

FINAL

**ENVIRONMENTAL CONDITION
OF PROPERTY REPORT**

**SSG R.F. WALTON
U.S. ARMY RESERVE CENTER (IL026)
1002 WEST LEININGER ROAD
FAIRFIELD, IL 62837**

Prepared For:

**U.S. Army Corps of Engineers – Louisville District
Engineering Division – Environmental Engineering Branch
600 Dr. Martin Luther King, Jr. Place
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FEBRUARY 2007

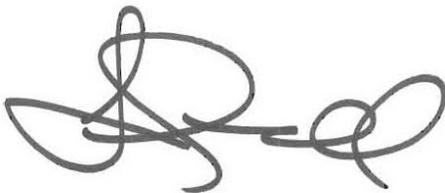
CERTIFICATION

All information/documentation provided accurately reflects the environmental condition of the property. This ECP Report is in general accordance with the U.S. Department of Defense (DoD) requirements for completion of an Environmental Condition of Property (ECP) Report.

DAVID L. MOORE
Chief, Environmental Division
88th Regional Readiness Command

DATE

The undersigned certifies the contents of this report are in general accordance with DoD policies for the completion of an ECP.



LENARD GUNNELL, P.G.
Project Geologist
U.S. Army Corps of Engineers

DATE

Executive Summary

CH2M HILL, under contract to the U.S. Army Corps of Engineers, Louisville District, prepared this Environmental Condition of Property (ECP) Report for the SSG R.F. Walton U.S. Army Reserve (USAR) Center (Facility ID IL026), hereafter referred to as the "Property" or "USAR Center." The Property is located in Wayne County, on the west side of the City of Fairfield, Illinois, at 1002 West Leininger Road, and encompasses approximately 5.16 acres.

This ECP Report was conducted in conformance with the Department of Defense's Base Redevelopment and Realignment Manual (BRRM), DoD 4165.77-M, Army Regulation 200-1, and the American Society for Testing and Materials (ASTM) Designation D6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*.

This ECP Report details the history of the property, including the U.S. Army Reserve and any prior tenant uses of the Property and the resulting environmental condition of the property.

The USAR Center is on approximately 5.16 acres of land with two permanent structures: a 4,478-square-foot Administration Building and a 1,330-square-foot Organizational Maintenance Shop (OMS) Building. The Property is currently occupied by USAR soldiers under the 88th Regional Readiness Command.

Based on a review of aerial photographs and U.S. Geological Survey topographical maps, land use at adjacent properties has changed over the years. USGS topographical maps and aerial photographs show a gradual increase of residential development to the north and west of the Property. Development to the east has been commercial and residential over time. In recent years some commercial properties have been developed to the south and southeast of the Property. Large tracts of farmland are located farther south and west of the Property. The Property has always served as a USAR Center since the U.S. Government acquired it in 1959. The Administration and OMS Buildings on the Property were constructed in 1960 and 1961, respectively.

Areas of potential environmental concern were reviewed and CH2M HILL found no specific findings relating to the release of hazardous substances, munitions and explosives of concern, or radioactive materials relating to the USAR use of the Property. However, an underground storage tank – formerly containing #2 fuel oil and 245 cubic yards of petroleum-impacted soil – was removed in 1993 and a no further remediation letter was issued by the Illinois Environmental Protection Agency in 1994 for the Property.

In accordance with Department of Defense policy defining the classifications (See Sherri Goodman Memorandum dated 21 October 1996), the Property has been classified as Type 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

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Abbreviations and Acronyms

ACM	asbestos-containing material
AMSA	Area Maintenance and Support Activity
AR	army regulation
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BRAC	Base Realignment and Closure
BRRM	Base Redevelopment and Realignment Manual
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CESQG	conditionally exempt small quantity generator
CFR	Code of Federal Regulations
CORRACTS	correction action
DoD	Department of Defense
ECP	environmental condition of property
EDR	Environmental Data Resources, Inc.
ERNS	Emergency Response Notification System
FEMA	Federal Emergency Management Agency
FESOP	Federally Enforceable State Operating Permit
IDNR	Illinois Department of Natural Resources
IEPA	Illinois Environmental Protection Agency
ITI	ITI of South Florida, Inc.
kg	kilogram
LBP	lead-based paint
LUST	leaking underground storage tank
MEC	munitions and explosives of concern
MEP	military equipment parking
msl	mean sea level
NFA	no further action

NFRAP	No Further Response Action Planned
NFR	no further remediation
NGVD	National Geodetic Vertical Datum
NPL	National Priorities List
NRHP	National Register of Historic Places
NRS	Natural Resources Survey
OMS	Organizational Maintenance Shop
OWS	oil/water separator
PCBs	polychlorinated biphenyls
pCi/L	picoCuries per liter of air
PID	photo ionization device
POL	petroleum, oil, and lubricant
POV	privately owned vehicle
RCRA	Resource Conservation and Recovery Act
RCRIS	RCRA Information System
RRC	Regional Readiness Command
SPCC	spill prevention, control, and countermeasure
SRI	Select Remediation, Inc.
STATSGO	State Soil Geographic Database
TSD	treatment, storage, or disposal
USACE	United States Army Corps of Engineers
USAR	United States Army Reserve
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
VWR	vehicle wash rack
WWES	WW Engineering & Science, Inc.

1 Introduction

CH2M HILL, under contract to the U.S. Army Corps of Engineers (USACE) Louisville District Engineering Division, was authorized to conduct an Environmental Condition of Property (ECP) report for the SSG R.F. Walton U.S. Army Reserve (USAR) Center (Facility ID IL026). The facility is located at 1002 West Leininger Road, Fairfield, Wayne County, Illinois, 62837, and is hereafter referred to as the "Property" or "USAR Center." CH2M HILL prepared this ECP report under contract number W912QR-04-D-0020, Task Order No. 0018, with the Louisville District USACE.

A visual nonintrusive reconnaissance of the Property was conducted on August 1, 2006, in support of the ECP. The reconnaissance purpose was to visually obtain information indicating the likelihood of recognized environmental conditions associated with the Property or adjacent properties.

In preparing this ECP report, CH2M HILL gathered information from the available records and previous work from others; interviews with individuals purporting to be familiar with the Property; and observations from a site reconnaissance. The accuracy of the information obtained from these sources was not verified by CH2M HILL. As such, CH2M HILL will make no warranty, expressed or implied, relative to the accuracy, completeness, or reliability of the information used to create the records and reports prepared by others.

1.1 Purpose of Environmental Condition of Property

The Military Department with real property accountability shall assess, determine, and document the environmental condition of all transferable property in an ECP Report. This ECP Report is based on reasonably available information. Pursuant to the Department of Defense (DoD) policy, set forth in the Base Redevelopment and Realignment Manual (BRRM) (DoD 4165.66-M, March 1, 2006) Section C8.3, the primary purposes of the ECP Report include the following:

- Provide the Army with information it may use to make disposal decisions.
- Provide the public with information relative to the environmental condition of the property.
- Assist in community planning for the reuse of Base Realignment and Closure (BRAC) property.
- Assist federal agencies during the property screening process.
- Provide information for prospective buyers.
- Assist prospective new owners in meeting the requirements under U.S. Environmental Protection Agency's (USEPA) "All Appropriate Inquiry" regulations.
- Provide information about completed remedial and corrective actions at the property.

- Assist in determining appropriate responsibilities, asset valuation, and liabilities with other parties to a transaction.

The ECP Report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR) Part 373, which require that a notice accompany contracts for the sale of, and deeds entered into, for the transfer of federal property on which any hazardous substance was stored, released, or disposed of. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 120(h) stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property for 1 year or more—specifically, quantities exceeding 1,000 kilograms (kg) or the reportable quantity, whichever is greater, of the substances specified in 40 CFR 302.4 or 1 kg of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the reportable quantity. Army Regulation (AR) 200-1 requires that the ECP Report address asbestos, lead-based paint (LBP), radon, and other substances potentially hazardous to human health.

This ECP Report used the American Society for Testing and materials (ASTM) Designation D6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*, the BRRM, CERCLA § 120, and AR 200-1.

1.2 Scope of Services

This ECP report covers the 5.16-acre USAR Center located at 1002 West Leininger Road, Fairfield, Illinois. The Property is bounded by West Leininger Road and residential development to the north, and 10th Avenue and an open field to the east. The Property is bounded by a residential area to the west and a recycling center and baseball fields to the south. All site maps, figures, and aerial photographs referenced herein are provided in Appendix A, while Appendix B contains the photographs taken during the August 1, 2006, site reconnaissance. Appendix C contains the Property warranty deeds and chain of title information, and lease or permit agreements if applicable. Relevant historical environmental documents and reports are provided in Appendix D, while Appendix E contains the Environmental Data Resources, Inc. (EDR) radius search reports commissioned for this effort.

This ECP report classifies the Property into one of seven DoD Environmental ECP categories as defined by the DoD policy defining the classifications (see Sherri Goodman Memorandum dated 21 October 1996). The property classification categories are as follows:

ECP Area Type 1— An area or parcel of real property where no release or disposal of hazardous substances or petroleum products or their derivatives has occurred (including no migration of these substances from adjacent properties).

- ECP Area Type 2— An area or parcel of real property where only the release or disposal of petroleum products or their derivatives has occurred.
- ECP Area Type 3— An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action.

- ECP Area Type 4 – An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred and all remedial actions necessary to protect human health and the environment have been taken.
- ECP Area Type 5 – An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred and removal or remedial actions, or both, are underway, but all required actions have not yet been taken.
- ECP Area Type 6 – An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but required response actions have not yet been initiated.
- ECP Area Type 7 – An area or parcel of real property that is unevaluated or requires additional evaluation.

2 Site Location and Physical Description

2.1 Site Location

The USAR Center is located in Wayne County, on the west side of the city of Fairfield, Illinois, at 1002 West Leininger Road. The 5.16-acre parcel is situated on a small side street (West Leininger Road) at the north boundary and is surrounded on other property boundaries by 10th Avenue to the east, residential to the west, and a recycling center (former trucking facility) and baseball fields to the south. Figure 1 in Appendix A shows a general site location map for the USAR Center.

2.2 Asset Information

Facility Name and Address:	SSG R.F. Walton U.S. Army Reserve Center 1002 West Leininger Road Fairfield, Illinois 62837
Property Owner:	U.S. Government
Date of Ownership:	May 6, 1959
Current Occupant:	88th Regional Readiness Command (RRC)
Zoning:	P, Public Use (USAR Center Property)
County, State:	Wayne, Illinois
U.S. Geological Survey (USGS) Quadrangle(s):	Fairfield, Burntprairie, Geff, Boyleston
Section/Township/Range:	Section 1, Township 2 South, Range 7 East
Latitude/longitude:	38° 22' 36.8" N; 88° 22' 23.9" W

Legal Description:

The USAR Center includes one parcel of land, described in the warranty deed as Tract A-101 and in the Historical Chain of Title Report as Assessor's Parcel number 22-50-042-011 (NETR-Real Estate Research & Information, 2006). A copy of the warranty deed and historical chain-of-title report, which includes an accurate legal description, is provided in Appendix C.

2.3 Physical Description

The USAR Center is located on a 5.16-acre parcel on the west side of Fairfield, Illinois. The Property is located on the USGS 7.5-minute Fairfield Quadrangle map, at an average elevation of 473 feet National Geodetic Vertical Datum (NGVD). The topography is

generally flat, with a gradual decrease in elevation running from the north toward the south, southeast, and southwest of the parcel.

The USAR Center contains two permanent structures and two parking lots. A site plan for the Property is provided as Figure 2 in Appendix A. Construction of the 4,478-square-foot Administration Building was completed in 1960 and the 1,330-square-foot Organizational Maintenance Shop (OMS) Building was completed in 1961. Both structures are on concrete foundations and consist of concrete block walls. The Administration Building's exterior walls are covered with a brick veneer. A military equipment parking (MEP) area and a privately owned vehicle (POV) parking area are also contained within the Property. Chain-link security fencing topped with barbed wire encloses approximately two-thirds of the Property including the MEP area and OMS Building.

Approximately one-sixth of the Property is covered by impervious surface features such as concrete parking areas, driveways, concrete walkways, and building footprints. The remaining land is grassed with a sparse population of trees and shrubs throughout the property.

The Administration Building is a one-story, rectangular-shaped structure. The building's interior consists of office space, classrooms, and storage. A floor plan showing the interior layout of the Administration Building is included as Figure 3 in Appendix A.

The OMS Building is a one-bay, one-story rectangular structure currently used for level one vehicle maintenance and storage. Several portable out buildings on the south side of the OMS Building and extending east of the OMS Building into the POV lot are used for storage of vehicle maintenance and drilling/training supplies.

During the 1970s, the U.S. Government made several land purchases from local landowners for the purpose of establishing easements associated with the USAR Center. The tracts of land included A-103 (0.044 acres), A-104 (0.044 acres), and A-105 (0.0060 acres).

2.4 Site Hydrology and Geology

The USAR Center and Fairfield are located within the Central Lowland Physiographic Province. The area is characterized by nearly level plains to gently rolling hills. Surface elevations range from 500 feet mean sea level (msl) to 380 feet msl in the Fairfield area.

Both Fairfield and the USAR Center are found on the USGS 7.5-minute Fairfield, Burntprairie, Geff, and Boyleston quadrangle maps. The EDR database reports the ground surface elevation at the Property to be 473 feet msl.

2.4.1 Surface Water Characteristics

Figure 5 in Appendix A provides a portion of the 1971 Fairfield, Illinois, USGS topographic map, which includes the Property. As shown, the Property is situated at an elevation of approximately 473 feet relative to msl and is relatively flat. In the immediate vicinity of the Property, the land surface is situated on a small rise that gently slopes from north to the south, east, and west.

Stormwater sheet flows across the site to storm drains located offsite on the perimeter of the Property. Stormwater flows across the site generally from the north to the south, southwest, and southeast. There is a small ditch running north to south parallel to 10th Avenue on the east side of the Property.

No surface water features are located in the immediate vicinity of the Property. The closest surface water features are streams located 1,500 feet west and south of the Property.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, Community Panel 1706800005C, the Property is not included in the 100-year floodplain elevation. Figure 13 in Appendix A provides a map depicting the extents of the nearest 100-year floodplain in relation to the Property.

2.4.2 Hydrogeological Characteristics

According to information acquired from the Soil Conservation Service's State Soil Geographic Database (STATSGO) for Wayne County, specific types of soil at the Property are from the Bluford Series. The Bluford Series does not meet the requirements for a hydric soil.

The surface soil is generally silty loam and silty clay loam. These soil types have slow infiltration rates with layers impeding the downward movement of water, and are characterized as soil with fine texture. In a typical profile, the surface layer is approximately 9 inches thick and is a silty loam. The subsoil is approximately 51 inches thick and ranges from a silty loam to a silty clay loam. The Illinois Geological Survey provided the description of a tract of land east of the Property as "Glacial drift in area is thin approximately 10-20 foot with no drift aquifers. Thin sandstone approximately 2-4 feet thick is encountered at this level. A clay layer of approximately 6 feet in thickness is encountered under this sandstone layer. At approximately 12-24 feet, a sandstone layer approximately 14 feet is encountered. From this depth to 150 feet below surface are layers of clay and shale. Shallow water wells are not productive in this area." Logs from wells installed in the 1940s in the vicinity of the Property show that clay layers may extend to depths of 20 feet below land surface.

Depth to groundwater at the Property is unknown.

2.5 Site Utilities

Water Service—The City of Fairfield (618-842-5016) provides potable water service to the Property.

Sanitary Sewer System—The City of Fairfield (618-842-5016) provides sanitary sewer service to the Property. The primary source of wastewater that is directed to the city sewer system includes nonprocess wastewater (such as bathrooms and sinks).

Gas and Electric—The City of Fairfield (618-842-5016) provides gas and electric service to the Property.

2.6 Water Supply Wells and Septic Systems

Based upon a review of available historical site and agency records and interviews with site personnel, neither a water-supply well nor a septic system is or was located at the Property. Potable water is supplied by the City of Fairfield.

A search of federal and state water well databases identified 16 water supply wells located within a 1-mile radius of the Property. One well (IL0054569) is located approximately 0.75 miles east of the Property, and is reported to be a potable water supply well for the Jasper General Baptist Church. The other 15 wells are reportedly used for farming or industrial purposes.

All but one of the reported wells are located topographically lower than the Property. Well IL10015970 is reportedly used for farming purposes and is located within 0.125 mile north-northeast of the Property. The well has a reported depth of 50 feet below land surface.

3 Site History

3.1 History of Ownership

Deeds and warranty deeds for the Property, which are included in the chain of title report in Appendix C, were available back to 1947. The report did not identify any leases or environmental liens against the Property.

According to historical documentation, the U.S. Government purchased the USAR Center in December 1959 from Mr. Joseph and Mrs. Thelma Witt.

A city directory (Polk's City Directory) was not provided by EDR for this ECP.

3.2 Past Uses and Operations

In 1959, the U.S. Government purchased the 5.16 acres of land for construction of the USAR Center. Construction of the Administration Building occurred in 1960 and the OMS Building was constructed in 1961. The Property has always served as a reserve and mobilization center for the USAR since the U.S. Government acquired the land and built the USAR Center in 1960.

The Property primarily functioned as an administrative, logistical, and educational facility, with limited maintenance of military vehicles occurring in the OMS Building. The Property was historically used by reservists for drill activities on various weekends throughout the year. Currently, USAR soldiers under the 88th RRC occupy the USAR Center, which provides a mobilization site, headquarters, office space, training site, and maintenance support. At the time of the site reconnaissance, the Administration Building contained various items, including desks, office furniture, and folding tables.

The OMS Building was (and is currently) used to perform limited maintenance activities on military equipment. Activities inside the OMS Building were limited to preventative maintenance checks, including checking vehicle fluids (such as motor oil, water, and antifreeze) and light maintenance activities. Any equipment requiring heavier maintenance activities was sent to an Area Maintenance Support Activity (AMSA) shop located at one of the other Reserve Centers in Illinois. Equipment requiring major overhaul was also sent offsite.

At the time of the August 1, 2006, site inspection, four military vehicles were parked in the gravel-based POV parking lot east of the OMS Building. A drip mat was placed underneath the engine of each vehicle. There was no sign of petroleum staining in the POV parking lot. A large extension-boom forklift was parked on the north side of the OMS Building on the asphalt patch where the former wash rack and oil/water separator (OWS) were located. The OMS Building contained equipment storage in cages at the rear of the building. Property personnel were in the process of cleaning and policing the OMS area. The floor of the OMS Building was being used for storage of training and drilling supplies stacked on pallets. Three flammable storage cabinets were stationed along the south wall of the OMS Building,

one of which contained four batteries being stored for disposal (see Photograph 1 in Appendix B). Six empty, 5-gallon fuel containers were next to the flammable storage cabinets. A 55-gallon drum used for used absorbents, five cases of motor oil, and two 5-gallon containers of antifreeze were observed along the north wall of the OMS Building (see Photographs 2 and 3 in Appendix B). Two portable outer buildings were located just south of the OMS Building. One portable storage building contained paints, transmission fluids, petroleum, oil, and lubricants (POLs), and vehicle parts (see Photograph 4 in Appendix B). The portable storage building next to it contained drums of used-oil and parts cleaner being stored for disposal by Safety-Kleen (see Photograph 5 in Appendix B). Several larger portable storage buildings were located in the POV lot and were being used for nonhazardous storage of drilling and training supplies. An oil-drain pan (see Photograph 6 in Appendix B) and three 55-gallon drums labeled "non-hazardous used oil sorbent" (see Photograph 7 in Appendix B) were observed in the POV lot. The facility manager said these items would be moved and stored in their proper locations.

Vehicle washing historically occurred near the OMS Building. A vehicle wash rack (VWR) with an OWS was formerly located on the north side of the OMS (see Photograph 8 in Appendix B). Rinse water flowed to a grit trap/drain located in the middle of the wash rack which flowed into an OWS located at the west end of the VWR. The OWS ultimately discharged to the municipal sanitary sewer. No storage tanks are associated with the OWS.

Historical aerial photographs and topographic maps were the primary source of information on the past use and operations at the Property. Figures 4, 5, 6, 7, and 8 in Appendix A provide USGS topographical maps of the Property and surrounding areas. Figures 9 and 10 in Appendix A provide aerial views of the Property and surrounding areas in 1977 and 1988.

The 1948 USGS topographical map (Figure 4, Appendix A) shows the Property and areas to the west and south as undeveloped. Residential development is visible north and east of the Property.

The 1970 and 1971 USGS topographical maps (Figures 5, 6, 7, and 8 in Appendix A) show residential development to the west and north of the Property. The USAR Center can be seen on the Fairfield Quadrangle map (Figure 5).

The Fairfield Police Chief made available an aerial photograph, dated spring 1961, which is now on display at City Hall. The photograph shows the Property with the Administration Building on it, but the OMS Building had not been constructed yet. Adjacent areas to the west, east, and south were fields being farmed and had not been developed. Large tracts of farmland are located to the south and west. Residential development is visible to the north, and residential and commercial development is visible to the east. The displayed 1961 aerial photograph (framed on the wall at City Hall) could not be reproduced for this ECP.

The 1977 aerial photograph (Figure 9, Appendix A) shows the Property with the Administration and OMS Buildings on it. Military vehicles are visible in the MEP area east of the OMS Building. Residential development is visible adjacent to the north and west of the Property boundaries. A trucking facility is visible adjacent to the south Property boundary. The field adjacent to the east Property boundary is a tract of farmland. Large tracts of farmland to the west and south remain undeveloped

The 1988 aerial photograph (Figure 10, Appendix A) shows the Property and adjacent properties relatively unchanged from the 1977 aerial photograph with the exception of softball fields visible to the south of the southern Property boundary. Additional commercial properties have been developed to the south and southeast of the Property.

3.3 Past Use, Storage, Disposal, and Release of Hazardous Substances

3.3.1 Past Use and Storage of Hazardous Substances

Information related to the past use and storage of hazardous substances at the Property was compiled through review of available site records, search of federal and state environmental databases, and interviews with Army Reserve personnel. Chemicals formerly used and stored at the Property were associated with vehicle and facility maintenance activities, and janitorial services. Janitorial chemicals and building maintenance-related products were stored in the designated storage area within the janitorial closet located in the Administration Building. Vehicle maintenance products and small amounts of POL products were also stored in designated areas within the OMS Building. Other potentially hazardous materials and POL products would have been stored in portable hazardous material storage buildings located south of the OMS Building within the MEP area.

3.3.2 Past Disposal and Release of Hazardous Substances

Information related to past disposal and potential release of hazardous substances at the Property was compiled through review of available site records, search of federal and state environmental databases, and interviews with Army Reserve personnel. Disposal of hazardous waste/hazardous materials had been accomplished through the Defense Reutilization and Marketing Office or an authorized vendor such as Safety-Kleen. No stained soil or stressed vegetation was observed during the August 2006 site reconnaissance. The concrete MEP and gravel POV parking areas showed no signs of staining. No noxious or foul odors were noted during the site reconnaissance.

3.4 Past Presence of Bulk Petroleum Storage Tanks

Based upon a review of available site records, a search of federal and state environmental databases, and interviews with Army Reserve personnel, one 2,000-gallon underground storage tank (UST) and one 550-gallon UST, both containing diesel (#2 fuel oil), were located at the Property, but they were removed in 1993. Removed from the 2,000-gallon UST excavation were 245 cubic yards of petroleum-impacted soils. It was determined there was no release from the 550-gallon UST (Select Remediation, Inc. [SRI], 1993). DMA Environmental addressed closure requirements including a P.E. certification required by the Illinois Environmental Protection Agency (IEPA) in a report dated April 7, 1994. In a letter dated April 15, 1994, the IEPA stated the above leaking UST (LUST) incident (#931972) will require no further remediation (NFR).

3.5 Review of Previous Environmental Reports

A review of site records produced several reports pertaining to the Property. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise specified, are provided in Appendix D.

3.5.1 1998 Oil/Water Separator Engineering Study (Evaluation Report)

Terracon, as a subcontractor to Harza Environmental Services, prepared an OWS evaluation report for various USAR sites under the 88th Regional Support Command, including the USAR Center. As part of the reporting process, Terracon was responsible for documenting and locating each OWS located at the USAR facilities. The report states that an OWS is located on the Property within the MEP area, on the north side of the OMS Building. A VWR is located adjacent to the OWS. The OWS system discharges into the sanitary sewer. No oil storage tank is associated with the OWS system. Terracon observed that the system was in generally sound condition. The following recommendations were made (Terracon, 1998):

- Implement a spill prevention, control, and countermeasure (SPCC) plan.
- Plug the four, small 0.5-inch holes in the sides of the OWS to prevent leakage.
- Implement procedures to monitor sediment and oil accumulations in the OWS and remove those accumulations as needed.

3.5.2 2003 Oil/Water Separator Closure Report

Jones Technology, Inc. prepared an OWS closure report for the Property, dated February 2003, documenting the removal of an OWS, VWR, and associated grit trap at the Property in April 2002. The structures were in good condition and there was no evidence of contamination based on visual observation, headspace screening of soils utilizing a photoionization detector (PID), and laboratory analysis of soil samples collected during removal activities (Jones Technology, Inc., 2003). Jones Technology, Inc. recommended no further action (NFA) for this site in its report (Jones Technology, Inc., 2003). Figure 11 in Appendix A shows the location of the former OWS and VWR.

3.5.3 1995 Title V Air Emissions Study Report

WW Engineering & Science, Inc. (WWES), assisting Environmental Protection Specialists at Fort McCoy, prepared air emission inventories for various USAR Center facilities located in the State of Illinois, including the USAR Center (WWES, 1995). An air emission inventory was necessary to determine whether the USAR Center was required to obtain either a Title V operating permit under the Illinois Clean Air Act Program or a Federally Enforceable State Operating Permit (FESOP). Additionally, the emission inventory was used to determine whether any state air permits were required. Based on the study, WWES determined that potential emissions at the USAR Center were below major source thresholds and therefore the USAR Center was not required to obtain either a Title V permit, a FESOP, or any state permits.

3.5.4 Environmental Compliance Assessment Reports

The USAR performed several internal surveys in 1996, 1997, 1998, and 2000, listing and evaluating areas on the Property where environmental concerns were apparent (USAR, 1996, 1997, 1998, and 2000).

3.5.5 Cultural Resources Report

A Section 110 cultural resources survey report for the Property was prepared for the 88th RRC by the Fort McCoy Archaeological Laboratory in November 1998-March 2000. The purpose of the survey and subsequent report was to inventory all properties controlled or leased by the 88th RRC in the State of Illinois. Historical information, setting and landscape, cultural resources, security, architectural information, and structure descriptions were included for each property. Each site was also assessed for its eligibility to the National Register of Historic Places (NRHP). No facilities at the USAR Center were eligible for listing on the NRHP (Fort McCoy Archaeological Laboratory, 2000).

3.5.6 2005 Environmental Survey Report: Asbestos, PCB, Lead-based Paint, and Radon Survey

ITI of South Florida, Inc. (ITI) prepared an Environmental Survey Report in April 2005, for the USAR Center (ITI, 2005). Potential types, quantities, locations, and conditions of asbestos, polychlorinated biphenyls (PCBs), LBP, and radon were examined in the report. Asbestos was presumed (not confirmed) to be present in the Administration and OMS Buildings on the Property. Confirmed LBP was found to be present in both the Administration and OMS Buildings. Light ballasts containing labels stating "No PCB's" were observed during the PCB survey in the Administration Building. Some ballasts did not contain labeling indicating the absence or presence of PCBs. The OMS Building had sodium light fixtures and no ballasts were found. Three pole-mounted transformers with numbers and labels that were too small to read from ground level (assumed to contain PCBs) were also observed at the Property. All measured radon levels were below the USEPA-recommended action level of 4 picoCuries per liter of air (pCi/L).

3.5.7 1993–1994 UST Closure Project Summary Report, Supplemental Information to Complete Closure Requirements, UST Removal Memorandums and IEPA NFR Letter

These reports and memorandums document the removal of two USTs and 245 cubic yards of petroleum-impacted soil at the Property, including a UST Closure Project Summary Report (SRI, 1993) and a Supplemental Information to Complete Closure Requirements Report (DMA Environmental, 1994). Documentation includes a letter from the IEPA requiring NFR at the Property related to the UST removals (IEPA, 1994).

3.5.8 2005 Natural Resources Survey Report

Parsons prepared a Natural Resources Survey (NRS) report, dated January 2005, for the Property identifying land use, geologic, water, and biological resources. The NRS reported no endangered or threatened species or wetlands identified on the Property.

4 Adjacent Properties

Adjacent property land uses are significant to the ECP process because current or past uses may have an environmental impact on the USAR Center. Adjacent properties were included in the EDR report review for this reason. Typically, adjacent properties within 0.25 mile of the USAR Center property boundaries are reviewed and visually surveyed. For the purposes of this ECP, the adjacent property reconnaissance was performed from the USAR Center property boundaries and from public access points. Historical aerial photographs and topographic maps are also reviewed for conditions or activities that may have had an environmental impact on the Property.

4.1 Land Uses

Land use in the vicinity of the USAR Center is as follows:

- To the south, industrial with a recycling center (formerly a trucking facility until 2001) and softball fields adjacent to the Property
- To the west and north, residential
- To the east, an open field that historically has been farmed and industrial development east of the field

Table 1 summarizes the current adjacent properties, their owners, and zoning.

TABLE 1
 List of Properties Adjacent to the USAR Center
SSG R.F. Walton USAR Center, Fairfield, Illinois

Name/Type of Property	Address	Distance and Direction from Property	Zoning
CDC Recycling Center	501 SW 10th Avenue Fairfield, IL 62837	Adjacent to south fence of the Property.	I, Industrial
Residential		Approx. 100 ft west	R-1, One Family Residences
Residential		Approx. 100 ft. north	R-2, One and Two Family Residences
Field		Approx. 100 ft. east	I, Industrial

4.2 Findings

The EDR database search results were reviewed for any evidence that adjacent properties may have past or present environmental issues that would impact the USAR Center and none were found.

Water well databases at the federal and state level were reviewed to identify any water supply sources near the Property. The databases identified 16 water-supply wells located within a 1-mile radius of the Property. One well (IL0054569) is located approximately 0.75 mile east of the Property, and is reportedly a potable water-supply well for the Jasper General Baptist Church. The other 15 wells are reportedly used for farming or industrial purposes. All but one of the wells are located topographically lower than the Property.

Land use at adjacent properties has changed gradually over the years, based on a review of available aerial photographs. In 1961, the property was part of a small residential community with farms and open fields to the west, with property to the south used for agricultural purposes. Development in the area began after that time period. The aerial photograph for 1977 shows residential growth to the west and the surrounding community. The 1988 aerial photograph indicated little change in the adjacent property land use with the exception of a few additional small, industrial/commercial developments to the south.

5 Review of Regulatory Information

An essential component of an ECP is the review of records and databases containing information on the Property and adjacent properties. The review includes reasonably obtainable federal, state, and local government records, and is intended to identify a release or likely release of any hazardous substance or any petroleum product that is likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product to the Property.

The majority of the regulatory information for this ECP was obtained from EDR on July 17, 2006. EDR provides a regulatory database summary that consolidates standard federal, state, local, and tribal environmental record sources based on ASTM-recommended minimum search distances from the Property.

All findings reported in Sections 5.1, 5.2, and 5.3 below are from the EDR report unless otherwise noted. A copy of the complete EDR report is included in Appendix E.

5.1 Federal Environmental Records

5.1.1 Federal National Priorities List Sites within 1 Mile

USEPA maintains a record of the nation's worst uncontrolled or abandoned hazardous waste sites, known as the National Priorities List (NPL). Sites on the NPL undergo long-term remedial action under CERCLA. The USAR Center is not an NPL site, nor are any such sites located within 1 mile of the Property.

5.1.2 Federal Comprehensive Environmental Response, Compensation and Liability Act Information Systems Sites within 0.5 Mile

The CERCLA Information System (CERCLIS) contains data on potentially hazardous waste sites that have been reported to USEPA by state, municipalities, private companies, and private persons, pursuant to Section 103 of the Act. CERCLIS contains sites that are either proposed to be or are on the NPL and sites that are in the screening and assessment phase for possible inclusion on the NPL.

The USAR Center is not a CERCLIS site. There is one CERCLIS-No Further Response Action Planned (NFRAP) site (AIRTEK Products – Archived Site, not on the NPL list) located within approximately 0.5 mile of the USRA Center. AIRTEK Products is located at 407 West Main Street and is topographically lower than the Property.

5.1.3 Resource Conservation and Recovery Act Corrective Action Sites within 1 Mile

Resource Conservation and Recovery Act (RCRA) corrective action (CORRACTS) sites represent facilities that have generated or managed hazardous wastes and require corrective action. The USAR Center is not a CORRACTS site. There is one such site (AIRTEK Products)

located within 1 mile of the USAR Center. AIRTEK Products is located at 407 West Main Street (approximately 0.5 mile from the USAR Center) and is topographically lower than the Property. EDR reported 10 violations at the site and the dates of compliance for the violations.

5.1.4 RCRA Transport, Storage, and/or Disposal Sites within 0.5 Mile

RCRA defines and regulates sites that generate, transport, or provide treatment, storage, or disposal (TSD) of hazardous wastes. The RCRA Information System (RCRIS) includes selective information on these sites.

The USAR Center is not a RCRIS-TSD site and there are no sites located with 0.5 mile of the USAR Center.

5.1.5 Federal RCRA Small and Large Quantity Generators List within 0.25 Mile

Conditionally exempt small quantity generators (CESQG) are defined as facilities generating less than 100 kg of hazardous waste and less than 1 kg of acutely hazardous waste per month. RCRA small quantity generators are defined as facilities generating between 100 kg and 1,000 kg of hazardous waste and less than 1 kg of acute hazardous waste per month. A facility generating more than 1,000 kg of hazardous waste or over 1 kg of acutely hazardous waste per month is defined as a large quantity generator.

The USAR Center is listed as a RCRA-registered CESQG. No RCRA violations are associated with the USAR Center.

No small or large quantity generators are located within 0.25 mile of the USAR Center.

5.1.6 Federal Emergency Response Notification System List

The Emergency Response Notification System (ERNS) List maintains information on reported releases of oil and hazardous substances. The USAR Center is not on this notification list.

5.2 State and Local Environmental Records

Most of the information presented in this subsection was obtained from the EDR report. Additional information was also obtained from online database searches of the State of Illinois's Web site. Occasionally state and local agency personnel were interviewed by telephone to answer questions about any database issues.

5.2.1 State Lists of Hazardous Waste Sites within 1 Mile

The USAR Center is not on the state list of hazardous waste sites.

No adjacent properties within 1 mile of the USAR Center were listed as having a hazardous waste site.

5.2.2 State-Registered Landfills or Solid Waste Disposal Sites within 0.5 Mile

The USAR Center does not have a solid waste landfill, incinerator, or transfer station within the Property boundaries.

No properties within 0.5 mile of the Center have a solid waste landfill, incinerator, or transfer station.

5.2.3 State-Registered Leaking UST Sites within 0.5 Mile

In addition to information obtained from the EDR report, the IEPA maintains a comprehensive database of LUST sites. The USAR Center is listed in the state LUST database as discussed in Section 3.4. Two USTs and 245 cubic yards of petroleum-impacted soil from one of the UST excavations were removed in 1993 and a status of NFR required for the USAR Center was issued to the Army by the IEPA in a letter dated January 17, 1994.

No properties within 0.5 mile of the USAR Center are listed on the State LUST database.

5.2.4 State-Registered UST Sites within 0.5 Mile

In a review of the EDR report and the Illinois State Fire Marshal's database, three UST sites were identified within 0.5 mile of the USAR Center. Table 2 lists the sites along with the tank(s) status. The Property itself (two USTs removed) was listed in the state UST database.

Two 5,000-gallon USTs were reported to be located at Fairfield Memorial Hospital. Contents of the tanks were not reported and the status of both USTs is reported to be exempt.

One 2,056-gallon UST was reported to be located at AIRTEK Products. Contents of the tank are reported to be used oil and its status is exempt from registration.

One 560-gallon UST was reported to be located at CHEM PRO. Contents of the tank are reported to be gasoline and its status is exempt from registration.

Based upon EDR records, none of the three properties are considered to present an environmental risk to the USAR Center. Additionally, two of the properties are located topographically lower than the USAR Center and the third is located at the same elevation, but northwest of the USAR Center.

TABLE 2
 Nearby Underground Storage Tank Sites
SSG R.F. Walton USAR Center, Fairfield, Illinois

Company/Site	Address	Distance and Direction from Property	Tank Status	Closure Status	Elevation Relative to Property
Fairfield Memorial Hospital	303 NW 11th St. Fairfield, IL 62837	Approx. 407 ft northwest	2 Tanks-Status not reported. No violations or enforcement reported.		Same
AIRTEK Products	Leininger Rd. and W 8th St. Fairfield, IL 62837	Approx. 885 ft. east	1 Tank-Status not reported. No violations or enforcement reported.		Lower
CHEMPRO	1100 Block of W Main St. Fairfield, IL 62837	Approx. 1100 ft. north-northwest	1 Tank-Status not reported. No violations or enforcement reported.		Lower

5.2.5 Records of Contaminated Public Wells

The City of Fairfield does not own or operate any municipal water supply wells within 0.5 mile of the USAR Center.

5.2.6 Voluntary Remediation Program Sites within 0.5 Mile

The USAR Center is not listed in Illinois' Brownfields Program (the successor to the Voluntary Cleanup Program). No sites located within 0.5 mile of the USAR Center are listed as being in the Brownfields Program.

5.2.7 State Registered Bulk Fertilizer and Pesticide Storage Facilities within 0.25 Mile

The USAR Center is not registered with the state as a bulk fertilizer and pesticide storage facility. Additionally, no adjacent properties within 0.25 mile were registered as one of these facilities.

5.3 Unmapped Sites

Some sites within the databases EDR searches have the same zip code as the USAR Center, but no street address. These sites, known as unmapped or orphan sites, can not be mapped from the EDR results alone. Additional efforts described herein were made to locate these sites and assess their environmental importance to the USAR Center.

Using local telephone books and the mapping utility provided at maps.google.com, some of the locations of the orphan sites were identified and mapped. None of the orphan sites identified are located within the corresponding ASTM D6008 recommended minimum search distance.

5.4 Summary of Properties Evaluated to Determine Risk to the Property

To summarize Subsections 5.1 through 5.3, four separate properties, near or adjacent to the USAR Center, were evaluated as potential risk properties to the Property. These adjacent properties evaluated were identified as a result of information obtained during area reconnaissance, interviews, and regulatory database searches, and are summarized below in Table 3.

Based on an evaluation of available site information and details concerning the properties listed in Table 3, none of the facilities evaluated exhibit significant environmental conditions that have the probability of adversely affecting the environmental conditions at another site.

TABLE 3
 Properties Evaluated for Potential Environmental Risks
SSG R.F. Walton USAR Center, Fairfield, Illinois

Company/Site	Database	Elevation Relative to Property?	Potential Impact on the Property?	Comments
AIRTEK Products	CERCLIS-NFRAP, CORRACTS, TRIS, RCRA-LQG	Lower	No	Archived site. Located approximately ½-mile northeast of the Property and topographically down gradient.
Fairfield Memorial Hospital	UST	Same	No	Located approximately 407 feet northwest of Property. No enforcement or violations reported.
AIRTEK Products	UST	Lower	No	Located approximately 885 feet east and topographically down gradient from the Property. No enforcement or violations reported.
CHEM PRO	UST	Lower	No	Located approximately 1100 feet north-northwest and topographically down gradient from the Property. No enforcement or violations reported.

6 Site Investigation and Review of Hazards

Findings documented in the following subsections are based on the August 1, 2006, site reconnaissance, a review of available site records, and information obtained from USAR personnel.

6.1 USTs/Aboveground Storage Tanks

Two fuel oil USTs associated with the USAR Center were removed in 1993, and an UST Closure Project Summary Report from Select Remediation, Inc. was submitted to the IEPA. Removed from the 2,000-gallon UST excavation were 245 cubic yards of petroleum-impacted soil. It was determined that there was no release from the 550-gallon UST (SRI, 1993). DMA Environmental addressed closure requirements including a P.E. certification required by the IEPA in a report dated April 7, 1994. The IEPA, in a letter dated April 15, 1994, stated the above LUST incident (#931972) would require NFR.

6.2 Inventory of Chemicals/Hazardous Substances

Records pertaining to hazardous substances including hazardous materials, chemical bulk storage, petroleum products, hazardous waste, and petroleum waste were reviewed in addition to interviews and the site reconnaissance to develop the inventory for the Property. Information related to the past use and storage of hazardous substances at the Property was compiled through review of available site records, search of federal and state environmental databases, and interviews with USAR personnel. Available records indicate that chemicals formerly used and stored at the Property were associated with vehicle and facility maintenance activities, and janitorial services. Janitorial chemicals and building maintenance-related products are stored in the designated storage area within the janitorial closet located in the Administration Building. Vehicle maintenance products and small amounts of POL products were also stored within designated areas within the OMS Building. Other potentially hazardous materials and POL products would have been stored in the outdoor hazardous material storage shed located south of the OMS Building within the MEP area.

Certain types of chemical products used and stored at the Property would have contained CERCLA hazardous substances and would have been stored on a rotational basis in amounts necessary to support the unit through direct support level maintenance. However, there is no indication that CERCLA hazardous substances were stored at the Property for 1 year or more in excess of corresponding reportable quantities.

Available records indicate that hazardous materials and/or POLs had been stored at the Property. These materials include batteries, acids, adhesives, paints, solvents (parts degreaser), and lubricating oils.

Pesticides are applied at the Property by a licensed applicator.

6.3 Waste Disposal Sites

Available records and interviews did not indicate the practice of onsite waste disposal other than through managed storage and offsite disposal. No waste disposal sites were observed during the site reconnaissance, nor were any signs of past onsite waste disposal (such as stressed vegetation or suspicious depressions in the landscape) observed.

6.4 Pits, Sumps, Drywells, and Catch Basins

An OWS was present outside the OMS Building at one time. The OWS was installed in 1962 just after the OMS Building was constructed. The unit consisted of a 5-foot-long by 3-foot-wide by 4-foot-deep OWS, with associated piping that discharged into the sanitary sewer. The OWS was located in the middle of a VWR located on the north side of the OMS Building. The OWS and VWR were removed in 2002. There was no evidence of contamination based on visual observation and confirmed by laboratory analysis of soil samples collected during removal activities (Jones Technology, Inc., 2003).

6.5 Asbestos-containing Material

Based on an asbestos-containing material (ACM) survey performed by ITI in a report dated April 15, 2005, ITI concluded that there was no confirmed asbestos at the Property, and presumed there was asbestos in a folding room divider (in the Administration Building), damping cloths, roofing materials, fire doors (all in good condition), and electrical wiring at the Administration and OMS Buildings (ITI, 2005).

While reviewing a file containing miscellaneous paperwork on asbestos abatement activities at another USAR Center (SFC E.L. Copple USAR Center in Centralia, Illinois), a limited amount of documentation regarding the SSG R.F. Walton USAR Center was found; primarily a 1989 bid schedule, modification of contract, and summary of work forms. The summary of work and bid schedule forms appear to have been intended to request cost estimates for removing and disposing of approximately 3,000 square feet of vinyl asbestos floor tile, removing and disposing of asbestos materials, and subsequently re-insulating the piping and joints. There was no reasonably available documentation identified stating that the asbestos abatement activities envisioned in these documents actually occurred at the USAR Center.

6.6 PCB-containing Equipment

Based on a PCB survey performed by ITI in a report dated April 15, 2005, ITI found three transformers mounted on a pole at the far left edge of the Property. The transformers had no numbers, but had blue labels that could not be read from the ground. Therefore, the transformers were assumed to contain PCBs.

In the same report, ITI indicated that some of the light ballasts in the Administration Building may contain PCBs (ITI, 2005). The lights in the OMS Building were sodium, nonballast fixtures. The ballasts currently present at the Property appear to be in good condition and no leaking dielectric fluid was observed during the site inspection. As such,

they are in compliance with federal and state regulations and have not negatively impacted environmental conditions at the Property.

In a letter dated January 19, 1999, the City of Fairfield identified itself as the owner of the three transformers located on the USAR Center. The letter stated the three transformers are labeled "Non-PCB." A copy of the letter is provided in Appendix D.

6.7 Lead-based Paint

Based on a LBP survey performed by ITI in a report dated April 15, 2005, ITI concluded there was LBP in the fascia, gutter, soffit (all in fair condition), tiles (good condition) at the Administration Building, and in the exterior door casings (fair condition) of the OMS Building (ITI, 2005).

6.8 Radon

Based on a radon survey performed by ITI in a report dated April 15, 2005, ITI concluded that no sampling locations exhibited radon levels above the USEPA-recommended maximum allowable exposure level of 4 pCi/L.

6.9 Munitions and Explosives of Concern

Based on a review of available records, the site reconnaissance, and interviews with USAR Center personnel, there are no indications that munitions and explosives of concern (MEC) are or were present at the Property.

6.10 Radioactive Materials

Based on a review of available records, the site reconnaissance, and interviews with USAR Center personnel, there is no indication that radioactive materials were stored or used at the USAR Center.

7 Review of Special Resources

7.1 Land Use

The City of Fairfield's Planning and Zoning Department has designated this Property as P-Public Use. Properties to the north are designated as R2-One and Two Family Residential. Properties to the west are designated R1-One Family Residential. Properties to the east and south are designated I-Industrial. The site is located in a mixed-used area that combines commercial and residential land uses.

7.2 Coastal Zone Management

The Illinois Department of Natural Resources (IDNR) is the lead agency for the Illinois Coastal Management Program. This Property is not included in the coastal zone management program, nor is it in a coastal zone.

7.3 Wetlands

According to the NRS (January 2005) and the U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory map, no jurisdictional wetland areas are identified on the Property or on adjacent properties. The nearest surface water bodies are two streams located 1,500 feet west and south of the Property. The nearest wetland is located approximately 2,700 feet west of the Property and is classified as a freshwater pond. Figure 12 in Appendix A provides a map of wetlands in the immediate vicinity of the Property.

7.4 100-year Floodplain

A review of the FEMA digital Flood Hazard Area map indicates that the Property lies outside the 100-year floodplain. Figure 13 in Appendix A provides a map of the 100-year floodplain elevations located in the immediate vicinity of the Property.

The NRS (January 2005) did not identify the Property as being located within a 100-year floodplain. The NRS reported the closest 100-year floodplain was located over 6,000 feet east of the site.

7.5 Natural Resources

The NRS (January 2005) did not identify any endangered or threatened species (plant or animal) on or in the immediate vicinity of the Property

7.6 Cultural Resources

A Section 110 cultural resources survey report for the Property was prepared for the 88th RRC by the Fort McCoy Archaeological Laboratory in November 1998–March 2000. The purpose of the survey and subsequent report was to inventory all properties controlled or leased by the 88th RRC in the State of Illinois. Historical information, setting and landscape, cultural resources, security, architectural information, and structure descriptions are included for each property. Each site was also assessed for its eligibility to the NRHP. Overall, neither of the buildings at the Property was found to meet the criteria for inclusion in the NRHP. Appendix D provides a copy of the Section 110 survey report.

8 Conclusions

The following information was obtained after conducting an environmental record search including records for adjacent properties, reviewing available historical information, conducting interviews with knowledgeable parties connected with the Property or with state and local agencies, and conducting a reconnaissance of the Property and adjacent properties.

8.1 Review of Findings

Hazardous Substances. CERCLA hazardous substances are used and stored at the Property in amounts necessary to support unit-level vehicle and building maintenance activities. However, available information indicates that the quantities stored would not have exceeded corresponding CERCLA threshold planning quantities. There is no evidence that the chemicals used or stored were released or disposed of at the Property.

USTs/Aboveground Storage Tanks (AST). Available records do not indicate any ASTs currently or formerly located at the Property. Two USTs containing fuel oil were located at the Property and removed in 1993. In addition 245 cubic yards of petroleum-impacted soil were removed and properly disposed of from one of the UST excavations. An UST Closure Project Summary Report from Select Remediation, Inc. was submitted to the IEPA. The IEPA, in a letter dated April 15, 1994, stated the above LUST incident (#931972) will not require any further remediation and is closed

Non-UST/AST Petroleum Storage. Used-oil, POLs, and other petroleum-based materials necessary to support level one vehicle maintenance on the Property were stored in containers and cabinets/buildings designed for that purpose.

ACM. Based on an ACM survey performed by ITI and documented in a report dated April 15, 2005, ITI concluded there was no confirmed asbestos at the Property, and presumed there was asbestos in a curtain room divider (in the Administration Building), damping cloths, roofing materials, fire doors (all in good condition), and electrical wiring at the Administration and OMS Buildings.

Based on the findings of the ACM survey, an imminent ACM hazard was not present at the USAR Center during its site investigation (ITI, 2005).

PCBs. Based on a PCB survey performed by ITI in a report dated April 15, 2005, ITI found three transformers mounted on a pole at the far left edge of the Property. The transformers had no numbers, but had blue labels that could not be read from the ground. Therefore, the transformers were assumed to contain PCBs.

In the same report, ITI indicated that some of the light ballasts in the Administration Building may contain PCBs. ITI also reported that the lights in the OMS Building were sodium, nonballast fixtures. The ballasts currently present at the Property appear to be in good condition and no leaking dielectric fluid was observed during the site inspection. As

such, they are in compliance with federal and state regulations and have not negatively impacted environmental conditions at the Property. Based on the findings of the PCB survey, an imminent PCB hazard was not present at the USAR Center during their site investigation (ITI, 2005).

The City of Fairfield identified itself as the owners of the three transformers located on the USAR Center. The City of Fairfield conducted an inventory on the transformers in 1999 and stated in a letter, dated January 19, 1999, the three transformers were labeled "Non-PCB."

LBPs. Based on an LBP survey performed by ITI in a report dated April 15, 2005, ITI concluded there was LBP in the fascia, gutter, soffit (all in fair condition), tiles (good condition) at the Administration Building, and in the exterior door casings (fair condition) of the OMS Building. Based on the findings of the LBP survey, an imminent LBP hazard was not present at the USAR Center during its site investigation (ITI, 2005).

Radiological Materials. Based on available records review, interviews, and a site reconnaissance, there is no evidence of any radiological materials storage or releases at the Property.

Radon. Based on an LBP survey performed by ITI and documented in a report dated April 15, 2005, ITI concluded that no sampling locations exhibited radon levels above the USEPA-recommended maximum allowable exposure level of 4 pCi/L.

MEC. Available records do not indicate any MEC currently or formerly located at the Property. No evidence of MEC was observed during the 2006 site reconnaissance.

Surrounding Properties. Potential environmental sites of concern, located within the ASTM D6008 recommended minimum search distances from the Property, were evaluated through database review and site reconnaissance. None of the adjacent properties evaluated exhibited environmental conditions that had or have the potential to adversely affect environmental conditions at the Property.

Wetlands and Floodplain. According to the NRS (January 2005) and USFWS National Wetlands Inventory map, no jurisdictional wetland areas are identified on the Property or on adjacent properties. The nearest surface water bodies are two streams located 1,500 feet west and south of the Property. The nearest wetland is located approximately 2,700 feet west of the Property and is classified as a freshwater pond. Figure 12 in Appendix A provides a map of wetlands in the immediate vicinity of the Property. The NRS (January 2005) did not identify the Property as being located within a 100-year floodplain. The NRS reported the closest 100-year floodplain located over 6,000 feet east of the site.

Threatened and Endangered Species. The NRS (January 2005) did not identify any threatened or endangered plant or animal species on the Property.

Archaeological and Historical Resources. The Section 110 cultural resources survey concluded that no facilities at the USAR Center were eligible for listing on the NRHP (Fort McCoy Archaeological Laboratory, 2000).

8.2 ECP Category

Findings of this ECP report were based on reasonably available environmental information, interviews with site and state and local personnel, and review of previous environmental studies and federal and state database and file information related to the storage, release, treatment, or disposal of hazardous substances or petroleum products. Results also were based on visual observations of the Property and adjacent properties.

In accordance with DoD policy defining the classifications (see Sherri Goodman Memorandum dated 21 October 1996), the Property has been classified into one of seven property types. Based on the results of this ECP study, the property has been assigned an overall DoD Environmental Condition Type 2. The property type is based on the following major findings.

8.3 Major Findings

- A 2,000-gallon UST formerly containing #2 fuel oil and 245 cubic yards of petroleum-impacted soil adjacent to the Administration Building were removed in 1993 (LUST Incident 931972). The IEPA, in a letter dated April 15, 1994, granted a NFR for the above LUST incident.

9 References

Persons Contacted

- Mr. Justin Hodges, SSG R.F. Walton USARC, Facility Manager, (618-842-2101), August 1, 2006
- Mr. Tony Bridges, JMWA Contractor, Illinois State Environmental Manager – Support 88th RRC, (612-290-0946), August 1, 2006
- Ms. Lisa Gulbranson, JMWA Contractor, 88th Regional Readiness Command, Environmental Planner, (612- 713-3752), July 24, 2006
- Mr. William B. Winter, Chief of Fairfield Police Department, (618-842-2153), August 1, August 31, and September 1, 2006

Resources Consulted

- Aerial Photographs provided by Illinois Department of Transportation dated 1977 and 1988
- USGS 7.5 Minute Topographic Maps, Fairfield, Burntprairie, Geff, Boyleston, Illinois
- USEPA Map of Radon Zones, <http://www.epa.gov/radon/zonemap.html>
- Illinois Coastal Management Program
- Illinois State Geological Survey
- FEMA Flood Hazard Insurance Map, <http://msc.fema.gov/webapp/wcs/stores/servlet/FemaWelcomeView>
- U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory Maps
- Federal Regulatory Databases
- State and Local Regulatory Databases
 - Office of the Illinois State Fire Marshall, Division of Petroleum and Chemical Safety, August 28 and August 31, 2006
 - Illinois Environmental Protection Agency, Division of Land Pollution Control, August 18 and August 28, 2006

Agencies Contacted

- City of Fairfield, Illinois
- Illinois Department of Transportation, Office of Surveys and Photo Engineering, Springfield, Illinois
- Illinois Environmental Protection Agency (IEPA), Springfield, Illinois

Works Cited

DMA Environmental. 1994. Supplemental Information (Responses to IEPA's Comments) to Complete Closure Requirements for LUST Incident #931972.

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Goodman, Sherri. 1996. Memorandum. October 21.

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Select Remediation, Inc. 1993. *Underground Storage Tank Closure Project Summary Report*.

Terracon. 1998. *Oil/Water Separator Engineering Study, 1001 DeYoung Street, Marion Illinois (IL058)*.

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WW Engineering & Science, Inc (WWES). 1995. Title V Determinations, Illinois USARC Facilities.

Appendix A
Figures

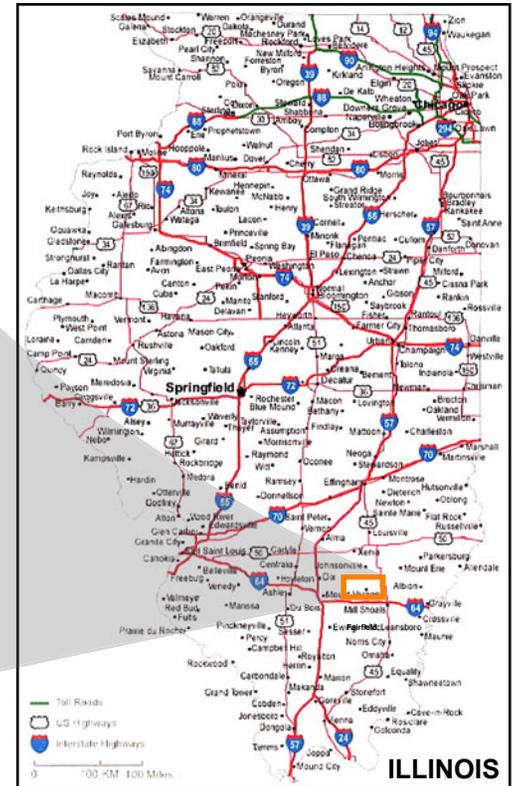
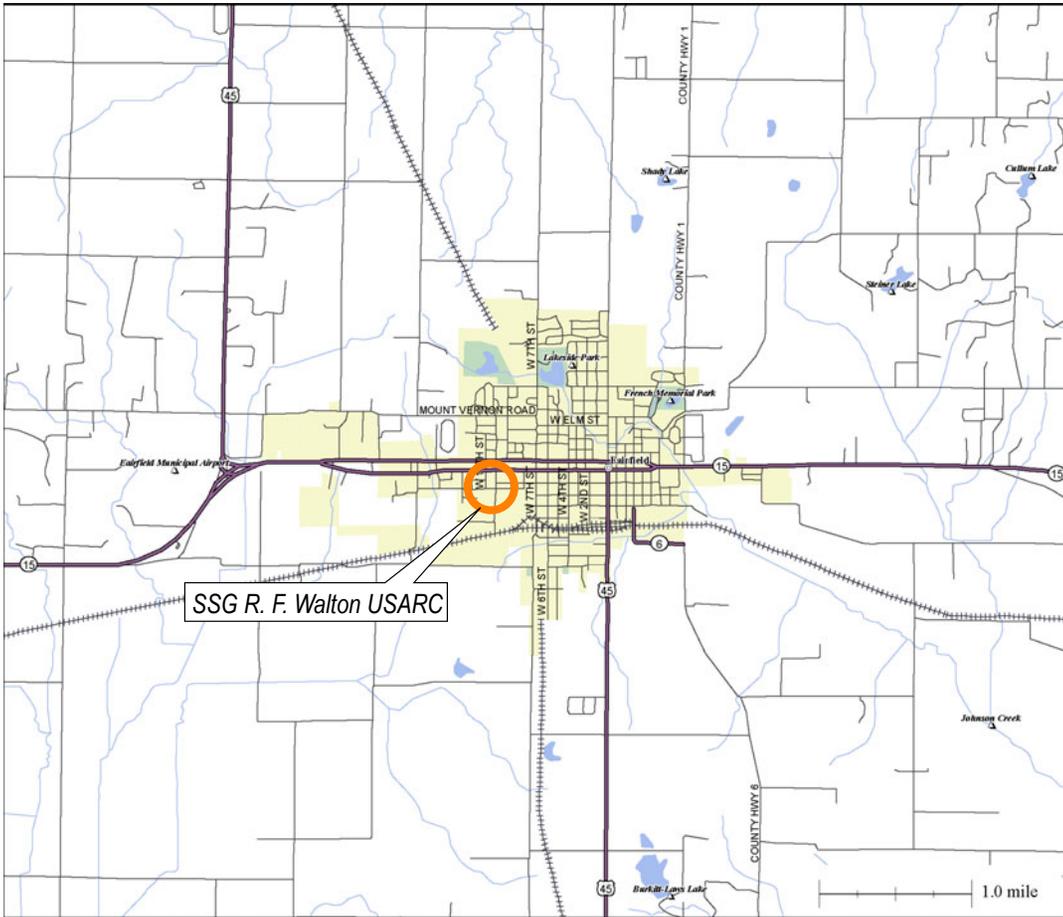
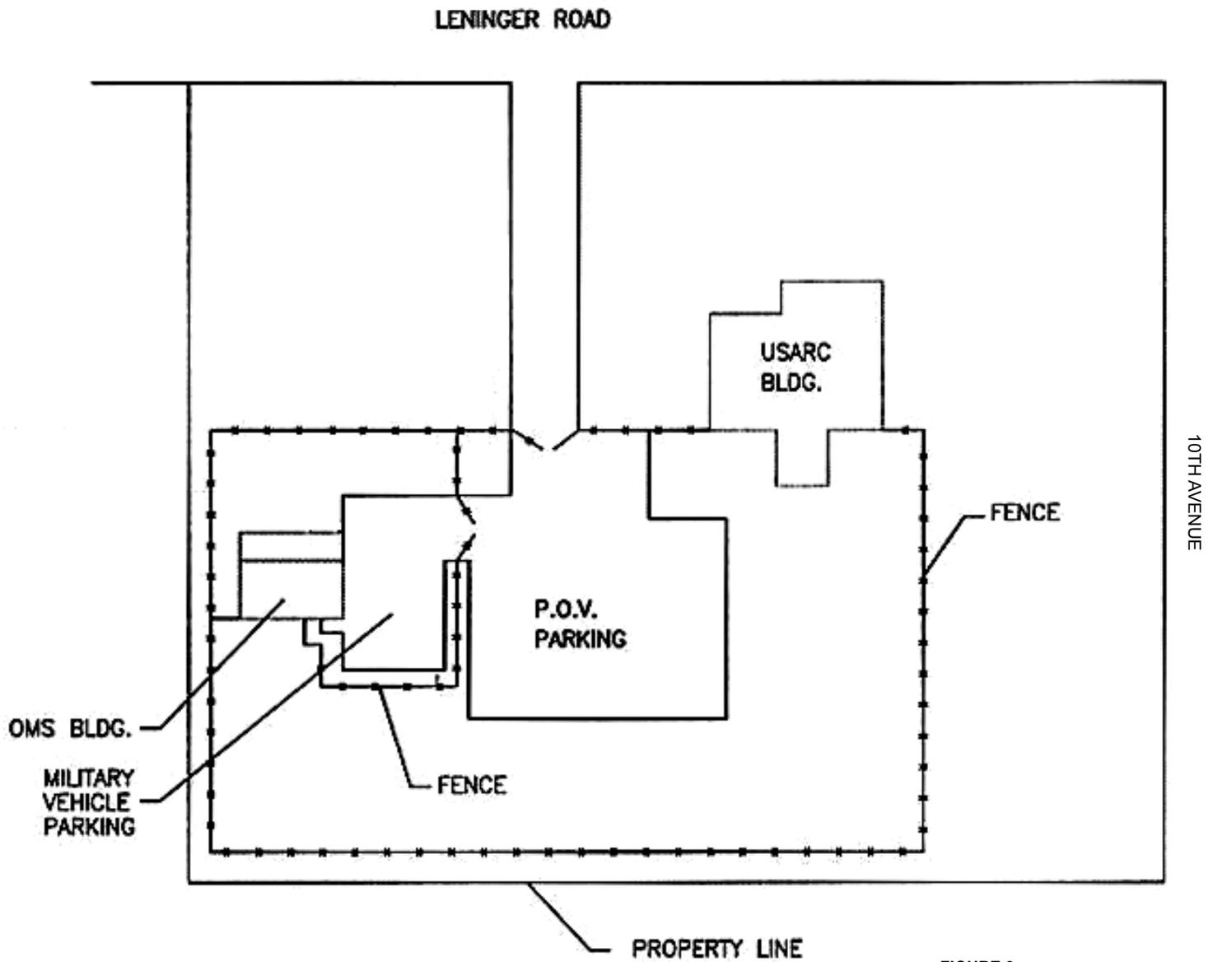


FIGURE 1
 SSG R.F. Walton USARC
 Site Location Map
 Phase I ECP Report



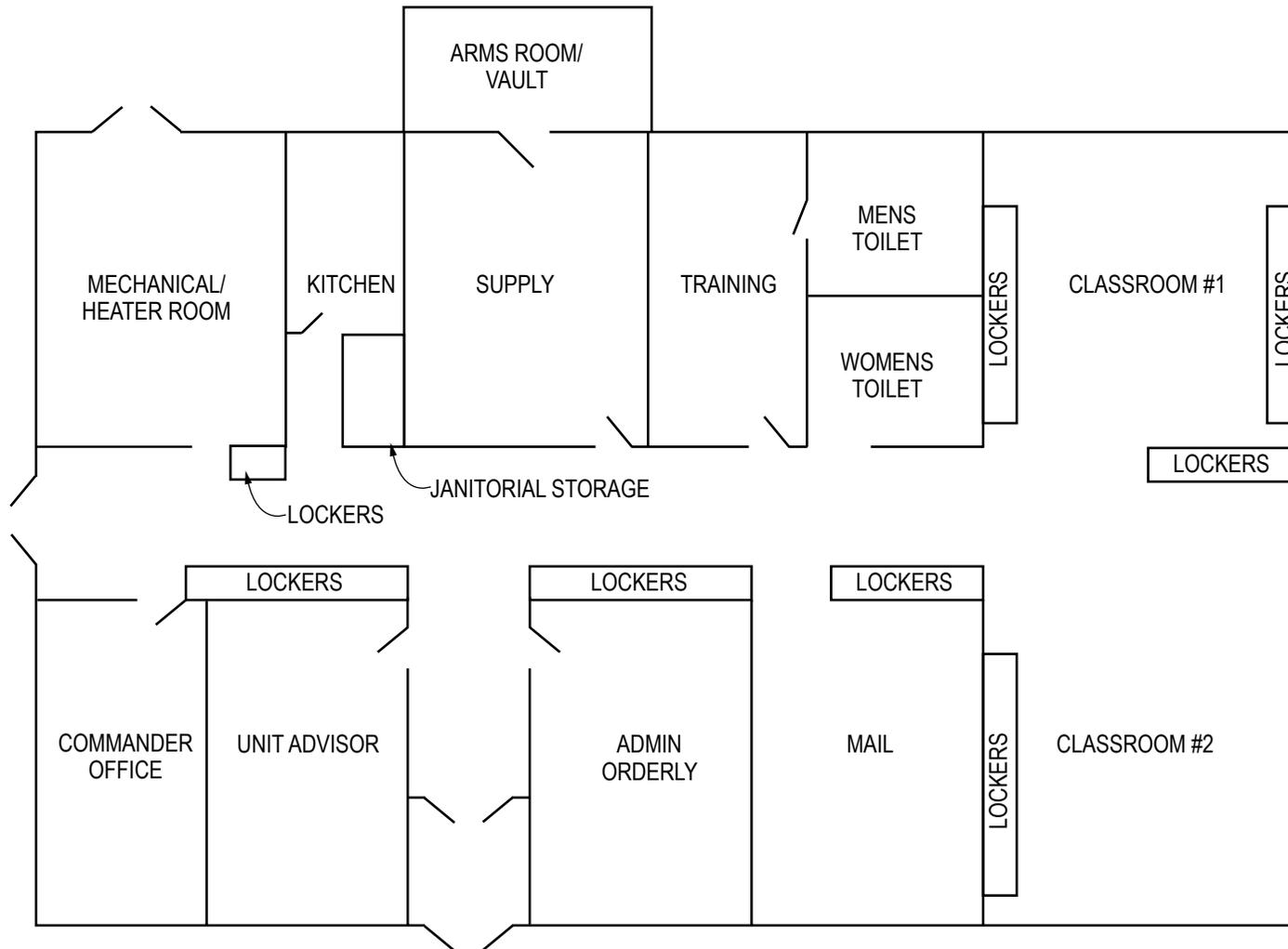


North

NOT TO SCALE

PROPERTY LINE AND FENCE EXTEND FARTHER SOUTH

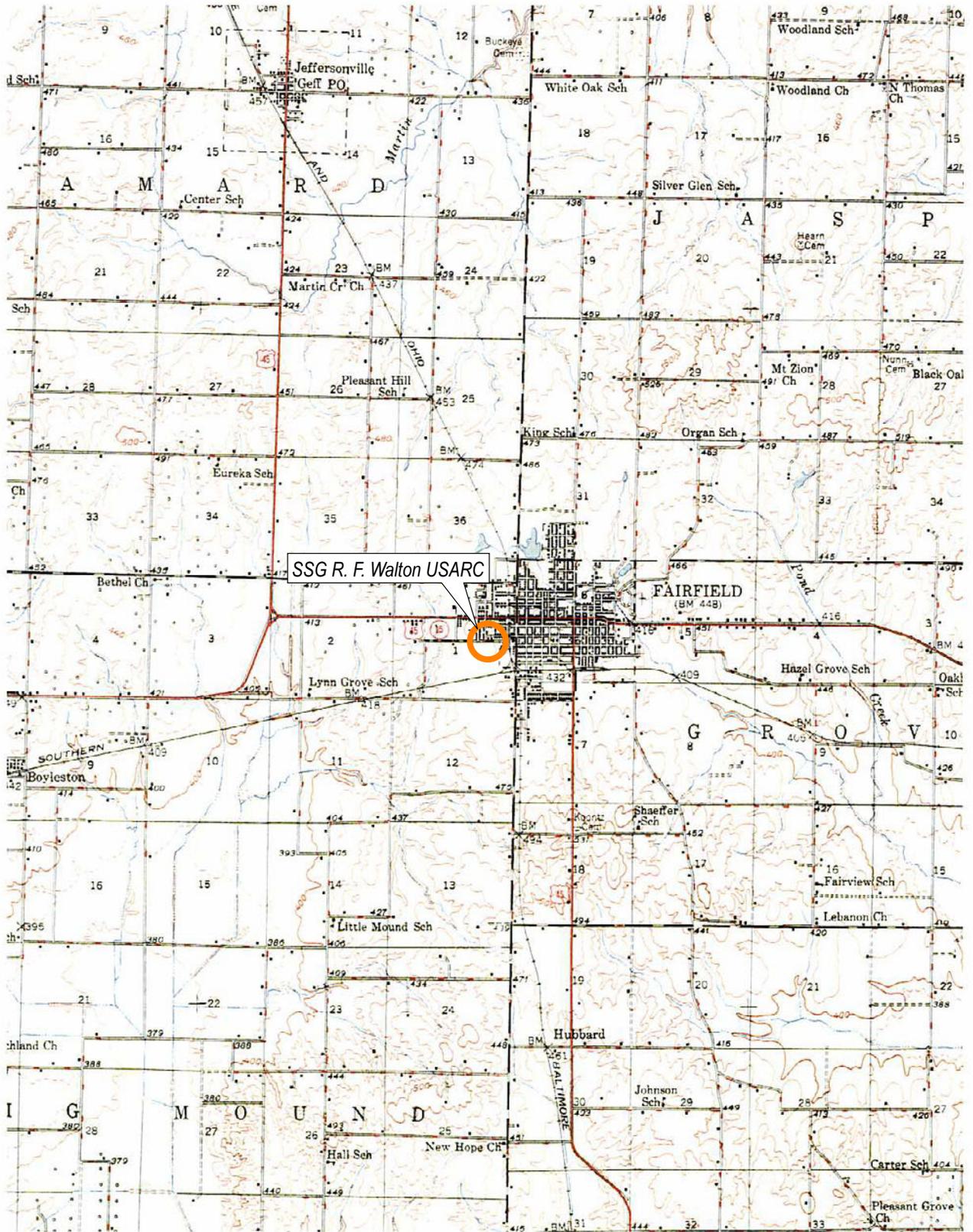
FIGURE 2
SSG R.F. Walton USAR Center
Site Layout
Phase I ECP Report



North

NOT TO SCALE

FIGURE 3
 SSG R.F. Walton USAR Center
 Administration Building Floor Plan
 Phase I ECP Report



NAD EDR INQUIRY# 1714247.94 TARGET QUAD: FAIRFIELD YEAR: 1948 Series: 15' Scale: 1:62,500

FIGURE 4
 SSG R.F. Walton USARC
 1948 USGS 15-Minute Topography Map
 Phase I ECP Report



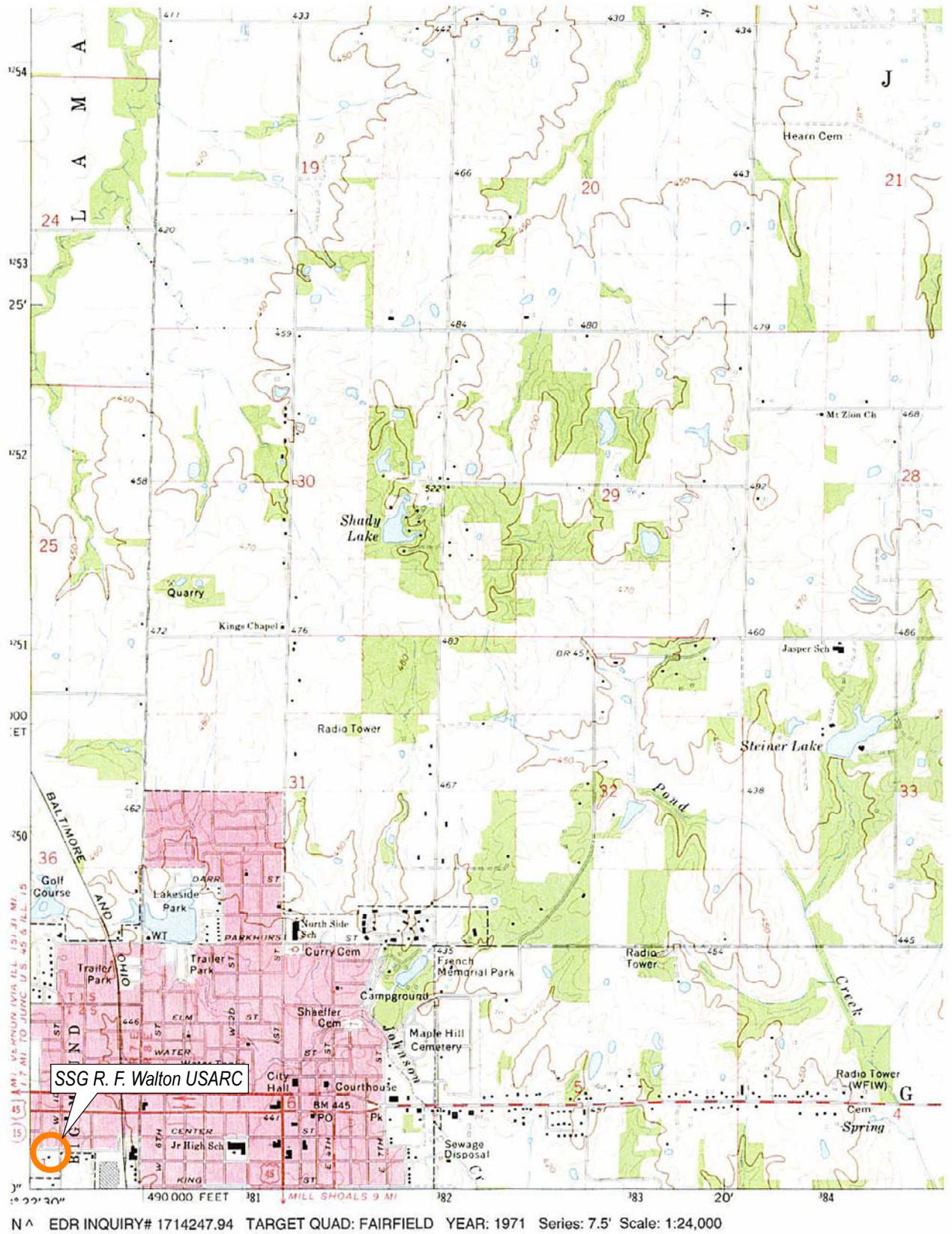
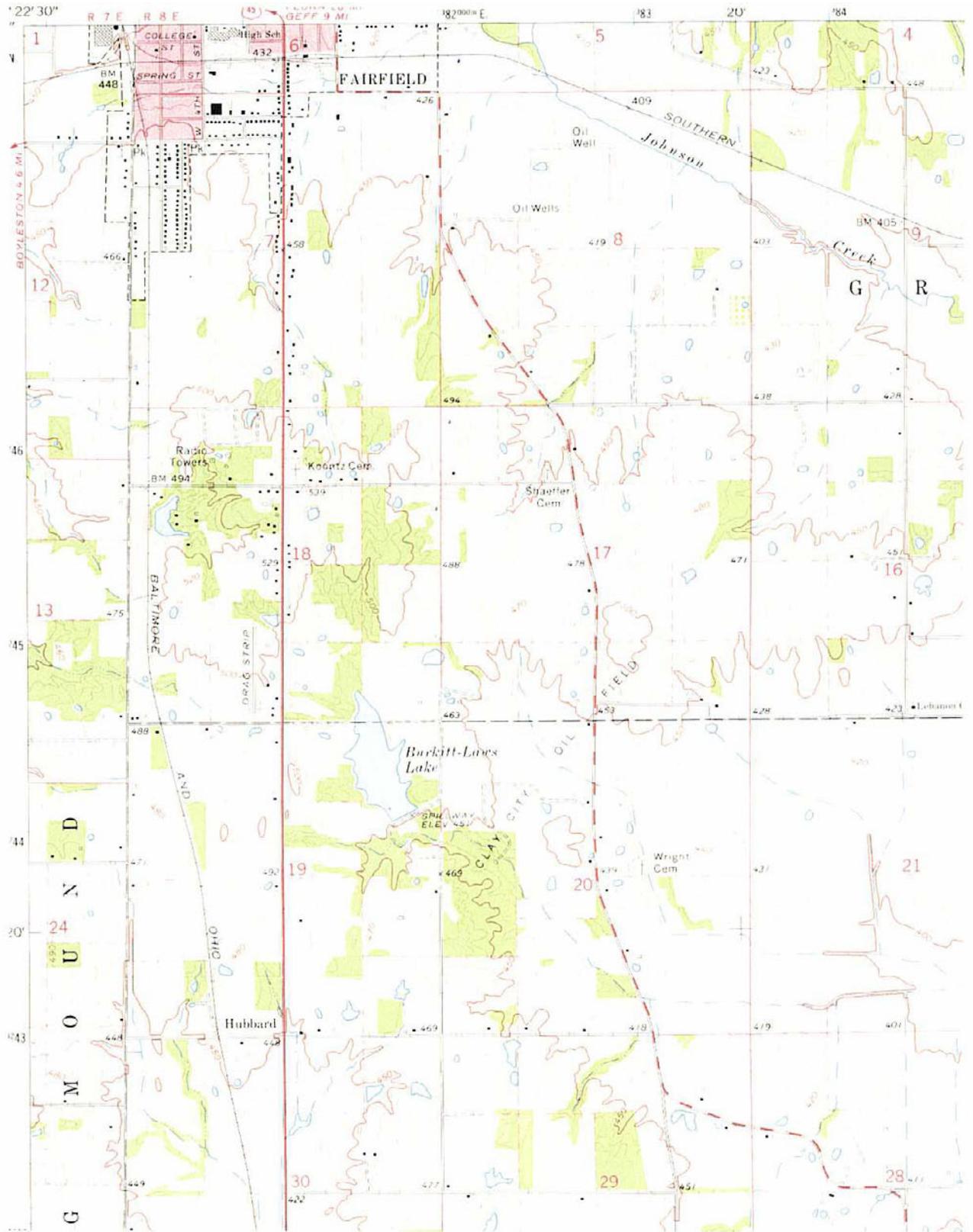


FIGURE 5
 SSG R.F. Walton USAR Center
 1971 USGS 7.5-Minute Topography Map
 Phase I ECP Report

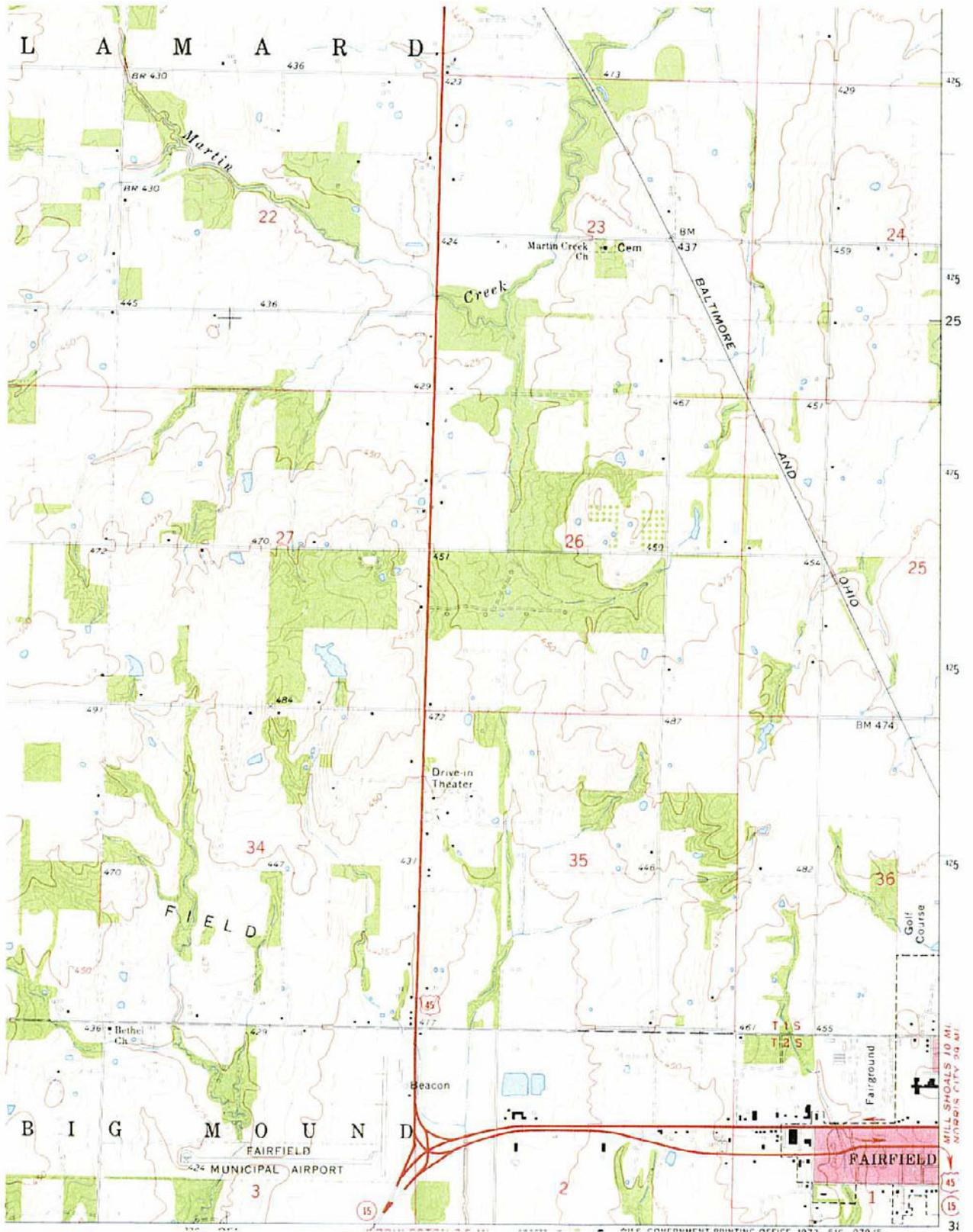




NAD 83 EDR INQUIRY# 1714247.94 ADJOINING QUAD: BURNT PRAIRIE YEAR: 1971 Series: 7.5' Scale: 1:24,000



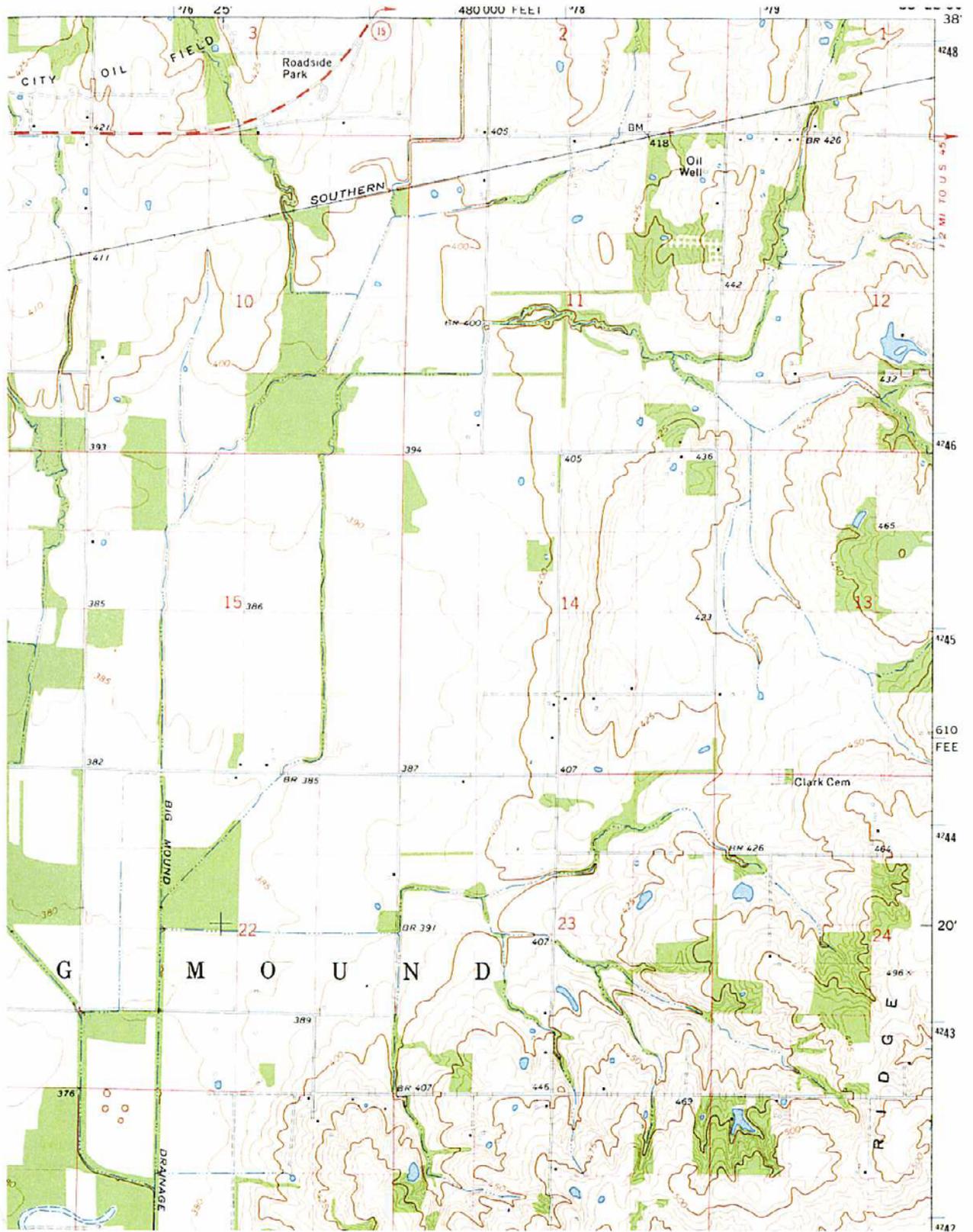
FIGURE 6
 SSG R.F. Walton USAR Center
 1971 USGS 7.5-Minute Topography Map
 Phase I ECP Report



N ^ EDR INQUIRY# 1714247.94 ADJOINING QUAD: GEFF YEAR: 1970 Series: 7.5' Scale: 1:24,000

FIGURE 7
 SSG R.F. Walton USAR Center
 1970 USGS 7.5-Minute Topography Map
 Phase I ECP Report





N ^ EDR INQUIRY# 1714247.94 ADJOINING QUAD: BOYLESTON YEAR: 1971 Series: 7.5' Scale: 1:24,000

FIGURE 8
 SSG R.F. Walton USAR Center
 1971 USGS 7.5-Minute Topography Map
 Phase I ECP Report





North
1 : 7,200

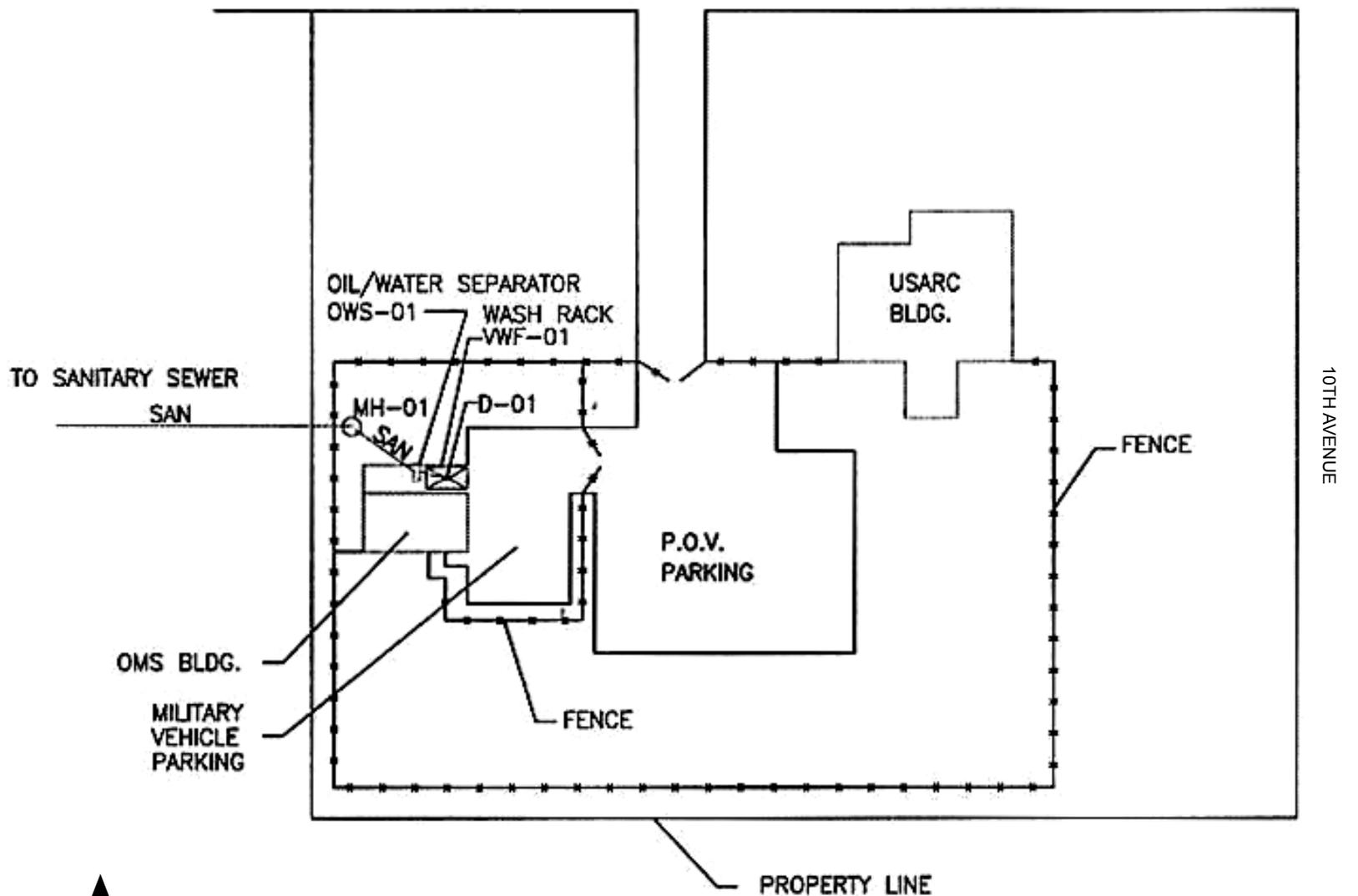
FIGURE 9
SSG R.F. Walton USAR Center
1977 Aerial Photograph
Phase I ECP Report



North
1 : 4,800

FIGURE 10
SSG R.F. Walton USAR Center
1988 Aerial Photograph
Phase I ECP Report

LENINGER ROAD



North

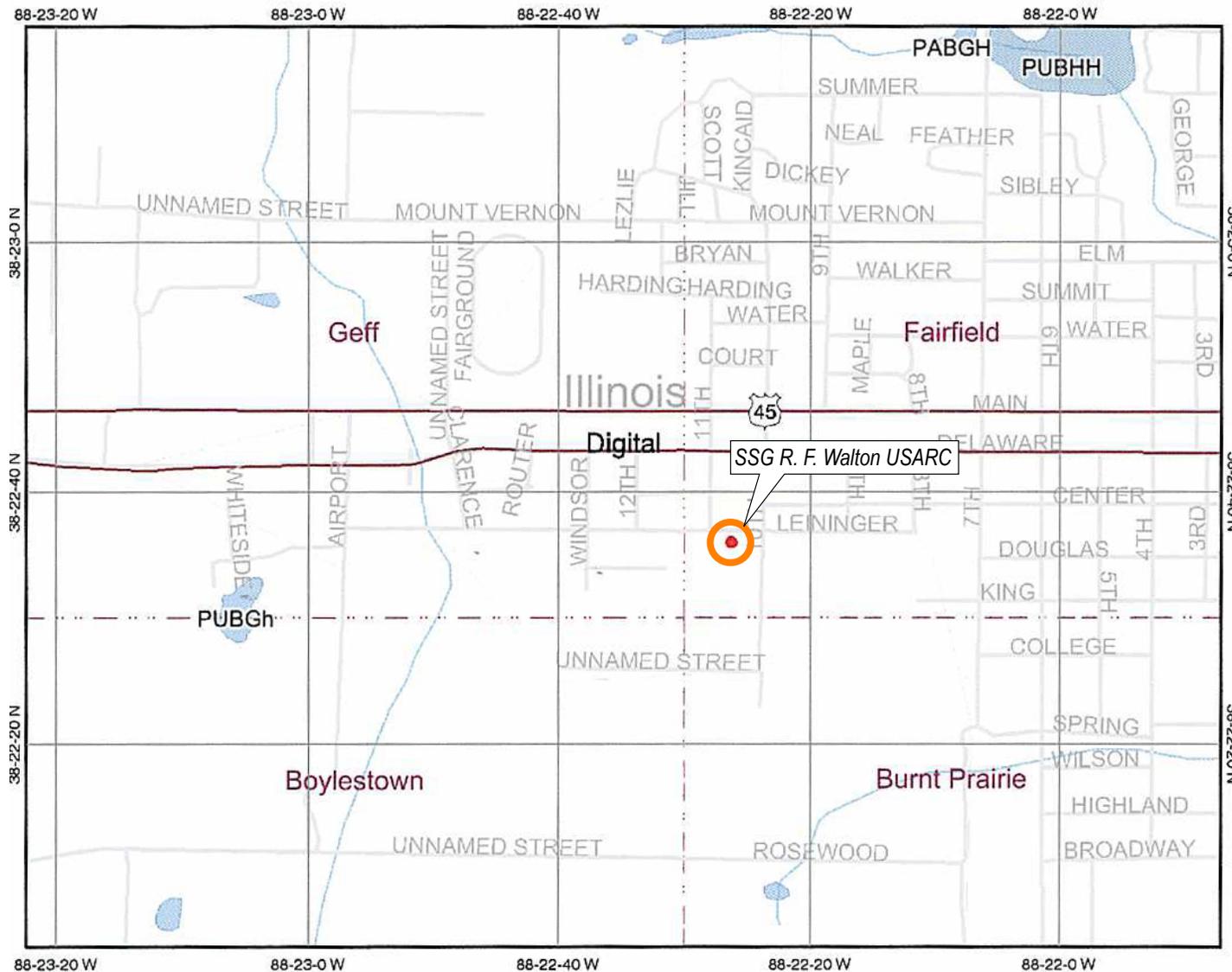
NOT TO SCALE

PROPERTY LINE AND FENCE EXTEND FARTHER SOUTH

ES082006013MKE Figure_11_OWS Location - Fairfield-Walton

FIGURE 11
SSG R.F. Walton USAR Center
Former Location of OWS and Vehicle Wash Rack
Phase I ECP Report

CH2MHILL



Legend

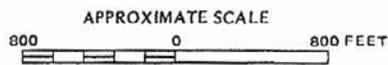
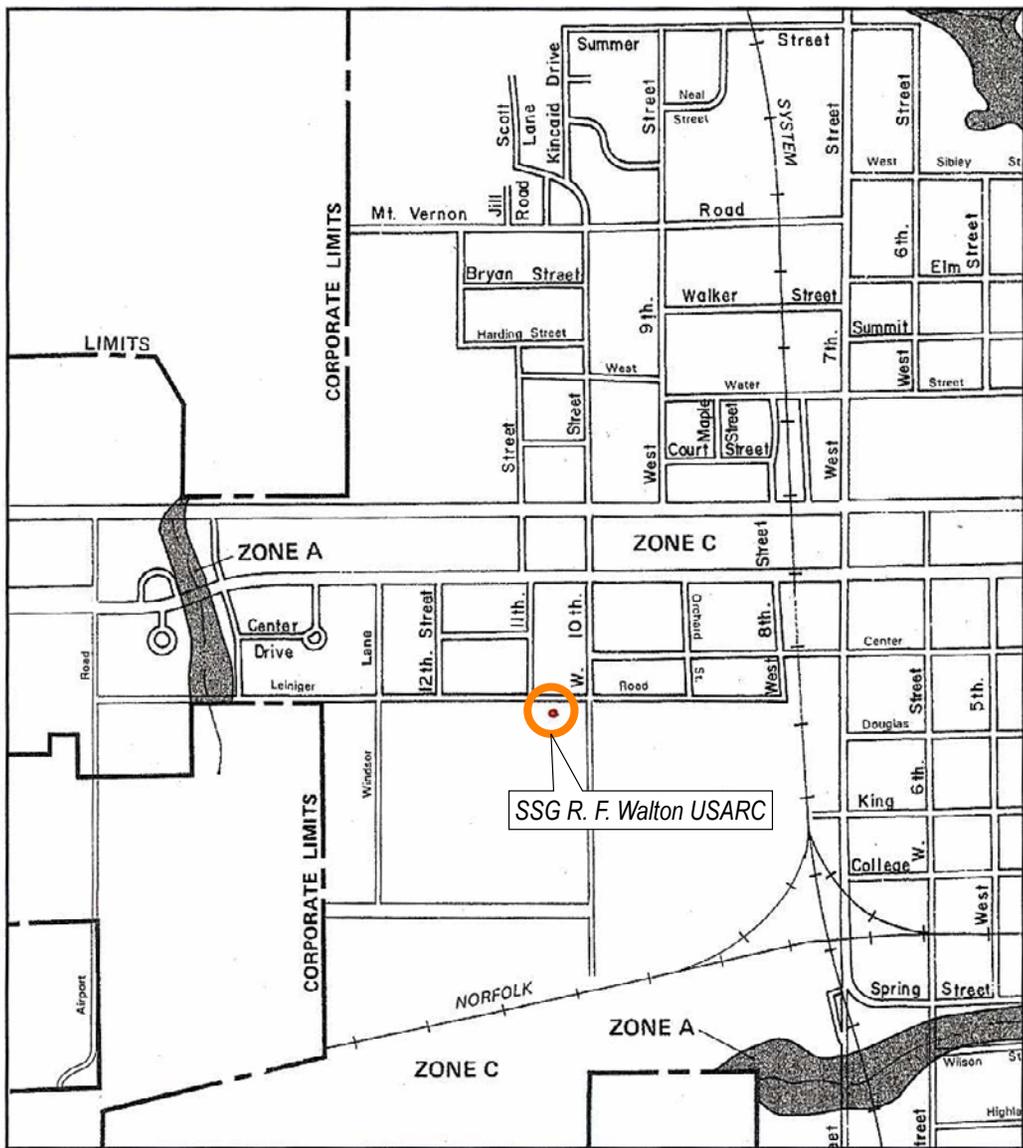
- Interstate
- Major Roads
- Other Road
- Interstate
- State highway
- US highway
- Roads
- Cities
- USGS Quad Index 24K
- Lower 48 Wetland Polygons
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Lower 48 Available Wetland Data
- Non-Digital
- Digital
- No Data
- Scan
- NHD Streams
- Counties 100K
- Urban Areas 300K
- States 100K
- South America
- North America

Scale: 1:21,155

Map center: 38° 22' 40" N, 88° 22' 35" W

FIGURE 12
SSG R.F. Walton USARC
Wetlands Map
Phase I ECP Report





KEY TO MAP

- Zone Designations*
 - ZONE C
- Base Flood Elevation Line With Elevation in Feet**
 - 513
- Base Flood Elevation in Feet Where Uniform Within Zone**
 - (EL 987)
- Elevation Reference Mark
 - RM7X
- Zone D Boundary
 -
- River Mile
 - =M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

***EXPLANATION OF ZONE DESIGNATIONS:**

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of foundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A00	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

NOTES TO USER

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



FIGURE 13
SSG R.F. Walton USAR Center
Floodplain Map
Phase I ECP Report

Appendix B
Site Reconnaissance
Photographs

APPENDIX B

Site Reconnaissance Photographs



1. View looking at south wall of OMS building. Batteries being stored in flammable storage cabinet for disposal.



2. View looking at north wall of OMS building. Drum used to store absorbent.



3. View looking at north wall of OMS building. 2 – 5 gallon containers of antifreeze..



4. View looking south outside south side of OMS building. Portable storage building used to store paints, adhesives, POLs, etc.



5. View looking south outside south side of OMS building. Portable storage building with drums of used oil and parts cleaner being stored for disposal by Safety-Clean.



6. View looking southwest in POV parking lot of oil-drain pan.



7. View looking south from POV parking lot. 3-55 gallon sorbent drums in parking lot.



8. View looking west from MEP area. Asphalt patch on north side of OMS building showing former location of OWS and vehicle wash rack.

Appendix C
**Property Acquisition Documents
and Chain of Title Report**



2055 East Rio Salado Parkway, Suite 201
Tempe, Arizona 85281
Phone: (480) 967-6752
Fax Number: (480) 966-9422
Web Site: www.netronline.com

HISTORICAL CHAIN OF TITLE REPORT

**SSF R.E. WALTON USARC, IL
1002 LEININGER RD
FAIRFIELD, ILLINOIS**

Submitted to:

**ENVIRONMENTAL DATA RESOURCES, INC.
C/O
CH2M HILL
1569 Stampmill Way
Lawrenceville, Georgia 30043
(770) 338-1589**

Attention: Mary Jacques

Project No. N06-5605

Friday, September 22, 2006

NETR- Real Estate Research & Information hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

UNITED STATES OF AMERICA

The following is the current property legal description:

Being that parcel or tract of land, situated and lying in the Northwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ of Section 1, Township 2 South, Range 7 East of the Third Principal Meridian in Wayne County, State of Illinois

Assessor's Parcel No: 22-50-042-011

1. HISTORICAL CHAIN OF TITLE

1. DEED:
 - RECORDED: 11-24-1947
 - GRANTOR: Charles E. Bonham & Jessie C. Bonham, his wife
 - GRANTEE: Fairfield Development Company, Inc., an Illinois Corporation
 - INSTRUMENT: Bk 197, Pg 180

2. WARRANTY DEED:
 - RECORDED: 09-09-1950
 - GRANTOR: Fairfield Development Company, Inc., an Illinois Corporation
 - GRANTEE: Chef-Field Homes, Inc., an Illinois Corporation
 - INSTRUMENT: Bk 204, Pg 277

3. WARRANTY DEED:
 - RECORDED: 09-13-1950
 - GRANTOR: Chef-Field Homes, Inc., an Illinois Corporation
 - GRANTEE: Regal Chinchilla Ranch, Inc., an Illinois Corporation
 - INSTRUMENT: Bk 204, Pg 286

4. WARRANTY DEED:
 - RECORDED: 12-31-1954
 - GRANTOR: Regal Chinchilla Ranch, Inc., an Illinois Corporation
 - GRANTEE: Joe B. Witt
 - INSTRUMENT: Bk 213, Pg 159

5. WARRANTY DEED:
 - RECORDED: 05-06-1959
 - GRANTOR: Joseph B. Witt & Thelma C. Witt, his wife
 - GRANTEE: United States of America
 - INSTRUMENT: Bk 223, Pg 448

6. DEED:
 - RECORDED: 12-16-1971
 - GRANTOR: City of Fairfield, a municipal corporation
 - GRANTEE: United States of America
 - INSTRUMENT: Bk 278, Pg 29
 - COMMENTS: In exchange for this deed the United States of America conveyed by Quit Claimed a 0.31 acre strip of land to the City of Fairfield

2. LEASES AND MISCELLANEOUS

1. DEPARTMENT OF THE ARMY LICENSE:

RECORDED: 04-02-1970
GRANTOR: The Secretary of the Army
GRANTEE: The City of Fairfield, a political subdivision
INSTRUMENT: Bk 19, Pg 450
COMMENTS: To occupy as a right of way for road and street purposes those lands of the United States and being a portion of the United States Army Reserve Center

2. EASEMENT:

RECORDED: 01-06-1976
GRANTOR: Thomas Irven Bishop & Hazel Maxine Bishop, husband & wife
GRANTEE: United States of America
INSTRUMENT: Bk 294, Pg 173
COMMENTS: Tracts A-103-E1, A-103-E2 and A-103-E3

3. EASEMENT:

RECORDED: 01-06-1976
GRANTOR: Victor W. Bruce & Muriel C. Bruce, husband & wife
GRANTEE: United States of America
INSTRUMENT: Bk 294, Pg 176
COMMENTS: Tracts A-104-E1, A-104-E2 and A-104-E3

4. No environmental liens, institutional controls or engineering controls were found of record.

3. LIMITATION

This report was prepared for the use of Environmental Data Resources, Inc., and CH2M Hill, exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR- Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

BOOK 223 PAGE 448

ARTC SITE
FAIRFIELD, ILLINOIS
TRACT NO. A-101

WARRANTY DEED

THE GRANTORS, JOSEPH B. WITT and THELMA C. WITT, his wife, of the County of Wayne, in the State of Illinois, for and in consideration of the sum of TEN THOUSAND THREE HUNDRED TWENTY (\$10,320.00) DOLLARS and other valuable considerations in hand paid, the receipt and sufficiency of which are hereby acknowledged, CONVEY AND WARRANT to the UNITED STATES OF AMERICA AND ITS ASSIGNS the following described real estate:

The East 500 feet of the North 450 feet of the Northwest Quarter of the Southeast Quarter of Section 1, Township 2 South, Range 7 East of the Third Principal Meridian, in Wayne County, Illinois, containing 5.16 acres, more or less.

The Grantors further convey and quitclaim to the United States of America and its assigns all right, title and interest which the Grantors may have in the banks, beds and waters of any streams opposite to or fronting upon said land, and also, all interest in any alleys, roads, streets, ways, strips, gores or railroad rights-of-way abutting or adjoining said land and in any means of ingress or egress appurtenant thereto.

The Grantors release and waive all rights under and by virtue of the Homestead Exemption Laws of the State of Illinois.

SIGNED, SEALED AND DELIVERED this 6th day of May

A. D., 1959.

WITNESSES:

[Handwritten signatures and notes]

JOSEPH B. WITT

Thelma C. Witt

(SEAL)

THELMA C. WITT



Appendix D
**Previous Environmental
Site Assessment Reports**

88TH REGIONAL SUPPORT COMMAND
OIL/WATER SEPARATOR ENGINEERING STUDY
1002 WEST LEININGER ROAD
FAIRFIELD, ILLINOIS (IL026)

Prepared for:

HARZA ENVIRONMENTAL SERVICES, INC.
233 South Wacker Drive
Chicago, Illinois 60606

Prepared by:

TERRACON
White Bear Lake, Minnesota 55110
Terracon Project No. 47975056
May 21, 1998

Terracon

TABLE OF CONTENTS

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INTRODUCTION.....	1
DESCRIPTION OF THE FACILITY.....	1
INVESTIGATION ACTIVITIES.....	1
FINDINGS OF THE SITE VISIT.....	2
EVALUATION OF OWS CAPACITY.....	3
ADDITIONAL FINDINGS.....	6
CONCLUSIONS.....	6
RECOMMENDATIONS.....	7
GENERAL COMMENTS.....	7

Figure 1 - Site Map

Appendix A

OWS Questionnaire

Appendix B

Safety Kleen Manifest Documents

Appendix C

Engineering Drawings

Appendix D

Photographs

Appendix E

Rainfall Map

**88TH REGIONAL SUPPORT COMMAND
OIL/WATER SEPARATOR ENGINEERING STUDY
FAIRFIELD ILLINOIS (IL026)**

INTRODUCTION

Terracon as a subcontractor to Harza Environmental Services (Harza), has been retained by the Corps of Engineers Omaha District to evaluate the condition of oil/water separators (OWS) at various facilities under the 88th Regional Support Command and report the findings. The OWS evaluation included observing the physical condition of each OWS and documenting the location, condition, maintenance/upgrade requirements, system connections, discharge location, permits required for operations and potential liabilities for each OWS.

This report presents the results of our observations and data obtained at the SSG Richard F Walton United States Army Reserve Center (USARC) facility in Fairfield, Illinois (IL026).

DESCRIPTION OF THE FACILITY

The SSG Richard F Walton USARC facility is located at 1002 West Leininger Road, Fairfield, Illinois. The facility is home to the 877th A. G. Company (postal unit). The facility consists of two buildings: a Reserve Center and an Organization Maintenance Shop (OMS) building. A vehicle wash rack is located adjacent to the OMS building which contains one oil/water separator (OWS). Floor drains, trench drains or other potential discharges into the OWS were not observed in the OMS building. The Reserve Center, which does not have an oil/water separator, serves as an administration facility, training center, and for equipment storage.

The facility manager, Ms. Tina Gicewicz, indicated that vehicle maintenance and washing is not performed at the facility. Ms. Gicewicz further indicated that the unit has been stationed at the facility for approximately two years and that the unit does not have all its' equipment. The unit is not scheduled to acquire all of its equipment and vehicles until the year 2009.

INVESTIGATION ACTIVITIES

A questionnaire was submitted to the facility manager to obtain information regarding the OWS systems and operations. A copy of the completed questionnaire is included in Appendix A.

On March 25, 1998, Terracon visited the facility to meet with the facility manager, Ms. Tina Gicewicz, to inspect the OWS and conduct additional investigations. Additional investigations included confirming information provided in the questionnaire, confirming discharge to the sanitary sewer system, and identifying and locating potential discharges into the OWS including sources of wash water as well as potentially hazardous materials. Terracon also photographed the OWS and where possible measured the potential discharges to the OWS.

Safety-Kleen Corp pumped the contents of the OWS and vacuumed and washed the OWS interior. Washing was conducted using the on-site water supply and a garden type hose. Copies of Safety-Kleen's bill of lading/manifest and invoice for disposal of the waste are included in Appendix B.

Discharges into the OWS from the wash rack and from the OWS to the sanitary sewer system were confirmed with a dye test. Kingscote fluorescent FLT Yellow/Green dye was used. Dye solution was prepared by mixing a small amount of dye concentrate (tablet form) with approximately 5 gallons of water. The dye solution was poured into the OWS and the manhole cover at the sanitary sewer was removed and the sewer pipe observed for the presence of the dye. In general, a few minutes were required for the dye to appear in the sewer.

FINDINGS OF THE SITE VISIT

The facility manager provided site drawings during the site visit. The drawings included a partial site utility drawing and a general site layout of the reserve facility. Details of the wash rack and OWS were not available. Copies of the relevant portions of the drawings are included in Appendix C. Figure 1 presents a schematic of the OWS system based on a review of the site utility plan and field observations.

The OMS building is located approximately 150 feet southwest of the Reserve Center. An outdoor vehicle wash rack is located immediately north of the OMS building. The wash rack is a rectangular concrete pad measuring 30 feet by 15 feet. The concrete wash rack is sloped to provide drainage to a catch basin/sand trap at the approximate center of the wash rack. The catch basin is constructed of cast-in-place concrete and measured 2 feet by 1½ feet by 43 inches deep. The catch basin is covered by a cast iron grate. The wash rack catch basin discharges to the OWS located approximately 5 feet west of the wash rack. The discharge was confirmed by a dye test. Approximately 4 inches of sediment (corresponding to approximately 5 gallons) was observed in the base of the catch basin. The sediment was removed by Safety Kleen.

The concrete at the catch basin and wash rack appeared to be in good condition. Cracks and spalling of the concrete were not observed. The grate covered the catch basin completely and securely.

The OWS consists of a gravity type oil/water separator unit. The OWS appeared to be constructed of pre-cast concrete components set on a cast-in-place concrete base. The OWS is generally rectangular in shape with overall dimensions of 4 feet by 8 feet by 68 inches deep. Access into the OWS is through a 2 foot diameter manhole which has a cast iron cover. The discharge pipe has a drop tube which extends downward. A concrete baffle is located adjacent to the discharge pipe and drop tube. The top of the baffle is approximately 12 inches off the base of the OWS. The base of the drop tube terminates

below the top of the concrete baffle. The influent pipe is located near the top of the OWS along one end. The limited accessibility and the location of the influent and discharge pipes limited observations. Discharge from the OWS is to the sanitary sewer system as confirmed by a dye test.

The OWS appeared to be in generally sound condition, however four small holes were observed in the sides of the OWS. Two holes were observed in each of the 8-foot long sidewalls of the OWS. The holes were towards the top of the sidewall although it is unknown whether they are above or below the liquid level. The holes were approximately ½ inch in diameter and appeared to be associated with fabrication/construction of the OWS unit. Probes of the four holes showed that one of the four holes continued through the wall of the OWS to the surrounding soil. The concrete base appeared rough, but cracks or holes were not observed. The manhole cover over the manway covered the OWS completely and securely and was observed to be in good condition.

At the time of the site visit, the OWS contained approximately 479 gallons of liquid waste and approximately 40 gallons of solid waste. These wastes, along with the 5 gallons of sediment from the catch basin and approximately 20 gallons of wash water, were removed and disposed of by Safety-Kleen.

Flow into the OWS is from the catch basin at the wash rack. Wash water for the wash rack is from one hose bib located on the north exterior wall of the OMS building. Discharge from the hose bib was measured at 5 gallons per 45 seconds, yielding approximately 6.7 gallons per minute (gpm) which is equivalent to 0.9 cubic feet per minute (cfm). Additional sources of wash water were not observed. Additional flow into the OWS from the wash rack includes stormwater run-off and snow melt.

The OWS discharges to a sanitary sewer manhole located approximately 25 feet northwest of the OWS. The sanitary sewer then flows west off-site. Discharge to the sanitary sewer system was confirmed with a dye test. The manhole cover at the sanitary sewer was removed and the sewer pipe observed for the presence of the dye. A few minutes were required for the dye to appear in the sewer.

Photographs of the OWS, wash rack and the sewer discharge are located in Appendix D.

EVALUATION OF OWS CAPACITY

The American Petroleum Institute (API) has established design standards for sizing oil/water separators. These standards provide for efficient removal of oil globules greater than 0.015 centimeters (cm) in diameter. The design is based on three relationships, the minimum horizontal surface area of the OWS, the minimum vertical cross-sectional area of the OWS, and a minimum depth-to-width ratio.

The minimum horizontal surface area is determined by the equation.

$$A_H = F(Q_D/v_t) \text{ where}$$

A_H = minimum horizontal area in square feet

F = design factor and is determined by the ratio of horizontal velocity (V_H) to the rise rate of the oil globule (v_t). F is obtained from a graph provided in the API design manual. F varies from a minimum of 1.23 at a V_H/v_t of 2 to 1.75 at a V_H/v_t of 18.

Q_D = design flow rate in cubic feet per minute (cfm)

v_t = rise rate of oil globule in feet per minute (fpm)

$$v_t \text{ is determined by the equation } v_t = 0.0241 (S_w - S_o)/u \text{ where}$$

S_w = specific gravity of water at design temperature = approximately 1.0 at 40 F

S_o = specific gravity of oil at design temperature = approximately 0.9 at 40 F

u = absolute viscosity of water at design temperature = approximately 0.015 at 40 F

A temperature of 40 F was assumed as a conservative value since a globule of oil in water at 40 F will rise at half the rate of the same globule in water at 90 F. The specific gravity values for water and oil presented above are also based on the conservative assumption that the OWS is designed for "cold" weather usage.

Horizontal velocity (V_H) through the OWS is determined by dividing the flow (Q_D) by the vertical cross sectional area (A_c). API recommends a maximum horizontal velocity of 3 fpm.

API recommends a minimum depth-to-width ratio (d/B) between 0.3 and 0.5, where d is the depth of liquid in the OWS and B is the width of the OWS.

Sources of flow through the OWS include the stormwater run-off from the wash rack and flow from the hose bib located on the north wall of the OMS building. Flow from the hose bib was measured at 6.7 gpm (0.9 cfm).

Stormwater runoff (Q_s) from the vehicle wash rack to the OWS may be estimated using the rational method:

$$Q_s = CiA \text{ where}$$

Q_s = flow in cubic feet per second (cfs)

C = runoff coefficient

i = rainfall intensity in inches/hour

A = drainage area in acres

A runoff coefficient of 1.0 may be used for sound concrete. Rainfall associated with a five year, one hour storm is estimated at 1.9 inches, as indicated on the attached rainfall map in Appendix E. This design storm is generally accepted as providing a balance between flow

capacity and OWS size. The wash rack is a concrete pad 30 feet by 15 feet which is 450 square feet or 0.01 acres

Therefore, $Q_s = C_i A = (1.0)(1.9)(0.01) = 0.02 \text{ cfs} = 1.2 \text{ cfm} = 9 \text{ gpm}$

Q_D is the maximum flow through the OWS. Stormwater flow was calculated at 9 gpm and the flow from the adjacent hose bib was measured at 6.7 gpm. It is not likely that equipment will be washed during a rainfall event. Therefore, the maximum flow (Q_D) was assumed to be the higher of the two values, which is the stormwater flow.

In evaluating the OWS capacity at the Fairfield facility the following parameters were measured:

$Q_D = 9 \text{ gpm} = 1.2 \text{ cfm}$
OWS length = $L = 8$ feet
OWS width = $B = 4$ feet
OWS area = $(B)(L) = 32$ square feet (horizontal area)
Depth of waste water = $d = 26$ inches = 2.2 feet

$$A_c = (B)(d) = (4)(2.2) = 8.8$$

$$d/B = 2.2/4 = 0.55$$

The depth to width ratio is greater than the minimum of 0.3 and also greater than the recommended maximum of 0.5.

$$V_H = Q_D / A_c = 1.2/8.8 = 0.14$$

V_H is less than the maximum of 3 fpm. This meets API design requirements.

$$v_t = 0.0241 (S_w - S_o) / u = 0.0241(1 - 0.9) / 0.015 = 0.161 \text{ fpm}$$

Therefore: $V_H / v_t = 0.14 / 0.161 = 0.87$

Since V_H / v_t is less than 2, a value of 1.23 is used for F at this facility to calculate the minimum horizontal area.

$$A_H = F(Q_D / v_t) = 1.23(1.2 / 0.161) = 9.2 \text{ square feet}$$

The actual horizontal area of the OWS is 32 square feet which is greater than the minimum required.

The OWS meets two of the three API design requirements. The depth to width ratio is greater than the maximum ratio recommended, however this is not anticipated to reduce the oil

removal capability of the OWS. The actual horizontal area of the OWS is greater than the minimum required for the measured flow of 6.7 gpm from the hose bib and the calculated flow of 9 gpm from a five year, one hour storm event.

ADDITIONAL FINDINGS

The facility manager indicated that the facility does not have a spill prevention, control and countermeasure (SPCC) plan in place. She also indicated that there have not been spill(s) into the OWS.

The facility manager indicated that the OWS was pumped about two years ago, which would correspond with the arrival of the unit at this facility.

Mr. Dennis Zurliene, Superintendent - City of Fairfield Water and Sewer Department, indicated that a permit is not required to discharge from the OWS to the sanitary sewer system.

CONCLUSIONS

The SSG Richard F. Walton USARC facility is located at 1002 West Leininger Road, Fairfield, Illinois. The facility is home to the 877th A. G. Company (postal unit). The facility consists of two buildings: a Reserve Center and an Organization Maintenance Shop (OMS) building. A vehicle wash rack is located adjacent to the OMS building which discharges to an oil/water separator. Floor drains, trench drains or other potential discharges into the OWS were not observed in the OMS building. The Reserve Center, which does not have an oil/water separator, serves as an administration facility, training center, and for equipment storage.

This report summarizes investigations conducted by Terracon focusing on the physical condition of the OWS system. Work included pumping the OWS by Safety-Kleen Corp.

The OWS appeared to be in generally sound condition, however four small holes were observed in the sides of the OWS. The holes were approximately 1/2 inch in diameter and appeared to be associated with fabrication/construction of the OWS unit. Probes of the four holes showed that one of the four holes continued through the wall of the OWS to the surrounding soil. The holes were towards the top of the sidewall although it is unknown whether they are above or below the liquid level. The concrete base appeared rough, but cracks or holes were not observed.

The OWS meets two of the three API design requirements. The depth to width ratio is greater than the maximum ratio recommended, however this is not anticipated to reduce the oil removal capability of the OWS. The actual horizontal area of the OWS is greater than the minimum required for the measured flow of 6.7 gpm from the hose bib and the calculated flow of 9 gpm from a five year, one hour storm event.

The facility manager indicated that the facility does not have an SPCC plan. She also indicated that there have not been spill(s) into the OWS.

Mr. Dennis Zurliene, Superintendent - City of Fairfield Water and Sewer Department, indicated that a permit is not required to discharge from the OWS to the sanitary sewer system.

RECOMMENDATIONS

- 1 The facility currently does not have an SPCC plan. A plan should be developed and implemented prior to acquiring facility vehicles and performing maintenance operations.
- 2 The holes in the sidewalls of the OWS should be sealed.
- 3 Operational procedures should be implemented to monitor the sediment and oil accumulations in the OWS and remove the accumulations as needed to maintain the efficiency of the OWS.

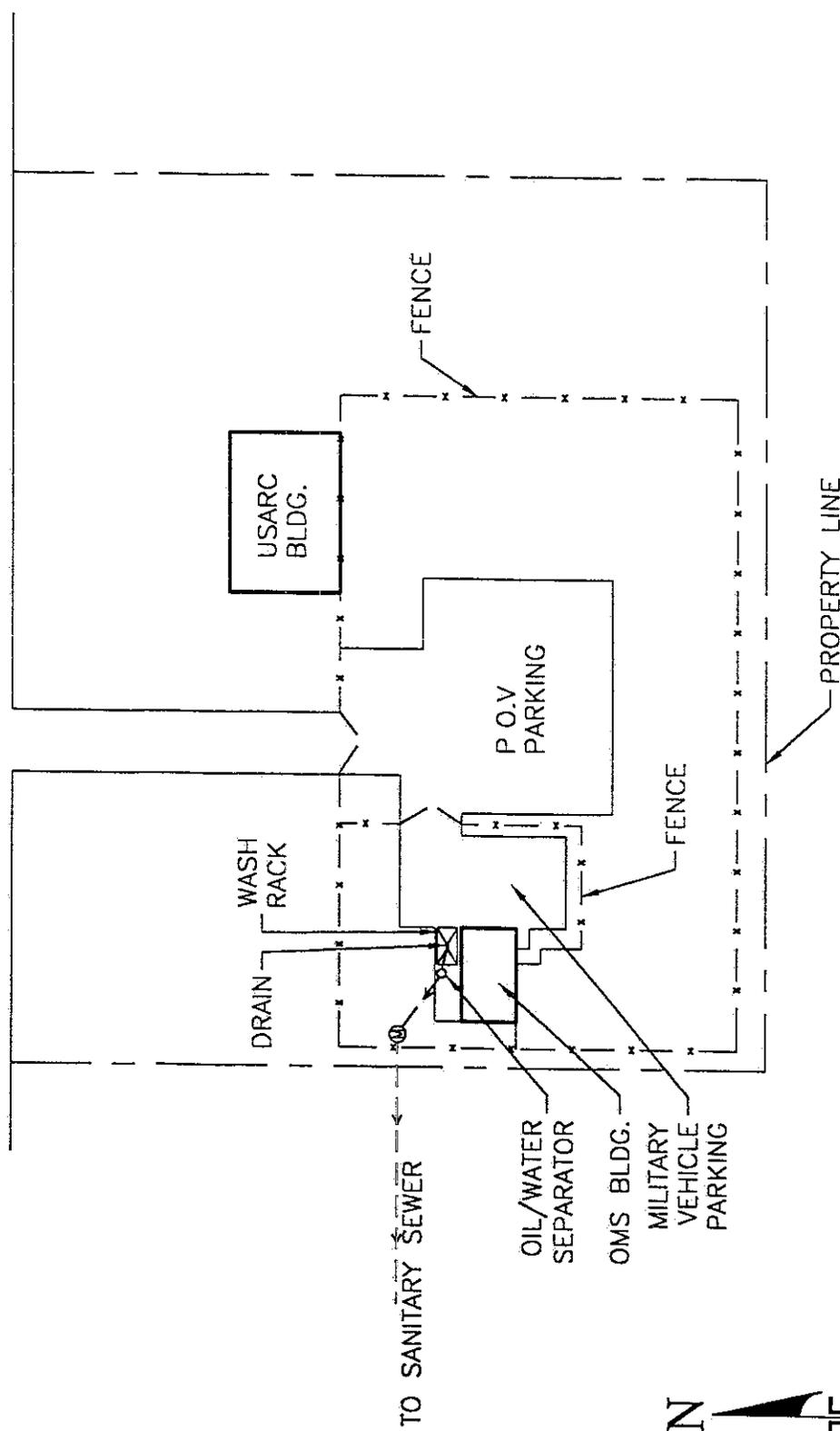
GENERAL COMMENTS

The analysis and opinions expressed in this report are based upon data obtained from the facility personnel and during the site visit or from other information discussed in this report.

This report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental engineering practices. No warranties, express or implied are intended or made. In the event any changes in the nature or location of suspected sources of contamination as outlined in this report are observed, the conclusions and recommendations contained in this report shall not be valid unless these changes are reviewed and the opinions of this report are modified or verified in writing by Terracon.



LENINGER ROAD



NOT TO SCALE

Terracon

3535 HOFFMAN ROAD EAST
 WHITE BEAR LAKE, MN 55116
 (812) 770-1800 FAX (812) 770-1857

SITE MAP

TERRACON PROJECT NO. 41975067

DESIGN BY:	SPJ
CHECKED BY:	PT
DATE:	7/15/98
SCALE:	AS SHOWN

OIL/WATER SEPARATOR SYSTEM

USARC (ILO26)
 FAIRFIELD, ILLINOIS
 (MARCH 24, 1998)

FIGURE NO.:
 1

APPENDIX A

OWS QUESTIONNAIRE

88th REGIONAL SUPPORT COMMAND
OIL/WATER SEPARATOR (OWS) QUESTIONNAIRE
CONTRACT NO. DACW 45-94-D-0044

1) Facility Identification

a) FACID

14026

b) Facility Name

SSG RICHARD E. WALTON USARCTA

c) Address

1002 W. LEININGER
FAIRFIELD, IL 62837-0129

d) Facility Contact

Tina
MS GICEWICZ

e) Telephone Number

(618) 842-2101

f) Date Questionnaire Completed

19 NOV 97

2) General Information

a) How many OWS's does the facility have?

1

b) When were they constructed?

approx 1959

c) Are they connected?

Yes No

If so, please explain the connection and piping arrangement:

For each OWS at the facility complete separate copies of this questionnaire.

3) Physical Characteristics

a) Indicate the direction and distance from the nearest facility building:

Direction

NORTH

Distance (feet)

15

From Building #

OWS

b) Is the OWS currently operational?

Yes No

If yes, how often is it used per month?

0

c) When was the last time it was inspected and cleaned (date)?

Approx 2 years

d) Was this maintenance done by a commercial contractor?

Yes No NA

e) Did the contractor issue a report?

Yes No NA

If so, please attach a copy.

f) What is the approximate capacity of the OWS?

UNK gal

If unknown, attempt to estimate based on the dimensions

Length

2 ft

Width

1 1/2 ft

Depth

4 ft

Depth of liquid

2 ft

g) Does the OWS currently contain liquid?

Yes No

If yes, approximately how many gallons are currently present?

10 gal

h) What are the walls and base of the OWS constructed of?

Circle One: concrete blocks brick steel unknown other _____ (specify)

i) Size of access manways to OWS

diameter _____ or feet 2 x 1 1/2

j) Can the cover be removed?

Yes No

k) Is the cover locked?

Yes No

l) Does the OWS have a sand grit chamber?

UNK

Yes

No

Estimated size

Depth of grit present in the chamber and/or on the base of OWS

_____ ft

m) Is there a collection trench connected to the OWS? Yes No

n) Is there liquid in the trench? Yes No

If so, estimate the volume (length x width x depth in feet x 7.48) = _____ gal

o) Is there sediment in the trench? *NA* Yes No

If so, estimate the amount (length x width x depth in feet x 7.48) = _____ gal

p) What are the dimensions of the collection trenching?

Length _____ ft
Width *NA* _____ ft
Depth _____ ft

q) What are the walls and base of the trenching constructed of?

Circle One: Concrete Steel Unknown Other *NA*
(specify)

r) What operations are the OWS used in conjunction with at the facility (check all that apply).

vehicle wash rack
vehicle maintenance bay drains
POV or MEP parking area runoff
other (specify) *BLDG RUNOFF*

s) Do you have a copy of the following at the facility?

Scaled site drawing of the facility Yes No
Engineers drawings of OWS Yes No
"As built" drawings of OWS *MANY* Yes No
Construction specifications of OWS *BLUE PRINTS* Yes No
 Engineers drawing of the OWS, collection trench discharge lines, outfalls, manholes, etc. Yes No

If yes, please furnish copies.

t) Distance from OWS to nearest source of wash water (min. 1/2" hose bib) *15 feet*

4) Operation and Discharge Conditions

a) Where does the OWS discharge (check as applicable)

- municipal storm sewer
- municipal sanitary sewer
- septic tank
- septic drain field
- holding tank
- adjoining ditch, pond or stream
- french drain (open bottom OWS)
- unknown
- other (specify) _____

b) Describe the approximate location of the OWS discharge in terms of the distance and direction from the OWS.

Direction NORTH
 Distance UNK ft.

c) What is the estimated discharge flow rate in gallons per month? UNK gal

Describe basis for discharge rate estimates (i.e., actual flow rate measurements; number of vehicles washed x gallons per wash; other)

d) Does the facility have an NPDES or POTW permit? Yes No

If yes, please attach a copy.

If no, or if permit is not available, please forward any information regarding discharge limits, sampling requirements, and reporting requirements.

e) Do you have laboratory analytical data (total suspended solids, oil & grease, BOD, pH, etc.)

- characterizing flows into the OWS? Yes No
- characterizing discharge from the OWS? Yes No

If yes, please furnish copies.

- f) Has your facility had any violations of discharge limits or standards? Yes No

If yes, please furnish copies of reports describing nature, causes, and responses.

5) Emergency Response

- a) Does your facility have an SPCC (Spill Prevention, Control & Countermeasure) Plan? Yes No

- b) Has your facility had spills of oils and/or hazardous materials which have entered the OWS system? Yes No

If yes, please furnish copies of reports describing nature, causes, impacts, and responses.

6) Miscellaneous

- a) Describe any other information, circumstances or events associated with the OWS.

APPENDIX B

SAFETY-KLEEN MANIFEST DOCUMENTS

NAME: US Army Reserve Station
 INFORMATION/ATTENTION LINE: 10002 W Keidinger
 DELIVERY ADDRESS: 10002 W Keidinger
 CITY: Fort Belknap STATE: MT

NAME: Harza Ebullov
 INFORMATION/ATTENTION LINE: 233 S Wade
 DELIVERY ADDRESS: 233 S Wade
 CITY: Chicago STATE: IL

BRANCH NO. 060 TITLE SIC
 BUSINESS TYPE: 01
 CREDIT CODE: 01
 TAX EXEMPTION NO.

DEPT	SERVICE/PRODUCT	UNIT PRICE	QUANTITY	CHARGE	SALES TAX	TOTAL CHARGE	HAZARDOUS TEST RESULTS	SK DOT NUMBER	CC	SERVICE TERM	CHANGE SERVICE TERM	PRDNO NO	RELEASE NO
1	66067	1.90	479	431.10	0	431.10	CHLORINE TEST RESULTS: PASS						
2	66077	3.45	45	155.25	0	155.25	CHLORINE TEST RESULTS: PASS						
3	10915	MC	1	MC	0	MC	CHLORINE TEST RESULTS: PASS						
4	10921	MC	20	MC	0	MC	CHLORINE TEST RESULTS: PASS						
TOTAL SERVICE/PRODUCTS				117	110.457	0	110.457						

GENERATOR STATUS: CHECK ONLY ONE BOX BELOW
 GENERATOR: 1 NO PREQUAL REQUIRED, NO HALOGEN TEST
 HAZARDOUS WASTE CLASSIFICATION: 2 NO PREQUAL REQUIRED, HALOGEN TEST AT PICK-UP
 3 PREQUAL REQUIRED, NO HALOGEN TEST
 4 PREQUAL REQUIRED, HALOGEN TEST AT PICK-UP
 SOGLOG: 1 2 3 4
 * REFER TO REVERSE SIDE FOR DEFINITIONS

USED OIL (NOT US DOT HAZARDOUS MATERIAL)
 USED OIL AND WATER MIXTURE (NOT US DOT HAZARDOUS MATERIAL)
 USED ANTIFREEZE (NOT USEPA OR US DOT REGULATED)

INTERMEDIATE FACILITY NAME AND ADDRESS: SAFETY HAZARD CORP. 4477 St. Bernar Evansville IN
 INTERMEDIATE FACILITY ID NO: 1910105020
 STATE ID NO: 00054421

USED OIL (NOT US DOT HAZARDOUS MATERIAL) 1 TT00544 G 927
 USED ANTIFREEZE (NOT USEPA OR US DOT REGULATED) 1176

WE CARE.

GENERATOR USEPA ID NO: ILLD984908202
 GENERATOR STATE ID NO: 1910105020
 USA EPA ID NO: 00054421
 STATE ID NO: 00054421

PRINT NAME: Jeany Barker
 SIGNATURE: Jeany Barker
 DATE: 5/1/11

PRINT NAME: Jeany Barker
 SIGNATURE: Jeany Barker
 DATE: 5/1/11

12 CONTAINERS: 13 TOTAL QUANTITY: 14 UNIT: 15 SK DOT NUMBER: 850

CHANGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT RECEIVED SECTION. SEE ADDITIONAL TERMS AND CONDITIONS ON REVERSE SIDE AND MADE A PART HEREOF.

TOTAL DUE: 625.90

AMOUNT \$: 625.90

PREVIOUS CARD NO: 1627

CREDIT CARD NO: 1627

AMEX VISA MC

EXP DATE

IN THE EVENT OF AN EMERGENCY CALL 1-800-466-1760 (24 hours)



GENERATOR USED OIL CERTIFICATION/INDEMNIFICATION

Generator Information

Date 5 26 98

Company US Army Research Station
 Address 1002 W. E. Myers
 City Field State IL Zip 62837
 S-K Customer No 506071
 S-K Oil Services Sales Rep 506071
 S-K Branch No _____

Used Oil Certification (check appropriate box)

- Used oils generated at this facility originate only from automobile sources. Automobile sources include, but are not limited to, commercial service stations, oil change stations and truck / automobile fleet maintenance
- This facility generates (check appropriate box)
 - 1001 gal / quarter
 - 1000 gal / quarter
- Used oils generated at this facility may include oils from sources other than automobile including, but not limited to, industrial lubricating oils cutting oils, or gear oils.

Hazardous Waste Certification (check appropriate box)

- This facility generates less than 100 kg of hazardous waste in a calendar month (approximately 27 gallons), and is classified as a CESQG.
- This facility generates between 100 kg and 1000 kg of hazardous waste in a calendar month (approximately 27 to 270 gallons), and is classified as a SQG.
- This facility generates more than 1000 kg of hazardous waste in a calendar month (approximately 270 gallons), and is classified as a LQG.
- This facility has available on-site the equipment / services necessary to properly segregate all waste streams generated at the facility, and ensure that RCRA hazardous wastes are not mixed into the used oils.

Total Chlorine Analysis

- Analysis Not Required
 - Automotive Oil Only / CESQG
 - Automotive Oil Only and segregates the oil from all hazardous wastes.
- Analysis Required (Complete information at right)

Industrial Oil:

Date of Preshipment _____
 Approval: _____
 Chlorine Test: _____
 (must be performed at the time of each service to ensure the oil matches the preshipment analysis)

Automotive Oil:

Chlorine: _____ ▶ 1000 ppm
 (if ▶ 1000 ppm, a sample must be sent to the Tech Center for rebuttal)

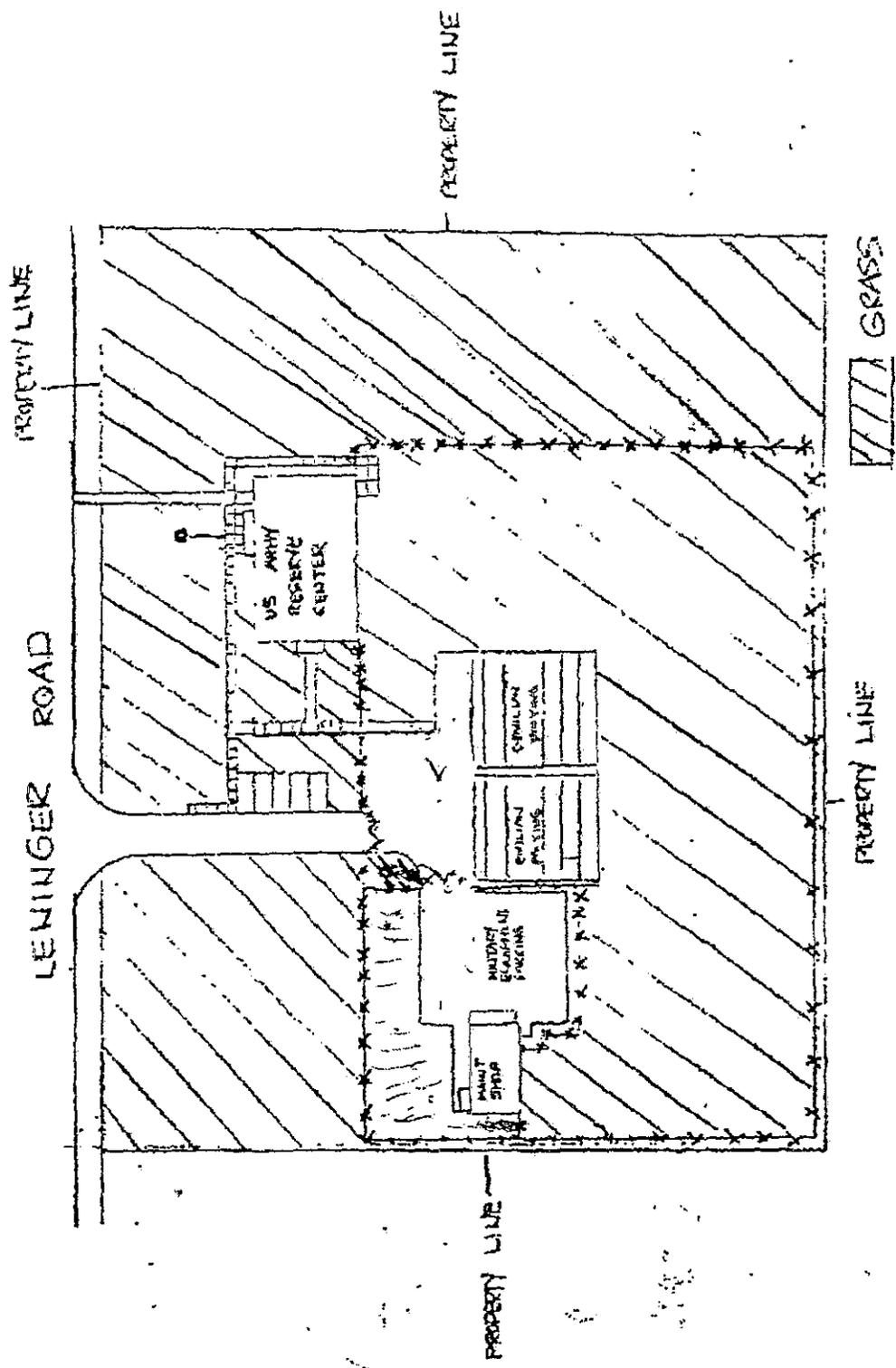
Generator hereby certifies that the information provided above is true and correct. Generator also certifies that the used oils supplied to Safety-Kleen or its subsidiary will not be mixed, combined, or otherwise blended in any quantity with materials containing polychlorinated biphenyls (PCBs), halogenated solvents, or any other material defined as hazardous waste under 40 CFR Part 261 or applicable State regulations. Generator agrees to indemnify and hold Safety-Kleen or its subsidiary harmless for any damages, costs, attorneys and experts fees, arising out of or in any way related to a breach of any of the above certifications by Generator.

By: Timothy J. Gendron
 (Print Customer's Name)
 Signature: [Signature]
 (Title) _____

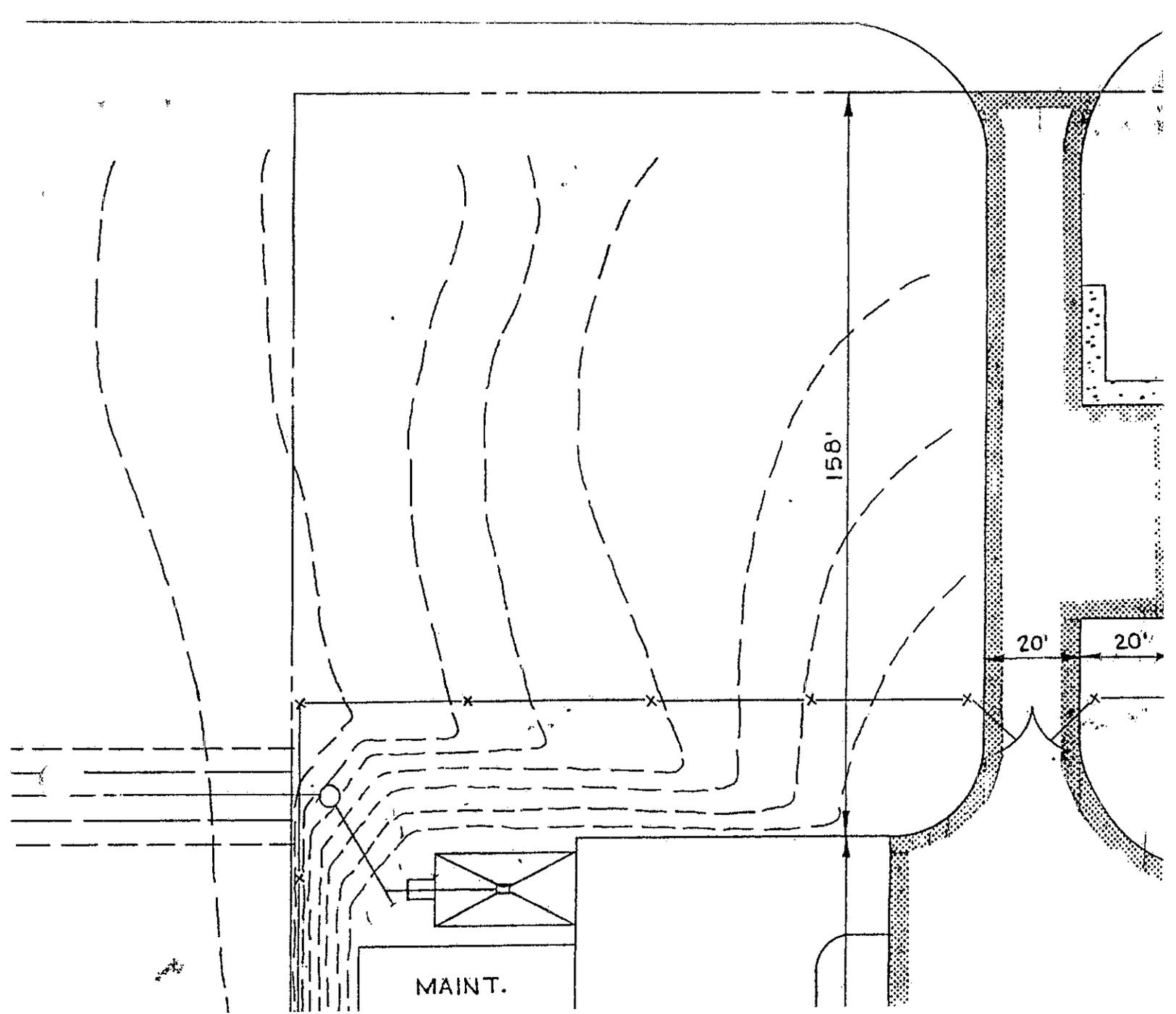
Safety-Kleen®
 SAFETY-KLEEN CORP
 1000 North Randall Road
 Elgin, Illinois 60123

APPENDIX C

ENGINEERING DRAWINGS



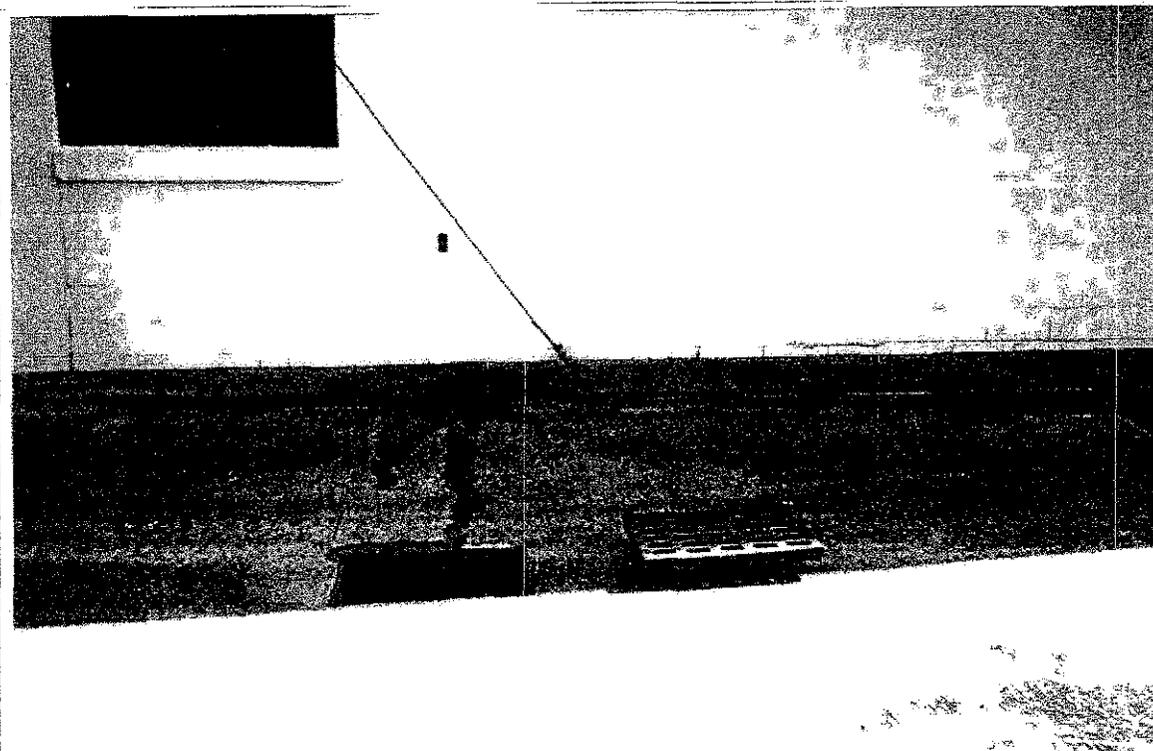
NOT TO SCALE
 US ARMY RESERVE CENTER
 FAIRFIELD, IL



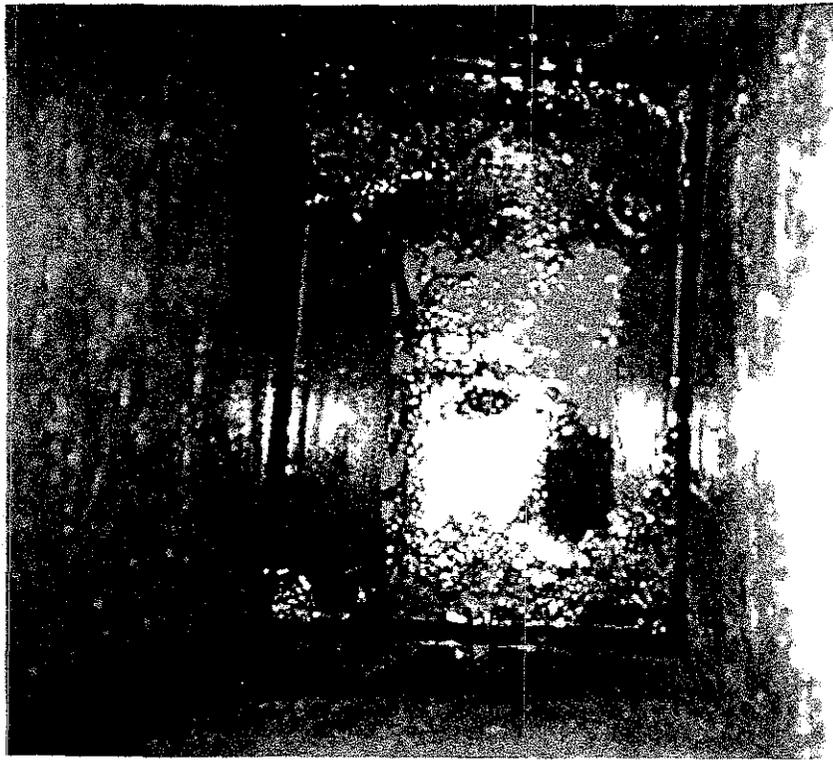
APPENDIX D
PHOTOGRAPHS



1. SHOWS THE OWS AND WASH RACK ON THE NORTH SIDE OF THE OMS BUILDING. THIS VIEW IS LOOKING EAST-NORTHEAST.



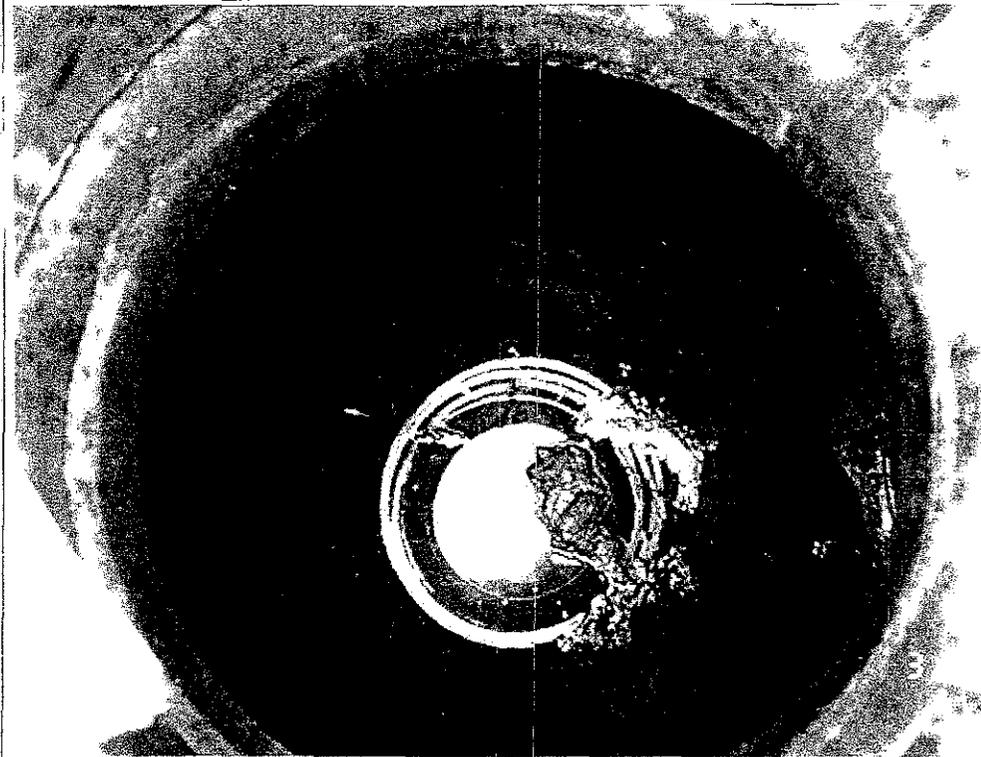
2. SHOWS THE CATCH BASIN AND GRATE FOR THE WASH RACK. THIS VIEW IS LOOKING SOUTH.



3. SHOWS THE CATCH BASIN FOR THE WASH RACK
AFTER PUMPING.



4. SHOWS THE MANHOLE TO THE OWS. THE MANHOLE DOWN
THE BANK IS THE SANITARY SEWER MANHOLE.



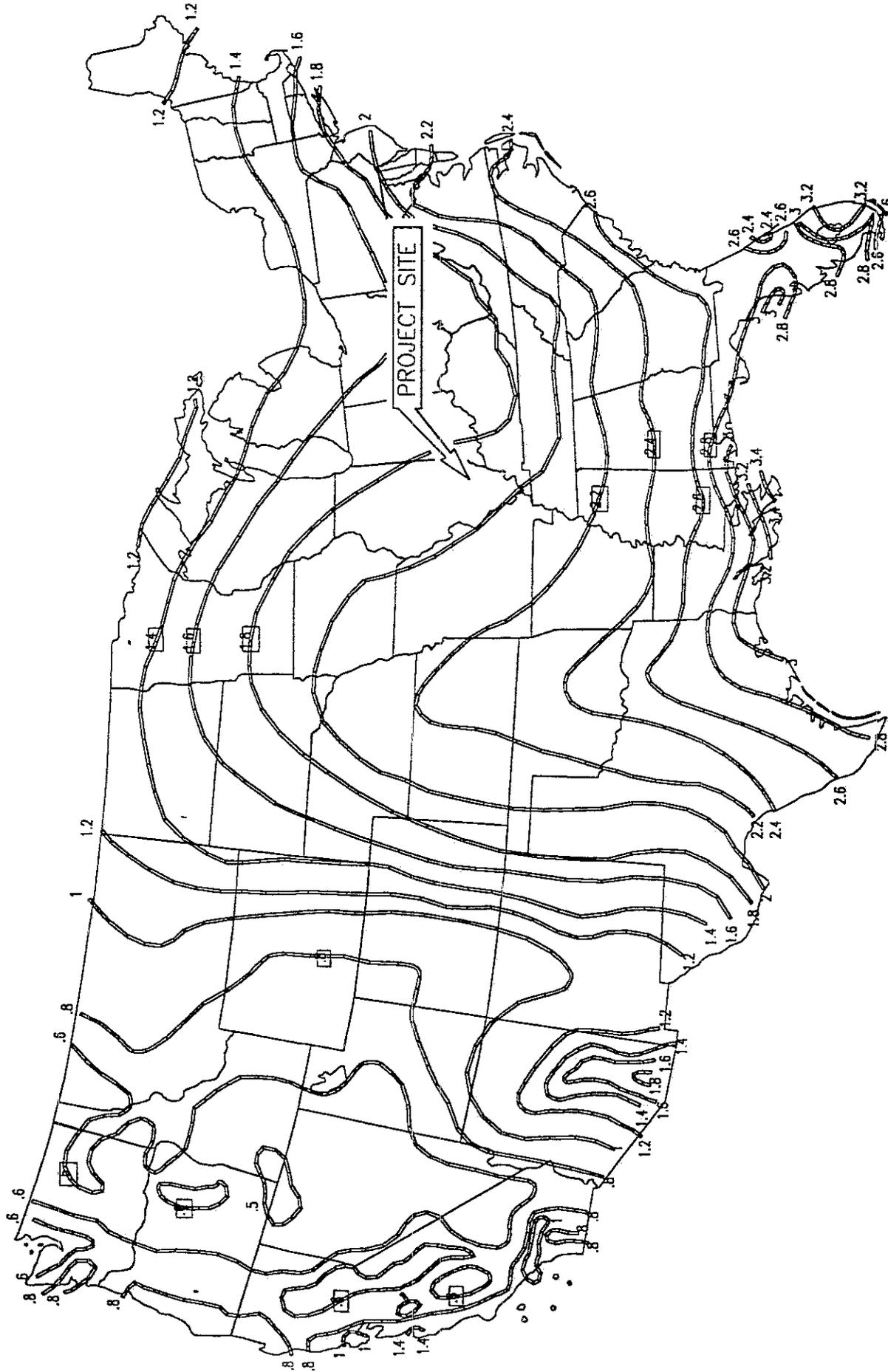
5. SHOWS THE OIL/WATER SEPARATOR AFTER PUMPING.



6. SHOWS THE SANITARY SEWER MANHOLE AND THE
CLEANOUT TO THE OWS DISCHARGE LINE.

APPENDIX E

RAINFALL MAP



**Title V Determinations
Illinois USARC Facilities**

IL 026 (FAIRFIELD, IL)

(Telephone Surveys)

Illinois USARC Facilities

Prepared for:

Fort McCoy
Environmental Management Division
2160 South J Street
Fort McCoy, Wisconsin 54656-5162

Prepared by:

WW Engineering & Science
5555 Glenwood Hills Parkway SE
Grand Rapids, Michigan 49588-0874

November 1995

91119

Prepared by:

Brandon Mieras *mec*
Brandon Mieras, Air Engineer
Air Quality Services

Reviewed by:

Amy L. Dean
Amy L. Dean, Project Scientist
Air Quality Services

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TABLES

1	Phone Emission Survey for Illinois USARC Facilities
2	Applicable AP-42 Emission Factors
3	Potential Lead Emissions from Firing Ranges
4	Potential Emissions for Illinois Phone Survey Facilities
5	Estimated Actual Emissions for Illinois Phone Survey Facilities
6	Estimated Actual Pb Emissions from Firing Ranges

Appendix

Letters to USARCs

EXECUTIVE SUMMARY

WW Engineering & Science, Inc. (WWES) was retained to determine the air emission status of selected US Army Reserve Centers (USARCs) located within the state of Illinois. The USARCs included in this phone survey were identified by Fort McCoy. An air emissions inventory, including emission calculations, was required to determine the emission status. The determination of emission status for each facility was carried out in two phases, as described in Sections 1.0 and 2.0 of this document.

Based upon information supplied by the individual facilities, WWES has concluded that no USARCs included in the phone survey project are required to obtain either a Title V operating permit under Illinois' Clean Air Act Permit Program (CAAPP) or a Federally Enforceable State Operating Permit. Additionally, it appears as though no state air permits are required. It is WWES' opinion that the firing ranges located at the various facilities may potentially require state air permits. However, according to Mr. Bob Bernoteit of Illinois Environmental Protection Agency (IEPA), firing ranges are not considered emission sources, and, therefore, do not require state air permits. This issue is being further pursued.

1.0 PHASE I

Phase I consisted of emission inventory surveys of each facility. These surveys were conducted through telephone communication between WWES representatives, Gail Walker and Wendi DenOuden, and, in general, the facility manager at each USARC. The surveys consisted of general questions identifying significant and applicable emission sources and activities at each facility, identifying unusual facility situations, and notifying appropriate Army personnel.

As instructed by Ft. McCoy Environmental Protection Specialist, Ms. Susan Herzog-Blumer, the following facilities and personnel were contacted for the survey:

- PFC R. Gantner USARC, Bellville, Illinois--Facility Manager Mr. Ted Mosier and Mr. Dave Jennings;
- Bloomington USARC, Bloomington, Illinois--Facility Manager Sgt. Hallendorf, Sgt. Caldwell, and Mr. Dave Jennings;
- Copples USARC, Centralia, Illinois--Facility Manager Mr. Robert Smith and Mr. Dave Jennings;

- North Park USARC, Chicago, Illinois--Facility Manager Mr. Roy McRae and Mr. Gary Cox;
- Chapman USARC, Danville, Illinois--Facility Manager Mr. Bill Battle and Mr. Dave Jennings;
- Dexter USARC, Decatur, Illinois--Facility Manager Mr. Arthur Demps and Mr. Dave Jennings;
- Modrow USARC, East St. Louis, Illinois--Unit Administrator Mr. Harry Henderson, Facility Engineer Mr. Jim Jones, Facility Engineer Mr. Mark Golav, and Mr. Dave Jennings;
- Joliet LTA Tank Maintenance Bldg., Elwood, Illinois--Facility Manager Mr. Fred Miley, PSYOP Battalion Unit Administrator 1st Sgt. Kevin Greene, and Mr. Gary Cox;
- Walton USARC, Fairfield, Illinois--Facility Manager Charlie Vaughn, Unit Administrator Billie Penland, and Mr. Dave Jennings;
- Forest Park AFRC, Forest Park, Illinois--Facility Manager Mr. Doug Bixler and Mr. Dave Jennings;
- Glenview (Hangar 1) USAR, 1Lt Harold Goettler USARC, ASF 26, Glenview, Illinois--Commanding Officer SFC Finsen, Facility Manager Mr. Anthony Hannel, Mr. Dave Jennings, and Ms. Susan Herzog-Blumer;
- Granite City USARC, Granite City, Illinois--Unit Trainer Sgt. Caudell, Mr. Dave Jennings, and Ms. Susan Herzog-Blumer;
- Zega Bros. USARC, Harvey, Illinois--Facility Manager Ms. Angela Rhodehouse and Mr. Gary Cox;
- Vietnam Veterans Memorial, Homewood, Illinois--Facility Manager Mr. Norm Richter and Mr. Gary Cox;
- Louis Joliet AFRC, Joliet, Illinois--Facility Manager Mr. Mike Mulligan and Mr. Gary Cox;
- Joliet USARC, Joliet, Illinois--Facility Manager Mr. Nathan Carroll and Mr. Gary Cox;
- Stefanich USARC, Stefanich AFRC, Kankakee, Illinois--Facility Manager Mr. Ben Gerdes;
- Wilson USARC, Marion, Illinois--Facility Manager Mr. Charlie Vaughn and Mr. Dave Jennings;

- Veterans Memorial USARC, Peru, Illinois--Facility Manager Mr Frank Suarez and Mr Gary Cox;
- Lincoln-Douglas USARC, Quincy, Illinois--Facility Manager Mr. Wilbur Knotts and Mr Dave Jennings;
- Fort Dearborn USARC, Rosemont, Illinois--Ms. Julie Hallman and Mr Gary Cox ;
- Savanna Army Depot USARC, Savanna, Illinois--Facility Manager Ms. Barbara Homan, Safety Manager Ms. Bridget Cottral, Environmental Manager Mr. John Clark, Mr. Dave Jennings, and Ms. Susan Herzog-Blumer;
- ASF #44, Scott AFB, Illinois--Facility Manager Ms. Cherie Toebben, Mr Dave Jennings, and Ms. Susan Herzog-Blumer;
- O'Donnell USARC, Springfield, Illinois--Facility Manager MSG Park and Mr Dave Jennings;
- Stephens USARC, Urbana, Illinois--Facility Manager Mr Paul Reynolds and Mr. Dave Jennings;
- Waukegan AFRC, Waukegan, Illinois--Facility Manager Mr. Mike Tortorici, Sgt. 1st Class Southern, and Mr Gary Cox; and
- 1Lt. Albert J. Ellison USARC, Wood River, Illinois--Facility Manager Mr. Gary Miller and Mr. Dave Jennings.

Mr Dave Jennings is the Environmental Manager for all USARCs under the 86th and 88th Command located in the state of Illinois. Mr. Jennings assisted with providing additional information regarding facility activities, combustion source ratings, and facility contact personnel. Mr. Gary Cox, the Maintenance Supervisor at the Schulstad USARC in Arlington Heights, Illinois, provided combustion source ratings for various sources located at the Illinois USARC facilities. Mr. Jennings and/or Mr. Cox were contacted concerning combustion source (boilers, water heaters, generators, etc.) rating information in instances where this information was not readily available from Army personnel at the USARC facilities.

Based on information resulting from the survey, WWES determined that the three Glenview Facilities, Granite City USARC, Savanna Army Depot USARC, and the ASF #44 at Scott AFB presented difficulty in identifying emission units, operations, and activities associated with the Army Reserves at each facility. It is WWES' understanding that, in each case, the Army Reserves lease only a small portion of the entire facility for their operations. Obtaining information relevant only to *Army Reserve* operations was nearly impossible. Consequently,

additional guidance was sought from Mr. Jennings and Ms. Herzog-Blumer. WWES was instructed to remove the four above-mentioned facilities from the initial list of USARCs requiring the emission inventory. The removal was due to either closure of a facility or the involvement of another contracted firm, therefore, making it unnecessary for WWES to pursue the matter further. *The remaining facilities will hereafter be referred to as the modified list.* The remaining facilities' associated emission units, activities, and operations were identified and applicable emission rates calculated for each. This information can be found in Section 2.0.

Upon the completion of each survey and subsequent emission calculations, a letter was sent to each facility manager summarizing the results, applicable requirements, and the status of each particular site. Copies of each letter have been included in this report as Appendix A.

2.0 PHASE II

Phase II consisted of developing facility descriptions, calculating potential and estimated actual emissions, determining emission status, and investigating any associated permitting requirements pertaining to each facility.

2.1 FACILITY DESCRIPTIONS

The facilities in the modified list are used primarily for administrative activities and reserve officer training. Some "very minor" vehicle maintenance is performed at the majority of the facilities. "Very minor" vehicle maintenance was described by Army Reserve personnel as being "mainly parts replacement with possible, but infrequent, oil changes". Based on information gathered from the Phase I survey, none of the facilities on the list were determined to be either Operation Maintenance Support (OMS) or Area Maintenance Support Activities (AMSA). Both OMS and AMSA facilities provide significantly more maintenance services than any of the facilities which are the subjects of the telephone survey. There are ten facilities on this modified list at which a firing range is either currently in operation or has the potential to be operated. A summary list of possible emission sources identified at each location during Phase I are provided in Table 1.

2.2 GENERAL PERMITTING REQUIREMENTS

Potential emissions from combustion sources and firing ranges were calculated for each facility in the modified list. All other possible emission sources were determined to be fugitive in nature and, therefore, emissions were not calculated for these units, operations, or

activities. Although fugitive emissions of Hazardous Air Pollutants (HAPs) are required to be included in facility potential emission totals, WWES did not quantify and include these in the emission inventory. (Possible sources of fugitive HAP emissions at these facilities may include janitorial cleaning and the very minor vehicle maintenance.) Fugitive HAP emissions from these facilities are assumed to be negligible (based upon emission quantifications performed for larger facilities) and inclusion of these HAPs in the facility totals is not expected to affect the source emission status.

As defined in the Clean Air Act Amendments of 1990 (CAAA) and the Illinois CAAPP, potential emissions from an emission source must be based upon *continual operation* of the source (8,760 hours per year) at its *maximum rated capacity* unless federally enforceable conditions are accepted to limit operation. This is true even for a source that may be operated only a few times a year or not operated at all. This approach was followed for all point sources (combustion and firing range sources) at each facility. Once potential emissions were calculated for sources at each facility, the emissions of the various criteria pollutants and HAPs were totaled. A facility is classified as a major source and subject to Title V permitting requirements under the CAAPP if the *potential* emissions exceed any one of the major source thresholds. The major source thresholds are as follows, with information in brackets representing nonattainment area thresholds:

- 100 tons per year (tpy) of nitrogen oxides (NO_x) [25 tpy (IEPA is currently petitioning US EPA to have this increased to 100 tpy)],
- 100 tpy of volatile organic material (VOM) [25 tpy];
- 100 tpy of carbon monoxide (CO);
- 100 tpy of sulfur dioxide (SO₂);
- 100 tpy of particulate matter that is less than or equal to 10 microns in diameter (PM-10); and
- 10 tpy of a single HAP or 25 tpy of cumulative HAPs.

The following facilities (along with the respective county in which they are located) are classified as being in nonattainment areas:

- North Park USARC--Cook County
- Joliet LTA Tank Maintenance Building--Will County
- Forest Park AFRC--Cook County
- Zega Bros. USARC--Cook County

- Vietnam Veterans Memorial--Cook County
- Louis Joliet AFRC--Will County
- Joliet USARC--Will County
- Fort Dearborn USARC--Cook County
- Waukegan USARC--Lake County

2.3 DETERMINATION OF SOURCE EMISSION STATUS

2.3.1 DETERMINATION OF POTENTIAL-TO-EMIT

2.3.1.1 Combustion Sources

All combustion sources (such as boilers, furnaces, water heaters, etc.) were considered point sources of emissions. Potential to emit (PTE) calculations were made for all combustion sources for NO_x, VOM, CO, SO₂, and PM-10 based on emission factors obtained from US EPA's *Compilation of Air Pollution Emission Factors* (AP-42). These emission factors are included as Table 2. (For the purposes of estimating PM-10 emissions, it was conservatively assumed that 100% of all particulate emissions are PM-10.) Assumptions were made regarding source input ratings in instances where information was not available through Army Reserve personnel. In cases where the input rating was unavailable, it was assumed that a source's input rating was equivalent to the maximum input rating found at other USARC facilities for similar sources. This approach resulted in conservative emission estimates for combustion sources with unknown ratings. All PTE calculations for combustion sources were based on maximum operating capacity and 8,760 hours of operation per year.

2.3.1.2 Firing Ranges

Although it appears as though IEPA does not consider firing ranges to be sources of emissions, WWES did include these firing ranges in the emission inventory. (Refer to Section 2.5 for further information on this IEPA policy and WWES's position.)

Potential lead (Pb) emission calculations were made for all potentially usable firing ranges based on emission factors obtained from AP-42. All PTE calculations were based on 8,760 hours of operation. According to ARCOM personnel, the average number of firing stations available per range is five. The five-station average was used in calculating emissions from the firing ranges. This approach resulted in conservative emission estimates for firing range

sources. See Table 3 for more information regarding firing range potential emission calculations.

2.3.1.3 Potential Emission Totals and Source Status

Facility totals for the potential emissions are located in Table 4. As can be seen from these totals, potential emissions for all facilities are below major source thresholds for all pollutants.

The paint spray guns that are located at some of the facilities have not been included in the potential emission calculations, since these facilities are not set up to use the spray guns. (It is WWES's understanding that these spray guns have never been used.) *WWES recommends that these spray guns be removed from the facilities.*

2.3.2 DETERMINATION OF ESTIMATED ACTUAL EMISSIONS

2.3.2.1 Combustion Sources

Estimated actual NO_x, VOM, CO, SO₂, and PM-10 emissions were calculated for all natural gas-fired combustion sources. WWES estimated the combustion sources to operate eight out of twelve months per year and at 75% capacity. In addition, AP-42 emission factors were used to estimate the actual emissions. See Table 5 for these calculations.

2.3.2.2 Firing Ranges

Estimated actual Pb emissions were calculated for all firing ranges currently in use. These emissions were based upon an operating schedule of six hours per day, four days per month, twelve months per year resulting in a total of 288 hours per year. This estimated operating schedule was provided by Army Reserve personnel. AP-42 emission factors were used to estimate the actual emissions. A firing range with five stations was used as a conservative estimate for calculating these emissions. See Table 6 for these calculations.

2.3.2.3 Estimated Actual Emission Totals and Source Status

Facility totals for the estimated actual emissions can be found in Table 5. As can be seen from these totals, the estimated actual emissions are well below all major source thresholds.

2.4 TITLE V PERMITTING STRATEGY FOR FACILITY

2.4.1 TYPE OF PERMIT REQUIRED

As shown in Sections 3.3.1.3 and 3.32.3, all listed facilities have potential and estimated actual emissions below all major source thresholds. Based on potential emission calculations, WWES determined that not one facility on the modified list can be classified as a major source. Therefore, the facilities are not subject to Title V permitting requirements under the CAAPP. Furthermore, since potential emissions are below major source thresholds, there is no need to obtain a FESOP to restrict potential emissions below these thresholds.

2.4.2 CURRENT REQUIREMENTS

At a minimum, the facilities should maintain accurate fuel consumption and material usage records on a monthly and annual basis. It is not expected that the facilities will be required to track hours of operation, but recording this information may be useful.

Even though some of the facilities possess paint spray guns in the maintenance and storage buildings, they were not included in the potential emission calculations (the facilities are not set up for use of these guns and they have never been used). *It is WWES' recommendation that the spray guns be removed from the sites.*

2.4.3 FUTURE REQUIREMENTS

Prior to any significant modifications to existing sources or addition of new sources (including increases in maintenance operations), it should be determined if a facility's emission status would be changed and if any possible permitting requirements are associated with these changes. (Modifications or additions of new equipment may also require construction and operation permitting at the state level.) Modifications and/or new permits should be applied for and obtained from IEPA before making changes at any facility.

2.5 STATE PERMITTING REQUIREMENTS

It appears as though none of the facilities is subject to state permitting requirements. The only exception to this, however, *may* be the facilities with firing ranges. IEPA does not currently require permits for firing ranges because they are not considered emission sources according to Mr. Bernoteit of IEPA. WWES is further pursuing this issue during the application review period for another base, which is not part of this telephone emission inventory project.

Table 1
Phone Emission Survey for Illinois USARC Facilities

Facility Name	Facility Location	Natural Gas Heat	A/C	Water Heater	Heavy Equipment	Painting	Chemical Storage	Firing Range	Welding	Generator	Parts Washer	Metal Works	Misc.
PFC R. Gantner	Belleville	1.6 MMBtu/hr	yes	yes	trucks	brush	vehicle/paint		yes	3 @ 3kw	yes		
Bloomington	Bloomington	1.1 MMBtu/hr	yes	yes	trucks	brush	paint	usable [2]		3 kw			
North Park	Bryn Mawr	1.5 MMBtu/hr	yes	yes	trucks	brush	vehicle		yes	1.5-3kw			
Copple	Centralia	3.0 MMBtu/hr	yes	yes									
Chapman	Danville	2.1 MMBtu/hr	yes	yes		brush	vehicle	usable [2]		1-5kw			
Dexter	Decatur	1.9 MMBtu/hr	yes	yes		brush	yes			3kw			
Modrow	E. St. Louis	2.0 MMBtu/hr	yes	yes		brush	vehicle/paint			3-10 kw			
Walton	Fairfield	0.6 MMBtu/hr	yes	yes	trucks	brush	vehicle						
Forest Park	Forest Park	8.4 MMBtu/hr	yes	yes	trucks	brush				<10 kw			
Zega Bros.	Harvey	1.5 MMBtu/hr	yes	yes	yes	brush	vehicle	usable [3]	yes	1.5-15 kw	yes		
Vietnam Vet. Mem.	Homewood	3.3 MMBtu/hr	yes	yes	trucks	brush	vehicle			3-15 kw			
Joliet LTA [5]	Elwood	<10 MMBtu/hr	yes	yes									
Joliet USARC	Joliet	Electric	yes	yes	trucks	brush	vehicle		yes	yes	yes		
Joliet AFRC	Joliet	7.6 MMBtu/hr	yes	yes		brush	vehicle	usable [3]	yes	yes			
Stefanich	Kankakee	<10 MMBtu/hr	yes	yes	yes	brush [1]	vehicle/paint	usable [3]	yes		on order	ordered	UST
Wilson	Marion	1.6 MMBtu/hr	yes	yes	trucks	brush	paint	in use		5kw			
Veterans Mem.	Peru	2.2 MMBtu/hr	yes	yes		brush	vehicle	usable [2]					
Lincoln-Douglas	Quincy	2.1 MMBtu/hr	yes	yes			vehicle						
Ft. Dearborn	Rosemont	1.8 MMBtu/hr	yes	yes	trucks		vehicle	usable [3]		3-5kw			
O'Donnell	Springfield	1.6 MMBtu/hr	yes	yes	trucks	brush [1]	vehicle/paint	in use		3-5kw	yes		
Stephens [6]	Urbana	0.9 MMBtu/hr	yes	elec	trucks	brush	vehicle/paint	in use	yes	comb. eng	yes	grinding	Oil UST
		0.2 MMBtu/hr											
Waukeegan	Waukeegan	2.4 MMBtu/hr	yes	yes		brush	paint						
LL A.J. Ellison	Wood River	3.3 MMBtu/hr	yes	yes	trucks	brush [1]	vehicle/paint		yes	5-60 kw	yes	degrease	dryers[4]

[1] This facility has a spray gun as part of a tool set, however, the facility does not have the capability to use it.

[2] The firing range is usable; however, it is closed pending OSHA approval.

[3] The firing range is usable, but it is not currently in use. The facility is used for storage.

[4] These are for drying clothing.

[5] The PSYOP Battalion from Arlington Heights will be moving here. At the time of the survey, no operations were being performed here.

[6] This facility utilizes a No. 1 Fuel Oil boiler for comfort heating.

Table 2
Applicable AP-42 Emission Factors

Source	Rating	CO	NOx	PM	SO2	VOC	Units	Source
Natural Gas Combustion	0.3-10 MMBtu/hr	21 lb/MMcf	100 lb/MMcf	12 lb/MMcf	0.6 lb/MMcf	8 lb/MMcf		AP-42 Table 1.4-2, 1/95
No. 1 Fuel Oil Combustion	Commercial	5 lb/10 ³ gal	20 lb/10 ³ gal	2 lb/10 ³ gal	0.26 lb/10 ³ gal	0.2 lb/MMcf		AP-42 Table 1.3-2, 1/95

Source	Rating	Pb	Units	Source
Explosives Detonation-Small Arms	Not Applicable	>6 mg/158 gr		AP-42 Table 13.3-1

**Table 3
Potential Lead Emissions From Firing Ranges**

No. of Stations	Maximum Usage[1] (rounds/yr)	Maximum Possible Lead Content (mg/round)	Maximum Possible Lead Emissions (lbs/yr)	% of Lead Emitted [3] (%)	Lead Emissions (tpy)
1	7.88E+06	6	104	50%	0.03
2	1.58E+07	6	209	50%	0.05
3	2.37E+07	6	313	50%	0.08
4	3.15E+07	6	417	50%	0.10
5	3.94E+07	6	521	50%	0.13

- [1] A firing rate of 30 rounds per minute was provided by USARCOM personnel. Usage information was estimated assuming that for every minute of firing time used, an equal minute would be used for reloading the gun. Therefore, 50% of an hour is used for reloading. Potential range usage was estimated to be 24 hours/day, 365 days/year = 8760 hr/year.
- [2] Based on information provided by ARCOM personnel, the caliber ratings of guns used in the firing range are 0.22, 0.45, and 9mm. Average grain weight for each caliber type are as follows:
0.22 = 35 grains, 0.45 = 150 grains, 9mm = 120 grains
To determine the maximum lead content per bullet type, the 0.45 rating was used as a conservative estimate. Information regarding lead content in small arms was found in AP-42, Table 13.3-1. It is suggested that > 6 mg of lead can be found in a 158 grain projectile. A lead content of 6 mg was estimated for the 0.45 caliber bullet used in the calculation of lead emissions from firing ranges.
- [3] It has been assumed that 50% of the lead emissions remain in the confines of the range. The other 50% are conservatively assumed to have escaped through the filtration and ventilation system.

Table 4
Potential Emissions for Illinois Phone Survey Facilities

Location	Total Source Input Rating (MMBtu/hr)	Potential Emissions (tpy)					
		CO	NOx	PM	SO2	VOM	HAP[4]
Belleville	1.64	0.14	0.68	0.08	0.00	0.05	
Bloomington	1.13	0.10	0.47	0.06	0.00	0.04	0.43
Centralia	2.96	0.26	1.24	0.15	0.01	0.10	
Bryn Mawr [1]	1.50	0.13	0.63	0.08	0.00	0.05	
Danville	2.12	0.19	0.88	0.11	0.01	0.07	0.43
Decatur	1.93	0.17	0.80	0.10	0.00	0.06	
E. St.Louis	2.03	0.18	0.85	0.10	0.01	0.07	
Fairfield	0.64	0.06	0.27	0.03	0.00	0.02	
Forest Park	8.37	0.73	3.49	0.42	0.02	0.28	
Harvey [1]	1.45	0.13	0.60	0.07	0.00	0.05	0.43
Homewood [1]	3.33	0.29	1.39	0.17	0.01	0.11	
JolietMcD St. [1]	7.58	0.66	3.16	0.38	0.02	0.25	0.43
Joliet LTA [2]	10.00	0.88	4.17	0.50	0.03	0.33	
Kankakee [2]	10.00	0.88	4.17	0.50	0.03	0.33	0.43
Marion	1.56	0.14	0.65	0.08	0.00	0.05	0.43
Peru [1]	2.13	0.19	0.89	0.11	0.01	0.07	0.43
Quincy	2.14	0.19	0.89	0.11	0.01	0.07	
Rosemont [1]	1.84	0.16	0.77	0.09	0.00	0.06	0.43
Springfield	1.57	0.14	0.66	0.08	0.00	0.05	0.43
Urbana [3]	0.90	0.14	0.56	0.06	0.01	0.01	0.43
Urbana	0.16	0.01	0.07	0.01	0.00	0.01	
Waukeegan [1]	2.40	0.21	1.00	0.12	0.01	0.08	
Wood River	1.81	0.16	0.75	0.09	0.00	0.06	

- [1] The heat source input ratings were conservatively determined by increasing the output ratings provided by ARCOM Engineering personnel at Arlington Heights) by 25%.
- [2] Heat source input ratings were not available for this facility. The total rating for the facility was conservatively estimated to be 10.0 MMBtu/hr.
- [3] The fuel used for this boiler is No. 1 Fuel Oil.
- [4] HAPs were determined from lead emissions from the firing ranges located at these facilities.

Table 5
Estimated Actual Emissions for Illinois Phone Survey Facilities

Location	Total Source Input Rating (MMBtu/hr)	Estimated Actual Emissions (tpy)					
		CO	NOx	PM	SO2	VOM	HAP[4]
Belleville	1.64	0.07	0.34	0.04	0.00	0.03	
Bloomington	1.13	0.05	0.24	0.03	0.00	0.02	0.01
Centralia	2.96	0.13	0.62	0.07	0.00	0.05	
Bryn Mawr [1]	1.50	0.07	0.31	0.04	0.00	0.03	
Danville	2.12	0.09	0.44	0.05	0.00	0.04	0.01
Decatur	1.93	0.08	0.40	0.05	0.00	0.03	
E. St.Louis	2.03	0.09	0.42	0.05	0.00	0.03	
Fairfield	0.64	0.03	0.13	0.02	0.00	0.01	
Forest Park	8.37	0.37	1.75	0.21	0.01	0.14	
Harvey [1]	1.45	0.06	0.30	0.04	0.00	0.02	0.01
Homewood [1]	3.33	0.15	0.69	0.08	0.00	0.06	
JolietMcD St. [1]	7.58	0.33	1.58	0.19	0.01	0.13	0.01
Joliet LTA [2]	10.00	0.44	2.09	0.25	0.01	0.17	
Kankakee [2]	10.00	0.44	2.09	0.25	0.01	0.17	0.01
Marion	1.56	0.07	0.33	0.04	0.00	0.03	0.01
Peru [1]	2.13	0.09	0.44	0.05	0.00	0.04	0.01
Quincy	2.14	0.09	0.45	0.05	0.00	0.04	
Rosemont [1]	1.84	0.08	0.38	0.05	0.00	0.03	0.01
Springfield	1.57	0.07	0.33	0.04	0.00	0.03	0.01
Urbana [3]	0.90	0.07	0.28	0.03	0.00	0.00	0.01
Urbana	0.16	0.01	0.03	0.00	0.00	0.00	
Waukegan [1]	2.40	0.11	0.50	0.06	0.00	0.04	
Wood River	1.81	0.08	0.38	0.05	0.00	0.03	

- [1] The heat source input ratings were conservatively determined by increasing the output ratings (provided by ARCOM Engineering Personnel at Arlington Heights) by 25%.
- [2] Heat source input ratings were not available for this facility. The total rating for the facility was conservatively estimated to be <10 MMBtu/hr.
- [3] The fuel used for this boiler is #1 oil.
- [4] HAPs were determined from lead emissions from the firing ranges located at these facilities.

Table 6
Estimated Actual Pb Emissions From Firing Ranges

No. of Stations	Maximum Usage[1] (rounds/yr)	Maximum Possible Lead Content (mg/round)	Maximum Possible Lead Emissions (lbs/yr)	% of Lead Emitted (%)	Lead Emissions (tpy)
1	2.59E+05	6	3	50%	0.001
2	5.18E+05	6	7	50%	0.002
3	7.78E+05	6	10	50%	0.003
4	1.04E+06	6	14	50%	0.003
5	1.30E+06	6	17	50%	0.004

- [1] A firing rate of 30 rounds per minute was provided by USARCOM personnel. Usage information was estimated assuming that for every minute of firing time used, an equal minute would be used for reloading the gun. Therefore, 50% of an hour is used for reloading. Actual range usage was estimated to be 6hrs/day, 4 days/month, 12 months/yr = 288 hours/year.
- [2] Based on information provided by ARCOM personnel, the caliber ratings of guns used in the firing range are 0.22, 0.45, and 9mm. Average grain weight for each caliber type are as follows:
 0.22 = 35 grains, 0.45 = 150 grains, 9mm = 120 grains.
 To determine the max. lead content per bullet type, the 0.45 rating was used as a conservative estimate. Information regarding lead content in small arms was found in AP-42, Table 13.3-1.
 It is suggested that > 6 mg of lead can be found in a 158 grain projectile. A lead content of 6 mg was estimated for the 0.45 caliber bullet used in the calculation of lead emissions from firing ranges.
- [3] It has been assumed that 50% of the lead emissions remain in the confines of the range. The other 50% are conservatively assumed to have escaped through the filtration and ventilation system.



WW Engineering & Science
A Summit Company

November 6, 1995

Commander 88th Regional Support Command
Customer Support Team
ATTN: AFRC-CMN-EN-IL (Jennings)
7402 West Roosevelt Road
Forest Park, Illinois 60130-2587

Dear Mr. Jennings:

WW Engineering & Science, Inc. (WWES) was retained by Fort McCoy to assist Environmental Protection Specialists at Fort McCoy with the air emission inventories required of US Army Reserve Centers (USARC) located within the state of Illinois. An air emission inventory was necessary to determine whether the Walton USARC is required to obtain either a Title V operating permit under Illinois' Clean Air Act Program (CAAPP) or a Federally Enforceable State Operating Permit (FESOP). Additionally, the emission inventory was used to determine if any state air permits are required.

On March 22, and April 6, 1995, WWES representatives, Gail Walker and Wendi DenOuden, contacted the Walton USARC facility manager, Mr Charley Vaughn and the Unit Administrator, Billie Penland. These contacts were made via telephone calls. The telephone survey was conducted to determine the possible sources of air emissions existing at the Walton USARC.

It is WWES' understanding that the Walton USARC is a government-owned facility administered and controlled by the 88th Regional Support Command. The Walton USARC is located at 1002 W. Leninger Rd., Fairfield, IL 62837. The facility is comprised of two buildings. One building is being utilized for administrative and training activities, and the other for storage and maintenance activities. Based on the survey conducted, the following possible emission sources were identified:

- One-natural gas boiler with a 0.240 MMBtu/hr rating; and
- Two-natural gas heaters with a 0.200 MMBtu/hr rating each. (This information was provided by Mr. Dave Jennings, Environmental Manager of the 88th Regional Support Command, Forest Park, IL)

Commander 88th Regional Support Command
Mr. Jennings
November 6, 1995
Page 2

Additionally, several vehicles, minor vehicle repair activities, and a chemical storage area are located at this facility.

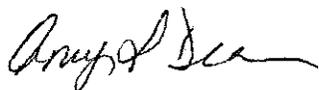
WWES has completed the emission inventory based upon information provided by the facility. Based upon the outcome of this study, it appears as though potential emissions are below applicable major source thresholds. Therefore, the Walton USARC is not required to obtain either a Title V operating permit or a FESOP. Additionally, it appears as though no state air permits are required.

Prior to any significant modifications to existing emission sources or addition of new sources, Walton USARC should determine how such changes may affect permitting requirements. Walton USARC should also maintain records of material and fuel usage.

Additional data regarding the emission inventory survey and emission calculations can be obtained from Ft. McCoy Environmental Protection Specialist, Ms. Susan Herzog-Blumer, at (608) 388-4791, or WWES Project Manager, Ms. Amy Dean, at (616) 940-4439.

Sincerely,

WW ENGINEERING & SCIENCE
Air Quality Services



Amy L. Dean
Project Air Quality Scientist

INSTALLATION SCREEN

*FFID: IL-2104IL026
*Installation Name: SSG R E WALTON USARC
Installation Category: R
MACOM: USARC

MUSARC:
BASOPS ARCOM: 88TH
Support Installation: FORT LEONARD WOOD
Facility / Activity Type: 1) 2) 3) 4) 5)

EPA Region: 5
Congressional District:
Address: 1002 W LEININGER RD

City: FAIRFIELD
State: IL
Country: USA
Zip Code: 62837-0219

IL026
Completed: 17 APR 97
Received: 14 JUN 97

ENGINEER SUPPORT GROUP NORTH

ASSESSMENT SCREEN

*Fiscal Year: 1997 *Assessment Date (MM/DD/YYYY): 04/17/1997
*Assessment Type: E
*Manual Used: T

Manual Supplement Used:

Local Manual (OCONUS: MACOM Specific Manual)

 Date (MM/YYYY): /

 Author:

 Title:

State Manual (OCONUS: Country Specific Manual)

 Date (MM/YYYY): /

 Author:

 State Postal Code or Country Code:

*Assessor Name: PEORIA FET, 416TH ENGINEERS
Point of Contact: MAJ KEN GOERING

Address: 6985 80TH AVE

City: AGENCY

State: IA

Zip Code: 52530-8066

Phone: (515)937-5451

For Contract ECAS

Contract Number:

Delivery Order Number:

Contracting Office:

ENGINEER SUPPORT GROUP NORTH

TABLE 1-1
SUMMARY OF FINDINGS

INSTALLATION: SSG R E WALTON USARC
FFID: IL-2104IL026

Fiscal Year: 1997

SECTION NO. TITLE	REGULATORY MANAGEMENT TOTAL						
	I	II	HS	POS	III	HS	TOTAL
A Air Emissions	0	0	0	0	0	0	0
C Cultural Resources	0	0	0	0	0	0	0
HM Hazardous Materials	1	0	1	0	1	0	3
HW Hazardous Waste	0	0	0	0	0	0	0
NR Natural Resource	0	0	0	0	0	0	0
O1 Environmental Impacts	0	0	0	0	0	0	0
O2 Environmental Noise	0	0	0	0	1	0	1
O3 IRP	0	0	0	0	0	0	0
O4 Pollution Prevention	0	0	0	0	0	0	0
O5 Program Management	0	0	0	0	0	0	0
PM Pesticide	0	0	0	0	0	0	0
PO POL	0	0	0	0	3	0	3
SO Solid Waste	0	0	0	0	0	0	0
ST Storage Tanks	0	0	0	1	0	0	1
T1 PCB	0	0	0	0	0	0	0
T2 Asbestos	0	0	0	0	0	0	0
T3 Radon	0	0	0	0	0	0	0
T4 Lead Based Paint	0	0	0	0	0	0	0
WA Wastewater	0	0	0	0	0	0	0
WQ Water Quality	0	0	0	0	0	0	0
TOTALS	1	0	1	1	5	0	8

Data File Name Prefix: C:\ECAS\IN_DATA\IL026

Date Summary Report Produced: 05/24/97

ENGINEER SUPPORT GROUP NORTH

Installation FFID: IL-2104IL026

Fiscal Year: 1997

*Finding ID: IL026_9703

*Host or Tenant: H

Tenant FFID: -

Tenant Category:

*Tenant Name:

Tenant MACOM/HQ:

MUSARC:

BASOPS ARCOM:

Facility/Activity Type: USARC(MB) - U.S. ARMY RESERVE CENTER - MAIN BLDG

*Manual Section Number: HM Hazardous Materials Management

*Law/Reg: OSHA

Finding Summary:

NO RECORDS OF HAZARDOUS MATERIAL TRAINING

Finding Description: No records of hazardous training within the past 2 years. Unit has only been on site for 30 days.

*Question Number: HM-050-012- *Regulatory Agency Level: F

*Criteria: Installation/CW facilities are required to maintain training records (49 CFR 172.704(d)).

Environmental Category:

Reason Code:

Finding Location: USAR CENTER

IFS Number:

*Finding Category: 01

*Positive/Negative Finding: N

*Regulatory/Mgt. Deficiency(R/M): R Repeat ECAS Finding(Y/N)?: N

Existing NOV(Y/N)?: N

Recurring NOV(Y/N)?: N

NOV Number:

Was the finding determined to be an immediate threat(Y/N): N

Suggested Corrective Action(s): Assure that facility manager receives hazardous material training. Unit has a low probability of any hazardous spills.

Root Cause Code:

Finding Comments: Unit has been on site for only 30 days.

Corrective Action Data - ECAR

Corrective Action Summary:

Corrective Action:

Corrective Action Type:

Estimated Cost \$ 0

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ENGINEER SUPPORT GROUP NORTH

Corrective Action Comments:

Installation Data - ICAP

1383 Project No.: Funding Year:
Status of Correction: Must Fund:
Unit/Activity:
Point of Contact:
Suspense Date (MM/DD/YYYY): / /
Actual Completion Date (MM/DD/YYYY): / /

ENGINEER SUPPORT GROUP NORTH

Installation FFID: IL-2104IL026

Fiscal Year: 1997

*Finding ID: IL026_9701

*Host or Tenant: H

Tenant FFID: - Tenant Category:

*Tenant Name:

Tenant MACOM/HQ:

MUSARC:

BASOPS ARCOM:

Facility/Activity Type: USARC(MB) - U.S. ARMY RESERVE CENTER - MAIN BLDG

*Manual Section Number: HM Hazardous Materials Management

*Law/Reg: OSHA

Finding Summary:

COORDINATE WITH LOCAL FIRE DEPARTMENT

Finding Description: Documentation for coordinating with the local fire department was not on file.

*Question Number: HM-001-003- R *Regulatory Agency Level: O

*Criteria: The facility should coordinate with the responding fire department concerning the types of hazardous chemicals used at the facility, the areas where they are used, what they are used for, and the quantities used in a given operation (MP).

Environmental Category: Reason Code:

Finding Location: UNIT FILES

IFS Number:

*Finding Category: 03 *Positive/Negative Finding: N

*Regulatory/Mgt. Deficiency(R/M): M Repeat ECAS Finding(Y/N)?: N

Existing NOV(Y/N)?: N Recurring NOV(Y/N)?: N

NOV Number:

Was the finding determined to be an immediate threat(Y/N): N

Suggested Corrective Action(s): Send letter to local fire department. Include a sketch of the site plan and building floor plan and an inventory list with locations of hazardous materials stored. If no hazardous materials are stored then so state in cover letter.

Root Cause Code:

Finding Comments: Unit has only been on site for 30 days and is in the process of getting required documentation together.

ENGINEER SUPPORT GROUP NORTH

Corrective Action Data - ECAR

Corrective Action Summary:

Corrective Action:

Corrective Action Type: Estimated Cost \$ 0

Corrective Action Comments:

Installation Data - ICAP

1383 Project No.: Funding Year:

Status of Correction: Must Fund:

Unit/Activity:

Point of Contact:

Suspense Date (MM/DD/YYYY): / /

Actual Completion Date (MM/DD/YYYY): / /

Installation FFID: IL-2104IL026 Fiscal Year: 1997

*Finding ID: IL026_9702

*Host or Tenant: H

Tenant FFID: - Tenant Category:

*Tenant Name:

Tenant MACOM/HQ:

MUSARC:

BASOPS ARCOM:

Facility/Activity Type: USARC(MB) - U.S. ARMY RESERVE CENTER - MAIN BLDG

*Manual Section Number: HM Hazardous Materials Management

*Law/Reg: OSHA

Finding Summary:

NO MATERIAL SAFETY DATA SHEET BOOK

Finding Description: Unit is opening reserve center and has not yet established a MSDS book. Breakfree, NSN 9150-01-079-6124; & LUB, NSN 9150-01-102-1473, and any other chemical products should be in a MSDS binder.

*Question Number: HM-001-002- *Regulatory Agency Level: F

*Criteria: Installations/CW facilities are required to have on file an MSDS for each hazardous chemical stored and used at the installation/CW facility (29 CFR 1910.1200(b)(3)(ii), 1910.1200(b)(4)(ii), 1910.1200(b)(6), 1910.1200(g)(1), and 1910.1200(g)(8)).

Environmental Category: Reason Code:

Finding Location: USAR CENTER

IFS Number:

*Finding Category: HS

*Positive/Negative Finding: N

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ENGINEER SUPPORT GROUP NORTH

*Regulatory/Mgt. Deficiency(R/M): R Repeat ECAS Finding(Y/N)?: N
Existing NOV(Y/N)?: N Recurring NOV(Y/N)?: N
NOV Number:

Was the finding determined to be an immediate threat(Y/N): N Suggested Corrective Action(s): Set up a binder with a material safety data sheet for each chemical product used. A useful tool is to have index sorted by name and by NSN's.

Root Cause Code:
Finding Comments: Unit has only been on site for 30 days.

Corrective Action Data - ECAR
Corrective Action Summary:

Corrective Action:

Corrective Action Type: Estimated Cost \$ 0
Corrective Action Comments:

Installation Data - ICAP
1383 Project No.: Funding Year:
Status of Correction: Must Fund:
Unit/Activity:
Point of Contact:
Suspense Date (MM/DD/YYYY): / /
Actual Completion Date (MM/DD/YYYY): / /
Installation FFID: IL-2104IL026 Fiscal Year: 1997

*Finding ID: IL026_9704
*Host or Tenant: H

Tenant FFID: - Tenant Category:
*Tenant Name:
Tenant MACOM/HQ:

MUSARC:
BASOPS ARCOM:

Facility/Activity Type: USARC(MB) - U.S. ARMY RESERVE CENTER - MAIN BLDG
*Manual Section Number: O2 Environmental Noise
*Law/Reg: NCA
Finding Summary:
NO ICUZ NOISE IMPACT STATEMENT.
Finding Description: Unit has only been on site for 30 days. Unit doesn't have a ICUZ nose statement.

ENGINEER SUPPORT GROUP NORTH

*Question Number: 02-001-003- R *Regulatory Agency Level: A *Criteria:
Facilities are required to conduct an ICUZ Study as a part of the ICUZ Program to
identify and control noise (AR 200-1, para 7-2c, 7-2d,
and 7-5a).

Environmental Category: NPLN Reason Code:

Finding Location: USAR CENTER

IFS Number:

*Finding Category: 03 *Positive/Negative Finding: N

*Regulatory/Mgt. Deficiency(R/M): M Repeat ECAS Finding(Y/N)?: N

Existing NOV(Y/N)?: N Recurring NOV(Y/N)?: N

NOV Number:

Was the finding determined to be an immediate threat(Y/N): N

Suggested Corrective Action(s): Prepare a negative noise impact statement and
establish a noise complaint log.

Root Cause Code:

Finding Comments: Unit has been on site for only 30 days.

Corrective Action Data - ECAR

Corrective Action Summary:

Corrective Action:

Corrective Action Type: Estimated Cost \$ 0

Corrective Action Comments:

Installation Data - ICAP

1383 Project No.: Funding Year:

Status of Correction: Must Fund:

Unit/Activity:

Point of Contact:

Suspense Date (MM/DD/YYYY): / /

Actual Completion Date (MM/DD/YYYY): / /

ENGINEER SUPPORT GROUP NORTH

Installation FFID: IL-2104IL026

Fiscal Year: 1997

*Finding ID: IL026_9705

*Host or Tenant: H

Tenant FFID: - Tenant Category:

*Tenant Name:

Tenant MACOM/HQ:

MUSARC:

BASOPS ARCOM:

Facility/Activity Type: USARC(MB) - U.S. ARMY RESERVE CENTER - MAIN BLDG

*Manual Section Number: PO Petroleum, Oils, and Lubricants (POL) Management

*Law/Reg: CWA

Finding Summary:

WATER COMPLAINT LOG NOT ACTIVATED.

Finding Description: Water complaint log was not completed in environmental binder.

*Question Number: PO-005-002- R *Regulatory Agency Level: A

*Criteria: Reserve facilities are required to review the SPCC Plan every 2 yr or when there is a change in facility design, construction, operation, or maintenance that affects the potential for spills of oils or hazardous substances (AR 200-1, para 8-4c(4)).

Environmental Category: SPCC Reason Code:

Finding Location: USAR CENTER

IFS Number:

*Finding Category: 03 *Positive/Negative Finding: N

*Regulatory/Mgt. Deficiency(R/M): M Repeat ECAS Finding(Y/N)?: N

Existing NOV(Y/N)?: N Recurring NOV(Y/N)?: N

NOV Number:

Was the finding determined to be an immediate threat(Y/N): N

Suggested Corrective Action(s): Establish water complaint log in environmental binder.

Assure staff is aware of procedure by signing and dating instruction sheet.

Root Cause Code:

Finding Comments: Unit has only been on site for 30 days.

Corrective Action Data - ECAR

Corrective Action Summary:

Corrective Action:

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Corrective Action Type: Estimated Cost \$ 0
Corrective Action Comments:

Installation Data - ICAP

1383 Project No.: Funding Year:
Status of Correction: Must Fund:
Unit/Activity:
Point of Contact:
Suspense Date (MM/DD/YYYY): / /
Actual Completion Date (MM/DD/YYYY): / /
Installation FFID: IL-2104IL026 Fiscal Year: 1997

*Finding ID: IL026_9706
*Host or Tenant: H

Tenant FFID: - Tenant Category:
*Tenant Name:
Tenant MACOM/HQ:

MUSARC:
BASOPS ARCOM:

Facility/Activity Type: USARC(MB) - U.S. ARMY RESERVE CENTER - MAIN BLDG
*Manual Section Number: PO Petroleum, Oils, and Lubricants (POL) Management
*Law/Reg: CWA

Finding Summary:

BE PREPARED FOR SPILL

Finding Description: Unit needs to prepare spill contingency plan. Provide phone number of local fire department for assistance. Unit did have spill kit.

*Question Number: PO-005-003- R *Regulatory Agency Level: A
*Criteria: The facility must have a spill contingency plan (ISCP) that addresses specific issues (AR 200-1, para 8-5a through 8-5c).

Environmental Category: SPCC Reason Code:

Finding Location: USAR CENTER

IFS Number:

*Finding Category: 03 *Positive/Negative Finding: N
*Regulatory/Mgt. Deficiency(R/M): M Repeat ECAS Finding(Y/N)?: N
Existing NOV(Y/N)?: N Recurring NOV(Y/N)?: N
NOV Number:

Was the finding determined to be an immediate threat(Y/N): N

ENGINEER SUPPORT GROUP NORTH

Suggested Corrective Action(s): Complete spill prevention procedures in environmental binder.

Root Cause Code:

Finding Comments: Unit has been on site for only 30 days.

Corrective Action Data - ECAR

Corrective Action Summary:

Corrective Action:

Corrective Action Type: Estimated Cost \$ 0

Corrective Action Comments:

Installation Data - ICAP

1383 Project No.: Funding Year:

Status of Correction: Must Fund:

Unit/Activity:

Point of Contact:

Suspense Date (MM/DD/YYYY): / /

Actual Completion Date (MM/DD/YYYY): / /

ENGINEER SUPPORT GROUP NORTH

Installation FFID: IL-2104IL026

Fiscal Year: 1997

*Finding ID: IL026_9707

*Host or Tenant: H

Tenant FFID: -

Tenant Category:

*Tenant Name:

Tenant MACOM/HQ:

MUSARC:

BASOPS ARCOM:

Facility/Activity Type: USARC(MB) - U.S. ARMY RESERVE CENTER - MAIN BLDG

*Manual Section Number: PO Petroleum, Oils, and Lubricants (POL) Management

*Law/Reg: CWA

Finding Summary:

NO SPILL POINT OF CONTACT

Finding Description: Unit has only been on site for 30 days. No Point of Contact (POC) assigned for coordinating spill control.

*Question Number: PO-005-005- R *Regulatory Agency Level: A

*Criteria: An IOSC and an IRT must be appointed by the IC (AR 200-1, para 1-25(i)(13)).

Environmental Category: SPCC

Reason Code:

Finding Location:

IFS Number:

*Finding Category: 03

*Positive/Negative Finding: N

*Regulatory/Mgt. Deficiency(R/M): M Repeat ECAS Finding(Y/N)?: N

Existing NOV(Y/N)?: N

Recurring NOV(Y/N)?: N

NOV Number:

Was the finding determined to be an immediate threat(Y/N): N

Suggested Corrective Action(s): Assign a spill coordinator.

Root Cause Code:

Finding Comments: Unit has only been at unit for 30 days.

Corrective Action Data - ECAR

Corrective Action Summary:

Corrective Action:

Corrective Action Type:

Estimated Cost \$ 0

Corrective Action Comments:

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ENGINEER SUPPORT GROUP NORTH

Installation Data - ICAP

1383 Project No.: Funding Year:
Status of Correction: Must Fund:
Unit/Activity:
Point of Contact:
Suspense Date (MM/DD/YYYY): / /
Actual Completion Date (MM/DD/YYYY): / /

ENGINEER SUPPORT GROUP NORTH

Installation FFID: IL-2104IL026

Fiscal Year: 1997

*Finding ID: IL026_9708

*Host or Tenant: H

Tenant FFID: -

Tenant Category:

*Tenant Name:

Tenant MACOM/HQ:

MUSARC:

BASOPS ARCOM:

Facility/Activity Type: USARC(MB) - U.S. ARMY RESERVE CENTER - MAIN BLDG

*Manual Section Number: ST Storage Tanks Management

*Law/Reg: RCRA_I

Finding Summary:

UST RECORDS AVAILABLE AFTER CLOSING BUILDING.

Finding Description: Facility had been closed down and then reactivated within the last 30 days. The records for filling the UST with sand were easily located in the environmental binder.

*Question Number: ST-025-001- *Regulatory Agency Level: F

*Criteria: Substandard UST systems are required to be upgraded, closed, or removed from service by 22 December 1998 (40 CFR 280.10(c) and 280.21(a) through 280.21(c)).

Environmental Category: USTS Reason Code:

Finding Location: USAR CENTER

IFS Number:

*Finding Category: PO *Positive/Negative Finding: P

*Regulatory/Mgt. Deficiency(R/M): M Repeat ECAS Finding(Y/N)?: N

Existing NOV(Y/N)?: N Recurring NOV(Y/N)?: N

NOV Number:

Was the finding determined to be an immediate threat(Y/N): N

Suggested Corrective Action(s): Positive finding. Assure that UST removal from service information is safeguarded for future reference.

Root Cause Code:

Finding Comments: Unit has only been at site for 30 days.

Corrective Action Data - ECAR

Corrective Action Summary:

ENGINEER SUPPORT GROUP NORTH

Corrective Action:

Corrective Action Type: Estimated Cost \$ 0

Corrective Action Comments:

Installation Data - ICAP

1383 Project No.: Funding Year:

Status of Correction: Must Fund:

Unit/Activity:

Point of Contact:

Suspense Date (MM/DD/YYYY): / /

Actual Completion Date (MM/DD/YYYY): / /

DEPARTMENT OF THE ARMY
88TH REGIONAL SUPPORT COMMAND
CUSTOMER SUPPORT TEAM (CST), SOUTHERN ILLINOIS
100 ANDERSON AVENUE
WOOD RIVER, ILLINOIS 62095-1296

AFRC-CMN-EN-IL (200-1a)

15 October, 1998
S: 15 November, 1998

MEMORANDUM FOR Commander, 88th RSC, ATTN: AFRC-CMN-EN, 506 Roeder Circle,
Fort Snelling, MN 55111-4009

SUBJECT: Internal Compliance Assessment (ICAS), for Walton USARC (IL026),
1002, W. Leninger Road, Fairfield, IL. 62837

1. The undersigned visited the subject facility 13 October 1998, to accomplish an ICAS and familiarize the new Facility Manager, Shirley Shaw with the 88th RSC environmental program. Shirley Shaw is the only person staffed on a full-time basis at the Walton USARC and has been assigned with the Facility Manager position since 19 July 1998.

The building is government owned and government operated. The 877th A.G. Postal Company resides at this facility. The following issues were based upon a walk through of the facility and review of the environmental management files. A copy of the 88th RSC Regulation 200-5 "DRAFT" - Hazardous Waste Management Plan was left at the facility to provide direction to answer important questions the environmental arena poses when trying to implement an effective environmental program for this particular site. Even though this plan is a "DRAFT" plan, it is highly recommended that the appropriate personnel adhere to its guidance.

The site is under rehabilitation. Lighting has been changed, painting is presently on going, etc., but it appears that all construction work is nearing an end. The Facility Manager should ensure that all construction debris and materials, hazardous or not, are removed by the contractor. The 88th RSC does not want to become unduly responsible for hazardous waste disposals.

A big portion of the OMS has been used for caging storage. No vehicle or equipment maintenance occurs at this site. The unit may occasionally add minor amounts of POL to vehicles but that is about it. Personnel interviewed during last years assessment indicated that the facility would like to be able to gear up to do more maintenance on their vehicles and equipment but that has not happened. The undersigned assisted with the procurement of a parts washer based off of last year's assessment. The parts washer service will be discontinued immediately due to its lack of use.

The facility is nicely situated in a residential and commercial area of Fairfield, Illinois.

2. There was no hazardous waste found on site. However, there were small quantities of hazardous materials found. A current hazardous materials inventory was not immediately available for viewing and is needed. Inventories are the basis of any environmental program. Inventories justify your generator status, as well provides a baseline for training requirements, hazardous waste turn-ins, pollution prevention measures, etc. Hazardous materials inventories shall be completed as materials are received at the facility.

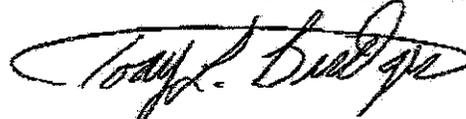
These materials need to be stored in approved storage cabinets. Storage cabinets can be obtained by requesting them through your chain of command to the DCSLOG section, Mr. Richard Robinson. The facility did not have any hazardous materials storage cabinets or other needed environmentally related supplies (small spill kit for minor amounts of POL products on hand) to manage their hazardous materials IAW regulatory laws. This is the same finding as last year. Please requisition spill response kits through the undersigned as soon as possible.

3. A master copy of all Material Safety Data Sheets (MSDS) for each hazardous material on site shall be available for viewing. MSDS shall be made readily available for immediate access by anyone where hazardous materials are stored.
4. The facility does have a wash pad that ties into an oil water separator (OWS). The discharge enters the sanitary sewer. The separator meets two of the three API design requirements. The depth to width ratio is greater than the maximum ratio recommended, however, this is not anticipated to reduce the oil removal capability of the OWS. The actual horizontal area of the OWS is greater than the minimum required for the measured flow of 6.7 gpm from the hose bib and the calculated flow of 9 gpm from a five-year, one hour storm event. The OWS was appeared to be in generally sound condition, however four small holes were observed in the sides of the OWS that continue through the wall of the OWS to the surrounding soil. These holes need to be sealed and the soil sampled for contamination. The wash rack should not be used until these holes are sealed, the soil sampled, and EPA permit conditions assessed and potentially implemented. Use of the OWS in its present condition could now pose a criminal and/or civil risk by knowingly allowing a discharge through the holes found on the sides of the OWS. No other cracks or holes were observed.
5. Two underground storage tanks (USTs) were removed in 1993. Closure documentation is available from the undersigned. This documentation is quite extensive and will take time to duplicate. The undersigned will forward the data to the Facility Manager by the end of this month for the facility environmental management files. One 2,000-gallon and one 800-gallon fuel oil UST were removed. The facility now runs off of natural gas.
6. Shirley Shaw has been trained to handle environmental affairs at this site, but she does not have her training certification in hand. She attended 88th RSC environmental training last year, but somehow her training certification has been lost. The undersigned contacted the training coordinator, Mr. Dave Torgerson, and he is trying to obtain a copy of her certification. The undersigned will forward a copy of the certification, once he receives it.

An environmental appointment order needs to be made for Shirley Shaw. The undersigned contacted her higher HQ this date at the Marion, USARC to request assistance with the signature needed to assign this duty. It is anticipated that the appointment will be made in the near future.
7. The facility needs a copy of AR 200-1, AR 200-2, and AR 200-3.
8. The facility needs their Noise SOP updated. A copy was disseminated on diskette by the undersigned and can be easily updated.

9. Request that all issues within this report meet the suspense date of 15 November, 1998. The undersigned will focus on the OWS issues and provide assistance with obtaining equipment and supplies.

10. The Facility Manager is not out there alone. Please contact the undersigned @ (618) 254-1075 ext. 14, fax -0192 if assistance is needed with any environmental matter.



TONY L. BRIDGES
Illinois Environmental
Manager (REMSA, Inc.)
Supporting the 88th RSC

Cf:

Facility Manager, Shirley Shaw
88th RSC Environmental Division Chief, Mr. Mark Buck
88th RSC ICAS Coordinator, Mr. Charles Skerjance
Illinois Customer Support Team Leader, Mr. John Dalinis
Southern Illinois Facilities Manager, Mr. Bob Sahler

DEPARTMENT OF THE ARMY
88TH REGIONAL SUPPORT COMMAND
CUSTOMER SUPPORT TEAM (CST), SOUTHERN ILLINOIS
100 ANDERSON AVENUE
WOOD RIVER, ILLINOIS 62095-1296

AFRC-CMN-EN-IL (200-1a)

20 Nov. 1997

MEMORANDUM FOR: Commander, 88th RSC, ATTN: AFRC-CMN-EN, 506 Roeder Circle,
Fort Snelling, MN 55111-4009

SUBJECT: Internal Compliance Assessment (ICAS), for Walton USARC (IL026),
1002, W. Leninger Road, Fairfield, IL. 62837

1. The undersigned visited the subject facility 19 November 1997, to accomplish an ICAS and gained familiarity with the personnel and facility. The building is government owned and government operated. The 877th A.G. Postal Company resides at this facility. The following issues were based upon a walk through of the facility and discussions with the Facility Manager, Ms. Tina Gicewicz. A copy of the 88th RSC Regulation 200-5 "DRAFT" - Hazardous Waste Management Plan was left at the facility to provide direction on how business should be conducted in the environmental arena. Even though this plan is a "DRAFT" plan, it is highly recommended that the appropriate personnel adhere to its guidance.

The site has a one bay OMS that is overcrowded. A big portion of the OMS is being used for caging storage. The facility would like to be able to gear up to do more maintenance on their vehicles and equipment, but there does not appear to be adequate space within the OMS. The facility is situated in a residential and commercial area of Fairfield, Illinois.

2. There was no hazardous waste found on site. However, there were small quantities of hazardous materials found. A current hazardous materials inventory was not immediately available for viewing. Inventories are the basis of any environmental program. Inventories justify your generator status, as well provides a baseline for training requirements, hazardous waste turn-ins, pollution prevention measures, etc. Hazardous materials inventories shall be completed as materials are received at the facility. These materials need to be stored in approved storage cabinets. The facility did not have any hazardous materials storage cabinets or other needed equipment/supplies to manage their hazardous materials IAW regulatory laws. Please requisition these items as soon as possible.

3. A master copy of all Material Safety Data Sheets (MSDS) for each hazardous material on site shall be available for viewing. MSDS shall be made readily available for immediate access by anyone where hazardous materials are stored.

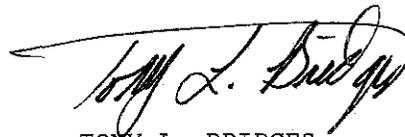
4. The facility does have a wash pad that ties into what appears to be an oil water separator. The discharge appears to go into the sanitary sewer. All separators are under a contract at this time by HARZA to be cleaned and checked for integrity and adequacy. HARZA will ascertain if the oil water separator exists or not.

5. Two underground storage tanks (USTs) were removed in 1993. According to a 88th RSC master database developed by Mr. Zacharias, one 2,000-gallon and one 800-gallon fuel oil UST were removed. The facility now runs off of natural gas.

6. No one is presently trained to handle environmental affairs at this site. Training will be attained at next years' conference. Until that time arrives, please consult with the undersigned on all environmental affairs.

7. The facility needs a copy of the Commander's Guide to Environmental Compliance. The undersigned will disseminate the latest version to every Southern Illinois site within the next month. Also the facility needs a copy of AR 200-1, AR 200-2, and AR 200-3.

8. For assistance or questions contact the undersigned @ (618) 254-1075 ext. 14, fax -0192.



TONY L. BRIDGES
Illinois Environmental
Manager (REMSA, Inc.)
Supporting the 88th RSC

CF: Facility Manager, Ms. Tina Gicewicz

DEPARTMENT OF THE ARMY
88TH REGIONAL SUPPORT COMMAND
CUSTOMER SUPPORT TEAM (CST), SOUTHERN ILLINOIS
100 ANDERSON AVENUE
WOOD RIVER, ILLINOIS 62095-1296

AFRC-CMN-EN-IL (200-1a)

20 Nov. 1997
S: 12 Dec. 1997

MEMORANDUM FOR: Commander, 88th RSC, ATTN: AFRC-CMN-EN, 506 Roeder Circle,
Fort Snelling, MN 55111-4009

SUBJECT: Internal Compliance Assessment (ICAS), for Copple USARC (IL009),
904 E. Martin Luther King Drive, Centralia, IL. 62801

1. The undersigned visited the subject facility 4 November 1997, to accomplish an ICAS and gained familiarity with the personnel and facility. The building is government owned and government operated. The 476th **Replacement Company** and the 735th **Replacement Company** reside at this facility. The following issues were based upon a walk through of the facility and discussions with the Facility Manager, Mr. Wayne Smith. A copy of the 88th RSC Regulation 200-5 "DRAFT" - Hazardous Waste Management Plan was left at the facility to provide direction on how business should be conducted in the environmental arena. Even though this plan is a "DRAFT" plan, it is highly recommended that the appropriate personnel adhere to its guidance.
2. The number one concern associated with the Units and the facility is the old hazardous waste found on site. A waste inventory was not immediately available and shall be forwarded to the undersigned **NLT 12 Dec. 1997**. Fort McCoy is presently being used to manage the disposal of hazardous waste. Once the undersigned receives the inventory it will be forwarded to the 88th RSC Environmental Section to implement the funding process.
3. A current hazardous materials inventory was not immediately available for viewing. Inventories are the basis of any environmental program. Inventories justify your generator status, as well provides a baseline for training requirements, hazardous waste turn-ins, pollution prevention measures, etc. Hazardous materials inventories shall be completed as materials are received at the facility.
4. A master copy of all Material Safety Data Sheets (MSDS) for each hazardous material on site shall be available for viewing. MSDS shall be made readily available for immediate access by anyone where hazardous materials are stored.
5. It has not been confirmed at this time if the facility has an oil water separator. Discharge locations from the washrack area must be ascertained. The grit basin of the washrack also needs to be cleaned. The undersigned will visit the site in the first week of December 1997 to obtain appropriate documentation and ascertain if one exist or not. All separators are under a contract at this time by HARZA to be cleaned and checked for integrity and adequacy.

6. Two underground storage tanks (USTs) were removed in 1995. According to a 88th RSC master database developed by Mr. Zacharias, one 1,500-gallon fuel oil UST and one 8,000-gallon fuel oil UST were removed. Mr. Smith physically observed the removal of both USTs. The site is presently heated by natural gas.

7. Hazardous materials were observed in the cage areas. This material should be stored appropriately in approved hazardous materials storage cabinets. Recommend returning the hazardous material to the appropriate storage area at the end of the day. This is a good management practice as well will assist in keeping a clean and orderly site. Please requisition at least two full size hazardous materials storage cabinets.

8. For assistance or questions contact the undersigned @ (618) 254-1075 ext. 14, fax -0192.



TONY L. BRIDGES
Illinois Environmental
Manager (REMSA, Inc.)
Supporting the 88th RSC

CF: Facility Manager, Mr. Smith

ATZT-DPW-EE

26 August 1996

MEMORANDUM FOR 88TH RSC, ATTN: AFRC-CMN-EN, (Mark Buck), 506
Roeder Circle, Fort Snelling, MN 55111-4009

SUBJECT: Internal ECAS Assessment for Fairfield, IL Army Reserve
Center

1. Enclosed is subject assessment and photographs of site conditions (ENCL 1).
2. Also enclosed are finding sheets prepared by the 416th Engineer External ECAS (ENCL 2). All findings have been corrected except:
 - a. Finding 7-4.1 III, Facility has not been screened for past use of hazardous substances.
 - b. Finding 17-8.1 HS GMP, Facility has no record of coordination with the local fire department; the facility has not had full-time support to accomplish this task.
 - c. Finding 17-10.1 I, Facility has no Oil and hazardous Substance Contingency Plan for spill events; Center does not generate or store any hazardous substances at this time.
3. Erosion is undermining the boundary fence (see photograph) at the southwest corner of property.
4. If you have any questions, my number is 573-596-0956, fax 0869.



2 ENCLS

Tina Anderson
Environmental Specialist

INTERNAL ECAS ASSESSMENT

DATE 23 Jul 1996 Prepared By: Tina Anderson

FACILITY NAME SSG R.E. Walton USARC

ADDRESS 1002 W. Leininger Road
Fairfield, IL 62837-1371

COUNTY Wayne FACILITY NUMBER IL026

CENTER BUILT 1959
ASSEMBLY HALL/OMS BUILT 1961

ORIGINAL ACREAGE 5.0
ADDITIONAL LAND ACQUIRED YEAR 1975 ACRES 1.0 (EASEMENT)
TOTAL ACREAGE 6.0

WHAT TYPE OF AREA SURROUNDS THE CENTER:

RESIDENTIAL North and West of Center
COMMERCIAL East and West of Center
LANDFILL 2 miles West of City limits

ARE ANY OF THE FOLLOWING LOCATED ON OR NEAR THE CENTER (SPECIFY DISTANCE):

RIVER/CREEK Little Wabash (8 mi East of City) LAKE/POND None
MARSH/SWAMP None SPRING/CAVE None
FLOODPLAIN/LOWLAND None UPLAND None

FACILITY MANAGER/PHONE Currently no facility Manager, POC is Charles Vaughn (618) 842-2101

OTHER FULL TIME PERSONNEL None

UNIT AND FUNCTION LOCATED AT THE FACILITY:

877th AG Postal Company

UNIT STRENGTH: 40

BRIEF FACILITY HISTORY- HAS IT CHANGED OVER THE YEARS:

Mainly Postal, 2 Replacement Companies deactivated in Sep 1995.

LIST HEAVY EQUIPMENT OR LARGE MILITARY VEHICLES USED/STORED AT THE SITE:

Trucks

ENCL 1

CAA

IS THE FACILITY IN AN AIR QUALITY ATTAINMENT REGION
(AIR QUALITY ALERT) NO
DISPENSE FUEL NO

IS FUEL POINT PERMANENT OR VEHICLE MOUNTED

USE BULK CFC'S OR HALON NO
WHAT TYPE

INDOOR FIRING RANGE NO

ANY LOCAL AIR EMISSION PERMITS NO
ANY BURNING YES
LEAF BURNING IN THE FALL
- IS A PERMIT REQUIRED NO

PAINTING OPERATIONS OTHER THAN SPOT NO

DOES FACILITY HAVE ANY PERMITS NO

CWA

ARE VEHICLES WASHED NO
WASHRACK (STATE CONDITION & IF OPERABLE) YES
IS OPERABLE, TESTING HAS BEEN PERFORMED IN THE
LAST 6 MONTHS, RESULTS WERE NOT AVAILABLE

OIL INTERCEPTOR (STATE CONDITION & IF OPERABLE) YES
PHOTOGRAPHIC LAB NO
KITCHEN (GREASE TRAP) NO

AMSA/OMS
NO MAINTENANCE IS PERFORMED _____

STORM WATER SURVEY UNKNOWN
SPILL PLAN/TEAM NO
NONE REQUIRED AT THIS TIME
ANY RECORD OF SPILLS NO

IS THERE ANY EVIDENCE OF EROSION YES
AT SW CORNER OF PROPERTY, ALONG FENCE LINE
SEE ATTACHED PHOTO

SDWA

SOURCE OF DRINKING WATER CITY OF FAIRFIELD

NAME OF UTILITY COMPANY ILLINOIS LIGHT AND POWER

RCRA, C

WHAT IS HAZ WST GENERATOR STATUS SMALL
GET LIST OF HW TEST RESULTS IF ON FILE NONE

HAZ WASTE MINIMIZATION PROGRAM NONE

STORE ANY MUNITIONS OR ORDNANCE NOT AT THIS TIME
HAVE ANY DENTAL, MEDICAL, OR VETERINARY WASTE NONE
GENERATE WASTE POL NONE

DESCRIBE DISPOSAL PRACTICES NONE REQUIRED

BURN WASTE OIL NO

ANY SOLVENTS NO

DISPOSE OF HAZ WASTE NO
HAVE A HAZ WASTE MGT PLAN YES

LIST STATE AND FEDERAL GENERATOR ID NUMBERS

1910105020 and IL1210490487

RCRA, D

DOES LOCAL COMMUNITY HAVE A RECYCLING PROGRAM WALMART

DOES THE FACILITY PARTICIPATE YES

WHAT ITEMS: ALUMINUM

RCRA, I

ARE THERE ANY ACTIVE UST'S NO
AGE, SIZE AND MATERIAL STORED
TANKS WERE REMOVED IN 1993

ANY ABOVE GROUND TANKS NO
AGE, SIZE AND MATERIAL STORED

ANY ABANDONED TANKS NO
ARE ANY TANKS SCHEDULED TO BE REMOVED OR REPLACED NO

CERCLA/SARA

HAVE ANY SITES BEEN CONTAMINATED IN THE PAST YES
IDENTIFY CONTAMINANTS: HEATING OIL

EVER BEEN CONTACTED BY OUTSIDE AGENCY REGARDING
PAST CONTAMINATION NO

ARE THERE ANY AREAS OF KNOWN DISTRESSED VEGETATION NO

TSCA

DOES THE FACILITY OWN ANY TRANSFORMERS, HEAT
TRANSFER OR HYDRAULIC SYSTEMS, OR LIGHT BALLASTS
CONTAINING PCB'S

NO

HOW MANY _____
ARE TEST RESULTS AVAILABLE: _____

FIFRA

STORE, MIX OR PREPARE PESTICIDES ON SITE
WHO WOULD APPLY IF PROBLEM EXISTED:
CONTRACT THRU THE 88TH RSC

NO

NHPA/CR

ANY NATIONAL REGISTER OR HISTORIC SITES

NO

ANY EVIDENCE OF ARCHEOLOGICAL RESOURCES

NO

ANY GRAVES OR ARTIFACTS

NO

ANY SURVEYS CONDUCTED/RESULTS

NO

NRM

ANY ENDANGERED OR THREATENED PLANT OR ANIMAL
SPECIES ON OR NEAR THE FACILITY, IF SO LIST:

NO

ANY NAT RES CONTROVERSIES, IF SO LIST:

NO

CONDITION OF

TREES (LIST SPECIES):

VARIOUS DECIDUOUS TREES, ALL LOOKED HEALTHY

BUSHES/SHRUBS: VARIOUS EVERGREENS, ALL LOOKED HEALTHY

GRASS VEGETATION: GRASS IS HEALTHY, THERE IS
EROSION OCCURRING AT THE SW CORNER OF PROPERTY,
ALONG BOUNDARY FENCE LINE

NEPA

ANY MAJOR PROJECTS PLANNED IN THE FUTURE
CENTER FORWARDED MEMO TO THE 86TH REQUESTING
EXPANSION

UNKNOWN

ASBESTOS

HAS FACILITY WIDE SURVEY BEEN DONE YES
CENTER HAS COPY OF SURVEY RESULTS

WAS ASBESTOS FOUND, IF SO WAS IT REMOVED YES
IS IT FRIABLE OR NON-FRIABLE
ASBESTOS ABATEMENT CONDUCTED IN 1990

REMOVE ANY BRAKE DRUMS AS PART OF VEHICLE MAINTENANCE NO
HAVE PERSONNEL BEEN TRAINED IN ASBESTOS HANDLING N/A

NOISE

HAS FACILITY RECEIVED ANY COMPLAINTS NO

IF SO WHAT FOR:

IS THERE A NOISE COMPLAINT PROCEDURE ON FILE YES

HAS AN ICUZ STUDY OR STATEMENT OF NEGLIGIBLE IMPACT
BEEN CONDUCTED WHEN & HAVE OPERATIONS SINCE CHANGED YES
OPERATIONS HAVE NOT CHANGED

RADON

HAS FACILITY BEEN TESTED YES
WHAT WERE THE RESULTS: NO REMEDIATION REQUIRED

ENV PROGRAM MGT

DOES FACILITY HAVE AR 200-1 & CMDRS GUIDE TO ENV YES

HAVE ANY OTHER ENV INSPECTIONS BEEN CONDUCTED YES
EXTERNAL ECAS RESULTS WITH COMMENTS ARE ATTACHED

ANY HIGHER HQ ENV SOP'S YES

HAZ MATERIALS MGT

HAVE A MASTER LIST OF HAZ SUBSTANCES USED OR
STORED ON SITE N/A

DO ALL CHEMICALS/SUBSTANCES HAVE A MSDS N/A

HAVE INDOOR FLAMMABLE/COMBUSTIBLE STORAGE AREAS N/A

USE BULK ACIDS NO

USE COMPRESSED GAS NO

LIST ENV CONTRACTS IN PLACE

CLEANING OF RIFLE RANGE	<u>N/A</u>
CLEANING OF OIL INTERCEPTORS	<u>N/A</u>
SOLVENT RECYCLING	<u>N/A</u>
WASTE OIL PICKUP	<u>N/A</u>
HAZ WASTE DISPOSAL	<u>N/A</u>
PEST MANAGEMENT	<u>N/A</u>
RADON REMEDIATION	<u>N/A</u>
UST REMOVAL/REPLACEMENT	<u>N/A</u>
DO YOU HAVE THE FOLLOWING:	
ANY PAST OR PRESENT NOV'S	<u>N/A</u>
LEAD SURVEY FOR INDOOR RIFLE RANGE	<u>N/A</u>
<u>ANNUAL CFC/HALON REPORT</u>	<u>N/A</u>
WATER POLLUTION COMPLAINT SYSTEM	<u>YES</u>
MANIFESTS FOR HAZ/SPECIAL WASTE DISPOSAL	<u>YES</u>
SPILL CONTINGENCY PLAN	<u>N/A</u>
APPOINTMENT ORDERS FOR SPILL TEAM	<u>N/A</u>
TRAINING DOCUMENTATION FOR HAZ MAT/WST HANDLERS AND SPILL TEAM	<u>YES</u>
FACILITY MANAGER HAD TRAINING	
HAZ WASTE MGT PLAN	<u>YES</u>
LAST ANNUAL HAZ WASTE INVENTORY	<u>N/A</u>
RESULTS OF ASBESTOS SURVEY	<u>NO</u>
RESULTS OF RADON SURVEY	<u>NO</u>
LOCATION MAP OF HAZ MATERIALS/WASTE STORAGE AREAS	<u>N/A</u>
HAZ MATERIAL INVENTORY	<u>N/A</u>

INTERNAL ECAS ASSESSMENT

NAME, TITLE AND PHONE NUMBER OF INDIVIDUALS PARTICIPATING OR CONTACTED

<u>NAME</u>	<u>TITLE</u>	<u>LOCATION</u>	<u>PHONE NUMBER</u>
DARIETTA HOWE	REAL PROPERTY SPECIALIST	FT LEONARD WOOD	314-596-0901
TINA ANDERSON	ENVIRONMENTAL MANAGER	FT LEONARD WOOD	314-596-0956
CHARLES VAUGHN	FACILITY MANAGER	FAIRFIELD USARC	618-842-2101



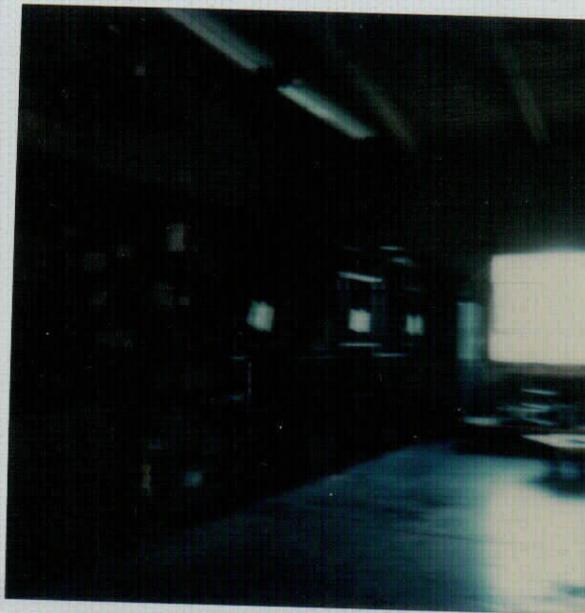
SW CORNER 23 July 96
FAIRFIELD, IL



FAIRFIELD, IL
INSIDE OMS
23 July 96



FAIRFIELD, IL
23 July 96
SE CORNER



FAIRFIELD OMS



FAIRFIELD 23 July 96
W. END ORBIDG



FAIRFIELD, IL
28 July 96
MEP-OMS

Internal Compliance Assessment				
Facility Name: <i>Walton USARC</i>		Date: <i>3-23-00</i>		
FINDING: <i>21026</i> <i>Fairfield</i>		YES, NO, N/A	On site correction	Send to facility
Air Quality				
Does the facility have a copy of the air emissions survey?		<i>N/A</i>		
Air permit?		<i>N/A</i>		
Complaint record for Air Pollution? Complaints?		<i>N/A</i>		
Is the Facility in a non-attainment region?		<i>NO</i>		
Solvent lids closed?		<i>N/A</i>		
Firing range cleaning?		<i>N/A</i>		
Vehicle painting? Aerosal paint cans?		<i>N/A</i>		
Cultural Resource Management				
Does facility have a cultural resource management plan?		<i>No</i>		
Any historic property, grave sites, etc?		<i>No</i>		
Hazardous Materials Management				
Quarterly inventory of hazardous materials?		<i>NO</i>		
MSDS's on file and readily accessible?		<i>YES</i>		
Spill kits where material is stored/used?		<i>YES</i>		
Are containers in good shape and labeled?		<i>None Found</i>		
Stored properly (Compatibility)?		<i>N/A</i>		
Flammable material stored properly?		<i>None Found</i>		
Copy of Hazardous Material/Waste Management Plan?		<i>YES</i>		
Copy of Hazardous Communications Plan?		<i>NO</i>		<i>+</i>
Copy of <u>AR/200-1</u> and 200-2?		<i>Need - 2</i>	<i>Yes/No</i>	
Hazardous Waste Management				
Hazardous Waste Inventory				
EPA Generator ID number?		<i>Yes</i>		
Copies of hazardous waste manifests?		<i>Yes</i>		
Documentation of medical waste?		<i>N/A</i>		
Training records?		<i>Yes</i>		
Hazardous waste containers labeled properly?		<i>N/A</i>		
Spill kits available? # of kits? For transportation?		<i>1</i>		
Does facility need spill kit replenishments? Disposal?		<i>No</i>		
Batteries properly stored?		<i>N/A</i>		
Antifreeze recycler?		<i>N/A</i>		
Have/need oil filter crusher?		<i>N/A</i>		
Contract for rag disposal?		<i>N/A</i>		
Waste minimization & Recycling Plan?		<i>Yes/No</i>		
Natural Resources Management				
Natural Resource Management Plan?		<i>N/A</i>		
Endangered species/wetlands survey?		<i>NO</i>		

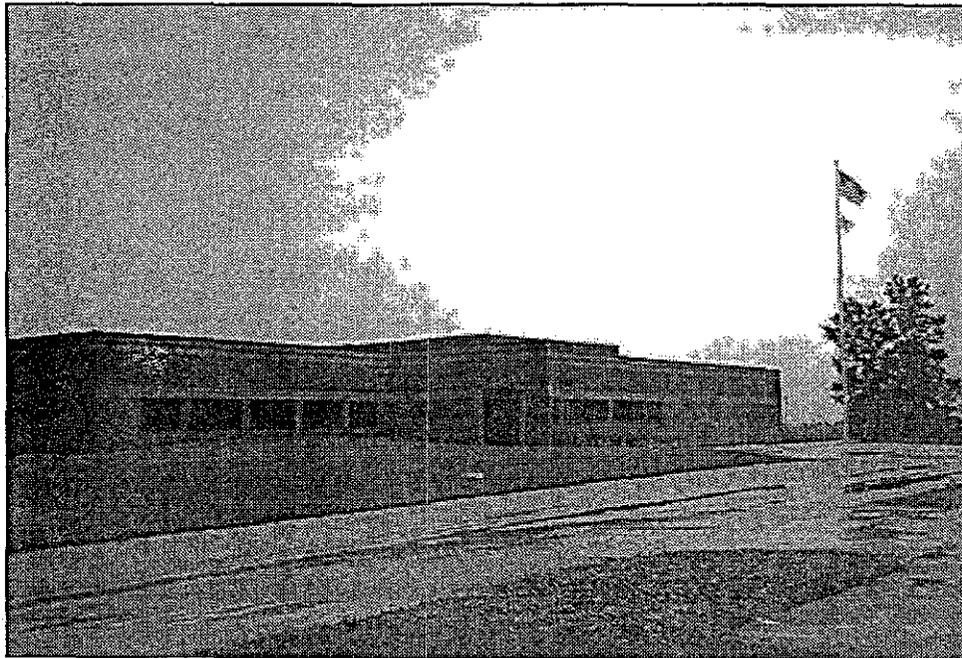
Waste and Storm Water Management				
Does facility have a copy of SWPPP?	NO			
Does facility have monitoring results?	NO			
Does facility have copy of NPDES permit?	NO			
Does facility have water complaint log?	NO			
Does facility have OWS and copies of recent cleaning?	Yes			
How many OWS are on the property?	1			
How many washracks on facility grounds?	1			
Does facility have records of spills and closure reports?	NO			
Is the facilities battery room in compliance?	N/A			
Water Quality				
Does facility have record of water utility company?	NO			
Is facility connected to a well?	NO			
Drinking water samples?	NO			
NEPA				
Copies of all REC's, EA's, and EIS's?	NO			
Any current actions require NEPA documentation?	NO			
Any future actions require NEPA documentation?	NO			
Environmental Noise				
Does the facility have a noise complaint log?	Yes			
Does facility have/need ICUZ?	N/A			
Pollution Prevention				
Does facility have a copy of Pollution Prevention Plan?	NO			
Training?	NO			
Does facility recycle?	NO			
EPCRA reporting requirements?	N/A			
Solid Waste				
Recycling program? With whom?	NO			
Does facility have solid waste complaint log?	NO			
Quarterly inspections of trash?	NO			
Pesticide Management				
Does facility have documentation of usages?	NO - Never been sprayed			
Copies of certification for contractors used?	Never Used			
Copy of Pest Management Plan?	NO			X
Storage Tank Management				
Does facility have closure report for removal of UST?	Yes			
Does facility have documentation for AST's?	N/A			
PCB's				
Have all transformers been checked for PCB content?	Yes			
Asbestos				
Does facility have copy of Asbestos Survey?	Yes			
Does facility have copy of Asbestos Mang. Plan?	Yes			

Regulation	RCRA CESQG INSPECTION CHECKLIST [SECTION 721.105(g)]	Violation
721.105	<p>Section 721.105: Special Requirements for Hazardous Waste Generated by Conditionally-Exempt Small-Quantity Generators (<100 Kg/mo.)</p> <p>Are any of the following applicable:</p> <p>a) The generator has generated 1 or more Kg of hazardous waste in a calendar month? Yes ___ No <input checked="" type="checkbox"/> N/A ___</p> <p>b) The generator has generated greater than 100 Kg of any residue or contaminated soil, waste or other debris resulting from the clean-up of a spill of hazardous waste? Yes ___ No <input checked="" type="checkbox"/> N/A ___</p> <p>c) The generator has generated greater than 100 Kg of hazardous waste in a calendar month? Yes ___ No <input checked="" type="checkbox"/> N/A ___</p> <p>d) The generator has accumulated greater than 1000 Kg of hazardous waste on site at any one time? Yes ___ No <input checked="" type="checkbox"/> N/A ___</p> <p>Note: If the answer to any of the above questions is "Yes", the firm is a generator of hazardous fully subject to regulation under the applicable parts of 35 IAC Parts 700 through 728 and the notification requirements of Section 3010 of RCRA. Complete the appropriate checklists.</p>	
722.111	<p>Has the generator made a proper hazardous waste determination pursuant to Section 722.111? Yes ___ No <input checked="" type="checkbox"/> N/A ___</p>	722.111
721.105(g)(3)	<p>Has the owner/operator treated or disposed of the hazardous waste on-site? Yes ___ No ___ N/A <input checked="" type="checkbox"/></p>	
721.105(g)(3)	<p>Has the owner/operator ensured delivery to a permitted off-site treatment, storage or disposal facility pursuant to Section 721.105(f)(3) or 721.105(g)(3)? Yes <input checked="" type="checkbox"/> No ___ N/A ___</p>	
721.105(j)	<p>Note: A conditionally-exempt small-quantity generator who mixes its hazardous waste with used oil which is destined to be burned for energy recovery must comply with the requirements in Part 739.</p>	
	<p>Comments: <i>No HW on hand 23 March 00</i></p>	
	(CESQG-1)	

**FORT McCOY
CULTURAL RESOURCES
MANAGEMENT SERIES**

Reports of Investigation No. 13

**Illinois Section 110 Inventory
Volume I
March 2000**



**Fort McCoy Archaeology Laboratory
Directorate of Training and Mobilization
Fort McCoy, WI 54656-5162**

Illinois Section 110 Inventory
Volume I

Archaeological Resource Management Series
Reports of Investigation Number 13

Prepared for:

U.S. Army Reserve Command
88th Regional Support Command
Environmental Management Division
Fort Snelling
Minneapolis, Minnesota

Prepared by:

Heather L. Spencer
Fort McCoy Archaeology Laboratory
Directorate of Training and Mobilization
Fort McCoy, Wisconsin
November 1998

Editorial Review:

Jason L. Tish
Fort McCoy Archaeology Laboratory
March 2000

THIS DOCUMENT CONTAINS ARCHAEOLOGICAL SITE INFORMATION AND
IS INTENDED FOR MANAGEMENT AND PRESERVATION PURPOSES, AND
SHOULD NOT BE DISTRIBUTED TO THE PUBLIC WITHOUT PERMISSION
FROM THE ILLINOIS STATE HISTORIC PRESERVATION OFFICER AND THE
DEPARTMENT OF THE ARMY.

Cover: Stefanich AFRC, Kankakee, Illinois

National Historic Preservation Act of 1966, as Amended Section 110

"In accordance with subsection 101(F) of the National Historic Preservation Act, the Secretary of the Interior in consultation with the Advisory Council on Historic Preservation, has developed the following guidelines for carrying out Federal agency responsibilities under Section 110 of the Act. Federal Agencies should follow these guidelines in establishing, monitoring, reviewing, and evaluating their programs for compliance with Section 110 of the Act. State Historic Preservation Officers should refer to these guidelines when providing assistance to Federal agencies under Sections 101(b)(3)(E) and (F) of the Act. The advisory Council on Historic Preservation [Council] will use these guidelines, as applicable, and recommend their use to Federal agencies, State Historic Preservation Officers, and others in agreements executed pursuant to Section 106 of the Act and 36 CFR Part 800. The Council will also use these guidelines in its review of Federal agency programs under Section 202(a)(6) of the Act. *Section 110(a)(1)*: "The heads of all Federal agencies shall assume responsibility for the preservation of historic properties which are owned or controlled by such agency. Prior to acquiring, constructing, or leasing buildings for purposes of carrying out agency responsibilities, each Federal agency shall use, to the maximum of the extent feasible, historic properties available to the agency. Each agency shall undertake, consistent with the preservation of such properties and the mission of the agency and the professional standards pursuant to Section 101(f) any preservation, as may be necessary to carry out this section." *Section 110(a)(2)*. "With the advice of the Secretary and in cooperation with the State Historic Preservation Officer for the State involved, each Federal agency shall establish a program to locate, inventory, and nominate to the Secretary all properties under the agency's ownership or controlled by the agency, that appear to qualify for inclusion on the National Register in accordance with the regulations promulgated under Section 110(a)(2)(A). Each Federal agency shall exercise caution to assure that any such property that might qualify for inclusion is not inadvertently transferred, sold, demolished, substantially altered, or allowed to deteriorate significantly. *Section 110(b)*: "Each Federal agency shall initiate measures to assure that where, as a result of Federal action or assistance carried out by such agency, a historic property is to be substantially altered or demolished, timely steps are taken to make or have made appropriate records, and that such records then be deposited, in accordance with Section 101(a), in the Library of Congress or with such other appropriate agency as may be designated by the Secretary, for future use and reference." *Section 100(c)*. "The head of each Federal Agency shall, unless exempted under Section 214, designate a qualified official to be known as the agency's "preservation officer" who shall be responsible for coordinating that agency's activities under the Act. Each Preservation Officer may, in order to be considered qualified, satisfactorily complete and appropriate training program established by the Secretary under Section 110(g)." *Section 100(d)*. "Consistent with the agency's mission and mandates, all Federal agencies shall carry out agency programs and projects (including those under which any Federal assistance is provided for any federal license, permit, or other approval is required) in accordance with the purposes of this Act and, give consideration to programs and projects which will further the purposes of this Act." *Section 110(e)*. "The Secretary shall review and approve the plans for transferees of surplus federally owned historic properties not later than ninety days after his receipt of such plans to ensure that the prehistorical, historical, architectural, or culturally significant values will be preserved or enhanced. *Section 110(f)*. "Prior to the approval of any Federal undertaking which may directly and adversely affected any National Historic Landmark, the head of the responsible Federal agency shall, to the maximum extent possible, undertake such planning and actions as may be necessary to minimize harm to such landmark, and shall afford the Advisory council on Historic Preservation a reasonable opportunity to comment on the undertaking." *Section 110(g)*. "Each Federal agency may include the costs of preservation activities of such agency under this Act as eligible project costs in all undertakings such agency or assisted by such agency. The eligible project costs may also include amounts paid by a federal agency to any state to be used in carrying out, such preservation responsibilities of the federal agency under this Act, and reasonable costs may be charged to Federal licensees and permits as a condition to the issuance of such license or permit." *Section 110(h)*. "The Secretary shall establish an annual preservation awards program under which he may make monetary awards in amounts not to exceed \$1,000 and provide citations for special achievements to officers and employees of Federal, State, and certified local governments in recognition of their outstanding contributions to the preservation of historic resources. Such programs may include the issuance of annual awards by the President of the United States to any citizen of the United States recommended for such award by the Secretary." *Section 110(i)*. "Nothing in this Act shall be construed to require the preparation of an environmental impact statement where such a statement would not otherwise be required under the National Environmental Policy Act 1969, and nothing in this Act shall be construed to provide exemption from any requirement respecting the preparation of such a statement under such Act." *Section 110(j)*. "The secretary shall promulgate regulations under which the requirements of this section may be waived in whole or in part in the event of a major natural disaster or an imminent threat to national security"

Abstract

In 1994, the Fort McCoy Archaeology Laboratory, at Fort McCoy, Wisconsin, was contracted by the 88th Regional Support Command (RSC) to conduct a Historic Properties Inventory of all U.S. Army Reserve Centers (USARC) located within the state of Illinois, under the provisions of Section 110 of the National Historic Preservation Act (NHPA). A total of 41 USARC facilities were inventoried during this study. All buildings at the USARC facilities were assessed for eligibility to the National Register of Historic Places (NRHP). Three facilities (Schulstad USARC, Arlington Heights, Illinois, the Charles Melvin Price Support Center, Granite City, Illinois, and the Philip H. Sheridan Reserve Center, Fort Sheridan, Illinois) contained buildings recommended a potentially eligible for nomination to the NRHP.

Introduction

In 1994, the Fort McCoy Archaeology Laboratory was contracted to conduct a Historic Properties Inventory under the provisions of Section 110 of the NHPA of all USARC facilities owned or leased by the 88th Regional Support Command in the state of Illinois. A total of 149 buildings on 41 USARC facilities were surveyed throughout Illinois. This report describes the recordation and evaluation methods and findings of the Fort McCoy Archaeology Laboratory inventory of the USARC facilities. Additionally, this report provides information documenting the sources and informants used in evaluating the actions to determine eligibility for the nomination of the surveyed properties to the NRHP.

Preliminary research included meetings with officials of the Illinois State Historic Preservation Office (SHPO) and historical research conducted at the Illinois Historical Society, regional county courthouses, and local libraries. The Illinois Archaeological Sites Index, maintained by the Illinois SHPO, was consulted to determine the location of any known archaeological sites on or near each USARC facility. Oral interviews were conducted with USARC personnel at each facility. Fieldwork for the project was conducted during March-July 1995, June 1997, October 1997, and February 1998.

All Illinois listings in the NRHP were reviewed prior to commencement of fieldwork for the inventory. Those properties on all USARC facilities that met the criteria for NRHP eligibility were examined and recorded to assess their potential for possible nomination to the NRHP. Three USARC facilities (Schulstad USARC, Arlington Heights, Illinois, the Charles Melvin Price Support Center, Granite City, Illinois, and the Philip H. Sheridan Reserve Center, Fort Sheridan, Illinois) have historic structures determined potentially eligible for nomination to the NRHP.

Statement of Purpose

The Fort McCoy Archaeology Laboratory Section 110 inventory of the USARC facilities within the state of Illinois, was conducted consistent with the *Secretary of the Interior's Standards and Guidelines for Identification and Evaluation (Standards)*. The primary goal of the NHPA, according to the *Standards*, is to "preserve prehistoric and historic resources throughout the nation for the inspiration and benefit of present and future generations." In fulfillment of this goal, governmental agencies, within the framework of their missions, are charged with administering federally owned, administered, or controlled prehistoric and historic resources in a spirit of stewardship, and caring for significant prehistoric and historic properties in ways that ensure long-term protection and integrity of those properties.

The *Standards* require agencies to identify, evaluate, and document their historic properties, and nominate them to the NRHP. According to the *Standards*, "identification, evaluation, and documentation of historic properties are critical in the long-term management of historic properties, as well as in program and project specific planning by a federal agency." The *Standards* also require that "the agency manages and maintains its historical properties in ways that preserve the properties historic, archaeological, architectural, or cultural values," and that "the agency considers historic properties in addition to its own when planning activities that may affect them." Agencies are also required under the *Standards* to develop "a process that identifies and evaluates historic properties in a timely fashion," and "a process that develops and implements agreements regarding the means by which adverse affects on historic properties will be considered." Documentation is also required of historic properties, before they are substantially altered or demolished, and the placement of all documentation in an appropriate repository for future use and research.

In meeting the compliance requirements of Section 110(a)(2) of the NHPA and the *Standards*, researchers from the Fort McCoy Archaeology Laboratory conferred with the Illinois SHPO regarding previous archaeological or historical architectural investigations conducted on or near the Illinois USARC facilities. Previous archaeological and architectural surveys were found for three USARC facilities (Scott Air Force Base, Illinois, the Charles Melvin Price Support Center, Granite City, Illinois, and the Philip H. Sheridan Reserve Center, Fort Sheridan, Illinois). These surveys were conducted by private consulting firms and governmental agencies that methodically analyzed the archaeological and architectural components of each facility and provided recommendations for future management of the identified historic resources. Members of the Fort McCoy Archaeology Laboratory carefully analyzed these reports and compared their results with the actual on-site recordation of the facilities conducted during this inventory. Discrepancies found between existing reports on the facilities and the on-site recordation conducted by members of the Fort McCoy Archaeology Laboratory are described in detail within the individual facility sections of this report. All prior archaeological surveys conducted within one-mile of the USARC facilities were also documented. Historic themes established by the Illinois SHPO were followed in preparation of the historic context and in identifying historic properties.

All fieldwork was conducted by Fort McCoy Archaeology Laboratory personnel who meet the *Secretary of the Interior's Professional Qualification Standards at 36 CFR 61* (Appendix A). The field recordation methods employed in the inventory follow accepted practices within the field of historic research and included, but were not limited to, on-site evaluation and documentation of historic buildings and properties, review of all pertinent historical documentation, and interviews with facilities managers regarding the properties. Assessments of potential eligibility for the NRHP were made based upon the field research, on-site documentation, and post inventory evaluation.

Factors That May Precipitate a Change in Status

The recommendations contained within this report are based upon the current legal ownership status and physical conditions. Changes in the status of these properties may require a reevaluation of the property, or require additional surveys in compliance with Section 106 of the NHPA. Examples of changes that could necessitate a reevaluation of properties include, but are not limited to, demolition, demolition by neglect, construction, rehabilitation, or transfer of ownership.

Methodology

A formal literature and record search was conducted for each facility by members of the Fort McCoy Archaeology Laboratory. The objective of this search was to establish the historical and archaeological context associated with each USARC. Searches conducted at local historical societies and municipal governments provided additional documentary and cartographic information relevant to the historic context of individual USARC facilities. Research was also conducted at the Illinois SHPO offices to obtain information relative to the location of all recorded archaeological sites within a one mile radius of each USARC facility. All existing archaeological sites were documented and evaluated in terms of their significance to USARC locations. An archaeological reconnaissance survey was conducted on the land associated with each USARC facility.

Architectural Study Methods

The architectural survey undertaken by members of the Fort McCoy Archaeology Laboratory was conducted using guidelines published by the Historic American Building Survey (HABS) and the Illinois SHPO. Data represented in this report was collected with methods that includes:

- 1) a literature review of the historic documents relating to the construction and maintenance of each building on the USARC facilities;
- 2) an architectural evaluation of the potential NRHP eligibility of each building on the USARC facilities;
- 3) a surface reconnaissance of land associated with each USARC facility.

The historic themes used to evaluate the historic contexts associated with the properties analyzed in this inventory were taken directly from the guidelines identified by

the Illinois SHPO in the *Illinois Comprehensive Statewide Historic Preservation Plan*.¹ The results of the historical, architectural, and archaeological surveys conducted by members of the Fort McCoy Archaeological Laboratory are described in the following sections of this report.

Historical Literature Review

The Illinois Section 110 Inventory was designed to establish a historic context for each USARC facilities to assess the eligibility for their buildings for nomination to the NRHP. In preparation for the documentation of each USARC facility, historic documentary research was conducted by members of the Fort McCoy Archaeology Laboratory and included:

- 1) examination of real property records maintained by the 88th RSC;
- 2) examination of real property records located at each USARC facility (when available);
- 3) an in-person interview with the facility manager at each USARC facility;
- 4) NRHP eligibility nominations filed with the Illinois SHPO (when applicable);
- 5) examination of the Archaeological Sites Index maintained by the Illinois SHPO;
- 6) examination of the historic documents housed at the Illinois Historical Society, regional county courthouses, and local libraries;
- 7) examination of previous cultural resource, archaeological, architectural, and environmental surveys available about each USARC facility (when available).

Architectural Fieldwork

Historic research conducted at the 88th RSC Real Property Office, on the buildings at each USARC facility, was utilized to establish an initial database of the architectural styles that would be encountered during on-site documentation. On-site fieldwork consisted of producing in-depth textual descriptions included:

¹*Illinois Comprehensive Statewide Historic Preservation Plan*, (Springfield, Illinois: Illinois Historic Preservation Agency, Division of Preservation Services), 1995, pp. 8-10

Architect/Builder
Type of building
Date of construction
Date of acquisition
Architectural style
Foundation material
Number of bays
Plan shape
Wall construction
Roof type
Roof materials
Chimney construction
Chimney placement
Type and location of entrances
Type and location of fenestration
Relationship of all buildings on the facility
Integrity of each building
Potential threat to the buildings
Future research potential at the facility
Assessment of the potential eligibility of each building to the NRHP under
Criteria A, B, C, and D

Photo documentation captured the exterior of each building at the Illinois USARC facilities, including unique architectural elements. Views photos were recorded in 35 mm black and white and Kodak DC 50 digital format. Data collected during on-site documentation and assessments was compiled into the Illinois Section 110 report and entered into USARC databases maintained by the Fort McCoy Archaeology Laboratory.

The Illinois Section 110 Inventory Report

A site-specific assessment of the historic, architectural, and archaeological significance was accomplished to determine if buildings and/or districts on each USARC facility were potentially eligible for nomination under Criteria A, B, C, and D to the NRHP. The Illinois Section 110 Inventory is intended to provide the Commander, 88th RSC, with a comprehensive overview of all USARC properties in Illinois. Specifically, this report provides architectural, historic, archaeological, and security information to aid in the management of the physical resources located on USARC facilities controlled by the 88th RSC. Data contained in the individual sections of this report were recorded and

presented in accordance with standards established by HABS and the Secretary of the Interior's Professional Qualification Standards at 36 CFR 61.²

This report is also designed to permit individual facility managers to remove the sections discussing their facilities. Information included in discussions of individual USARC facilities may be repeated in the introduction and discussion sections. Information contained in the individual USARC facility sections include:

- Facility Identification Number
- Facility Name
- Facility Address
- USGS 7.5 Minute Series Quadrangle Map
- UTM
- Present Ownership/Occupant/Use of the facility
- Setting/Landscape
- Archaeological Resources
- Historical Information
- Historical Context
- Architectural Information
- Security
- Building Descriptions
- Eligibility
- Sources

National Register Criteria of Evaluation

Each building on the USARC facilities was assessed for its eligibility to the NRHP as defined in 36 CFR Part 60. The criteria used to evaluate the eligibility of properties for nomination to the NRHP assesses the significance of each facility in terms of its contribution to American history, historic persons, architecture, engineering, and archaeological research. The NRHP criteria and criteria considerations include:

Criteria

A. That are associated with events that have made a significant contribution to the broad patterns of our history; or

²Historic American Building Survey, *Historian's Procedures Manual*, (Washington, D.C.: Department of the Interior, National Park Service), 1984, p. 2-50. "Transmitting Documentation to HABS/HAER. WASO," technical manual updated provided by the Historic American Building Survey/Historic American Engineering Record (Washington, D.C.: National Park Service), 1989, p. 27-32.

- B. That are associated with the lives of persons significant in our past; or
- C. That embody the distinctive characteristics of a type, period, or method of construction or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- D. That have yielded, or may be likely to yield, information important in prehistory or history.³

Criteria Considerations

- A. A religious property deriving primary significance from architectural or artistic distinction or historical importance; or
- B. A building or structure removed from its original location but which is significant primarily for architectural value, or which is the surviving structure most importantly associated with the historic person or event; or
- C. A birthplace or grave of a historical figure of outstanding importance if there is no other appropriate site or buildings directly associated with his productive life; or
- D. A cemetery which derives its primary significance from graves of persons of transcendent importance, from age, from distinctive design features, or from association with historic events; or
- E. A reconstructed building when accurately executed in a suitable environment and presented in a dignified manner as part of a restoration master plan, and when no other building or structure with the same association has survived; or
- F. A property primarily commemorative in intent if design, age, tradition, or symbolic value has invested it with its own historical significance; or
- G. A property achieving significance within the past 50 years if it is of exceptional importance.⁴

³*The Section 110 Guidelines Annotated Guidelines for Federal Agency Responsibilities under Section 110 of the National Historic Preservation Act, Section III, February 1988.*

⁴*Ibid.*

Fairfield, Illinois

Identification Information

SSG R.F. Walton United States Army Reserve Center

Facility Identification Number: IL026/17870

1002 West Leninger Road, Fairfield, Wayne County, Illinois 62837-0219

Map reference: Fairfield, Ill. Quadrangle, USGS 7.5 Minute Series,

UTM: Z16, 379100E, 4248300N

T2S R7E, Section 1

Present Owner/Occupant: The facility is owned by the US Government and controlled by the 88th RSC.

Setting/Landscape

SSG R.F. Walton USARC consists of two buildings on 6 acres of land (00323) in a residential district of Fairfield, Illinois (Figure 107). The facility is landscaped with grass and trees.

Historical Context

Incorporated in 1857, Fairfield, Illinois has been associated with manufacturing and shipping industries. Historically, mechanical and textile products, including auto parts, pumps, and clothing for the garment industry were made in Fairfield and shipped to larger markets via the Baltimore & Ohio railway. During the twentieth century, the focus of the regional economy has continued to be on the production of manufactured goods and small oil reserves located in Wayne County.¹

SSG R.F. Walton USARC was built in Fairfield in 1960 for use as a military training center.

Archaeological Resources

A record search at the Illinois State Historic Preservation Office revealed no recorded archaeological sites on the facility property. SSG R.F. Walton USARC is located on land that has been extensively disturbed by the construction of the facility. An on-site assessment determined there is a low probability of extant archaeological remains on the property.

¹ *Illinois: A Descriptive and Historical Guide*, ed. Harry Hansen, (New York, New York: Hastings House Publishers), 1974, p. 484.

Security

Security at SSG R.F. Walton USARC consists of chain link fencing topped with barbed wire surrounding Organizational Maintenance Shop and military equipment parking area.

Architectural Information

The buildings at SSG R.F. Walton USARC are constructed of concrete blocks and have brick veneer. There appear to have been no significant additions or alterations to the buildings since their original construction. The buildings are in good condition, but possess no significant architectural character or merit.

Reserve Center (IL026-004)

The Reserve Center functions as an administration office and drill facility for SSG R.F. Walton USARC. Constructed in 1960, it is a one-story rectangular building that rests on a concrete foundation and has concrete block walls and a brick veneer (Figure 108). Two entrances are located on the east and west sides of the building. Each consists of a pair of metal pedestrian doors located within a concrete tile entry that extends from the foundation to the roof gable. Additional entrances, with metal pedestrian doors, transoms, and sidelights are located on the north and south sides of the building. A series of two-light double-hung windows are located along the north and south sides of the structure. A moderate-pitched gable roof covers the building.

Organizational Maintenance Shop

The Organizational Maintenance Shop functions as a vehicle maintenance facility for SSG R.F. Walton USARC. Constructed in 1960, it is a one-story rectangular building that rests on a concrete foundation and has concrete block walls (Figure 109). A metal overhead retractable bay door is located on the east side of the building. In addition, a metal pedestrian door and two-light double hung windows with poured concrete slip sills are located on the north side of the building. A moderate-pitched gable roof covers the building.

Eligibility

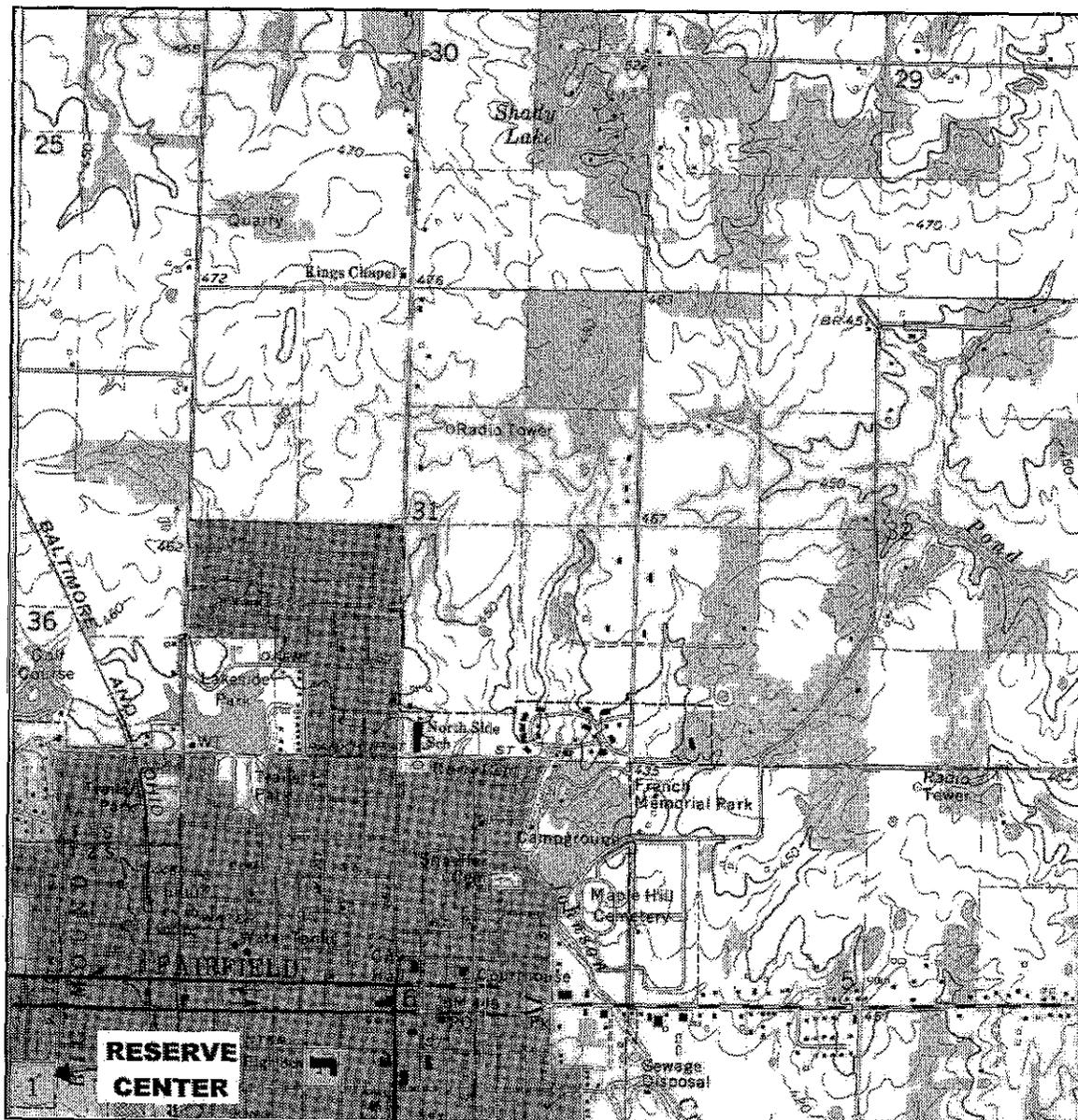
SSG R.F. Walton USARC does not meet the qualifications for nomination to the National Register of Historic Places, under Criteria A, B, C, or D, and thus is recommended not eligible to the National Register of Historic Places. A records search combined with an on-site investigation of the facility determined that there is no direct relationship between the facility and prehistoric or historic events (Criterion A), there is no association with significant persons involved in prehistoric or historic events (Criterion B), buildings on the facility are not architecturally or technologically significant (Criterion C), and the facility is unlikely to hold future research potential (Criterion D).

Recommendations

No additional review under Section 110 of the National Historic Preservation Act (NHPA) is recommended. However, additional review will be necessary if specific undertakings require compliance with Section 106 of the NHPA (36 CFR 800).

Sources

Illinois A Descriptive and Historic Guide. ed. Harry Hansen. New York, New York: Hastings House Publishers. 1974.



Fairfield, Ill. Quadrangle, USGS 7.5 Minute Series

Figure 107. Location of the SSG R.E. Walton USARC, Fairfield, WI.

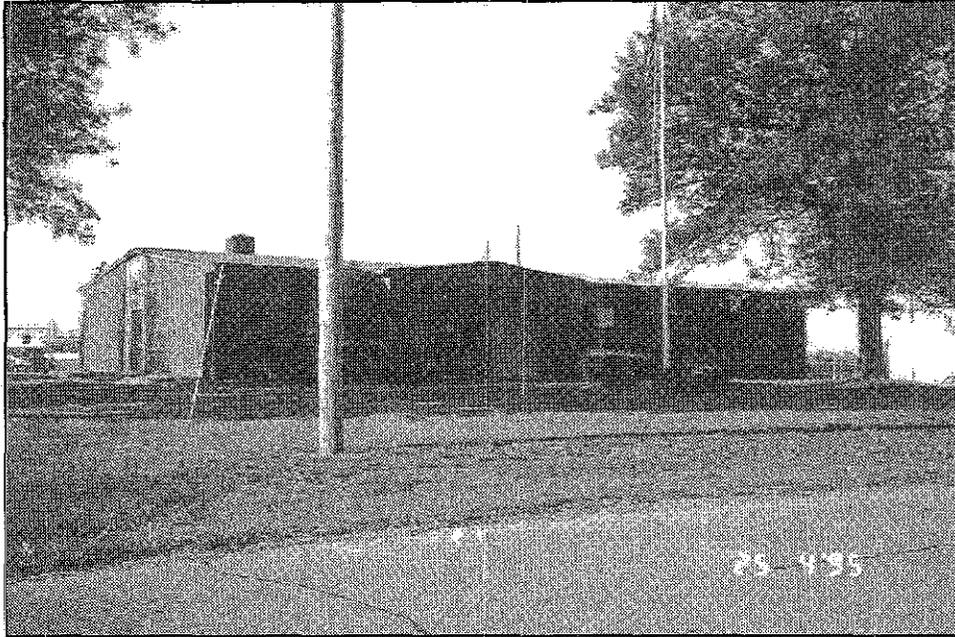


Figure 108. SSG R.E. Walton USARC, Reserve Center, facing SW

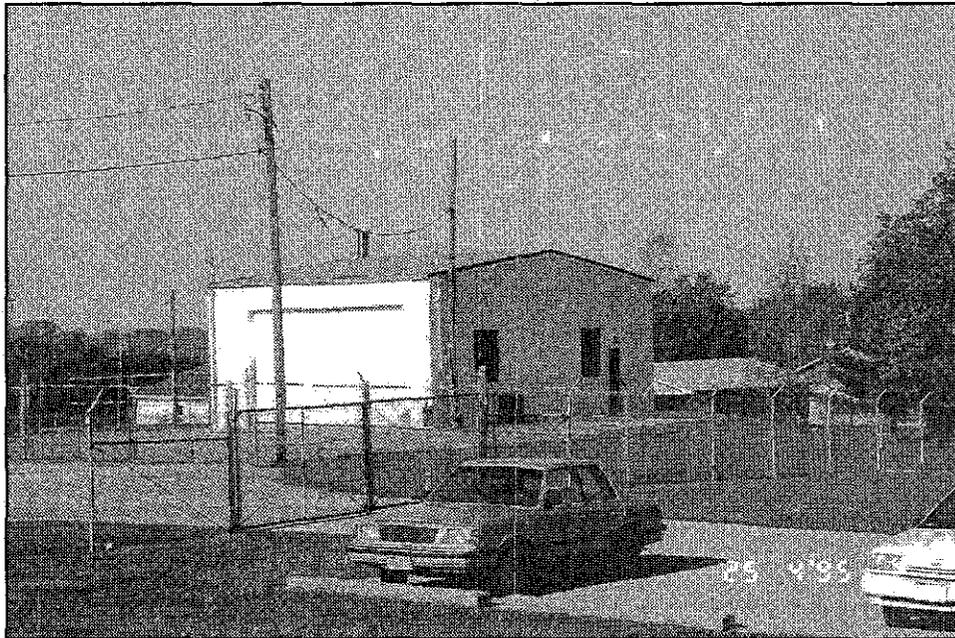


Figure 109. SSG R.E. Walton USARC, OMS, facing SW.

ENVIRONMENTAL SURVEY REPORT
ASBESTOS, PCB, LEAD BASED PAINT AND RADON SURVEY
88TH Regional Support Command
FAIRFIELD, ILLINOIS (IL-026)
ADMINISTRATION BUILDING & OMS BUILDING

PREPARED FOR:

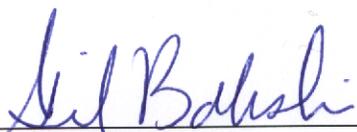
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Adecco Technical Task Order DAY A000003029





Gil Bakshi, MA
President
15 April 2005

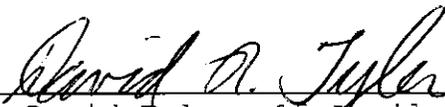
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Signature of Asbestos Inspector .



David Tyler 15 April 2005

1.0 INTRODUCTION

International Training Institute of South Florida, Inc. (ITI) has performed a site survey for the 88th Regional Support Command (RSC) property located at the USARC and OMS Buildings, Fairfield, IL (IL 026). ITI's work was based on a scope of work prepared by the 88th RSC and administered under Adecco Technical Task Order DAY A000003029.

2.0 PURPOSE

This report provides information concerning the potential types, quantities, locations, and condition of asbestos containing materials, polychlorinated biphenyls (PCBs), lead based paint (LBP) and radon.

The purpose of this document is to assist the 88th RSC in complying with federal and state regulations concerning Asbestos, PCBs, LBPs and Radon. ITI's evaluation is based on a site inspection, information obtained from available documentation located at the site and the 88th RSC, and interviews with persons knowledgeable about the current and past history of the site.

3.0 SITE DESCRIPTION

ADMINISTRATION BUILDING

This one story building has exterior brick walls, interior block walls with gypsum board and a built up roof. There are approximately 4,316 square feet of floor space.

OMS BUILDING

This one story building has interior block walls with a built up roof. There are approximately 1,325 square feet of floor space.

3.1 SCOPE OF WORK

ITI has conducted one or more of the following tasks at this site: collect radon samples, conduct a lead based paint inspection, identify PCBs and asbestos inspection.

- Conduct radon testing at all identified 88th RSC sites for radon gas concentration levels and review all previous radon test results provided by the government.
- Determine levels of radon gas by installing passive detection equipment (alpha track) in specific buildings of the selected facilities.
- Utilize the laboratory that supplied the alpha track radon detectors for analysis.

- Evaluate each facility by age to determine the potential for existence of lead based paint (LBP) and review any previous LBP surveys conducted by the government
- Where the potential for LBP is determined, ITI will conduct a visual inspection of all (but not limited to) of the following surfaces; doors, door casings and frames, walls, upper and lower, windows sashes, stair stringers, treads, and handrails, ceilings, vents, structural steel, HVAC ducts and window guards at each facility. Samples of suspect surfaces will be conducted by using a portable, on-site measuring instrument that uses X-Ray Fluorescence to determine the existence of LBP.
- Include all information observed as part of the final report to include all existing LBP and its condition, along with all sample locations (CAD drawings and/or field notes).
- Evaluate each facility by age to determine the potential for the existence of PCBs and review any previous PCB surveys conducted by the government.
- Where the potential for PCBs is determined, ITI will conduct a visual inspection of each facility to determine the existence of PCBs and identify all potential equipment. This will require ITI to randomly open one or more like types of equipment to visually confirm the existence of PCB containing material within the equipment.
- Include all information as part of the final report to include all equipment and its condition, potentially containing PCBs.
- Review all previous asbestos surveys conducted by the government.
- ITI will visually inspect each facility and visually verify all information found in previous surveys and note any variances and/or missing data.
- ITI will identify all asbestos containing materials (ACM) and any potential asbestos containing material (PACM), estimate the amount in the entire building and determine and record the condition of the ACM and PACM in the survey. Samples will be collected on friable PACM only. PACM identified in the significantly damaged and damaged conditions will be analyzed. Friable PACM in good condition will only be analyzed with the approval for the COR or his representative. ITI will maintain and store all samples collected until sent for analysis or authorized disposal by the COR or his representative. All samples not analyzed will be disposed of in accordance with all Federal, State and Local regulations. Any friable ACM or PACM in significantly damaged or damaged condition will be brought to the attention of the COR or his representative as soon as possible.
- ITI will include all information as part of the final report to include all existing ACM, any PACM and the condition of both existing asbestos and PACM.
- Installation and retrieval of government owned alpha track radon detectors.
- ITI must document all new data and integrate the 88th RSC information into the final report.

3.2 EXECUTIVE SUMMARY

ASBESTOS

Based on ITI's survey of the building, ITI has concluded the following materials contain asbestos:

ADMINISTRATION BUILDING

CONFIRMED ASBESTOS

- None

PRESUMED ASBESTOS

- Folding curtain room divider (FC-2)
 - Located between Rooms 5 and 6
 - Good condition, non friable, NF1
- Roofing Materials
 - Good condition, non friable, NF1
- Fire Doors
 - Good Condition
- Electrical Wiring

OMS BUILDING

CONFIRMED ASBESTOS

- None

PRESUMED ASBESTOS

- Roofing Materials
 - Good condition, non friable, NF1
- Fire Doors
 - Good condition
- Electrical Wiring

PCB'S

Based on ITI's survey of the building, ITI has concluded that the following types of transformers are located in the building:

ADMINISTRATION BUILDING

- Light Ballasts – Magnetek 44L-SLH-TC-P (No label, Assumed to contain PCB's)
- Light Ballasts – Ultramiser E323PI 120G-01 ("No PCB's" on label)

- Light Ballasts – Valmont Electric 8G102W (“No PCB’s” on label & No labels found)
- Light Ballasts – Howard Industries E4/32IS-120 (“No PCB’s” on label)
- Light Ballasts – Advance REL 2P32-RHTP (“No PCB’s” on label)

OMS BUILDING

- Light Ballasts – Non ballast fixtures, sodium lights

TRANSFORMERS

There are three transformers mounted on a pole, on the far left edge of the property. No number is visible on the pole. The transformers have no numbers on them. There is a blue label on each transformer, which is too small to read from the ground. Assumed to contain PCB’s.

LEAD BASED PAINTS

Based on ITI’s survey for LBP, ITI has concluded that the following building products contain LBP:

ADMINISTRATION BUILDING

- Exterior Fascia, Gutter and Soffit
 - Brown, Wood, Fair Condition
- Men’s Room Glazed Black and Beige Tile on Wall
 - Ceramic Tile, Good Condition
- Women’s Room Glazed Black and Beige Tile on Wall
 - Ceramic Tile, Good Condition

OMS BUILDING

- Exterior Doors
 - Metal, White, Fair Condition

RADON

Based on sampling results, ITI has concluded all radon results are below 4 pCi/l.

4.0 PREVIOUS INSPECTIONS

Below are the records for previous inspections conducted at this site.

4.1 ASBESTOS

- NO PREVIOUS INSPECTIONS

4.2 PCB'S

- NO PREVIOUS INSPECTIONS

4.3 LEAD BASED PAINT

- NO PREVIOUS INSPECTIONS.

4.4 RADON

- NO PREVIOUS INSPECTIONS

5.0 ASBESTOS CONTAINING MATERIALS

During this survey conducted on 27 June 2002 and 31 March 2005, ITI accredited building inspectors Mr. Angel Menendez (License Number 100-9988) and Mr. David Tyler (License Number 100-10757) performed a walk-through of the subject building. This was performed in order to identify and delineate locations of homogeneous materials suspected of containing asbestos. A homogeneous material is defined as material that presents similar distinguishing features such as contents. Once homogeneous materials were identified, Mr. Menendez and Mr. Tyler collected bulk samples from these materials in order to confirm the presence or absence of asbestos. Samples were collected in accordance with U.S. Environmental Protection Agency (EPA) and Occupational Safety and Health Administration (OSHA).

BULK SAMPLES

During the Inspection, sampling locations were recorded on floor plans and are identified in Appendix A of this report.

A.E.S.L., Inc. located in Phoenix, AZ is the laboratory ITI used for analysis of bulk samples. This independent laboratory successfully participates in the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos sample analysis. The samples are analyzed using Polarized Light Microscopy (PLM) analysis methodology coupled with dispersion staining solutions to distinguish the unique optical properties of mineral forms. Employing this method of analysis allows asbestos fiber characteristics to colonize, which enables the microscopist to verify the presence or absence, quantity and

type of asbestos in the samples. Any product that contains more than one percent asbestos is considered to be ACM by EPA & OSHA. ITI performed QA/QC sampling for the total collected bulk samples (minimum of 10%). PLM results will be located in Appendix A to this report.

5.1 ASSESSMENT METHODOLOGY

All Asbestos Containing Building Materials (ACBM) were classified into the following three types of suspect materials:

1. Surfacing Materials
2. Thermal System Insulation (TSI)
3. Miscellaneous Materials

ACM identified during the building survey was assessed according to the protocol described in 40 CR 763. The protocol evaluates the risk of exposure to airborne asbestos fibers by assessing the condition of each ACM and potential for that ACM to be disturbed and generate fibers. ACM was assessed according to each of the following factors:

- (1) Damaged or significantly damaged thermal system insulation ACM.
- (2) Damaged friable surfacing ACM.
- (3) Significantly damaged friable surfacing ACM.
- (4) Damaged or significantly damaged friable miscellaneous ACM.
- (5) ACBM with potential for damage.
- (6) ACBM with potential for significant damage.
- (7) Any remaining friable ACBM or friable suspected ACBM.

ASSESSING CONDITION AND FRIABILITY

NATIONAL EMISSIONS FOR HAZARD AIR POLLUTANTS, 40 CFR Part 61, Subpart M, definitions for asbestos:

- Friable (F): ACM that can be crumbled, crushed, or reduced to powder by hand pressure.
- Nonfriable Category 1(NF1): Asbestos containing packing, gaskets, resilient floor coverings, asphalt roofing products, caulks, and mastics. These bituminous materials

are assumed to remain nonfriable if demolition is performed using “normal” methods, but will become friable if severely weathered, sanded, or abraded.

- Nonfriable Category 2 (NF2): ACM excluding Category 1 nonfriable ACM, that, when dry and in its present form, cannot be crumbled, pulverized or reduced to powder by hand pressure; however, these materials may become friable during demolition activities. These products include Transite board and asbestos cement products.

The condition of ACM including severity and extent of damage is classified into one of the following categories:

- Significantly Damaged: ACM that is crumbled, blistered, gouged, marred, delaminated, or otherwise damaged either uniformly or locally over a substantial portion of its surface area.
- Damaged: ACM that is crumbled, blistered, gouged, marred, delaminated, or otherwise damaged either uniformly or locally over a small portion of its surface area.
- Good: ACM with very little or no damage.
- Potential for Disturbance: The potential for disturbance of each ACM was evaluated with respect to the types and frequency of occupancy, whether the ACM was accessible to area occupants, including vibration and air erosion.

5.2 ASBESTOS CONTAINING MATERIALS

ADMINISTRATION BUILDING

CONFIRMED ASBESTOS

- None

PRESUMED ASBESTOS

- Folding curtain room divider (FC-2)
 - Located between Rooms 5 and 6
 - Good condition, non friable, NF1
- Roofing Materials
 - Good condition, non friable, NF1
- Fire Doors
 - Good Condition
- Electrical Wiring

OMS BUILDING

CONFIRMED ASBESTOS

- None

PRESUMED ASBESTOS

- Roofing Materials
 - Good condition, non friable, NF1
- Fire Doors
 - Good condition
- Electrical Wiring

5.3 NON ASBESTOS CONTAINING MATERIAL

- 12" x 12" Floor tile, tan with brown streaks; black mastic and yellow mastic (VFT-1)
- 6" Black baseboards; brown mastic (BB-1)
- Plaster walls (PW-1)
- Plaster ceilings (CM-1)
- Gypsum wallboard ceilings and components (CM-2)
- Gypsum panels below roof, inside rafters (CM-3)
- 2' x 4' White ceiling tiles (CT-1)
- 2' x 2' White interlocking ceiling tiles, smooth surface (CT-2)
- Folding curtain room divider between Classrooms 1 and 2 (FC-1)
- White vibration damping cloth on air handler in Boiler Room (VDC-1)
- Exterior grey caulk around concrete panels surrounding doors (DC-1)
- Exterior black caulk around window frames (WC-1)
- Fiberglass insulation on air ducts and water pipes
- Black foam rubber on hot water pipes

6.0 POLYCHLORINATED BIPHENYL

PCBs are mixtures of chlorinated biphenyls that are relatively nonflammable and have useful heat exchange and dielectric properties. PCBs were used in the electric industry as dielectric fluid in capacitors and transformers until 1976, when PCBs were banned from use because of their carcinogenic properties. PCBs were also used in the formulation of lubricating oils, pesticides, adhesives, plastics, inks, paints, and sealants. ITI inventoried electrical transformers and light ballasts as part of its scope.

The primary uses of potential PCB materials are associated with transformers (i.e., pad-, pole-, or wall-mounted) or light ballast. ITI recorded available information, such as the manufacturer, serial and model number, condition, date of manufacture, and location of potential PCB-containing equipment.

The principal requirements for PCB management are detailed in the Toxic Substances Control Act (TSCA) federal regulatory program, Title 40; Subchapter R, Part 761, Code of Federal Regulations (CFR). CFR Title 40 Part 761 establishes regulations for the use, storage, removal, disposal, and testing of PCB-containing equipment.

ITI used these management requirements regarding onsite PCB management as guidelines during the Site investigation.

6.1 PCB INVENTORY

ITI personnel observed the following: - Refer to drawing in Appendix B for inspection locations.

ADMINISTRATION BUILDING

- Light Ballasts – Magnetek 44L-SLH-TC-P (No label, Assumed to contain PCB's)
- Light Ballasts – Ultramiser E323PI 120G-01 ("No PCB's" on label)
- Light Ballasts – Valmont Electric 8G102W ("No PCB's" on label & No labels found)
- Light Ballasts – Howard Industries E4/32IS-120 ("No PCB's" on label)
- Light Ballasts – Advance REL 2P32-RHTP ("No PCB's" on label)

OMS BUILDING

- Light Ballasts – Non ballast fixtures, sodium lights

TRANSFORMERS

There are three transformers mounted on a pole, on the far left edge of the property. No number is visible on the pole. The transformers have no numbers on them. There is a blue label on each transformer, which is too small to read from the ground. Assumed to contain PCB's.

7.0 LEAD BASED PAINT

During this survey, ITI inspector, Mr. Narciso Martinez performed a walk-through of the subject building on 16 July 2002 for LBP. This was performed in order to identify and delineate locations that would be sampled for lead based paint.

During the Inspection, sampling locations were recorded on working drawings and are identified in Appendix C of this report.

Samples were taken using an X-ray Fluorescence (XRF) Analyzer RMD Model LPA-1 (Serial Number 01908) manufactured by RMD, Inc. of Watertown, MA. An XRF analyzer works by exposing a paint surface to radiation emitted from a sealed source inside the instrument. The source of this radiation is cobalt-57 isotope. This radioactive material spontaneously emits energy in the form of X rays and gamma rays. When these rays are released from an XRF analyzer and hit a painted surface, the elements in the paint matrix - which can include lead - are excited and respond by emitting energy in the form of X rays characteristic of each of the elements. This response is known as Fluorescence.

In 1990 the Department of Housing and Urban Development issued the first comprehensive document addressing lead based paint in housing. This document, Lead based paint: Interim Guidelines for Hazard Identification and Abatement in Public and Indian Housing established criteria for conducting lead based paint inspections in public and Indian housing.

This Interim Guidelines described how to conduct a lead based paint inspection. State and Federal regulations use the XRF analyzer or laboratory analysis and specify a reading of 1.0 milligrams per square centimeter (XRF) and 0.5 percent by weight (Paint Chips) as the levels that require abatement.

See Appendix C for XRF report.

7.1 LEAD BASED PAINT

Based on ITI's survey for LBP, ITI has concluded that the following building products contain LBP :

ADMINISTRATION BUILDING

- Exterior Fascia, Gutter and Soffit
 - Brown, Wood, Fair Condition
- Men's Room Glazed Black and Beige Tile on Wall
 - Ceramic Tile, Good Condition
- Women's Room Glazed Black and Beige Tile on Wall
 - Ceramic Tile, Good Condition

OMS

- Exterior Doors
 - Metal, White, Fair Condition

7.2 RESPONSIBLE AGENCIES

Various groups and governmental bodies have responsibilities for conducting, evaluating the quality of, or developing a hazard control strategy based upon lead based paint testing. These groups include, but not limited to the following:

- State, Indian tribe, and local governments;
- The US Department of Housing and Urban Development (HUD);
- The US Environmental Protection Agency (EPA);
- Housing authorities;
- Homeowners and landlords; and
- Lead based paint inspectors, risk assessors, and hazard control contractors.

8.0 RADON

Radon is formed from the radioactive decay of radium, a breakdown product of uranium found in minute quantities in most soils. Because radon is an inert gas, it does not react with soil; soil merely serves as a channel through which the gas moves. Soil composition alone is not a good indicator of potential indoor radon problems because radon levels can vary considerably, by as much as a factor of 20 to 100, in the same geographic area.

The EPA regulates the maximum allowable exposure levels for radon and recommends that action be taken to reduce the levels if radon concentrations in a structure that exceeds 4 picocuries per liter (pCi/l) in air.

The objective of the Army Radon Reduction Program (ARRP) is to identify and modify all building structures owned or leased by the Army that have indoor radon concentrations greater than 4 pCi/l. According to the ARRP, if the radon concentration is 4 pCi/l or less and the measured building is geologically and structurally representative of the installation, no further action is required. ITI has conducted radon surveys at this site on 2 February, 2002, which included placement, retrieval, and analysis of alpha track canisters, which detect alpha particles emitted from radon.

Laboratory results indicate that all radon canisters contain concentrations of less than 4.0 pCi/l.

See Appendix D for Radon Results

- There were no results over 4 pCi/l.

9.0 ACTION SUMMARY

ASBESTOS

Based on ITI's survey of the building, ITI has concluded the following materials contain asbestos:

ADMINISTRATION BUILDING

CONFIRMED ASBESTOS

- None

PRESUMED ASBESTOS

- Folding curtain room divider (FC-2)
 - Located between Rooms 5 and 6
 - Good condition, non friable, NF1
- Roofing Materials
 - Good condition, non friable, NF1
- Fire Doors
 - Good Condition
- Electrical Wiring

OMS BUILDING

CONFIRMED ASBESTOS

- None

PRESUMED ASBESTOS

- Roofing Materials
 - Good condition, non friable, NF1
- Fire Doors
 - Good condition
- Electrical Wiring

Based on the findings above, ITI recommends the following:

- Observations for detected asbestos were based on visible and accessible materials; therefore, asbestos containing materials may be present in inaccessible areas such as ceiling plenums, crawl spaces, attics, etc.
- An imminent asbestos hazard was not present at the facility during the site visit.
- Develop and Implement an O & M Plan.

Based on the asbestos present in the building, ITI recommends the following:

- Develop and implement an O & M Plan for all known and suspect ACM

There are three primary objectives of the O & M program: (1) clean up existing contamination (2) minimize further fiber release by controlling access to ACM, and (3) maintain ACM until it is eventually removed. Properly prepared and implemented, this plan will document the building owner's prudence in dealing with asbestos in the building.

PCB'S

Based on ITI's survey of the building, ITI has concluded that the following types of transformers are located in the building:

ADMINISTRATION BUILDING

- Light Ballasts – Magnetek 44L-SLH-TC-P (No label, Assumed to contain PCB's)
- Light Ballasts – Ultramiser E323PI 120G-01 ("No PCB's" on label)
- Light Ballasts – Valmont Electric 8G102W ("No PCB's" on label & No labels found)
- Light Ballasts – Howard Industries E4/32IS-120 ("No PCB's" on label)
- Light Ballasts – Advance REL 2P32-RHTP ("No PCB's" on label)

OMS BUILDING

- Light Ballasts – Non ballast fixtures, sodium lights

TRANSFORMERS

There are three transformers mounted on a pole, on the far left edge of the property. No number is visible on the pole. The transformers have no numbers on them. There is a blue label on each transformer, which is too small to read from the ground. Assumed to contain PCB's.

Based on the findings above, ITI recommends the following:

- Observations for PCB's was based on visible and accessible materials, therefore, PCB's may be present in other ballasts not observed.
- An imminent PCB hazard was not present at the facility during the site visit.
- Any ballast not labeled "Non PCB's" must be handled according to Federal and State regulations for proper disposal.

Based on the labels found on the transformers, ITI recommends the following:

Several light ballasts do not have a label stating the absence of PCBs. Without this statement the ballast is presumed to contain PCBs and must be handled accordingly. Additional testing may be required before this ballast is disturbed or disposed. At a minimum, requirements of 40 CFR 761 must be followed should sampling be required.

LEAD BASED PAINTS

Based on ITI's survey for LBP, ITI has concluded that the following building products contain LBP:

ADMINISTRATION BUILDING

- Exterior Fascia, Gutter and Soffit
 - Brown, Wood, Fair Condition
- Men's Room Glazed Black and Beige Tile on Wall
 - Ceramic Tile, Good Condition
- Women's Room Glazed Black and Beige Tile on Wall
 - Ceramic Tile, Good Condition

OMS

- Exterior Doors
 - Metal, White, Fair Condition

Based on the findings above, ITI recommends the following:

- Observations for LBP's were based on visible and accessible materials, therefore, LBP's may be present in inaccessible areas.
- An imminent LBP hazard was not present at the facility during the site visit.
- Workers need to take appropriate safe guards when working, i.e., cutting, grinding, sanding, welding, etc., on areas identified with LBP.
- Conduct a TCLP for all areas identified with LBP prior to disposal.

RADON

Based on ITI's survey, ITI has concluded all radon results are below 4 pCi/l.

Based on the findings above, ITI recommends the following:

- An imminent Radon hazard was not present at the facility during the site visit.
- According to the survey data as provided in Appendix D, there were no results over 4 pCi/l for this location.

10.0 WARRANTY

The field and laboratory results reported herein (only if samples are collected and/or analyzed) are considered sufficient in detail and scope to determine the presence of accessible and/or exposed suspect asbestos, PCB's, LBPs or radon gas in the facility. ITI warrants that the findings contained herein have been prepared in general accordance with accepted professional practices at the time of its preparation as applied by similar professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed into this report.

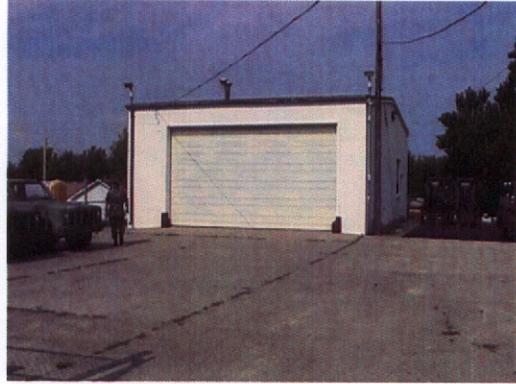
The survey and analytical methods have been used to provide the client with information regarding the presence of accessible and/or exposed suspect asbestos, lead, PCB's or radon in the facility at the time of the inspection. Test results are valid only for material tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study or which were not apparent during the site visit. This inspection covered only suspect accessible materials with no destructive survey techniques. The study is also limited to the information available from the client at the time it was conducted.

This report is not intended to be an asbestos, lead based paint, PCB or Radon risk assessment, management plan or project design document and should not be used for the purpose of obtaining quotes.

11.0 PHOTOS



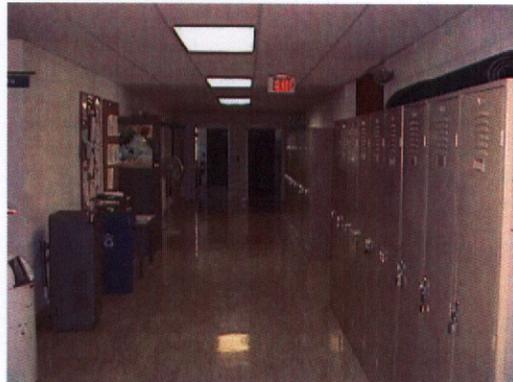
USARC Exterior



OMS Exterior



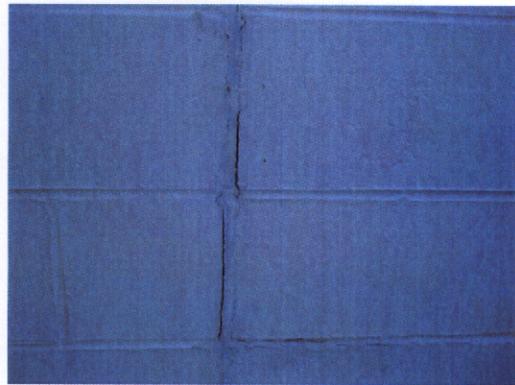
Vibration damping cloth in USARC
Presumed to contain asbestos



Tan Vinyl Tile and mastic in USARC
Non asbestos



Fiberglass Insulation in USARC
Non asbestos



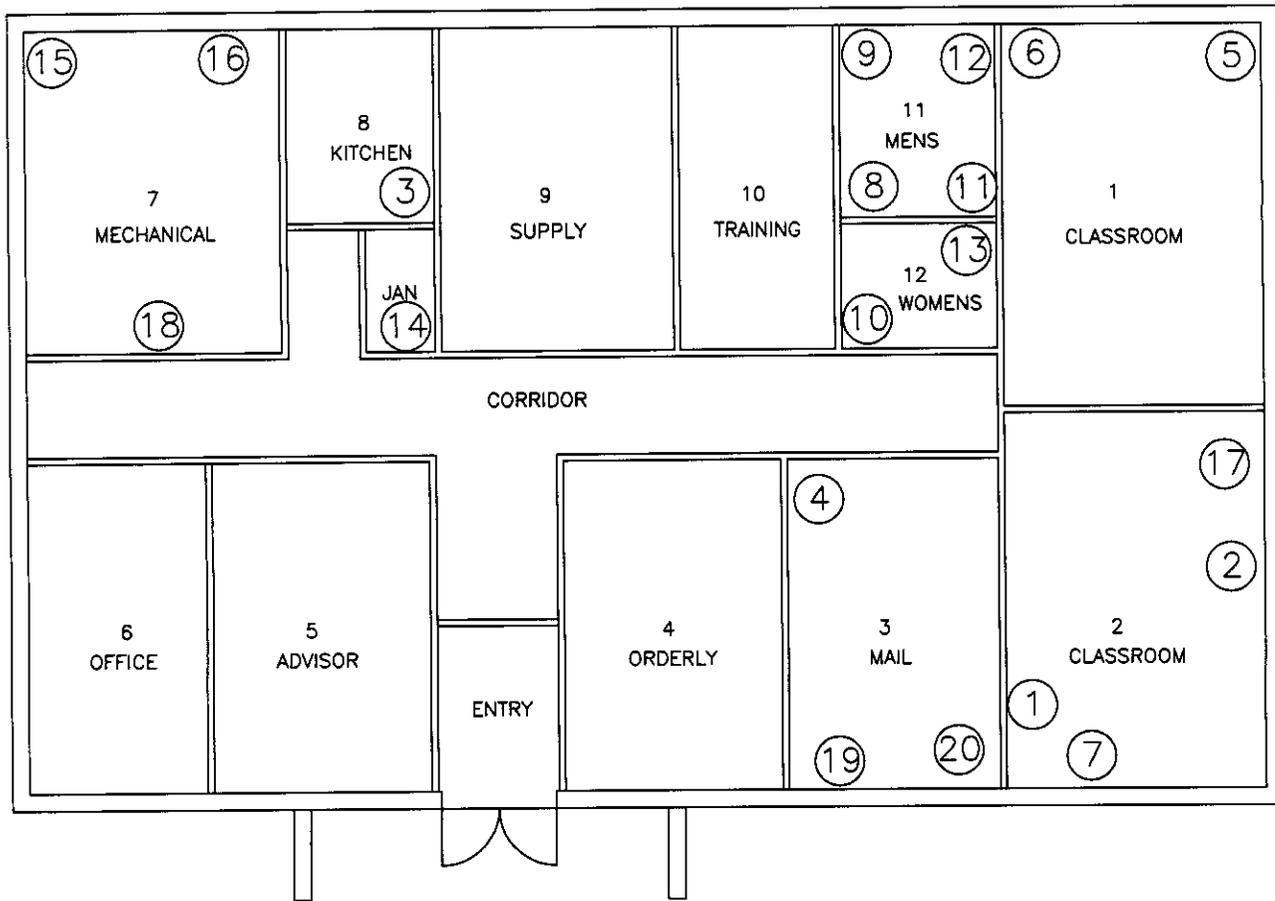
Exterior expansion joint caulk in OMS
Non asbestos

APPENDIX A

Illinois Facility - Asbestos Summary

FAC ID	Building	Confirmed ACM	Location	Condition
IL-026	USARC	None		
	OMS	None		
FAC ID	Building	Presumed ACM	Location	Condition
IL-026	USARC	Folding curtain room divider (FC-2) White vibration damping cloth (VDC-1) Roofing materials Fire doors Electrical coatings on wires	Located between Rooms 5 and 6 Located on air handler in Boiler Room Entire roof Located throughout Located throughout	Good Good Good Good Good
	OMS	Roofing materials Fire doors Electrical coatings on wires	Entire roof Located throughout Located throughout	Good Good Good

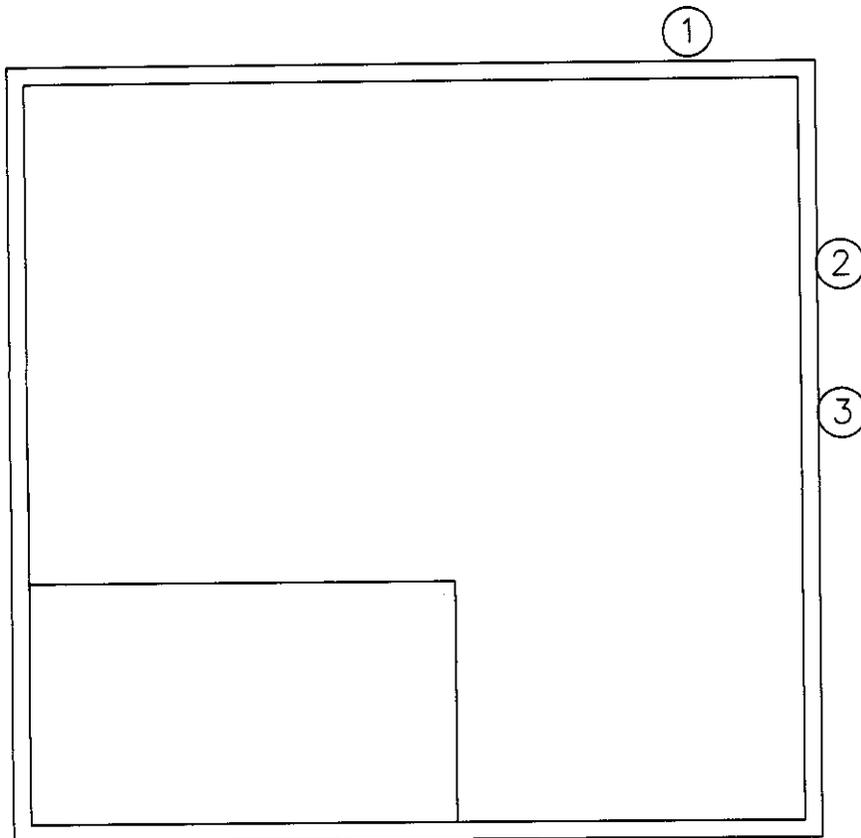
① = Sampled Asbestos Locations
taken on : 3-31-04



ADMINISTRATION BUILDING

<p>2710 Central Ave St Petersburg, Florida 33704</p>	<p>USARC IL-026-001 ADMINISTRATION BUILDING</p>	<p>Sampled Asbestos Locations</p>
--	--	--

① = Sampled Asbestos Locations
taken on : 3-31-04



OMS BUILDING

2710 Central Ave
St Petersburg, Florida
33704

USARC IL-026-002
OMS

Sampled Asbestos
Locations

SCALE: NTS

BULK ASBESTOS ANALYSIS SUMMARY REPORT

CLIENT NAME: ITI of South Florida, Inc.
 2710 Central Avenue
 St. Petersburg, Florida 33712

DATE OF RECEIPT: April 14, 2005
SAMPLE CONDITION: Good
DATE ANALYZED: April 15, 2005

A.E.S.L. LABORATORY #: 05-A308

PROJECT: ADECCO IL—026 USARC

A.E.S.L. LAB SAMPLE ID #	CLIENT SAMPLE ID #	SAMPLE DESCRIPTION & COLOR	TEST RESULTS		OTHER MATERIALS
			Pos. / Neg.	% & Type	
A308-1 a	IL-026-1 a	VFT-1-1 – White Tile	Negative	-----	100% Non-Fibrous
A308-1 b	IL-026-1 b	Black Mastic	Negative	-----	100% Non-Fibrous
A308-2 a	IL-026-2 a	VFT-1-2 – White Tile	Negative	-----	100% Non-Fibrous
A308-2 b	IL-026-2 b	Black Mastic	Negative	-----	100% Non-Fibrous
A308-3 a	IL-026-3 a	VFT-1-3 – White Tile	Negative	-----	100% Non-Fibrous
A308-3 b	IL-026-3 b	Black Mastic	Negative	-----	100% Non-Fibrous
A308-4 a	IL-026-4 a	BB-1 – Black Cove	Negative	-----	100% Non-Fibrous
A308-4 b	IL-026-4 b	Yellow Mastic	Negative	-----	100% Non-Fibrous
A308-5	IL-026-5	CT-2-1 – White/Yellow Material	Negative	-----	95% Fibrous Glass 5% Non-Fibrous
A308-6	IL-026-6	CT-2-2 – White/Yellow Material	Negative	-----	95% Fibrous Glass 5% Non-Fibrous
A308-7	IL-026-7	CT-2-3 – White/Yellow Material	Negative	-----	95% Fibrous Glass 5% Non-Fibrous
A308-8 a	IL-026-8 a	PW-1-1 – White Material	Negative	-----	100% Non-Fibrous
A308-8 b	IL-026-8 b	Gray Material	Negative	-----	2% Cellulose 98% Non-Fibrous
A308-9 a	IL-026-9 a	PW-1-2 – White Material	Negative	-----	100% Non-Fibrous
A308-9 b	IL-026-9 b	Gray Material	Negative	-----	2% Cellulose 98% Non-Fibrous
A308-10 a	IL-026-10 a	PW-1-3 – White Material	Negative	-----	100% Non-Fibrous
A308-10 b	IL-026-10 b	Gray Material	Negative	-----	2% Cellulose 98% Non-Fibrous
A308-11	IL-026-11	CM-1-1 – White Material	Negative	-----	2% Cellulose 98% Non-Fibrous
A308-12	IL-026-12	CM-1-2 – White Material	Negative	-----	2% Cellulose 98% Non-Fibrous
A308-13	IL-026-13	CM-1-3 – White Material	Negative	-----	2% Cellulose 98% Non-Fibrous
A308-14	IL-026-14	CM-2-1 – White Material	Negative	-----	2% Cellulose 98% Non-Fibrous
A308-15	IL-026-15	CM-2-2 – White Material	Negative	-----	2% Cellulose 98% Non-Fibrous
A308-16	IL-026-16	CM-2-3 – White Material	Negative	-----	2% Cellulose 98% Non-Fibrous

A.E.S.L. LAB SAMPLE ID #	CLIENT SAMPLE ID #	SAMPLE DESCRIPTION & COLOR	TEST RESULTS		OTHER MATERIALS
			Pos. / Neg.	% & Type	
A308-17	IL-026-17	FC-1 – Gray Material	Negative	-----	20% Cellulose 80% Non-Fibrous
A208-18	IL-026-18	VDC-1 – White Material	Negative	-----	20% Synthetic Fibers 80% Non-Fibrous
A308-19	IL-026-19	CM-3-1 – White Material	Negative	-----	10% Cellulose 90% Non-Fibrous
A308-20	IL-026-20	CM-3-2 – White Material	Negative	-----	10% Cellulose 90% Non-Fibrous
A308-21	IL-026-21	WC-1 – Gray Material	Negative	-----	1% Cellulose 99% Non-Fibrous
A308-22	IL-026-22	DC-1 – Gray Material	Negative	-----	1% Cellulose 99% Non-Fibrous

Method: Polarized Light Microscopy, EPA Method 600/R-93/116

The result quantitations reported are an estimation based on the methods of visual microscopic estimation, which is considered only a semi-quantitative technique. Also, this report is indicative only of the sample material A.E.S.L. Laboratory received. Results do not necessarily reflect the makeup of the entire span of the material from which the samples were derived. Sampling techniques and/or sample handling may affect the integrity of the sample/s before submission to A.E.S.L. Laboratory and hence the outcome of the laboratory results. Samples not destroyed by testing are retained a minimum of thirty days.

A.E.S.L. Laboratory, recommends re-analysis by point count or Transmission Electron Microscopy (TEM) for materials that are found to contain less than ten percent (<10%) asbestos by PLM.

This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of A.E.S.L.

Analyzed by: 
 Shawn Kearney

C:\DATA\AESLABULK\05-A000\05-A308.DOC

Turnaround Time: RUSH Same Day 24 Hour 48 hr

Stop @ First Positive
 Read All Samples

BULK ASBESTOS SAMPLE

CHAIN OF CUSTODY

Page 1 of 2

A.E.S.L. LABORATORY # : 05-4308

Client Name: III of South Florida, Inc. Contact: Dave Tyler Phone: (727) 586-7500 Fax: (727) 581-0764
 Address: 2710 Central Avenue City: St. Petersburg State: Florida Zip: 33712

PROJECT: ADECCO PROJECT ID: 12-026 USARC DATE SAMPLES TAKEN: 4-1-05

SAMPLES REC'D #: 22 DATE REC'D: 4-14-05 CONDITION: Good SAMPLES ACCEPTED (Y, N): (Y) IF NO, WHY?

*** SAMPLES TO BE RETURNED TO CLIENT AFTER 30 DAYS OR DISPOSED OF BY A.E.S.L. (D R) : ***
 (IF NOT SPECIFIED WILL AUTOMATICALLY BE DISPOSED OF AFTER 30 DAYS)

A.E.S.L. Sample #	Client ID #	Sample Location	Sample Description	A.E.S.L. Sample #	Client ID #	Sample Location	Sample Description
	<u>12-026-1</u>		<u>VFT-1-1</u>		<u>12-026-10</u>		<u>PW-1-3</u>
	<u>-2</u>		<u>VFT-1-2</u>		<u>-11</u>		<u>CM-1-1</u>
	<u>-3</u>		<u>VFT-1-3</u>		<u>-12</u>		<u>CM-1-2</u>
	<u>-4</u>		<u>BB-1</u>		<u>-13</u>		<u>CM-1-3</u>
	<u>-5</u>		<u>CT-2-1</u>		<u>-14</u>		<u>CM-2-1</u>
	<u>-6</u>		<u>CT-2-2</u>		<u>-15</u>		<u>CM-2-2</u>
	<u>-7</u>		<u>CT-2-3</u>		<u>-16</u>		<u>CM-2-3</u>
	<u>-8</u>		<u>PW-1-1</u>		<u>-17</u>		<u>FC-1</u>
	<u>-9</u>		<u>PW-1-2</u>		<u>-18</u>		<u>VDC-1</u>

A.E.S.L. Environmental Laboratory
 800 North Mary Street
 Tempe, Arizona 85281

RELINQUISHED BY: Dave Tyler Time: 11 AM DATE: 4-11-05
 RECEIVED BY: CA Time: _____ DATE: 4-14-05

Turnaround Time: RUSH Same Day 24 Hour 48 Hrs Stop @ First Positive Read All Samples

BULK ASBESTOS SAMPLE

CHAIN OF CUSTODY

A.E.S.L. LABORATORY # : 05-A308 Page 2 of 2

Client Name: III of South Florida, Inc. Contact: Dave Tyler Phone: (727) 586-7500 Fax: (727) 581-0764
 Address: 2710 Central Avenue City: St. Petersburg State: Florida Zip: 33712

PROJECT: ADECCO PROJECT ID: 1L-026 USARC DATE SAMPLES TAKEN: 4-1-05

SAMPLES REC'D (#): _____ DATE REC'D: _____ CONDITION: _____ SAMPLES ACCEPTED (Y , N) : _____ IF NO, WHY? _____

*** SAMPLES TO BE RETURNED TO CLIENT AFTER 30 DAYS OR DISPOSED OF BY A.E.S.L. (D R) : _____ ***
 (IF NOT SPECIFIED WILL AUTOMATICALLY BE DISPOSED OF AFTER 30 DAYS)

A.E.S.L. Sample #	Client ID #	Sample Location	Sample Description	A.E.S.L. Sample #	Client ID #	Sample Location	Sample Description
	<u>1L-026-19</u>		<u>CM-3-1</u>				
	<u>-20</u>		<u>CM-3-2</u>				
	<u>-21</u>		<u>WC-1</u>				
	<u>-22</u>		<u>DC-1</u>				

A.E.S.L. Environmental Laboratory
 800 North Mary Street
 Tempe, Arizona 85281

RELINQUISHED BY: Dave Tyler Time: 11 AM DATE: 4-11-05
 RECEIVED BY: CA Time: _____ DATE: 4-14-05

BULK ASBESTOS ANALYSIS SUMMARY REPORT

CLIENT NAME: ITI of South Florida, Inc.
 2710 Central Avenue
 St. Petersburg, Florida 33712

DATE OF RECEIPT: April 14, 2005
SAMPLE CONDITION: Good
DATE ANALYZED: April 15, 2005

A.E.S.L. LABORATORY #: 05-A309

PROJECT: ADECCO IL-026 OMS

A.E.S.L. LAB SAMPLE ID #	CLIENT SAMPLE ID #	SAMPLE DESCRIPTION & COLOR	TEST RESULTS		OTHER MATERIALS
			Pos. / Neg.	% & Type	
A309-1	IL-026OMS-1	DC-1 - Gray/Brown Material	Negative	-----	100% Non-Fibrous
A309-2	IL-026OMS-2	WC-1 - Brown Material	Negative	-----	2% Cellulose 98% Non-Fibrous
A309-3	IL-026OMS-3	EJ-1 - Gray Material	Negative	-----	100% Non-Fibrous

Method: Polarized Light Microscopy, EPA Method 600/R-93/116

The result quantitations reported are an estimation based on the methods of visual microscopic estimation, which is considered only a semi-quantitative technique. Also, this report is indicative only of the sample material A.E.S.L. Laboratory received. Results do not necessarily reflect the makeup of the entire span of the material from which the samples were derived. Sampling techniques and/or sample handling may affect the integrity of the sample/s before submission to A.E.S.L. Laboratory and hence the outcome of the laboratory results. Samples not destroyed by testing are retained a minimum of thirty days.

A.E.S.L. Laboratory, recommends re-analysis by point count or Transmission Electron Microscopy (TEM) for materials that are found to contain less than ten percent (<10%) asbestos by PLM.

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Analyzed by: 
 Shawn Kearney

C:\DATA\AESL\BULK\05-A000\05-A309.DOC

Turnarou. Time: RUSH Same Day 24 Hour 48 hr

Stop @ First Positive
 Read All Samples

BULK ASBESTOS SAMPLE

CHAIN OF CUSTODY

A.E.S.L. LABORATORY # : 05-A309

Page 1 of 1

Client Name: III of South Florida, Inc. Contact: Dave Tyler Phone: (727) 586-7500 Fax: (727) 581-0764
 Address: 2710 Central Avenue City: St. Petersburg State: Florida Zip: 33712

PROJECT: ADECCO PROJECT ID: 14-026 OMS DATE SAMPLES TAKEN: 4-1-05

SAMPLES REC'D (#): 3 DATE REC'D: 4-14-05 CONDITION: Good SAMPLES ACCEPTED (Y, N): (Y, N) IF NO, WHY? _____

*** SAMPLES TO BE RETURNED TO CLIENT AFTER 30 DAYS OR DISPOSED OF BY A.E.S.L. (D R) : _____ ***
 (IF NOT SPECIFIED WILL AUTOMATICALLY BE DISPOSED OF AFTER 30 DAYS)

A.E.S.L. Sample #	Client ID #	Sample Location	Sample Description	A.E.S.L. Sample #	Client ID #	Sample Location	Sample Description
	<u>14-026 OMS-1</u>		<u>DC-1</u>				
	<u>-2</u>		<u>WC-1</u>				
	<u>-3</u>		<u>EJ-1</u>				

A.E.S.L. Environmental Laboratory
 800 North Mary Street
 Tempe, Arizona 05281

RELINQUISHED BY: Dave Tyler Time: 11 AM DATE: 4-14-05
 RECEIVED BY: _____ Time: _____ DATE: 4-14-05

BULK ASBESTOS ANALYSIS SUMMARY REPORT

CLIENT NAME: I.T.I.
 514 First Avenue SW
 Largo, Florida 33770

DATE OF RECEIPT: July 11, 2002
SAMPLE CONDITION: Good
DATE ANALYZED: July 12, 2002

A.E.S.L. LABORATORY #: 02-A753

PROJECT: Walton ARC
 Fairfield, IL

A.E.S.L. LAB SAMPLE ID #	CLIENT SAMPLE ID #	SAMPLE DESCRIPTION & COLOR	TEST RESULTS		OTHER MATERIALS
			Pos. / Neg.	% & Type	
A753-1	F 01	2 x 4 White and Tan Ceiling Tile	Negative	-----	20% Cellulose 20% Mineral Wool 60% Non-Fibrous
A753-2	F 02	2 x 4 White and Tan Ceiling Tile	Negative	-----	20% Cellulose 20% Mineral Wool 60% Non-Fibrous

Legend: NAAPCR - Not analyzed as per customer request

Comment:

Method: Polarized Light Microscopy, EPA Method 600/R-93/116

The result quantitations reported are an estimation based on the methods of visual microscopic estimation which is considered only a semi-quantitative technique. Also, this report is indicative only of the sample material A.E.S.L. Laboratory received. Results do not necessarily reflect the makeup of the entire span of the material from which the samples were derived. Sampling techniques and/or sample handling may affect the integrity of the sample/s before submission to A.E.S.L. Laboratory and hence the outcome of the laboratory results. Samples not destroyed by testing are retained a minimum of thirty days.

A.E.S.L. Laboratory, recommends re-analysis by point count or Transmission Electron Microscopy (TEM) for materials that are found to contain less than ten percent (<10%) asbestos by PLM.

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Analyst: R. Keneson
 Ronnie Keneson

C:\DATA\AESL\BULK\02-a000\02-A753.DOC

Turnaround Time: RUSH Same Day 24 Hour 48 Hour

Stop @ First Positive Read All Samples

BULK ASBESTOS SAMPLE CHAIN OF CUSTODY

A.E.S.L. LABORATORY # : 027753 Page of

Client Name: ITISF Contact: G. Bakshi Phone: 227-5629223 Fax: 727-5810764

Address: 514 1st Ave Sw City: LAKES State: FL Zip: 33770

PROJECT NAME: WALTON ARE PROJECT ID: Fairfield Jr

Samples Collected By: Angel Mercedes SAMPLES TAKEN: 27 Jun 02

SAMPLES REC'D (#): DATE REC'D: CONDITION: SAMPLES ACCEPTED (Y , N) : IF NO. WHY?

*** SAMPLES TO BE RETURNED TO CLIENT AFTER 90 DAYS OR DISPOSED OF BY A.E.S.L. (D O R) : ***
 (IF NOT SPECIFIED WILL AUTOMATICALLY BE DISPOSED OF AFTER 90 DAYS)

A.E.S.L. Sample #	Client ID #	Sample Location	Sample Description	A.E.S.L. Sample #	Client ID #	Sample Location	Sample Description
F01		Hallway	C-Tile 2x4				
F02		"	Good 2000/ft				

RELINQUISHED BY: [Signature] Time: 10:20 DATE: 7/11/02

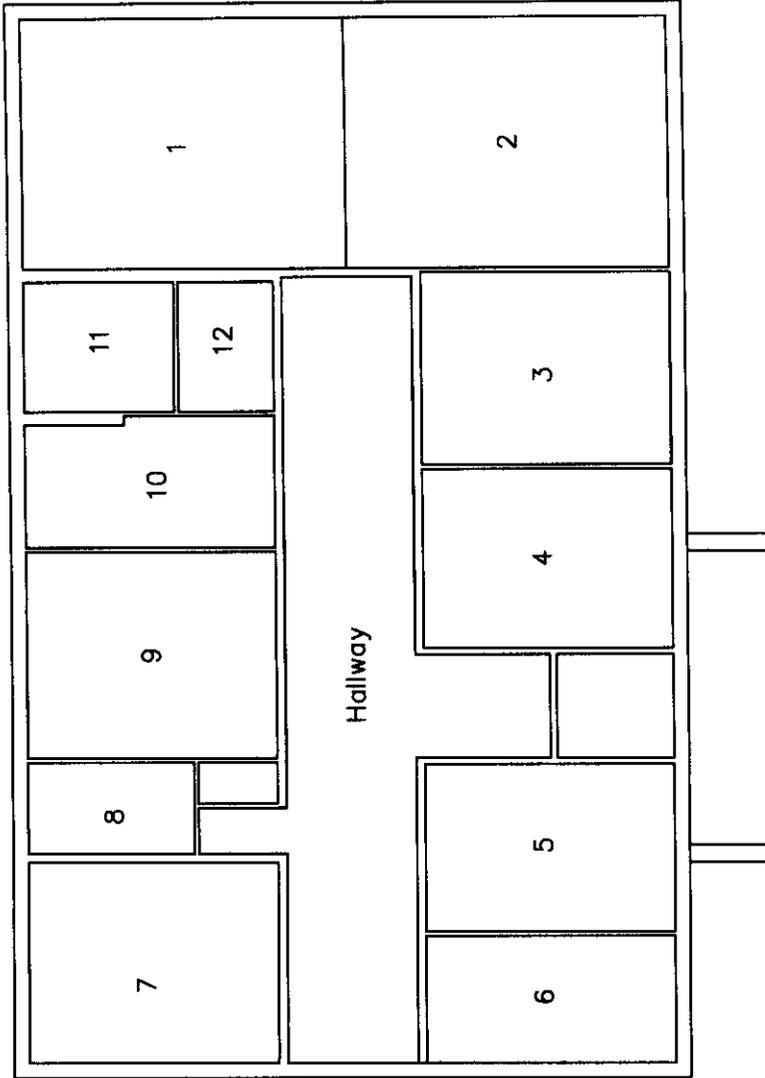
RECEIVED AT A.E.S.L. BY: [Signature] DATE: 7/11/02

A.E.S.L. ENVIRONMENTAL LABORATORY
 1707 East Weber Drive, Suite 6
 TEMPE, ARIZONA 85281
 PHONE (480) 966-3714 FAX (480) 394-0188

APPENDIX B

Room number/name	Ballast #/Manufacturer	Label Stating No PCB's
IL - 026 - USARC		
Classroom #1	Ultramiser E232PI1200-01	YES
Classroom #2	Ultramiser E232PI1200-01	YES
Hallway	Valmont Electric 8G102W	YES
Hallway	Magnetek 44L-SLH-TC-P	NO
Supply Room #9	Howard Industries E4/32IS-120	YES
Supply Room #9	Ultramiser E232PI1200-01	YES
Orderly Room #4	Howard Industries E4/32IS-120	YES
Orderly Room #4	Ultramiser E232PI1200-01	YES
Training Room #10	Howard Industries E4/32IS-120	YES
Commander #6	Ultramiser E232PI1200-01	YES
Kitchen #8	Valmont Electric 8G102W	NO
Kitchen #8	Howard Industries E4/32IS-120	YES
Mailroom #3	Valmont Electric 8G102W	NO
Men's Room #11	Advance REL-2P32-RH-TP	YES
Women's Room #12	Advance REL-2P32-RH-TP	YES

PCB Locations



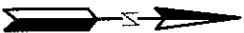
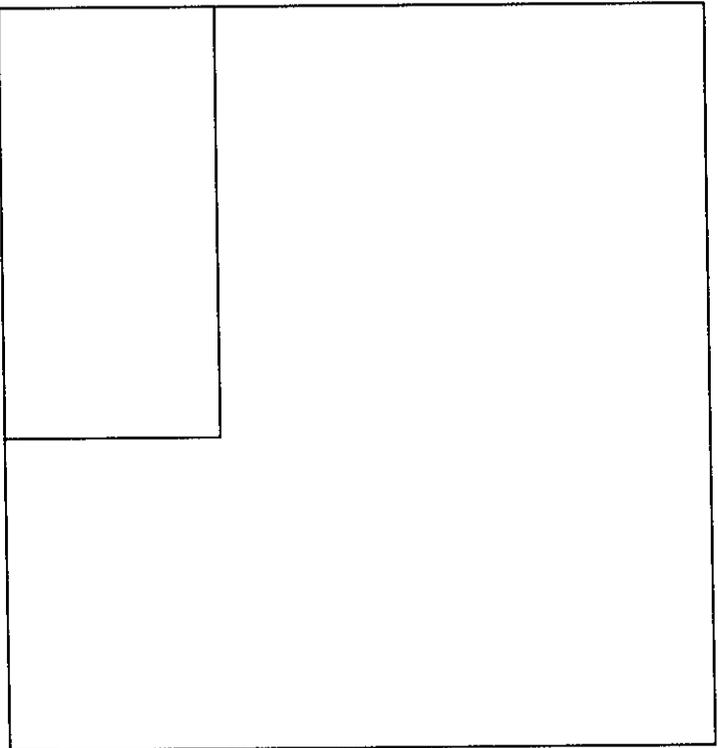
Room Key: Classroom #1, Classroom #2, Mail #3, Orderly #4, Unit Advisor #5,
Commanders Off. #6, Heater Room #7, Kitchen #8, Supply #9,
Training #10, Men's Rm. #11, Women's Rm. #12

ITI of South Florida
Environmental Services
Drawn: M. MASAAL

USAR CENTER
IL 026
FAIRFIELD, IL

FIGURE
06-APR-2002

Building Layout
ACM, PCB & LBP



ITI of South Florida
Environmental Services
Drawn: M. MASAAL

OMS BUILDING
IL 026
FAIRFIELD, IL

FIGURE
06-APR-2002

APPENDIX C

USARC

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: IL-026-004; Fairfield, IL

Inspection Date: 07/16/02 SSG R. E. Walton USARC
 Report Date: 9/4/2003
 Statement Level: 1.0
 Report No. S#01908 - 07/16/02 13:38
 Total Readings: 111 Actionable: 7
 Job Started: 07/16/02 13:38
 Job Finished: 07/16/02 14:55

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Number Only									
101	A	Fascia			P	Wood	Brown	3.3	QM
100	A	Gutter			P	Wood	Brown	2.7	QM
099	A	Soffit			P	Wood	Brown	2.5	QM
Interior Room 011 Mens Room									
073	A	Wall	L Ctr		I	Glazed Blk Beige		1.0	QM
074	B	Wall	L Ctr		I	Glazed Blk Beige		1.0	QM
Interior Room 012 Womens Rm									
083	A	Wall	L Ctr		I	Glazed Blk Beige		1.0	QM
084	B	Wall	L Ctr		I	Glazed Blk Beige		1.0	QM

Calibration Readings

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: IL-026-004; Fairfield, IL

Inspection Date: 07/16/02 SSG R. E. Walton USARC
 Report Date: 9/4/2003
 Statement Level: 1.0
 Report No. S#01908 - 07/16/02 13:38
 Total Readings: 111
 Job Started: 07/16/02 13:38
 Job Finished: 07/16/02 14:55

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Number Only									
101	A	Fascia			P	Wood	Brown	3.3	QM
100	A	Gutter			P	Wood	Brown	2.7	QM
099	A	Soffit			P	Wood	Brown	2.5	QM
104	A	Door	Ctr	Rgt casing	P	Metal	Brown	-0.2	QM
102	A	Door	Ctr	Lft jamb	P	Metal	Brown	-0.1	QM
103	A	Door	Ctr	U Ctr	P	Metal	Brown	-0.1	QM
Interior Room 001 Classroom									
005	A	Wall	L Ctr		I	N/A	N/A	-0.2	QM
011	A	Door	Ctr	Rgt casing	I	N/A	N/A	-0.2	QM
009	A	Door	Ctr	Lft jamb	I	N/A	N/A	0.1	QM
010	A	Door	Ctr	U Ctr	I	N/A	N/A	0.1	QM
006	B	Wall	L Ctr		I	N/A	N/A	-0.2	QM
007	C	Wall	L Ctr		I	N/A	N/A	0.0	QM
008	C	Window	Ctr	Rgt casing	I	N/A	N/A	-0.2	QM
Interior Room 002 Exercise Rm									
012	A	Wall	L Ctr		I	N/A	N/A	0.3	QM
018	A	Door	Ctr	Rgt casing	I	N/A	N/A	-0.1	QM
016	A	Door	Ctr	Lft jamb	I	N/A	N/A	0.5	QM
017	A	Door	Ctr	U Ctr	I	N/A	N/A	0.0	QM
013	B	Wall	L Ctr		I	N/A	N/A	-0.1	QM
014	C	Wall	L Ctr		I	N/A	N/A	-0.2	QM
015	D	Wall	L Ctr		I	N/A	N/A	-0.3	QM
Interior Room 003 Training									
019	A	Wall	L Ctr		I	N/A	N/A	0.1	QM
026	A	Door	Ctr	Rgt casing	I	N/A	N/A	0.0	QM
024	A	Door	Ctr	Lft jamb	I	N/A	N/A	0.2	QM
025	A	Door	Ctr	U Ctr	I	N/A	N/A	0.0	QM
020	B	Wall	L Ctr		I	N/A	N/A	-0.1	QM
021	C	Wall	L Ctr		I	N/A	N/A	-0.4	QM
023	C	Window	Ctr	Rgt casing	I	N/A	N/A	-0.1	QM
022	D	Wall	L Ctr		I	N/A	N/A	-0.2	QM
Interior Room 004 Orderly Rm									
027	A	Wall	L Ctr		I	N/A	N/A	-0.2	QM
034	A	Door	Ctr	Rgt casing	I	N/A	N/A	-0.1	QM
032	A	Door	Ctr	Lft jamb	I	N/A	N/A	0.3	QM
033	A	Door	Ctr	U Ctr	I	N/A	N/A	0.1	QM
028	B	Wall	L Ctr		I	N/A	N/A	-0.1	QM
029	C	Wall	L Ctr		I	N/A	N/A	-0.2	QM
031	C	Window	Ctr	Sash	I	N/A	N/A	-0.3	QM
030	D	Wall	L Ctr		I	N/A	N/A	-0.3	QM
Interior Room 005 Unit Adv									
035	A	Wall	L Ctr		I	N/A	N/A	-0.1	QM
042	A	Door	Ctr	Rgt casing	I	N/A	N/A	-0.2	QM
040	A	Door	Ctr	Lft jamb	I	N/A	N/A	-0.1	QM

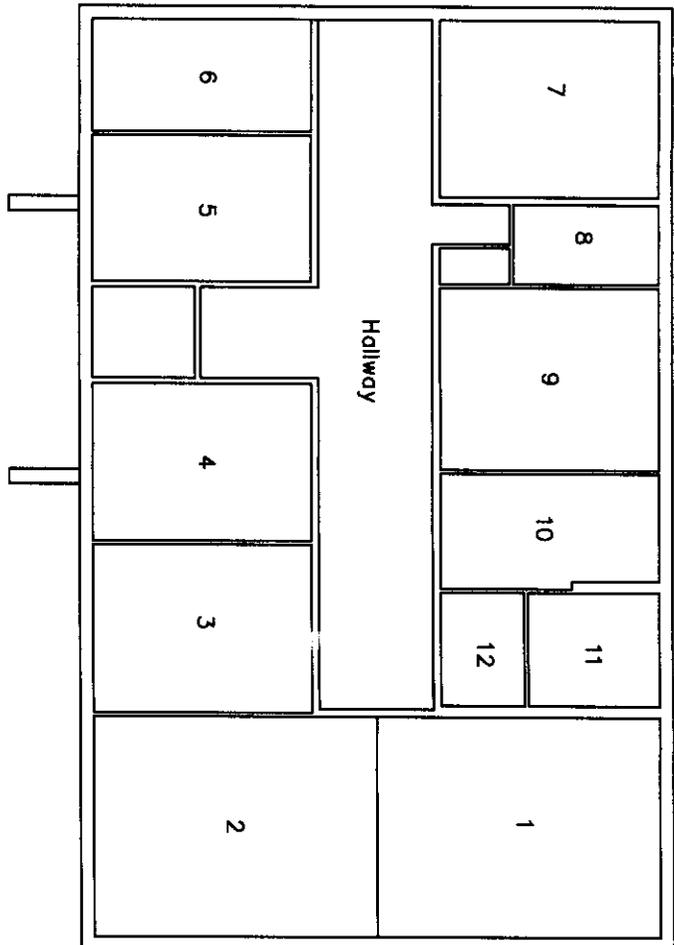
DETAILED REPORT OF LEAD PAINT INSPECTION FOR: IL-026-004; Fairfield, IL

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
041	A	Door	Ctr	U Ctr	I	N/A	N/A	0.1	QM
036	B	Wall	L Ctr		I	N/A	N/A	-0.1	QM
037	C	Wall	L Ctr		I	N/A	N/A	0.0	QM
039	C	Window	Ctr	Rgt casing	I	N/A	N/A	0.0	QM
038	D	Wall	L Ctr		I	N/A	N/A	0.1	QM
Interior Room 006 Number Only									
043	A	Wall	L Ctr		I	N/A	N/A	-0.2	QM
050	A	Door	Ctr	Rgt casing	I	N/A	N/A	-0.3	QM
048	A	Door	Ctr	Lft jamb	I	N/A	N/A	-0.1	QM
049	A	Door	Ctr	U Ctr	I	N/A	N/A	0.1	QM
044	B	Wall	L Ctr		I	N/A	N/A	-0.1	QM
045	C	Wall	L Ctr		I	N/A	N/A	0.0	QM
047	C	Window	Ctr	Rgt casing	I	N/A	N/A	-0.1	QM
046	D	Wall	L Ctr		I	N/A	N/A	-0.4	QM
Interior Room 007 Mech. Room									
051	A	Wall	L Ctr		I	N/A	N/A	-0.2	QM
058	A	Door	Ctr	Rgt casing	I	N/A	N/A	-0.2	QM
056	A	Door	Ctr	Lft jamb	I	N/A	N/A	-0.2	QM
057	A	Door	Ctr	U Ctr	I	N/A	N/A	-0.1	QM
052	B	Wall	L Ctr		I	N/A	N/A	-0.1	QM
053	C	Wall	L Ctr		I	N/A	N/A	-0.2	QM
055	C	Window	Ctr	Rgt casing	I	N/A	N/A	-0.1	QM
054	D	Wall	L Ctr		I	N/A	N/A	-0.2	QM
Interior Room 008 Kitchen									
059	A	Wall	L Ctr		I	N/A	N/A	0.2	QM
066	A	Door	Ctr	Rgt casing	I	N/A	N/A	0.0	QM
064	A	Door	Ctr	Lft jamb	I	N/A	N/A	0.0	QM
065	A	Door	Ctr	U Ctr	I	N/A	N/A	-0.1	QM
060	B	Wall	L Ctr		I	N/A	N/A	0.0	QM
061	C	Wall	L Ctr		I	N/A	N/A	-0.1	QM
063	C	Window	Ctr	Rgt casing	I	N/A	N/A	0.1	QM
062	D	Wall	L Ctr		I	N/A	N/A	0.0	QM
Interior Room 009 Supply Room									
105	A	Wall	L Ctr		P	N/A	N/A	-0.1	QM
111	A	Door	Ctr	Rgt casing	P	N/A	N/A	-0.2	QM
109	A	Door	Ctr	Lft jamb	P	N/A	N/A	0.2	QM
110	A	Door	Ctr	U Ctr	P	N/A	N/A	0.0	QM
106	B	Wall	L Ctr		P	N/A	N/A	-0.2	QM
107	C	Wall	L Ctr		P	N/A	N/A	-0.5	QM
108	D	Wall	L Ctr		P	N/A	N/A	-0.2	QM
Interior Room 010 Training Rm									
067	A	Wall	L Ctr		I	N/A	N/A	-0.2	QM
071	A	Door	Ctr	Lft jamb	I	N/A	N/A	-0.2	QM
072	A	Door	Ctr	U Ctr	I	N/A	N/A	-0.1	QM
068	B	Wall	L Ctr		I	N/A	N/A	0.2	QM
069	C	Wall	L Ctr		I	N/A	N/A	0.2	QM
070	D	Wall	L Ctr		I	N/A	N/A	0.0	QM
Interior Room 011 Mens Room									
073	A	Wall	L Ctr		I	Glazed Blk Beige		1.0	QM
078	A	Floor			I	N/A	N/A	-0.3	QM
081	A	Door	Ctr	Rgt casing	I	N/A	N/A	-0.2	QM

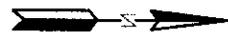
DETAILED REPORT OF LEAD PAINT INSPECTION FOR: IL-026-004; Fairfield, IL

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
079	A	Door	Ctr	Lft jamb	I	N/A	N/A	-0.1	QM
080	A	Door	Ctr	U Ctr	I	N/A	N/A	-0.1	QM
074	B	Wall	L Ctr		I	Glazed Blk Beige		1.0	QM
075	C	Wall	L Ctr		I	N/A	N/A	0.1	QM
077	C	Ceiling			I	N/A	N/A	-0.2	QM
082	C	Window	Ctr	Rgt casing	I	N/A	N/A	-0.5	QM
076	D	Wall	L Ctr		I	N/A	N/A	-0.1	QM
Interior Room 012 Womens Rm									
083	A	Wall	L Ctr		I	Glazed Blk Beige		1.0	QM
088	A	Floor			I	N/A	N/A	-0.3	QM
091	A	Door	Ctr	Rgt casing	I	N/A	N/A	-0.1	QM
089	A	Door	Ctr	Lft jamb	I	N/A	N/A	-0.1	QM
090	A	Door	Ctr	U Ctr	I	N/A	N/A	0.0	QM
084	B	Wall	L Ctr		I	Glazed Blk Beige		1.0	QM
085	C	Wall	L Ctr		I	Concrete	Beige	-0.2	QM
087	C	Ceiling			I	N/A	N/A	-0.2	QM
086	D	Wall	L Ctr		I	Concrete	Beige	-0.2	QM
Interior Room 901 Hallway									
092	A	Wall	L Ctr		I	N/A	N/A	-0.1	QM
098	A	Door	Ctr	Rgt casing	I	N/A	N/A	-0.1	QM
096	A	Door	Ctr	Lft jamb	I	N/A	N/A	-0.2	QM
097	A	Door	Ctr	U Ctr	I	N/A	N/A	-0.1	QM
093	B	Wall	L Ctr		I	N/A	N/A	-0.1	QM
094	C	Wall	L Ctr		I	N/A	N/A	-0.1	QM
095	D	Wall	L Ctr		I	N/A	N/A	0.1	QM
Calibration Readings									
001								0.8	Std
002								0.9	Std
003								1.0	Std
004								0.9	Std
----- End of Readings -----									

LBP Locations



Room Key: Classroom #1, Classroom #2, Mail #3, Orderly #4, Unit Advisor #5,
Commanders Off. #6, Heater Room #7, Kitchen #8, Supply #9,
Training #10, Men's Rm. #11, Women's Rm. #12



ITI of South Florida Environmental Services Drawn: M. MASAAL	USAR CENTER IL 026 FAIRFIELD, IL	FIGURE 06-APR-2002
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OMS

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: IL-026-005; Fairfield, IL

Inspection Date: 07/16/02 SSG R. E. Walton OMS
Report Date: 8/26/2003
batement Level: 1.0
Report No. S#01908 - 07/16/02 15:01
Total Readings: 24 Actionable: 2
Job Started: 07/16/02 15:01
Job Finished: 07/16/02 15:16

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Exterior Room 002 Garage									
021	C	Door	Ctr	L Ctr	I	Metal	White	>9.9	QM
020	C	Door	Ctr	U Ctr	I	Metal	White	>9.9	QM

Calibration Readings

----- End of Readings -----

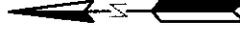
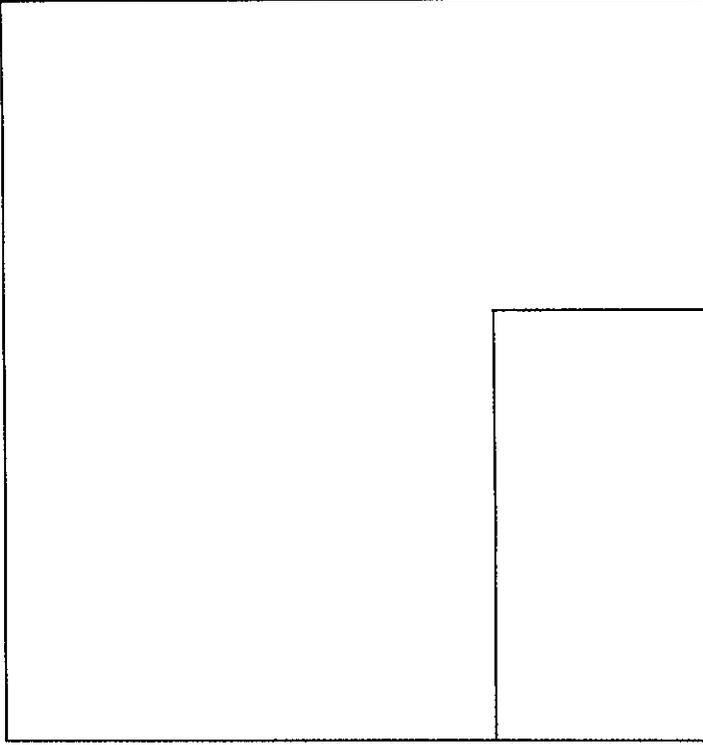
DETAILED REPORT OF LEAD PAINT INSPECTION FOR: IL-026-005; Fairfield, IL

Inspection Date: 07/16/02 SSG R. E. Walton OMS
 Report Date: 8/26/2003
 Statement Level: 1.0
 Report No. S#01908 - 07/16/02 15:01
 Total Readings: 24
 Job Started: 07/16/02 15:01
 Job Finished: 07/16/02 15:16

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Number Only									
014	A	Wall	L Ctr		I	N/A	N/A	0.1	QM
015	B	Wall	L Ctr		I	N/A	N/A	-0.2	QM
016	C	Wall	L Ctr		I	N/A	N/A	-0.3	QM
017	D	Wall	L Ctr		I	N/A	N/A	-0.6	QM
Exterior Room 002 Garage									
019	C	Door	Ctr	Rgt casing	I	N/A	N/A	0.0	QM
018	C	Door	Ctr	Lft casing	I	N/A	N/A	0.0	QM
021	C	Door	Ctr	L Ctr	I	Metal	White	>9.9	QM
020	C	Door	Ctr	U Ctr	I	Metal	White	>9.9	QM
022	C	Column	Ctr	U column	I	Metal	Brown	-0.4	QM
023	C	Column	Ctr	L column	I	Metal	Brown	-0.1	QM
Interior Room 001 Bay Area									
005	A	Wall	L Ctr		I	N/A	N/A	-0.3	QM
011	A	Door	Ctr	Rgt casing	I	N/A	N/A	0.1	QM
009	A	Door	Ctr	Lft jamb	I	N/A	N/A	-0.1	QM
010	A	Door	Ctr	U Ctr	I	N/A	N/A	-0.1	QM
006	B	Wall	L Ctr		I	N/A	N/A	-0.2	QM
007	C	Wall	L Ctr		I	N/A	N/A	-0.4	QM
008	D	Wall	L Ctr		I	N/A	N/A	-0.1	QM
Interior Room 002 Garage									
013	A	Door	Ctr	L Ctr	I	N/A	N/A	-0.3	QM
012	A	Door	Ctr	U Ctr	I	N/A	N/A	-0.2	QM
Calibration Readings									
001								1.4	Std
002								0.8	Std
003								0.8	Std
004								0.9	Std
024								-0.4	QM

----- End of Readings -----

Building Layout
ACM, PCB & LBP



**ITI of South Florida
Environmental Services
Drawn: M. MASAAL**

**FIGURE
06-APR-2002**

**OMS BUILDING
IL 026
FAIRFIELD, IL**

APPENDIX D

AccuStar Radon Labs (REM)
3334 Commercial Avenue
Northbrook, IL 60062 USA
(847) 205-0110

Page: 1 of 1

Environmental Resource Association
Gil Bakshi
514 1st Ave. SW
Largo, FL 33770

Report Date Oct 28, 2002

Monitor	pCi/l	Installed	Removed	Days Used	pCi/l-days	Tracks	Sq. mm Counted	Notes
970074	1.6	2-14-02	9-30-02	228	364	336	43	Walton USARC - Administration office east wall
970075	1.6	2-14-02	9-30-02	228	368	339	43	Administration office east wall
970076	1.6	2-14-02	9-30-02	228	356	329	43	Supply office west wall
970077	1.3	2-14-02	9-30-02	228	290	274	43	Unit advisor office

The uncertainty (standard deviation) of an alpha track radon measurement is $\pm 15\%$.

AccuStar Radon Labs (REM)
3334 Commercial Avenue
Northbrook, IL 60062 USA
(847) 205-0110

Page: 1 of 1

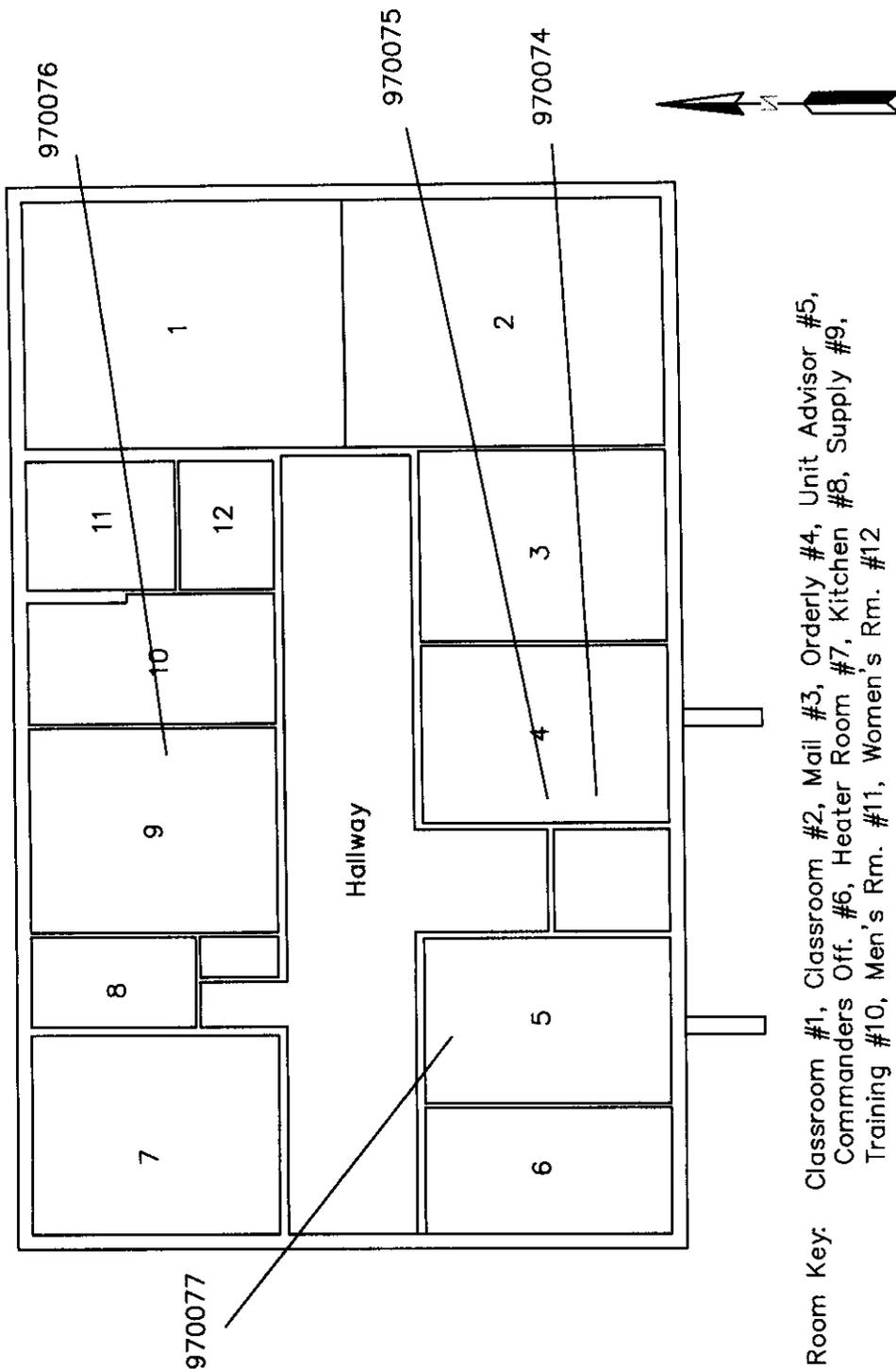
Environmental Resource Association
Gil Bakshi
514 1st Ave. SW
Largo, FL 33770

Report Date Oct 28, 2002

Monitor	pCi/l	Installed	Removed	Days Used	pCi/l-days	Tracks	Sq. mm Counted	Notes
970078	1.3	2-14-02	9-30-02	228	303	285	43	Walton USAR Motor Pool - West end
970079	1.3	2-14-02	9-30-02	228	296	279	43	East end

The uncertainty (standard deviation) of an alpha track radon measurement is $\pm 15\%$.

Radon Locations

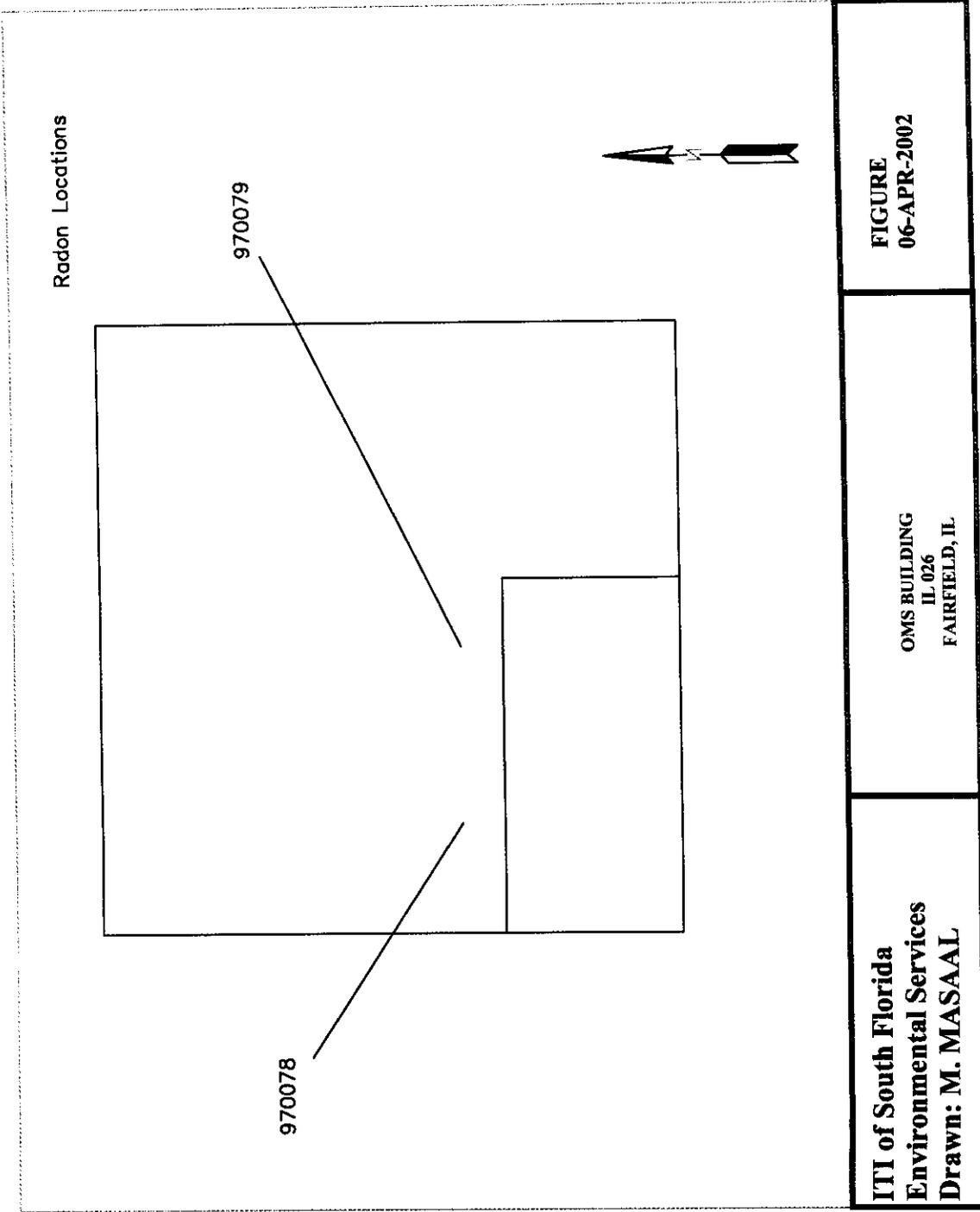


Room Key: Classroom #1, Classroom #2, Mail #3, Orderly #4, Unit Advisor #5,
 Commanders Off. #6, Heater Room #7, Kitchen #8, Supply #9,
 Training #10, Men's Rm. #11, Women's Rm. #12

**ITI of South Florida
 Environmental Services
 Drawn: M. MASAAL**

**USAR CENTER
 IL 026
 FAIRFIELD, IL**

**FIGURE
 06-APR-2002**



APPENDIX E

United States Department of Commerce
National Institute of Standards and Technology

NVLAP[®]

ISO/IEC 17025:1999
ISO 9002:1994

Certificate of Accreditation



A.E.S.L. ENVIRONMENTAL LABORATORY
TEMPE, AZ

is recognized by the National Voluntary Laboratory Accreditation Program
for satisfactory compliance with criteria set forth in NIST Handbook 150:2001,
all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994.
Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

March 31, 2004

Effective through

For the National Institute of Standards and Technology
NVLAP Lab Code: 200303-0

United States Department of Commerce
National Institute of Standards and Technology

NVLAP[®]



Certificate of Accreditation

ISO/IEC 17025:1998
ISO 9002:1994

A.E.S.L. ENVIRONMENTAL LABORATORY
TEMPE, AZ

is recognized by the National Voluntary Laboratory Accreditation Program
for satisfactory compliance with criteria set forth in NIST Handbook 150:2001,
all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994.
Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

March 31, 2005

Effective through

For the National Institute of Standards and Technology
NVLAP Lab Code: 200303-0

APPENDIX F



State of Illinois
Department of Public Health

A 156766

LICENSE, PERMIT, CERTIFICATION, REGISTRATION

The person, firm or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below.

ERIC E. WHITAKER, M.D. M.P.H.
DIRECTOR

Issued under the authority of
The State of Illinois
Department of Public Health

EXPIRATION DATE	CATEGORY	I.D. NUMBER
05/15/2006	5319	100- 10757
DAVID TYLER		
INSPECTOR		

BUSINESS ADDRESS

ASBESTOS PROFESSIONAL LICENSE
ALTERING THIS CERTIFICATE MAY RESULT IN LEGAL ACTION

DAVID TYLER
456 THANINGTON CLOSE
PALM HARBOR FL 34683

THIS LICENSE IS NOT VALID IF YOUR IDPH
COURSE CERTIFICATE IS NOT CURRENT.

Printed by Authority of the State of Illinois © 2/01 ©

State of Illinois A 156766

Department of Public Health

LICENSE, PERMIT, CERTIFICATION, REGISTRATION

ASBESTOS PROFESSIONAL LICENSE

EXPIRATION DATE	CATEGORY	I.D. NUMBER
05/15/2006	5319	100- 10757

DAVID

INSPECTOR



State of Illinois A 12797L
Department of Public Health

LICENSE, PERMIT, CERTIFICATION, REGISTRATION

The person born on [redacted] whose name appears on the certificate has applied for the
renewal of the above license, permit, certificate and registration and is hereby authorized to
engage in the activity as indicated herein.

JOHN R. JUREK, M.D.
DIRECTOR

Secretary, Department of
Public Health
Department of Public Health

EXPIRATION DATE	PERMIT NO.	ISSUE DATE
05/15/2003	5319	100 9398
ANGEL	HERRENZ	
INSPECTOR		

BUSINESS ADDRESS
ASBESTOS PROFESSIONAL LICENSE
AFTERING THIS CERTIFICATE HAS RESULT IN LEGAL ACTION

ANGEL
16 ADAMSON AVE

HERRENZ

FORESON GA 31908

THIS LICENSE IS NOT VALID IF YOUR 1991
COURSE CERTIFICATE IS NOT CURRENT

Revised by Authority of the State of Illinois • 2001 •

PLEASE PRINT NAME OF A
COMPETENT PERSON IN AREA

DEPARTMENT HAS TO CARRY AN
INVESTIGATION

03/19/02
ANGEL
16 ADAMSON AVE
FORESON GA

HERRENZ
GA 31908

STATE OF ILLINOIS DEPARTMENT OF NUCLEAR SAFETY

1035 OUTER PARK DRIVE • SPRINGFIELD, ILLINOIS 62704
217-785-9900 • 217-782-6133 (TDD)

George H. Ryan
Governor

Thomas W. Ortoger
Director

July 25, 2002

Mr. Timothy J. DeLathouwer
HBIS Engineering
535 S. Washington Street
Naperville, IL 60540

Dear Mr. DeLathouwer:

Enclosed is Illinois Radon Measurement Professional License Number
RM02002217.

Please review the enclosed document carefully and be sure that you understand all
conditions and must conduct your program involving radon measurement in
accordance with the conditions of your Illinois license, statements and representations
made in your license application, and Illinois regulations.

You must request and obtain an appropriate amendment to a license to make all
changes to the measurement program. All amendment requests must contain the
following information:

1. A list of all proposed changes to the license. You must list each
change in accordance with IDNR regulations. You must include the justification for
each change and explain how each change meets the requirements of the

Illinois regulations. Your cooperation is also required. When corresponding with us,
please refer to the Illinois Radon Measurement Professional License Number and
license application number and email address. If you have any questions or require clarification,
please contact the information office contact Patrick Daniels at 217-782-6133.

Sincerely,

Thomas W. Ortoger
Director
Manager, Radon Program

cc: same file

STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY

1035 OUTER PARK DRIVE, SPRINGFIELD, ILLINOIS 62704
(217) 785-9900 (217) 782-6133 (TDD)

George H. Ryan
Governor

Thomas W. Ortziger
Director



October 23, 2002

Jessica Compton, Office Manager
International Training Institute of S. Florida, Inc.
100 1st Avenue South
St. Petersburg, FL 33701

Dear Ms. Compton:

Please accept this letter as documentation of our conversation this morning. As we discussed, due to the use locations (federal facilities) of your company's lead paint analyzer use, no reciprocity agreements are necessary with this Department. We do, however, appreciate your prior notices of work in Illinois, and encourage you to continue to do so. Prior notification of our work here will help us to better facilitate any questions received from the general public, or allow for more immediate assistance in the event of an accident.

We appreciate your cooperation with this Department. Should you have any questions, please don't hesitate to contact me at 217-785-9932.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas J. Seif".

Thomas J. Seif, Head
Inspection and Enforcement
Division of Radioactive Materials

STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY

RADON MEASUREMENT TECHNICIAN LICENSE

OFFICE OF ENVIRONMENTAL SAFETY
RADON PROGRAM
1035 OUTER PARK DRIVE
SPRINGFIELD, IL 62704

Pursuant to the *Radon Industry Licensing Act 420 ILCS 44 et seq. (1998 State Bar Edition) (RIL)* and the rules and regulations in 32 Illinois Administrative Code, Part 422 *Licensing of Radon Detection and Mitigation Services Admdea Rule*, promulgated thereunder, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to perform indoor radon and radon progeny measurements. This license is subject to all applicable rules, regulations, and orders of the Illinois Department of Nuclear Safety now or hereafter in effect and to any conditions specified in this license.

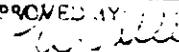
<u>Licensee</u>	<u>License Number</u>	<u>Expiration Date</u>
Mr. Narciso J. Martinez	RNMT002200	January 31, 2004
International Training Institute of South Florida, Inc.		
1405 NW 46th Terrace	<u>Amendment Number</u>	
Jamesville, FL 32506		

Attention:

In accordance with the application dated December 10, 2001, License Number RNMT002200 is listed as follows:

LICENSE CONDITIONS

- Radon and radon progeny measurements performed by the Radon Measurement Technician shall be under the general supervision of Jeremy D. Ball, license number RNMT001200, and in accordance with all applicable sections of the adopted Part 422.
- The Radon Measurement Technician shall not perform measurement services at the same address where the licensee or any member of the licensee's business performed measurements.
- The Radon Measurement Technician shall notify the Department within 5 working days of any changes relevant to the license application. Example: Changes of address, phone number, employment status.
- The Radon Measurement Technician must notify the Department within 5 working days of any change of employer.
- The Radon Measurement Technician shall provide direct on-site supervision of any unlicensed individual assigned to assist him/her with radon measurement related activities.
- The Radon Measurement Technician shall successfully complete a minimum of eight Category I Continuing Education Credits prior to expiration of this license.
- This license is for the performance of the following activities: commercial building, residential real estate and home environment radon measurements.

APPROVED BY: 	DATE	CHANGE NUMBER
Marlene White, Manager, Radon Program	January 8, 2002	12

APPENDIX G

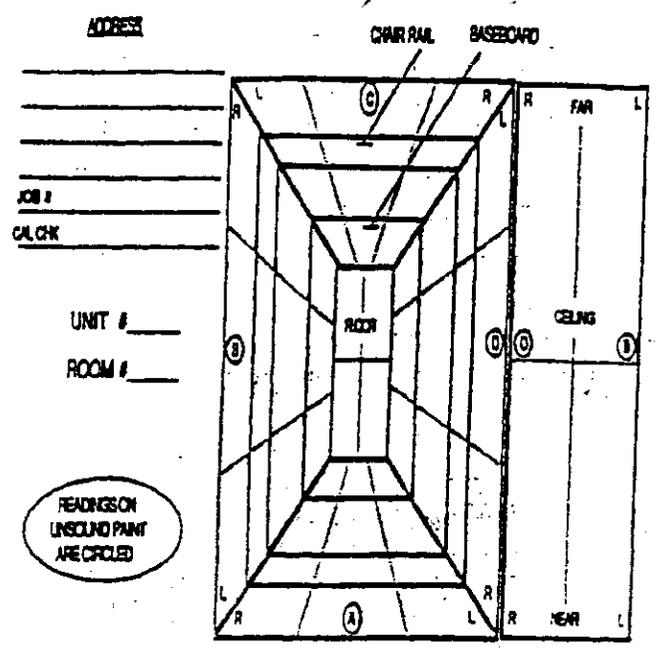
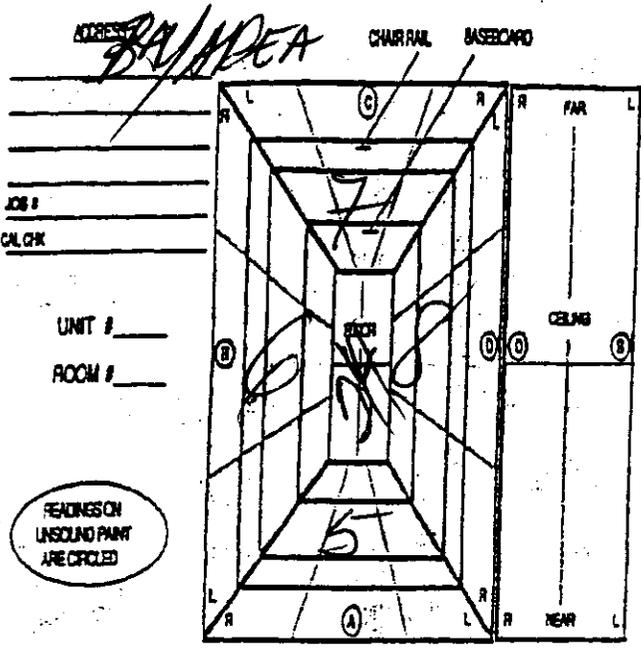
FIELD NOTES

OMS

1L-026-005

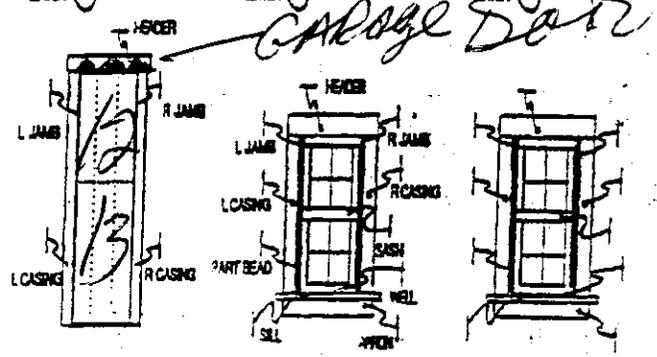
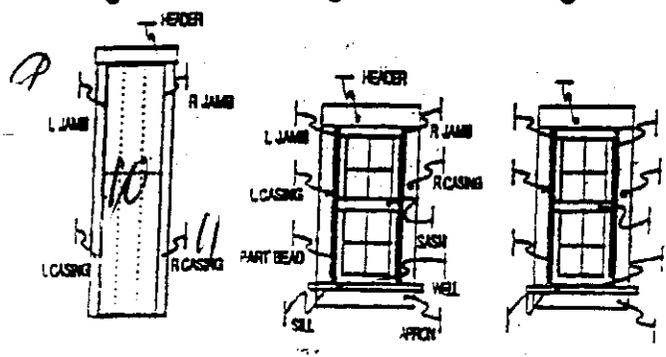
Motor Pool. FAIRFIELD USAAC.

07161501



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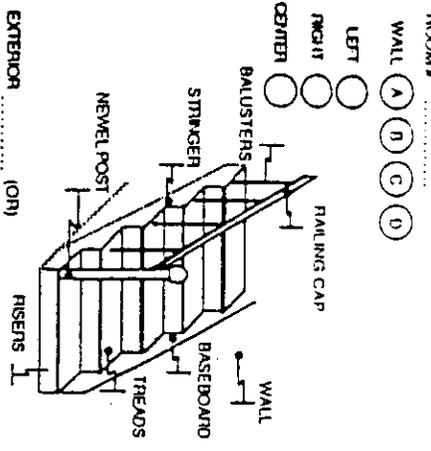
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COMMENTS: All walls were a smooth
blocks with plaster. The
ceiling was a suspended
is a dry-bronze metal
substrate. The partition
is a gray painted metal
aluminum sample 1, 2, 3 &
4 are calibration samples.

Sample # 24 was
collected from a PED
line of \approx 8 SF on the
floor.

COMMENTS:

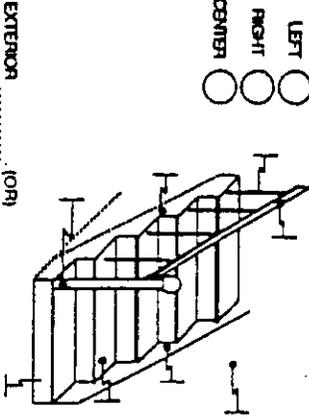


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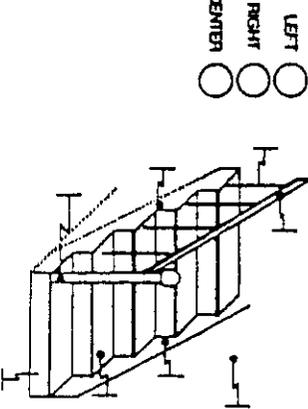


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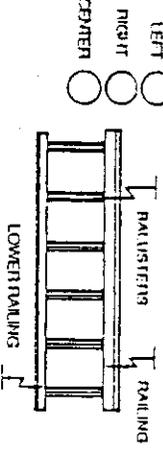


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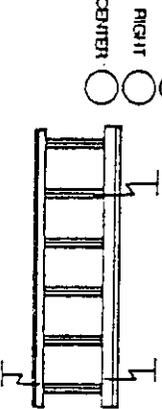


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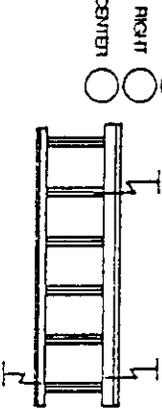


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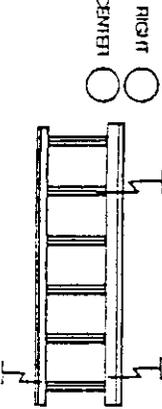


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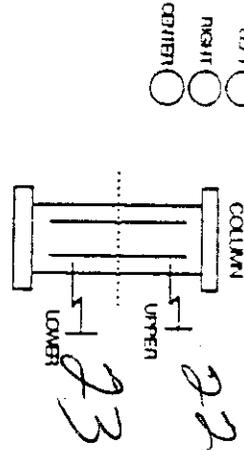


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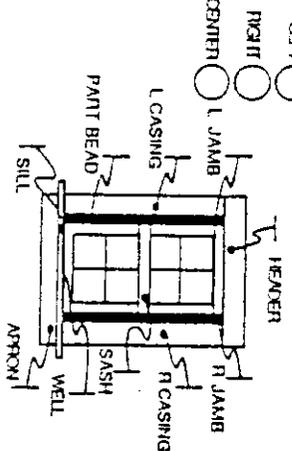


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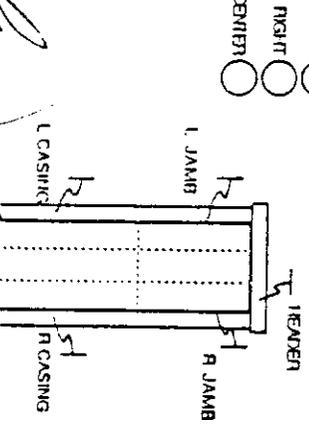


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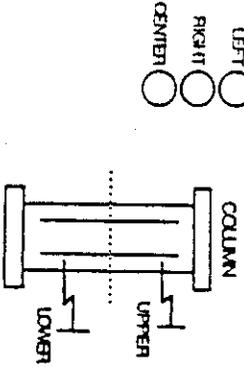


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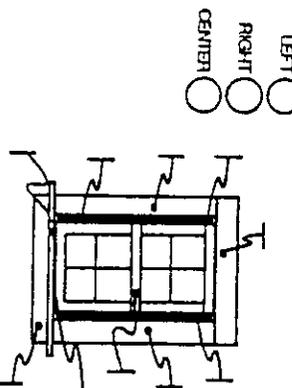


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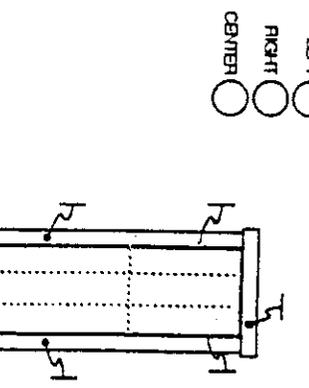


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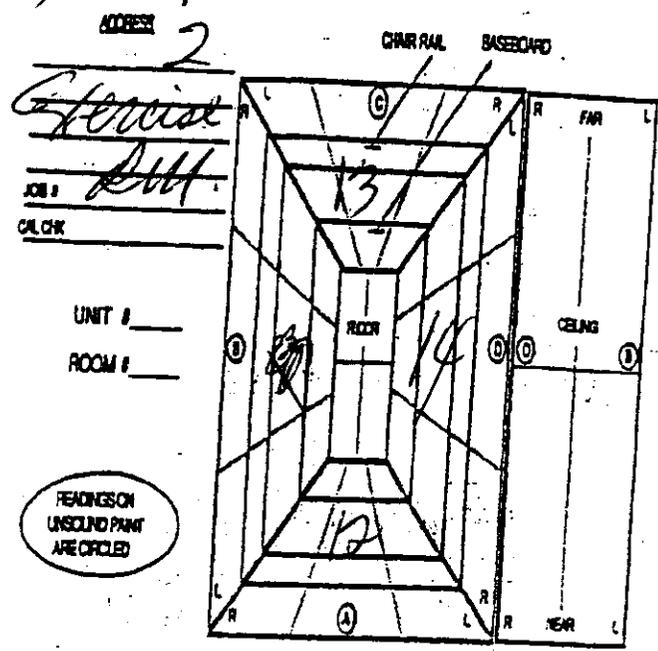
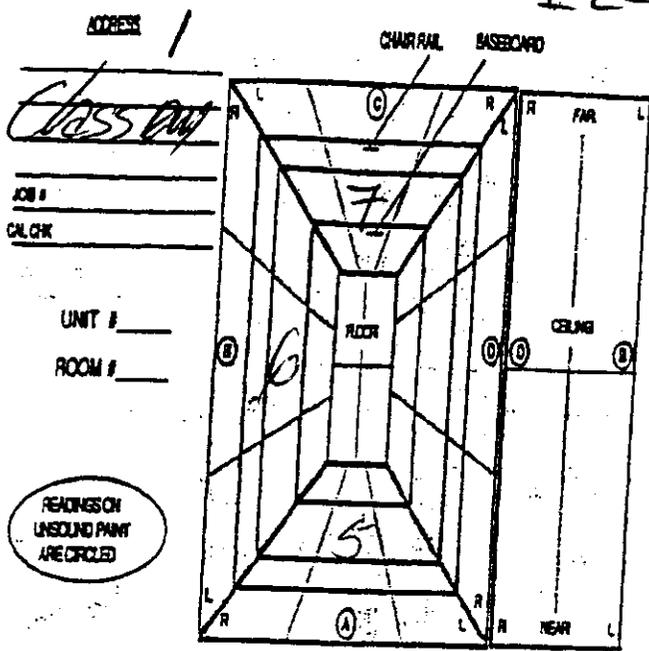


COMMENTS: *The Safety Officer will be responsible for the installation of the railing system.*

USARC

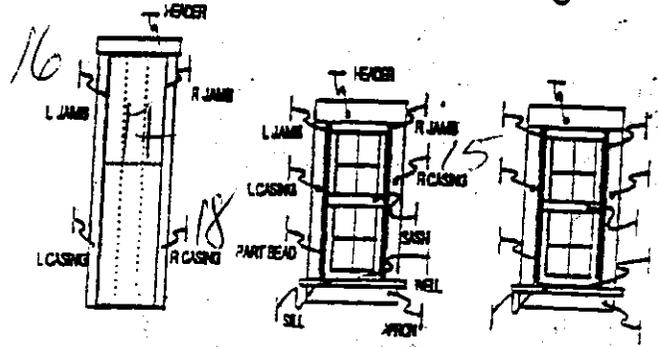
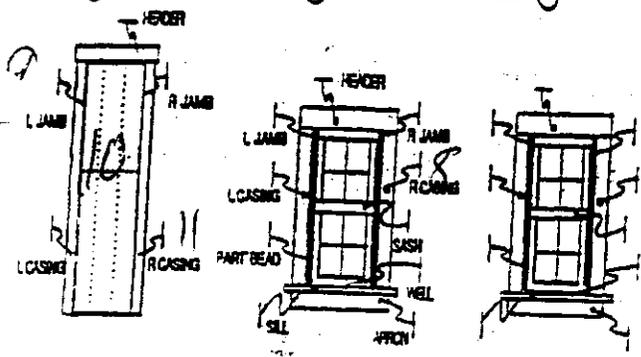
Fairfield USA 00.
IL-026-004

LBP file: 07161338



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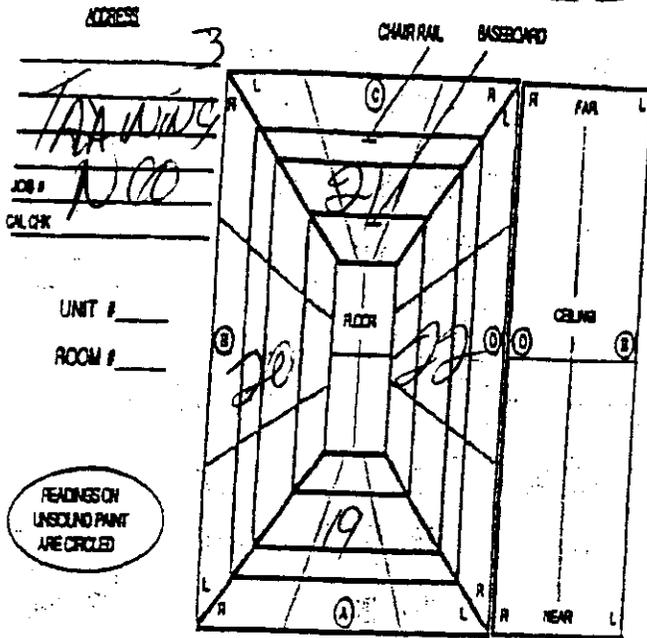


COMMENTS: THE WALL IS OF TAN BRICK OVER CONCRETE BLOCKS. THE DOOR IS OF METAL CASING IS OF TAN BRICK METAL SUBSTRATE. THE DOOR IS OF SUE-A-LAC WOODEN SUBSTRATE. THE WINDOW'S CASING IS OF DPK BROWN METAL SUBSTRATE. Sample # 1, 2, 3, & 4 are calibration samples. wall D is of curtain.

COMMENTS: THE WALL IS OF TAN BRICK OVER CONCRETE BLOCKS. THE DOOR IS OF METAL CASING IS OF TAN BRICK METAL SUBSTRATE. THE DOOR IS OF SUE-A-LAC WOODEN SUBSTRATE. THE WINDOW'S CASING IS OF DPK BROWN METAL SUBSTRATE. WALL B IS A CURTAIN.

Fairfield USAAC.
IL-026

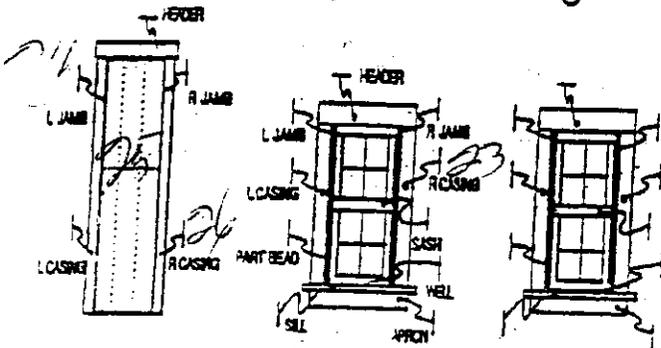
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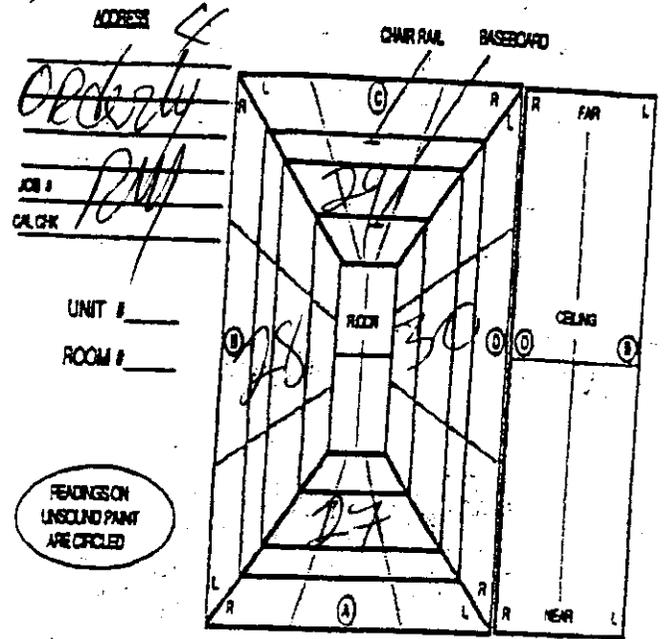
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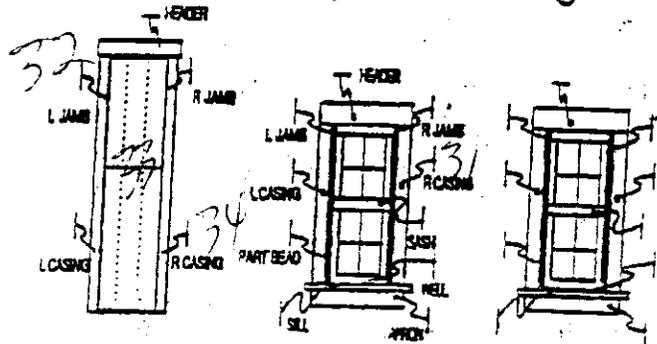
COMMENTS: THE WALL IS OF TON BRUSH OVER CONCRETE BLOCKS. THE DOORS AND WINDOW CASING IS OF TON BRUSH METAL SUBSTRATE. THE DOOR IS A SHE-A-LAC WOODEN SUBSTRATE. THE WINDOWS CASING IS OF DPK BROWN METAL SUBSTRATE.



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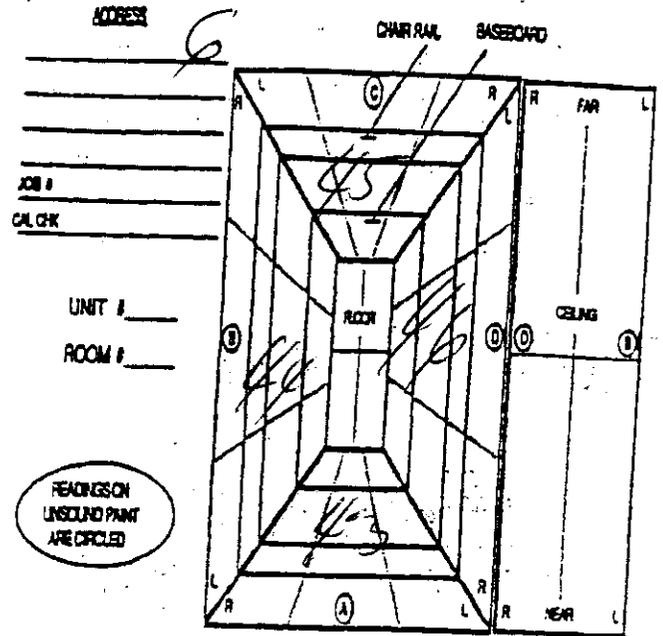
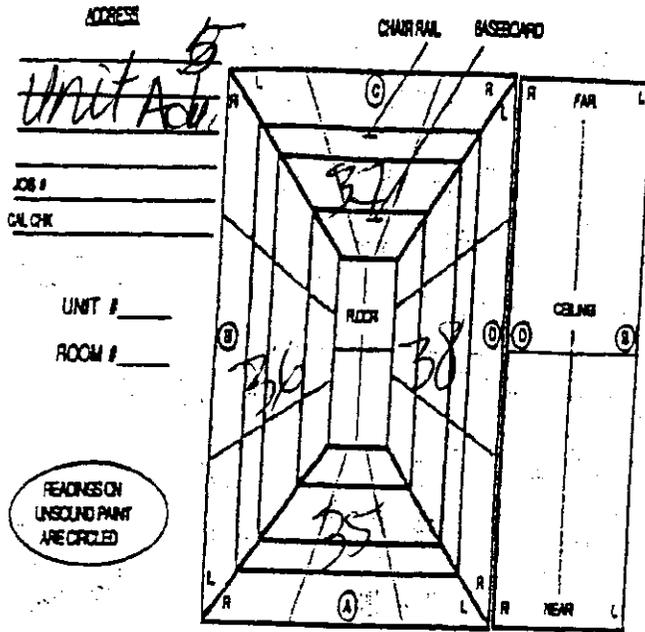
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COMMENTS: THE WALL IS OF TON BRUSH OVER CONCRETE BLOCKS. THE DOOR AND WINDOW CASING IS OF TON BRUSH METAL SUBSTRATE. THE DOOR IS A SHE-A-LAC WOODEN SUBSTRATE. THE WINDOWS CASING IS OF DPK BROWN METAL SUBSTRATE.

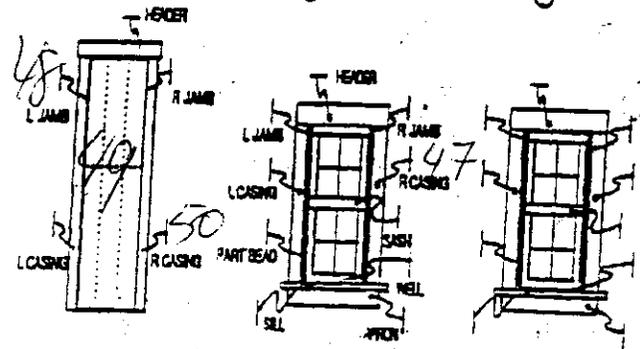
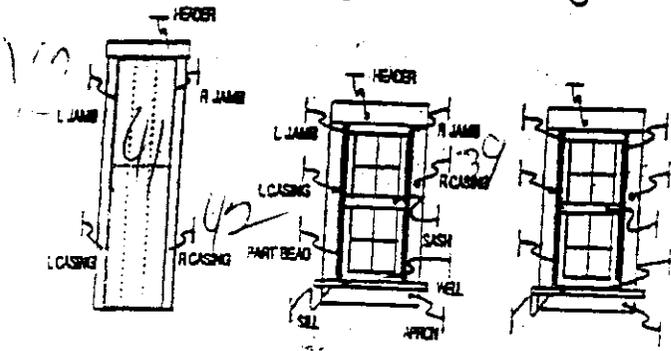
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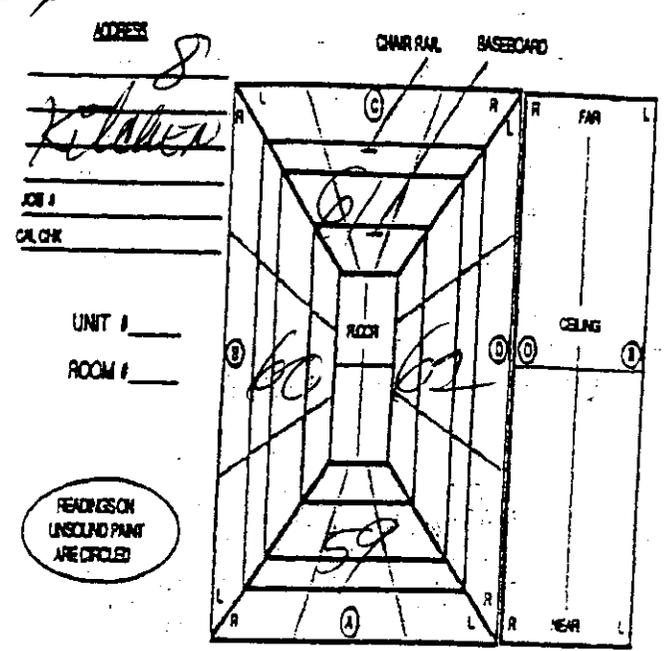
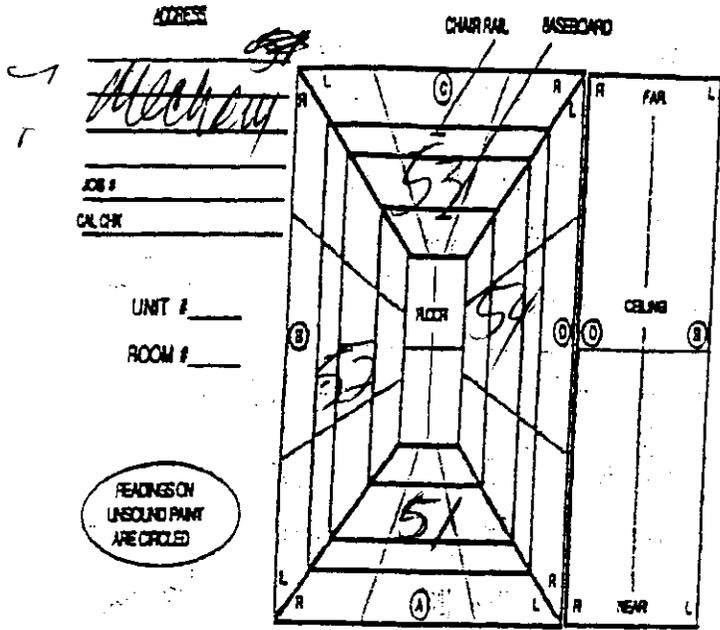


COMMENTS: THE WALL IS OF TAN FINISH OVER CONCRETE BLOCKS. THE DOOR IS OF METAL CASING IS OF TAN FINISH METAL SUBSTRATE. THE DOOR IS OF SUE-A-LAC WOODEN SUBSTRATE. THE WINDOW'S CASING IS OF DPK BROWN METAL SUBSTRATE.

COMMENTS: THE WALL IS OF TAN FINISH OVER CONCRETE BLOCKS. THE DOOR IS OF METAL CASING IS OF TAN FINISH METAL SUBSTRATE. THE DOOR IS OF SUE-A-LAC WOODEN SUBSTRATE. THE WINDOW'S CASING IS OF DPK BROWN METAL SUBSTRATE.

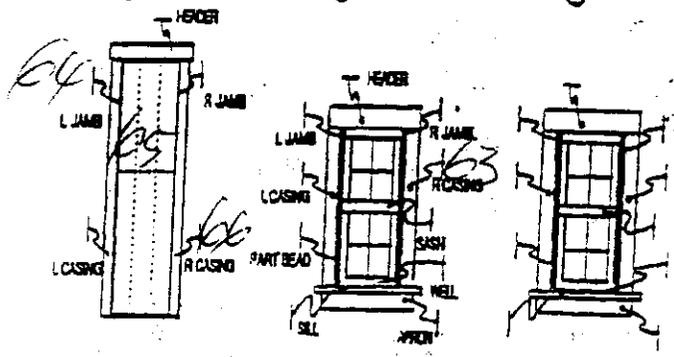
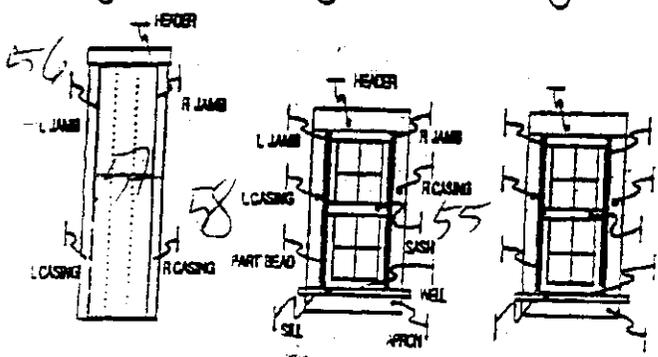
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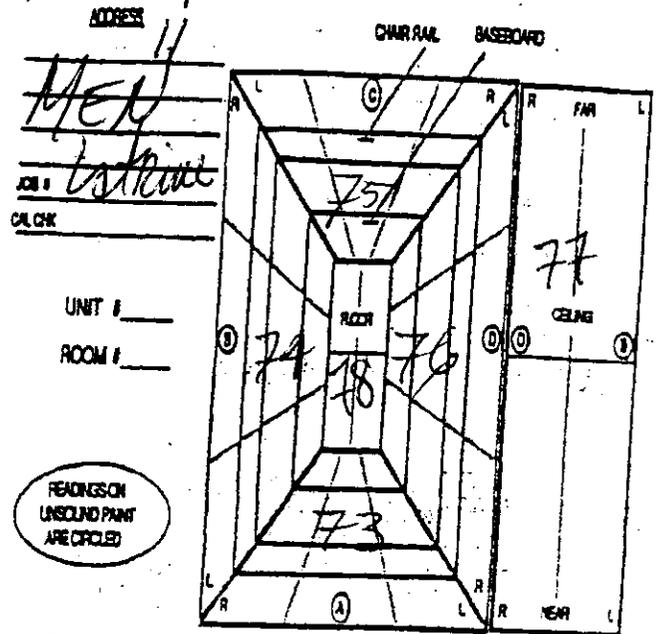
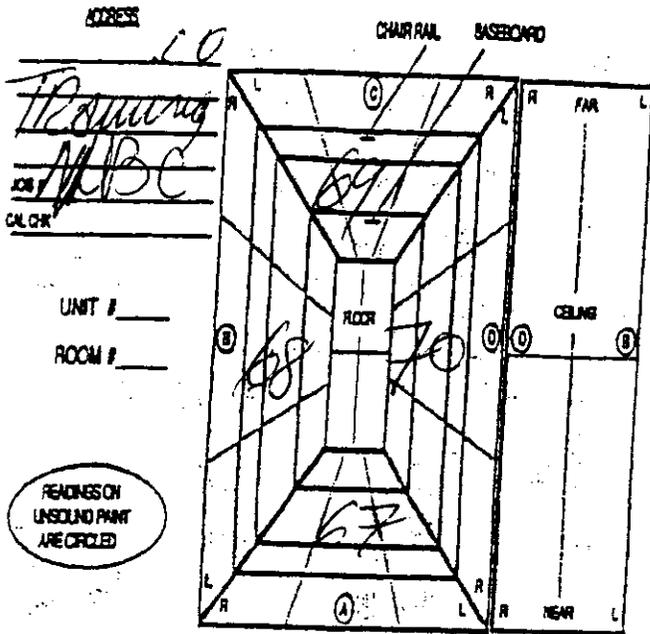
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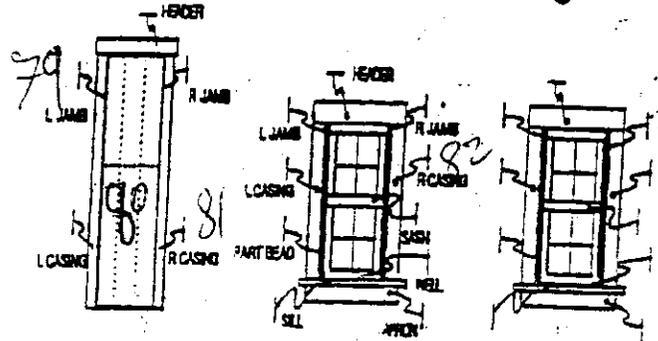
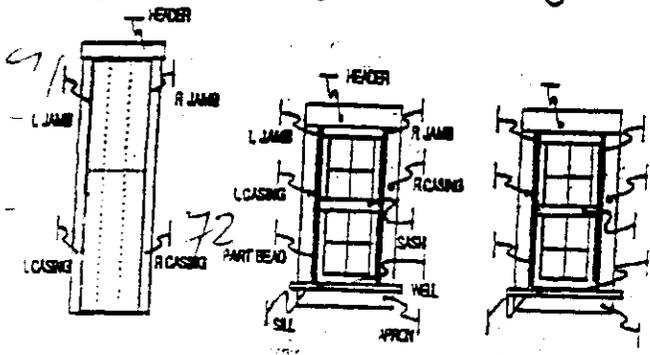
COMMENTS: THE WALL IS OF TON BRUSH OVER CONCRETE BLOCKS. THE DOOR JAMB & CASING IS OF TON BRUSH METAL SUBSTRATE. THE DOOR IS OF SHE-A-LAC WOODEN SUBSTRATE. THE WINDOWS CASING IS OF DPK BROWN METAL SUBSTRATE.

COMMENTS: THE WALL IS OF TON BRUSH OVER CONCRETE BLOCKS. THE DOOR JAMB & CASING IS OF TON BRUSH METAL SUBSTRATE. THE DOOR IS OF SHE-A-LAC WOODEN SUBSTRATE. THE WINDOWS CASING IS OF DPK BROWN METAL SUBSTRATE.



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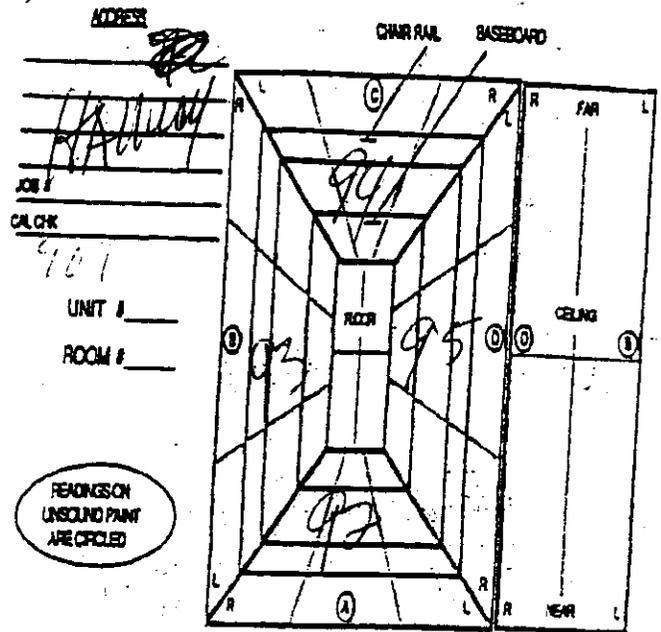
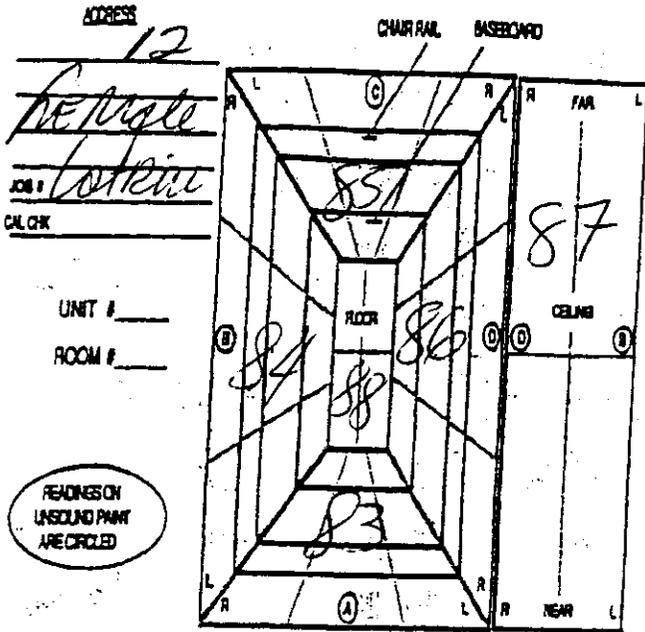


COMMENTS: THE WALL IS A TON BROWNISH OVER CONCRETE BLOCKS. THE DOORS AND WINDOW CASING IS OF IRON BROWNISH METAL SUBSTRATE. THE WINDOW CASING IS OF DPK BROWN METAL SUBSTRATE. NO ACCESS TO THE WINDOWS.

COMMENTS: THE WALL IS A TON BROWNISH OVER CONCRETE BLOCKS. THE DOOR AND WINDOW CASING IS OF IRON BROWNISH METAL SUBSTRATE. THE DOOR IS A SUE-A-LAC WOODEN SUBSTRATE. THE WINDOW CASING IS OF DPK BROWN METAL SUBSTRATE. THE OVERPART OF THE WALLS A BRIDGE GLOSTED WOODEN BLOCKS. THE FLOOR IS OF BROWN TON & BLUE CERAMIC TILE AND THE CEILING IS OF WHITE HIGHER OVER PLASTER. SAMPLE 73 AND 74 IS OF WOODEN BLOCKS.

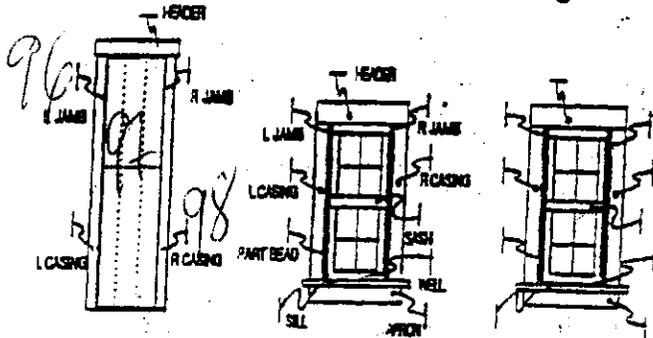
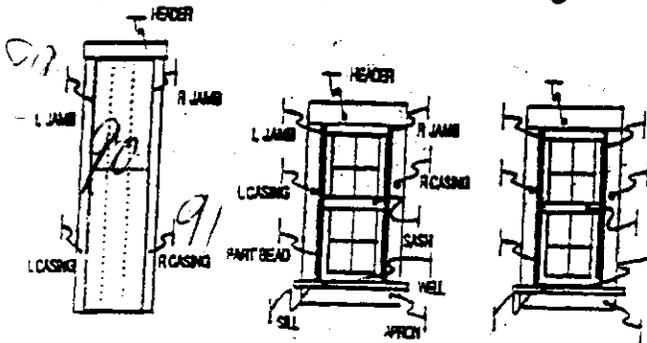
Fairfield USAPO
IL-026

LBP file: 07161338



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COMMENTS: THE WALL IS ON BRICK OVER CONCRETE BLOCKS. THE DOOR IS ON L.P. CASING IS OF BRONZE METAL SUBSTRATE. THE DOOR IS OF ONE-A-LAD WOODEN SUBSTRATE OF ~~WOODEN CASING IS OF DARK BROWN METAL SUBSTRATE~~

THE OTHER 1/2 OF THE WALL IS OF BRONZE GLAZED METAL BLOCKS. THE FLOOR IS OF BROWN BEIGE TON "RANGE" TILE. THE CEILING IS OF WHITE PLASTERED SUBSTRATE. SAMPLES 3 & 54 ARE FROM THE METAL BLOCKS.

COMMENTS: THE WALL IS ON BRICK OVER CONCRETE BLOCKS. THE DOOR IS ON L.P. CASING IS OF BRONZE METAL SUBSTRATE. THE DOOR IS OF ONE-A-LAD WOODEN SUBSTRATE. THE WINDOWS CASING IS OF BRONZE METAL SUBSTRATE.

THE DOOR IS OF BRONZE METAL SUBSTRATE

MEMORANDUM FOR RECORD

30 March, 1998

Subject: Potential UST @ Fairfield USARC

1 On 26 March, 1998 the undersigned visited the Fairfield, USARC (IL0026) to probe the ground where subject matter may exist. The probing activity was done by hand with a 42-inch stainless steel rod by the undersigned. A checkerboard pattern was roughly laid out according to old 1959 blueprints (Attachment 1) that I scaled off and probed to a depth of 36 to 40 inches. Nothing was found within the estimated 12' x 18' area.

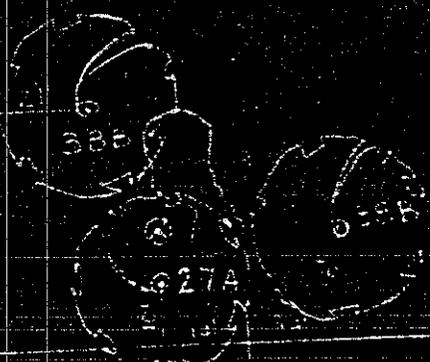
2. Other documentation on file given by the State Fire Marshal's Office indicates that two other UST's were removed from the site some years ago. One 2000-gallon UST was for the facility and the other was a 550-gallon for the OMS. This facility is relatively small and one 2000-gallon UST should suffice for heating it. Two UST's @ this facility would seemingly appear to be overkill for heating purposes and does not make sense to install a second UST for such a small facility.

3 This memorandum is being generated to be used for NEPA documentation and to state that the UST probably does not exist within the area described in Attachment 1. The POC for questions is the undersigned @ (618) 462-3440, ext. 14, fax - 0192 or Mr Kurt Zacharias @ (612) 713-3821, fax - 726-1405

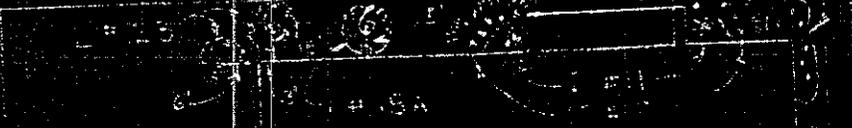


TONY L. BRIDGES
Illinois Environmental Manager, (REMSA, Inc.)
Supporting the 88th RSC

18'



FLAG
POLE



1-UNT
USAR CENTER

WEATHER
STATION

BRIDGE

PARKING AREA

FUTURE
LEAD HALL

ALL POLES - 35'

REVISION	DATE	DESCRIPTION	BY

**U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHICAGO, ILLINOIS**

PREPARED BY:
WES

DRAWN BY:
SA

CHECKED BY:
GCE

FAIRFIELD, ILLINOIS
UNITED STATES ARMY RESERVE
ARMY RESERVE CENTER
ONE - UNIT (M)
LANDSCAPE DESIGN

SUBMITTED BY:
E. Hoffmann

APPROVAL RECOMMENDED:
S. Bruce Chase

DATE:
20 APR. 59

APPROVED:
N. W. Wightman

SCALE: 1" = 3'

SHEET 1 OF 1

ENG. II-032-59-85
FILE NO.
16-10-111

Acty CHIEF, ENGINEERING DIVISION

Pull over 30+31" from Cor. Bldg
12' to E of UST.

Potentially exists
to use prints to
scale location
to probe &
d.g. 1" = 30'

931972

No

List Sites

1910105020

WAYNE

7

SITENAME

Site name changed/PRP name or address changed? (See Comments)

U.S. ARMY RESERVE CTR.

ADDRESS

SEC57 (Proceeding under 35 IAC Part 732 and Section 57, Title XVI)

1002 WEST LEININGER RD.

No

CITY

Find all LUST Incidents at this site (Will not find all Incidents if this site has been assigned more than one IEPA number)

FAIRFIELD

PRP (Responsible Party)

ELECTDATE

WALTON ARMY RESERVE CTR.

ATTN (PRP Contact)

SELECTE SELECT145 SELECTPLN

TINA ANDERSON

PRPADRESS

Title XVI Incident report plan selected for review

USAEC & FLW, ATZT-DEH-EE

Yes No Mandatory Optional

PRPCITY

PRPSTAT

PRPZIP

PRP PHONE

FT. LEONARDWOOD

MO

5473-5000

Print Page

CONSULTANT

PRODC

A-Gas, B-Unleaded, C-Diesel, D-Fuel Oil, E-Jet, F-Used (Waste) Oil, G-Non-Petroleum Product, P-Petroleum

ITEMA

NONLUST

SEC57_5

NFR_NFA

SITECLASS

PRM (Project Manager)

7/23/93

4/15/94

DAVIS

TRANSFER

RECLASS

GWGALLONS

(Gals. groundwater remediated)

SOIL

(Cubic yds remediated)

JCS CORE

ATAG (Alternative Technology Review)

ALT TECH (Alternative Technology Used)

Print Page

COMMENTS

TACO Institutional Controls and Engineered Barriers

Registered NFR letter received:

STYPE	Description	GDATE
GENERA	20 DAY 20 Day Report received	2/29/92
	NORL Notice of Release Letter sent	7/26/93
	45 DAY 45 Day Report received	11/16/93
	RL Review Letter sent	11/19/93
	RL Review Letter sent	1/27/94

TITLE XVI:

Print Page

TDATE (Date Received) RESPDUE (Response Due) RESPTYPE (Review Decision) RESPMAIL (Date Mailed)

STYPE	Description	TDATE	RESPDUE	RESPTYPE	RESPMAIL

AOL: Approved without Review APR: Approved with Modifications DEN: Denied DOL: Denied without Review MOD: Approved

ENFORCEMENT/COMPLIANCE :

ETYPE	Description	EDATE	CCA RM Type	In/Out of Compliance
RIL	Response Inquiry Letter sent	10/20/93		



State of Illinois

ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director

2200 Churchill Road, Springfield, IL 62794-9276

217/782-6761

April 15, 1994

Walter Army Reserve Center
Attn: Tina Anderson
USAEC & FLW, ATZT-DPW-EE
Ft. Leanordwood, Missouri 65473-5000

Re. LPC #1910105020 -- Wayne County
Fairfield/U.S. Army Reserve Center
101002 W. Lerninger Road
LUST Incident #931972
LUST TECHNICAL FILE

Dear Ms Anderson:

The Illinois Environmental Protection Agency has reviewed the Closure Report which was submitted for the above referenced LUST Incident. This information was dated April 7, 1994 and was received by the Agency on April 11, 1994.

Based upon the certification by Dale Montgomery, a registered Professional Engineer of Illinois, and based upon other information in the Agency's possession, it appears that the Illinois Environmental Protection Agency will not require any further remediation with regard to the above referenced LUST Incident.

This letter does not constitute Agency approval of any costs incurred during remediation, nor does this letter constitute Agency approval of any corrective action activities performed during remediation.

If you have any questions regarding this letter, please contact Valerie Davis of my staff at the above number.

Sincerely,

A handwritten signature in cursive script that reads "Clifford L. Wheeler".

Clifford L. Wheeler, Manager
Southern Sub-Unit
State Sites Unit
Leaking Underground Storage Tank Section
Division of Remediation Management

CLW:VD:bjh/598w/29

cc: DMA Environmental

bcc: Division File
Marion Region
Valerie Davis

DIVISION

LUST TECHNICAL REVIEW NOTES

File Heading:

1910125020 - Wayne
Fairfield U.S. Army Reserve
101002 W. Loring Rd
Ind# 931972
LUST/Arch

Reviewed by:

Valerie Dao
Date Reviewed: 4-13-94
Document(s) Reviewed:
Closure Report 4-7-94

LUST Information in Division File:

1EMA; 7/23/93, FRIL 10/20/93, Removal
Log: 7/23/93, Report 11/15/93, Review Letter 11/19/93,
Letter 11/30/93, 12/15/93, Report 1/17/94, Review Letter 1/27/94
(2/10/94)

Review Notes: 1-2000 + 1-550 #2 fuel oil UST (no release 550 gal)
~245 yd³ soil removed; Minor - Significant = ODFM Log
"Perched" water hit at 4' - no groundwater encountered. (backfill runcif.
12 samples for BTEX all BDL - 2 excavations (10) + 2 for removal
PNA sampling -> Detection Limits too high
Excavation 20'x20'x13' deep
No wells within 800' of site; wells within 1/4 mile use unknown.
6 Borings - PNA Analysis perimeter of excavation
10'-15'. All BDL

PE cert provided

Comments/Additional Work Needed:

Action Taken by Agency: "No Further Remediation..." Letter

Response Due: none



State of Illinois
ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director
 217/782-6760

2200 Churchill Road, Springfield, IL 62794-9276

January 27, 1994

*Received - 1/31/94
 6:20 DEC 22 1994
 Tina Anderson
 314
 596
 0956*

Walton Army Reserve Center
 Attn: Tina Anderson
 USAEC & FLW, **ATZT-DPW-EE**
 Ft. Leanordwood, MO 65473-5000

Re: LPC# 1910105020 -- Wayne County
 Fairfield/Walton Army Reserve Center
 101002 W. Lerninger Road
 Incident #931972
 LUST/Technical File

Dear Ms. Anderson:

The Illinois Environmental Protection Agency has reviewed the "Corrective Action Plan" which was submitted for the above referenced LUST Incident. This information was submitted by Select Environmental, dated January 17, 1994 and received by the Agency on January 21, 1994. Based on this information, the Agency requests the following.

1. A topographic map which shows the location of the site.
2. Provide a site map with locations of the:
 - UST Systems with excavation dimensions and sampling points
 - product and dispenser lines
 - pumps and islands
 - sewer, gas, water and electrical utility lines
 - nearby buildings, roads, etc.
3. Information concerning local geology and hydrogeology.
4. Based upon the dimensions of the former excavation, a minimum of 6 soil samples representing the floor and walls of the excavation should be analyzed for PNAs. If the ADLs cannot be reached, additional remediation of remaining contaminated soil will be required. The detection limits must meet the Agency ADLs.
5. If groundwater is found to have been in contact with contaminated soil, a groundwater investigation will be required, pursuant to 35 IAC Section 731.165.
6. A Laboratory Certification is required for all samples to be considered for closure.

RECEIVED
 FEB 07 1994
 IEPA/DLPC

7. Once remediation has achieved Agency cleanup objectives, a Professional Engineer Certification Form (included in the forms packet) must be completed.

Please provide the above information in the format of the Technical Reporting Form Packet previously sent upon IEMA notification. Submit this information to the Agency by March 31, 1994. Please include the Re: block at the beginning of this letter on all correspondence. All documentation must be submitted in duplicate. If you have any questions, please contact VALERIE DAVIS at the above number.

Sincerely,

Clifford L. Wheeler

Clifford L. Wheeler, Manager
Southern Sub-Unit
State Sites Unit
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

CLW:VD:pss

cc: Select Remediation Inc.

↑
NO envelope



State of Illinois

ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director
217/782-6760

2200 Churchill Road, Springfield, IL 62794-9276

January 27, 1994

Walton Army Reserve Center
Attn: Tina Anderson
USAEC & FLW
Ft. Leanordwood, MO 65473-5000

Re: LPC# 1910105020 -- Wayne County
Fairfield/Walton Army Reserve Center
101002 W. Lerninger Road
Incident #931972
LUST/Technical File

Dear Ms. Anderson:

The Illinois Environmental Protection Agency has reviewed the "Corrective Action Plan" which was submitted for the above referenced LUST Incident. This information was submitted by Select Environmental, dated January 17, 1994 and received by the Agency on January 21, 1994. Based on this information, the Agency requests the following.

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6. A Laboratory Certification is required for all samples to be considered for closure.

Division

LUST TECHNICAL REVIEW NOTES

File Heading:

1910105020 - 2 Wayne
Fairfield / Walter Army Res
101002 W. Zerninger Rd.
Inct# 931972
LUST / Technical File

Reviewed by:

Valerie Davis

Date Reviewed:

1/24/94

Document(s) Reviewed:

"CAP" : 1/17/94

LUST Information in Division File:

IEMA: 7/23/93; RII - Removal

Log: 7/23/93 - Report: 11/15/93; Review Letter: 11/19/93;
Letter: 11/30/93; 12/15/93

Review Notes: 1-2000 gallon #2 fuel oil LUST (1-550 f.o. present)

The tank had been previously abandoned.

Water in pit was from run-off.

- backfilled w/ gravel.

10 soil samples PNA'S PQL > ADL. Where?

Propose = borings & reanalyze for PNA'S

Comments/Additional Work Needed:

MAP!

Action Taken by Agency:

Request Sampling

Response Due:

3/31/94

Select Remediation, Inc.

3300 East 83rd Place
Merrillville, IN 46410
(219) 942-6200
(219) 942-3017 FAX



~~1910105020 Wayne~~
~~US Army Reserve Ctr.~~
SELECT ENVIRONMENTAL

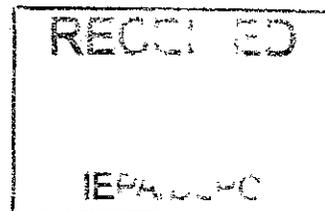
1910105020 - Wayne
US Army Reserve
LUST

January 17, 1994

Illinois Environmental Protection Agency
32200 Churchill Road
Springfield, Il. 62794-9276

Attention: Mr. Clifford Wheeler

Regarding: LPC#1910100003 - Wayne County
Fairfield/Walton Army Reserve Center
101002 W. Lerninger Road
Incident #931972
LUST/Technical File



Dear Mr. Wheeler:

Select Remediation, Inc. would like the opportunity to submit a Corrective Action Plan for the above mentioned project.

Prior to submittal, please review the following chain of events.

When Select Remediation, Inc. was contracted by Mosley Construction to perform the tank removals at the Walton Army Reserve Center, there were gray areas that were addressed as the work progressed.

Upon tank exposure, it was noted that an obvious release had occurred. From my understanding of the sites background, this tank had previously been abandoned in place, by filling with sand. Had this tank been properly cleaned during abandonment, it is doubtful a release would have occurred. This work was performed by others.

On July 23, 1993, State of Illinois Fire Marshall, Tom Erin arrived on site. Upon site inspection, Tom agreed a release had occurred and I called in for an incident number.

In following conversations with Ms. Tina Anderson, of the Army, and Mr. Roy McClendon of Mosey Construction, it was settled that all State reporting would be handled by Ms. Anderson. (see enclosure #1).

All information requested on your letter dated November 19, 1993 has been forwarded to our Contractor, Mosey Construction. (see enclosure #2)

From my conversation with Valarie Davis on January 14, 1994, there remains a concern regarding the elevated ADL's for the PNA results submitted.

January 17, 1994

Page Two

Attention: Mr. Wheeler

Through my conversations with the laboratory, they informed me that there have been issues in the past regarding elevated detection limits.

To clarify these concerns, the laboratories sent explanation letters. (see enclosure #3)

Samples collected by me were of a very brown clay. This dense material, in past projects, has led to elevated ADL's of PNA's due to the inherent difficulty of extractability for analysis.

It is, in my personal opinion, the reason leading to the elevated ADL's, was due to the matrix of the material analyzed.

During our initial Corrective Action, Select Remediation, Inc. excavated and stockpiled contaminated soils on 6 mil. poly sheeting. Excavation continued until there were no visible signs of contamination.

A Photoionization Meter was also utilized to detect for any Hydrocarbons. No readings were detected prior to sample collection.

Upon disposal acceptance, the contaminated soil was transported to Daubs Landfill for proper disposal.

It is our feeling that no further remedial activity should be required as the needed Corrective Action has previously transpired.

If deemed necessary, by the State of Illinois, a Corrective Action Plan is enclosed (enclosure #4) for your review and acceptance.

This review is intended as an informational instrument only.

There has been some confusion in the past and Select Remediation wanted the opportunity to address these issues directly.

Select Remediation, Inc. would like the opportunity to clarify any further questions or concerns, regarding this project directly to close this issue in an expeditious manner.

Please feel free to contact me at 219-942-6200.

January 17, 1994
Page Three

Attention: Mr. Wheeler

A handwritten signature in cursive script, appearing to read "Peter Gallati". The signature is written in black ink and is positioned above the word "Sincerely,".

Sincerely,

SELECT REMEDIATION, INC.

Peter Gallati
Project Manager

CC: Richard Hughes
Ken Lewis
Roy McClendon

enclosures

ENCLOSURE #1

Select Remediation, Inc.

3300 East 83rd Place
Merrillville, IN 46410
(219) 942-6200
(219) 942-3017 FAX



November 15, 1993

Mosley Construction, Inc.
11235 Manchester Road/Lower Level
St. Louis, MO. 63122

Attention: Mr. Ken Mosley

Regarding: Project Tank Closure Summaries
Marion & Fairfield, Illinois

Dear Mr. Mosley:

In response to your letter to Mr. Dino Sarti today, Select Remediation, Inc. would like the opportunity to clarify your concerns that have arisen regarding the project closure summaries in question.

On September 17, 1993, Select Project Manager, Peter Gallati, completed a report for the Marion, Illinois project.

On September 23, 1993, an additional report was completed for the Fairfield, Illinois project.

These reports, along with our invoice, were forwarded to Mr. Roy McClendon of Mosley Construction on September 23, 1993.

It was assumed these reports would be forwarded to Ms. Tina Anderson.

It had been discussed with her that she would handle all activity regarding correspondence with the State of Illinois, including but not limited to the required 20 day closure reports, 45 day closure reports and final project closure reports.

On November 9, 1993, I received a call from Roy McClendon. He stated that Tina Anderson had called saying that the State had not received these project reports. I explained to Roy that I had forwarded the reports with our invoice to him.

To expedite the matter, I told Roy I would forward them immediately. The reports in question were mailed on November 9, 1993.

November 15, 1993
Page Two

Today I received a call from Roy stating that Tina Anderson had called again. She informed him that the State had not yet received the reports.

After reviewing the project files this morning, it was noted that the reports had inadvertently been mailed to Illinois State Fire Marshall Office, not to the Illinois Environmental Protection Agency.

The reports have been Federal Expressed and the State will be in receipt of them by November 16, 1993.

Copies of these reports have again been forwarded to Roy McClendon. He assured that these reports, in turn, will be forwarded to Ms. Tina Anderson.

Please contact me directly with any further questions or concerns.

Sincerely,

SELECT REMEDIATION, INC.

A handwritten signature in black ink, appearing to read "Peter Gallati", with a large, sweeping flourish extending to the left.

Peter Gallati
Project Manager

CC: Dino Sarti
Richard Hughes

ENCLOSURE #2

Select Remediation, Inc.

3300 East 83rd Place
Merrillville, IN 46410
(219) 942-6200
(219) 942-3017 FAX



December 8, 1993

Mosley Construction
P.O. Box 213
Ft. Leonardwood, MO. 65413

Attention: Mr. Roy McClendon

Dear Roy:

As per our conversation today 12-8-93, Select Remediation, Inc. would like the opportunity to clarify questions that have arisen regarding the project performed at the Wilson Army Reserve Center, located in Fairfield, Illinois.

Questions and Answers are as follows:

1. What was the specific location of Sample B-7 which had elevated levels of PNA's and Sample Matrix of this material

Answer:

Sample B-7 was a water sample collected from the excavation. Three separate samples were collected and composited into one. It is standard protocol to have analysis run whenever water is encountered during the removal of an Underground Storage Tank.

This information is clearly noted on Select Remediation, Inc. Chain of Custody # 1019 that was submitted in our Project Summary dated September 23, 1993.

The excavation water encountered was drummed and sent off as special waste on July 23, 1993. There were 880 gallons shipped on manifest #IL4955166

2. Please clarify if ground water was encountered

Water was initially encountered during tank exposure.

It appeared to be run off water that had collected around the tanks porous backfill material. After tank removal, concrete pad removal, and water removal, it was noted that in fact the water encountered was run off water.

No underground aquifer was encountered. It may also be noted that site photo #11, from Select Remediation, Inc. Project Summary, shows the final cleared excavation prior to backfilling.

Wayne County has been contacted and a topographic map showing the site location will be forwarded to you upon receipt by us.

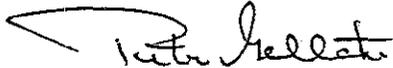
December 8, 1993
Page Two

Attention: Mr. McClendon

In conclusion, Select Remediation, Inc. would appreciate the opportunity to clarify any further questions, as they arise, to avoid further miscommunication regarding this project.

Sincerely,

SELECT REMEDIATION, INC.

A handwritten signature in cursive script, appearing to read "Peter Gallati".

Peter Gallati
Project Manager

CC: Rick Hughes
Ken Lewis

ENCLOSURE #3



Rt. 4, Box 282A
Metropolis, IL 62960
(518) 524-4115

Full Service Environmental Testing Facility for Earth, Water, and Air Analysis

11-24-93

Mosley Construction
P.O. Box 213
Ft. Leonardwood, Mo. 65413

ATT: Roy McClendon

Mr. McClendon:

Per the request of Select Remediation I am sending you a letter of explanation(see enclosure) regarding the reasoning behind dilution factors during the PNA 8310 analysis and the effect upon the detection limits. This letter was written for me by the technical director at Specialized Assays, the laboratory which performed the PNA's from the Walton Army Reserve site. I asked Specialized to compose this letter as an explanation for my clients regarding the elevated detection limits due to dilution factors.

Several laboratories have had to compose and present similar explanatory letters regarding the same situation. Such EPA contract laboratories as Specialized Assays in Nashville, ARDL in Illinois and ESE in Peoria, Illinois are also running into the same problem. The problem lies in the extremely low detection limits required on certain PNA components for soil analysis. These detection limits require the use of high performance liquid chromatography(HPLC) which is extremely sensitive. In Mr. Dunn's letter he describes method detection limits(MDL) and practical quantitation limits(PQL). An MDL is the lowest concentration that can be achieved for the target component and which can be determined to be three times above baseline reading(water sample without contamination) at a 99% confidence level. The PQL is the lowest limit that can be achieved within specified limits of precision and accuracy and is usually several times greater than the MDL. The PQL is then what the lab uses as its detection limits. Certain PNA detection limits, however, are only two or three times greater than the MDL. As a result, the HPLC instrumentation must be utilized to achieve these low levels. However, it doesn't take much concentration in a soil sample, or interferences due to the sample matrix itself, to cause the reading to be

Page 2 of 2

beyond the scale of the instrument or interfere with accurate integration of the target compound. When such instances occur the sample must be diluted. This dilution may be due to elevated PNA components or it could be due to interferences from the sample matrix itself and not necessarily due to specific PNA components.

I realize that this explanation may be confusing and that it may not assist you in your remediation. I also realize that it provides a "grey" answer instead of a black and white solution. Please keep in mind, however, that this is how a laboratory must represent its results if it has deviated from standard SW 848 protocol and that it is also how the Illinois EPA organic division would publish its results if the same situation occurred.

If you have any questions, please call.

Sincerely,

A handwritten signature in black ink, appearing to be "S. Ireland", with a long, sweeping flourish extending to the right.

S. Ireland
President

enc:letter



SPECIALIZED ASSAYS ENVIRONMENTAL • 300 12th Avenue South • Nashville, Tennessee 37203
615-726-0177 • 1-800-765-0980 • Fax 615-726-3404

November 15, 1993

Ms. Shirley Ireland
Ireland Laboratories
Rt. 4, Box 282A
Metropolis, IL. 62960

Dear Ms. Ireland,

Per your recent request regarding method detection limits (MDL) and practical quantitation limits (PQL), I will try to put these in context with respect to the analysis of polyaromatic hydrocarbons (PAH) using EPA Method 8310.

The analysis of PAH by this method uses two techniques: chromatography for separation of complex organic mixtures, and spectroscopy for detection of organics. While this method provides excellent results for very low levels of compounds, it is not as specific as mass spectroscopy, since each detector used in the method responds to functional groups that are present in non-PAH compounds (i.e. petroleum fuels).

Method 8310 states in p.1.3 that the sensitivity of the method is dependent on the level of interferences. It lists the estimated PQL by matrix in Table 2. Typically, PQL are five to 10 times greater than MDL in water, where the EPA defines MDL as a signal three times the noise at 99 percent confidence level. For example, the average MDL for this method is about 0.0015 mg/kg in sterile soil. For soil and sludges, Table 2 in 8310 states the PQL to be about 670 times the MDL, or 1.0 mg/kg. These are estimates, and as noted in the method, these PQL may not be achievable.

When concentrations of compounds are high, the detector response reaches a limit and becomes non-linear. Quantitation requires that the detector signal be within the calibration range, so dilution becomes necessary per p. 7.4.4. Dilution raises the PQL by that amount, so if a "dirty" sample is diluted by 1000 times (which is not unusual), the PQL then becomes about 1.5 mg/kg. Since this range is within GC/MS, limits these "dirty" soil samples are analyzed by method 8270, which provides absolute identification of the PAH.

In conclusion, for very low level analysis of PAH, method 8310 is preferred; however, for samples contaminated with organic compounds such as petroleum fuels, method 8270 would be recommended. MDL are based on using very pure laboratory reagent water and have little relevance to real sample matrices. PQL are matrix dependent and are many times the MDL for most samples, particularly soils and sludges. To eliminate false-positives in contaminated samples the use of GC/MS is mandatory.

I hope this brief discussion of quantitation has been of benefit. If you need additional information, please feel free to contact me.

Sincerely,

Michael H. Dunn

Michael H. Dunn
Technical Director

**Illinois Environmental Protection Agency
LABORATORY CERTIFICATION
for the Corrective Action Form**

1 a. I was responsible for sample collection. I certify that samples were collected using approved USEPA procedures.

PL
(Initial)

1 b. I was not responsible for sample collection.

(Initial)

2. I certify that chain of custody procedures were followed prior to receipt by the laboratory as documented on the chain of custody forms.

PL
(Initial)

3. I certify that quality assurance/quality control procedures were established and carried out.

PL
(Initial)

4. I certify that proper preservation techniques were followed.

PL/PL
(Initial)

5. I certify that sample holding times were not exceeded.

PL/PL
(Initial)

6. I certify that SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analysis.

PL
(Initial)

7. I certify that the lowest practicable quantitation limit found in SW-846 for soils and groundwater were met for each parameter.

PL
(Initial)

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

LABORATORY
Lreland Laboratories, Inc.

Name: Shirley Ireland

Title: President

Address: Rt. 4 Box 282A
Metropolis, IL 62960

Signature: [Signature]

Date: 11/24/93

SAMPLE COLLECTOR

Name: PETER J GALLATI

Company: SELECT REMEDIATION INC

Title: PROJECT MANAGER

Address: 3300 E 83RD PLACE
MERRILLVILLE IN 46410

Signature: [Signature]

Date: 11/23/93

This Agency is authorized to require this information under Illinois Revised Statutes, 1989, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$25,000 for each day the failure continues, a fine up to \$50,000 and imprisonment up to 6 years. This form has been approved by the Forms Management Center.

ENCLOSURE #4

Select Remediation, Inc.

3300 East 83rd Place
Merrillville, IN 46410
(219) 942-6200
(219) 942-3017 FAX

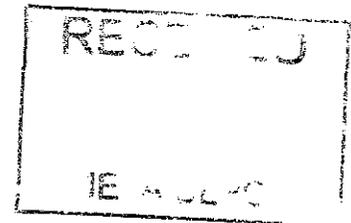


January 17, 1994

Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, Il. 62794-9276

Attention: Mr. Clifford Wheeler

Regarding: LPC #1910100003 Wayne County
Fairfield/Walton Army Reserve Center
101002 W. #931972
LUST/Technical File



Dear Mr. Wheeler:

Please find enclosed Select Remediation, Inc. Corrective Action Proposal for the above mentioned facility.

Select Remediation, Inc. proposes to perform Six (6) soil borings to a depth of Ten (10) foot. Upon reaching this depth, a split spoon sampler will be utilized to collect soil samples at 10 to 12 foot depths. These soil samples will be analyzed for PNA's to determine if acceptable detection limits can be reached and if any soil contamination remains.

One sample will be collected from each wall, within One (1) foot of the previous excavation walls.

Two samples will be collected as a background, within Twenty Five feet of the previously excavated area.

- * All equipment will be decontaminated during and after each sample collection.
- * Samples collected will be containerized and put on ice for transport to Quality Analytical Laboratory for analysis.
- * Upon receipt of analytical results, a report of our findings will be forwarded to you.

January 17, 1994
Page Two

Attention: Mr. Wheeler

Should this Corrective Action Proposal meet your needs, please contact me at 219-942-6200.

Sincerely,

SELECT REMEDIATION, INC.

A handwritten signature in cursive script, appearing to read "Peter Gallati". The signature is written in black ink and is positioned above the printed name and title.

Peter Gallati
Project Manager



DEPARTMENT OF THE ARMY
HEADQUARTERS
US ARMY TRAINING CENTER ENGINEER AND FORT LEONARD WOOD
FORT LEONARD WOOD, MISSOURI 65473

REPLY TO
ATTENTION OF

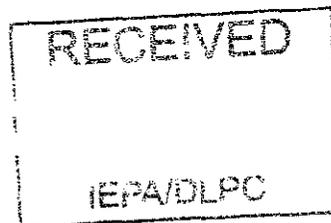
December 15, 1993

Directorate of Public Works

1910105020 - Wayne
U.S. Army Reserve
LUST

Environmental Protection Agency
Bureau of Land, Division of Remedi
Leaking Underground Storage Tank S
ATTN: Ms. Valerie Davis
2200 Churchill Road, P.O. Box 19276
Springfield, IL 62794-9276

Re: LPC #1910100003 -- Wayne County
Fairfield/Walton Army Reserve
101002 W. Leininger Road
LUST Incident #931972



Dear Ms. Davis:

Reference letter from this office, dated November 19, 1993 stating: "The U.S. Government contracted with Mosley Construction, INC to remove the above referenced tank and submit all required reports. Mosley Construction, INC subcontracted with Select Environmental, INC to perform the work. Unfortunately, the Contractor has failed to perform to the State's satisfaction."

A dispute came about from the above statements and our Legal Department has determined that the contractor is only required "to gather and provide " information pertaining to the closure reports to this Office and we have the responsibility to prepare and submit the reports to the Illinois EPA.

In light of this, we would like to request an extension of 30 days to properly prepare and submit the required reports.

This Office apologizes, for the errors, delays, and misunderstandings that have occurred, to all concerned.

Page 2

For further information, contact Mrs. Tina Anderson, (314)-596-0869.

Scott Murrell
Scott Murrell
Chief, Environmental Division

CF:
Job Order Contracting, ATTN: Todd Anderson
Directorate of Contracting, ATTN: Darlene Pemberton
Mosley Construction, INC, ATTN: Kem Mosley



DEPARTMENT OF THE ARMY
HEADQUARTERS
U.S. ARMY ENGINEER CENTER AND FORT LEONARD WOOD
FORT LEONARD WOOD, MISSOURI 65473-5000



REPLY TO
ATTENTION OF

November 30, 1993

Directorate of Public Works

1910105020 - Wayne
U.S Army Reserve
LUST

Environmental Protection Agency
Bureau of Land, Division of Remediation
Leaking Underground Storage Tank -----
ATTN: Ms. Valerie Davis
2200 Churchill Road, P.O. Box 19276
Springfield, IL 62794-9276

Re: LPC #1910100003 -- Wayne County
Fairfield/Walton Army Reserve
101002 W. Leininger Road
LUST Incident #931972



Dear Ms. Davis:

Response Inquiry Letter, dated October 20, 1993 and Review of Closure Report letter, dated November 19, 1993 were received by this Office. The U.S. Government contracted with Mosley Construction, INC to remove the above referenced tank and submit all required reports. Mosley Construction, INC subcontracted with Select Environmental, INC to perform the work. Unfortunately, the Contractor has failed to perform to the State's satisfaction. This Office apologizes for the errors and delays and will endeavor to ensure this situation is remedied as soon as possible.

Enclosed as requested, is a copy of the Notification Form for Underground Storage Tanks that was provided to the Illinois State Fire Marshall Office.

For further information, contact Mrs. Tina Anderson, (314)-596-0956\0869.

Scott Murrell
Scott Murrell
Chief, Environmental Division



CF:

Job Order Contracting, ATTN: Todd Anderson

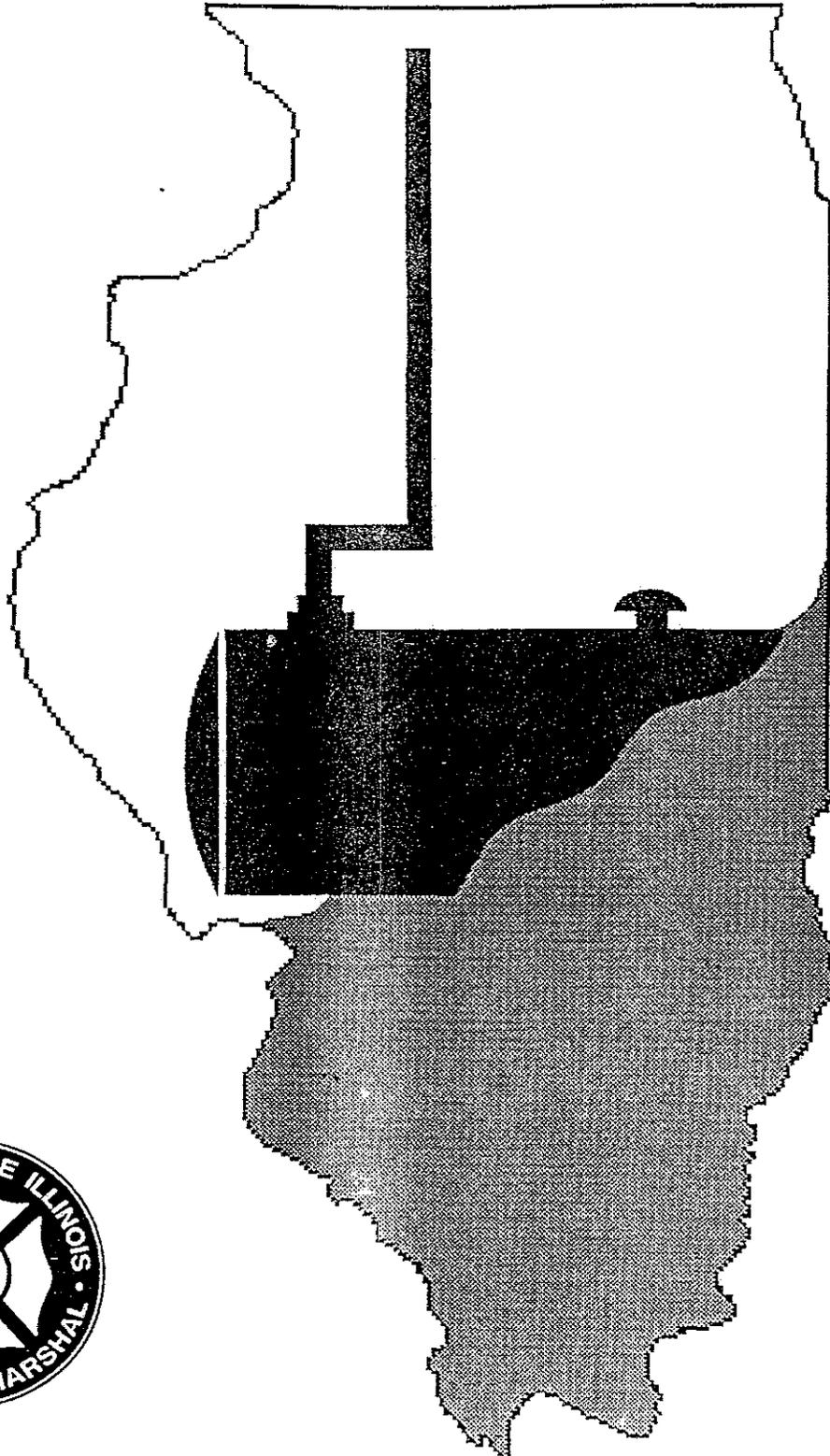
Directorate of Contracting, ATTN: Darlene Pemberton

Mosley Construction, INC, ATTN: Kem Mosley

**Office of the Illinois State Fire Marshal
Division of Petroleum and Chemical Safety**

1035 Stevenson Drive
Springfield, Illinois 62703-4259

Notification Form for Underground Storage Tanks



General Information

Notification is required by state law for all underground storage tanks (USTs) that have been in use any time since January 1, 1974 and were in the ground as of September 24, 1987. Federal law required notification by May 8, 1986.

The primary purpose of this notification program is to locate and evaluate USTs that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief or recollection.

Who must notify? Owners of USTs are responsible for notification. "Owner of an underground storage tank system" means the person who has legal or equitable title to an underground storage tank system which has or has had a regulated substance contained in it.

What tanks are included? A UST must contain or have contained a regulated substance - regulated substances of either petroleum or hazardous substances. A "petroleum UST system" means UST system that contains or has contained petroleum or a mixture of petroleum; petroleum products which naturally or routinely contain hazardous substances are classified as petroleum. A "hazardous substance system" means UST system that contains or has contained a hazardous substance, as defined by federal law, including a mixture of hazardous substance and petroleum.

What tanks are excluded? The state excludes those USTs excluded by federal law, except heating oil tanks for consumptive use on the premises for space heating 110 gallons or greater in capacity serving other than residential units ("residential units" includes only single family dwelling units and duplexes).

When to notify? Owners of USTs that have been in use at any time since January 1, 1974 and were in the ground as of September 24, 1987, if not already registered, should be immediately - this applies to USTs already removed. Any owner of a newly installed UST is required to register within 30 days after product is placed in tank. Any new owner of a UST that was previously registered, is required to file an amended notification form within 30 days after acquiring ownership. There must be an amended notification form submitted by the UST owner, indicating any change in information on a previously filed form within 30 days of such change, including upgrades.

Where to notify? Completed notification forms should be sent to: Office of the State Fire Marshal, Division of Petroleum and Chemical Safety, 1035 Stevenson Drive, Springfield, IL 62703-4259.

Penalties: Any owner who knowingly fails to notify or submits false information may be subject to a federal civil penalty not to exceed \$10,000, plus any applicable state fines, for each tank of which notification is not given or of which false information is submitted.

IL	Notification for Underground Storage Tanks	OFFICE USE ONLY
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- A separate form must be used for each site.
- If you have more than five tanks, photocopy pages 1-5 and attach to this notification form.
- Please type, or print in ink; the signature under "certification" (section IX) must be signed in ink.

ID NUMBER <u>7-019648</u>
DATE RECEIVED

Facility I.D. # (if known) _____ Owner I.D. # (if known) _____

TYPE OF NOTIFICATION

New Facility Amended (Changes/Corrections/Additional Tanks) Mark all that apply:

_____ Owner Address Change (this facility only)	_____ Tanks Relined (Permit # _____)
_____ Owner Address Change (all facilities owned)	_____ Tanks Installed (Permit # _____)
_____ New Owner	_____ Tanks Upgraded/Repaired (Permit # _____)
<u>X</u> Tank(s) Removed (Permit # <u>9183-93</u>)	_____ Abandonment Notice (Permit # _____)
_____ Other _____	

I. Ownership of Tank(s)	II. Location of Tank(s) (if same as Section I, Mark box) <input type="checkbox"/>
--------------------------------	---

<p><u>Dept. of the Army</u> <u>US Army Engine (127th + 11th + 16th)</u></p> <p>Owner Name (Corp., Individual., Public Agency or other Entity)</p> <p><u>ACT FTZT-DPU-EE BLDG-2101</u></p> <p>Mailing Address</p> <p><u>FORT LEONARD WOOD MO. 65473-5000</u></p> <p>City State Zip</p> <p><u>Missouri</u></p> <p>County</p> <p><u>TINA ANDERSON 314-596-0956</u></p> <p>Contact Name (Area Code) Phone</p>	<p><u>US Army Reserve CTR.</u></p> <p>Facility Name or Company Site Identifier, as applicable</p> <p><u>1002 W LEININGER RD.</u></p> <p>Street Address or State Road, as applicable (exact address)</p> <p><u>Fairfield IL 62837</u></p> <p>City State Zip</p> <p><u>Union</u></p> <p>County</p> <p><u>Shirley Ann (1-8-942-201)</u></p> <p>Contact Name (Area Code) Phone</p>
---	--

III. TYPE OF OWNERSHIP (mark all that apply)

<input checked="" type="checkbox"/> Current Owner of Tanks Date Purchased <u>2/2/1960</u>	<input type="checkbox"/> Ownership Uncertain _____
<input type="checkbox"/> Former Owner	<input type="checkbox"/> Other _____

IV. TYPE OF FACILITY

Type of Facility (Circle correct code)

A. Service Station	G. Industrial/Manufacturing	M City/Town	S. Port District
B. Bulk Plant	H. Private Institution	N County	T. Utility District
C. Petroleum Distributor	I. Residence (Non-Farm)	O State	U. Fire Dept
D. Convenience Store	J. Farm	<u>(P)</u> Federal (Military)	V. Other Special
E. Auto Dealer	K. Airport	Q. Federal (Non-Military)	Service Districts
F. Commercial/Retail	L. Marina	R. School District	W. Other _____

(Please Specify)

V. Description of Underground Storage Tanks (Complete entire column for each tank)

Tank Identification Number	Tank No. <u>1</u>	Tank No. <u>2</u>	Tank No. <u> </u>	Tank No. <u> </u>	Tank No. <u> </u>
1. Status of Tanks					
Currently in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporarily out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permanently out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Removed (Section 3 must be completed)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abandoned in place (Section 4 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Tanks Permanently & Temporarily Out of Use					
Estimated date last used	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
3. Tanks Removed					
Date tank(s) removed	<u>07/23/93</u>	<u>07/22/93</u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
Estimated date last used	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
4. Abandoned in Place					
Date tanks filled	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
Tank filled with:					
Inert materials (sand, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
5. Age of Tank					
Date tank installed	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
Date product placed in tank	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>	<u> / / </u>
6. Estimated Total Capacity (gallons)	<u> 2100 </u>	<u> 560 </u>	<u> </u>	<u> </u>	<u> </u>
7. Substances Currently or Last Stored:					
Petroleum					
Diesel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Used oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please specify)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Petroleum Use (if applicable).					
Heating oil (consumptive use on premises)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back-up generator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Hazardous Substance:					
Name of principal CERCLA substance	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Chemical Abstract Service (CAS No)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

VI. Description of Underground Storage Tanks (Complete entire column for each tank)

Tank Identification Number	Tank No. <u>1</u>	Tank No. <u>2</u>	Tank No. <u> </u>	Tank No. <u> </u>	Tank No. <u> </u>
1. Material of Construction (mark all that apply) <ul style="list-style-type: none"> Asphalt coated or bare steel <input checked="" type="checkbox"/> Cathodically protected steel <input type="checkbox"/> Dielectric coated steel <input type="checkbox"/> Composite (steel with fiberglass) <input type="checkbox"/> Fiberglass reinforced plastic <input type="checkbox"/> Lined interior <input type="checkbox"/> Double-walled <input type="checkbox"/> Secondary containment <input type="checkbox"/> Steel STI-P3 <input type="checkbox"/> Other (please specify) _____ 	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____
2. Piping Materials (mark all that apply) <ul style="list-style-type: none"> Bare steel <input type="checkbox"/> Galvanized steel <input checked="" type="checkbox"/> Fiberglass reinforced plastic <input type="checkbox"/> Cathodically protected <input type="checkbox"/> Double-walled <input type="checkbox"/> Secondary containment <input type="checkbox"/> Dielectric coating <input type="checkbox"/> Other (please specify) _____ 	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____
3. Piping Type (mark all that apply) <ul style="list-style-type: none"> European suction <input type="checkbox"/> American suction <input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Gravity feed <input type="checkbox"/> Other (please specify) _____ 	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____

Tank Identification Number	Tank No. <u>1</u>		Tank No. <u>2</u>		Tank No. <u> </u>		Tank No. <u> </u>		Tank No. <u> </u>	
4. Release Detection (Mark all that apply)	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
Manual tank gauging	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Inventory controls	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Automatic tank gauging	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Vapor monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interstitial monitoring double-walled tank/piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interstitial monitoring /secondary containment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tank tightness testing	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Automatic line leak detector		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Line tightness testing		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Automatic shut-off device		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Continuous alarm system		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
No requirements (european suction)		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Other (please specify)	<u> </u>		<u> </u>		<u> </u>		<u> </u>		<u> </u>	
5. Corrosion Protection (mark all that apply)	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
Cathodic protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Impressed current	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Secondary containment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exterior coating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass reinforced plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double-walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interior lining	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u> </u>		<u> </u>		<u> </u>		<u> </u>		<u> </u>	
6. Spill & Overfill Prevention (Mark all that apply)										
Overfill device	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Automatic shut-off	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Overfill Alarm	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Ball float valve	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Spill containment device	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Other (Please specify)	<u>NONE</u>		<u>NONE</u>		<u> </u>		<u> </u>		<u> </u>	

VII. Certification of Compliance (Complete for all new, upgraded and relined tanks at this location)

Installation (mark all that apply)					
Installer certified by tank and piping manufacturers	<input type="checkbox"/>				
Installer certified or licensed by implementing agency	<input type="checkbox"/>				
Installer registered by implementing agency	<input type="checkbox"/>				
Installer is the owner of the tank(s)	<input type="checkbox"/>				
Installation inspected by a registered engineer	<input type="checkbox"/>				
Installation inspected & approved by implementing agency	<input type="checkbox"/>				
Manufacturer's installation checklists have been completed	<input type="checkbox"/>				
Another method allowed by state agency (please specify)	_____	_____	_____	_____	_____

OATH: I certify the information that is provided in section VII is true to the best of my knowledge, and certify that the installation was performed in accordance with all applicable state and federal laws and regulations. (THIS SECTION MAY ONLY BE COMPLETED BY THE CONTRACTOR. SEPARATE OATH MUST BE SUBMITTED FOR EACH ACTIVITY PERFORMED BY DIFFERENT CONTRACTOR.)

Tank No. _____ Permit No. _____

Contractor: _____
 Name Signature (must be original) Date

 Position Company

VIII. Financial Responsibility

Mark all that apply:

- Self-Insurance
- Commercial Insurance
- Risk Retention Group
- Guarantee
- Surety Bond
- Letter of Credit
- Certificate of Deposit
- Trust Fund
- Other Method Allowed

(please specify) FEDERAL GOVERNMENT

IX. Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.

TIVA ANDERSON
ENVIRONMENTAL SPECIALIST
 Name and official title of owner or owner's authorized representative (print)

Tiva Anderson
 Signature (must be original)

1/30/04 3
 Date Signed



State of Illinois
ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director

2200 Churchill Road, Springfield, IL 62794-9276

217/782-6760

November 19, 1993

Walton Army Reserve Center

Attn: Tina Anderson

USAEC & FLW

Ft. Leanordwood, MO 65473-5000

Re: LPC# ¹⁹¹⁰¹⁰⁵⁰²⁰ ~~1910100003~~ -- Wayne County
Fairfield/Walton Army Reserve Center
101002 W. Lerninger Road
Incident #931972
LUST/Technical File

Dear Ms. Anderson:

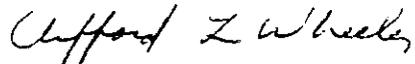
The Illinois Environmental Protection Agency has reviewed the Closure Report which was submitted for the above referenced LUST Incident. This information was submitted by Select Environmental, dated November 15, 1993 and received by the Agency on November 16, 1993. Based on this information, the Agency requests the following.

1. A topographic map which shows the location of the site.
2. Provide a site map with locations of the:
 - UST Systems with excavation dimensions and sampling points
 - product and dispenser lines
 - pumps and islands
 - sewer, gas, water and electrical utility lines
 - nearby buildings, roads, etc.
3. Please clarify if Groundwater was encountered during excavation activities. Pursuant to 35 IAC 731.165 a Groundwater Investigation may be required.
4. Information concerning local geology and hydrogeology.
5. Sample #B-7 exceeded cleanup objectives for PNAs. In addition, all samples did not meet the Acceptable Detection Limits for PNAs. These areas must have samples analyzed meeting the ADLs for closure. Also, please clarify where these samples were taken on a map.
6. A Laboratory Certification is required for all samples to be considered for closure.

Letter to Tina Anderson
Page 2

Please provide the above information in the format of the Technical Reporting Form Packet previously sent upon IEMA notification. Submit this information to the Agency by December 30, 1993. Please include the Re: block at the beginning of this letter on all correspondence. All documentation must be submitted in duplicate. If you have any questions, please contact VALERIE DAVIS at the above number.

Sincerely,



Clifford L. Wheeler, Manager
Southern Sub-Unit
State Sites Unit
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

CLW:VD:pss

cc: Select Remediation Inc. (with Enclosure)

bcc: Marion
Division
Valerie Davis

Division

LUST TECHNICAL REVIEW NOTES

1910105020
File Heading:
~~1910100003~~ - Wayne
Fairfield/Walton Army Reserve
101002 W. Leringer Rd
Inst # 931972
LUST/Technical File

Reviewed by: Valerie
Date Reviewed: 11/17/93
Document(s) Reviewed:
Report: 11/16/93

LUST Information in Division File: EMA: 7/23/93; Removal
Log: 7/23/93; RIL: 10/20/93

Review Notes: 1-2000 & 1-550 #2 fuel oil
"Perched" water? hit at 4' depth.
"backfill runoff?"
Site classified as possibly Signif. by USFWM.
Excavation dimensions? 10x2?
- backfilled w/ gravel & compacted
10 soil samples (2 pits?) BTEX & PNAS
Can not make any pictures out.

Comments/Additional Work Needed: ^{info.}
Maps!
Clarification of groundwater was encountered -
low info. / OGI maybe necessary
lab test.

Sent Reporting Forms to Consultant.

Action Taken by Agency: Review letter

Response Due: 12-30-93

1916105020 - Wayne
U.S. Army Reserve Ctr.
LUST

DALE MONTGOMERY, P.E.
DMA ENVIRONMENTAL
575 West Madison
Suite 2201
Chicago, IL 60661
(312) 258-9552

April 7, 1994

Valerie Davis
Illinois Environmental Protection Agency
Division of Land Pollution Control
Leaking Underground Storage Tank Section
State Sites Unit
2200 Churchill Road, P.O. Box 19276
Springfield, Illinois 62794-9276

Re. LPC #1910100003 -- Wayne County
Fairfield/Walton Army Reserve Center
101002 W Lerninger Road
Incident #931972
LUST/Technical File

Dear Ms Davis:

Enclosed on behalf of the Walton Army Reserve Center in Fairfield, Illinois is the final supplemental information to complete all closure requirements for the above referenced LUST Incident. Per our telephone conversation in February, 1994 I have responded to the comments in your January 27, 1994 letter to Ms Tina Anderson of the Walton Army Reserve Center. The comments and responses are summarized below with the supporting information included in five Comment Response Sections of this submittance.

COMMENT #1: TOPO map requested showing location of site.
Response #1: See Comment Response Section #1

Site is shown located on far lefthand bottom corner of Fairfield, Illinois Quadrangle Also, for reference, approximate location is shown on adjacent Burnt Prairie, Illinois Quadrangle. The correct site locator information which may have been incorrectly stated in previous information submitted is SW Quarter of NW Quarter of Section 1, T2S, R7E.

Valerie Davis
April 7, 1994
Page 2

COMMENT #2: Provide a site map with specified information
RESPONSE #2: See Comment Response Section #2

Site maps, drawings and sketches are provided per limited information provided by client. Further detail typically provided with heavily contaminated or for a site that had not already been remediated was not believed necessary.

COMMENT #3: Provide local geology and hydrogeological information
RESPONSE #3: See Comment Response Section #3

Well logs and other information obtained from Illinois Geological Survey are provided. The observations of the excavation hole and the soil borings also support the conclusion that there is no groundwater or soil contamination problem at the site.

COMMENT #4: Perform 6 soil borings representing the floor and walls of the excavation and sample for PNAs with results below Agency ADLs. (USEPA Method 8270)
RESPONSE #4: See Comment Response Section #4.

The borings were performed by former IEPA driller geologist and are completely described in his enclosed report. The boring locations were amended slightly from plan due to overhead wires and proximity to building structures and utility lines. However, it is believed 6 representative samples were obtained.

COMMENT #5: If groundwater contaminated. .
RESPONSE #5: Again, see Comment Response Section #4

Final soil sampling did not reveal any contaminated groundwater; thus no groundwater investigation is required.

COMMENT #6: Provide a Lab Certification Form for closure samples.
RESPONSE #6: See Comment Response Section #4

The original signed laboratory certification is enclosed with soil boring, sampling and lab report.

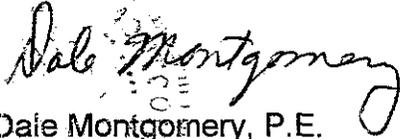
Valerie Davis
April 7, 1994
Page 3

COMMENT #7: Provide signed Professional Engineer Certification Form
RESPONSE #7: See Comment Response Section #5

I have completed and signed the Professional Engineer Certification Form indicating my belief that the remediation has achieved Agency clean-up objectives.

Please accept my regrets that this final completion information was delayed by a clerical failure to mail it. If there is any additional information required, please don't hesitate to call me at (312) 258-9552.

Sincerely,

A handwritten signature in cursive script that reads "Dale Montgomery". The signature is written in dark ink and is positioned above the typed name.

Dale Montgomery, P.E.
President
DMA Environmental

cc: Roy McClendon, Mosely Construction
Tina Anderson, Army Reserve Center
Peter Gallati, Select Remediation

COMMENT RESPONSE

SECTION #1

TOPO MAP OF SITE



FAIRFIELD, ILL.

NE/4 FAIRFIELD 15' QUADRANGLE

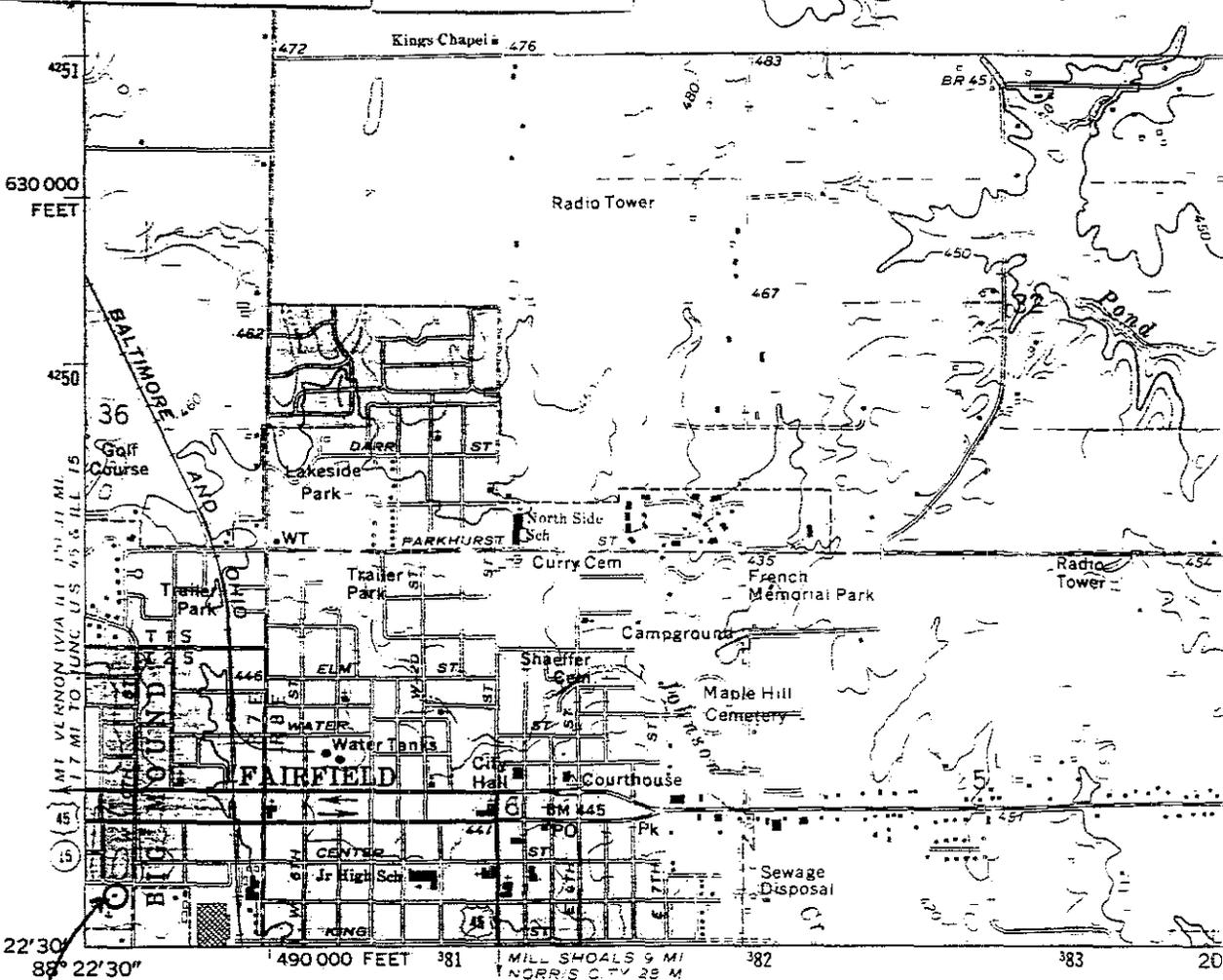
N3822.5-W8815/7.5

1971

AMS 3360 IV NE-SERIES V863



QUADRANGLE LOCATION



(BOYLESTON)
3360 IV SW

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1970 Field checked 1971

Polyconic projection 1927 North American datum
10,000-foot grid based on Illinois coordinate system east zone
1000-meter Universal Transverse Mercator grid ticks zone 16, shown in blue

Red tint indicates area in which only landmark buildings are shown

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs This information is unchecked

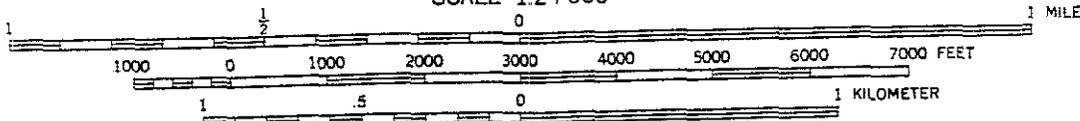
SITE LOCATION

★ MN
GN ↓

$\frac{0^{\circ}49'}{14 \text{ MILS}}$ $\frac{2\frac{1}{2}^{\circ}}{44 \text{ MILS}}$

UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

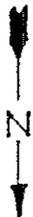
SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

COMMENT RESPONSE

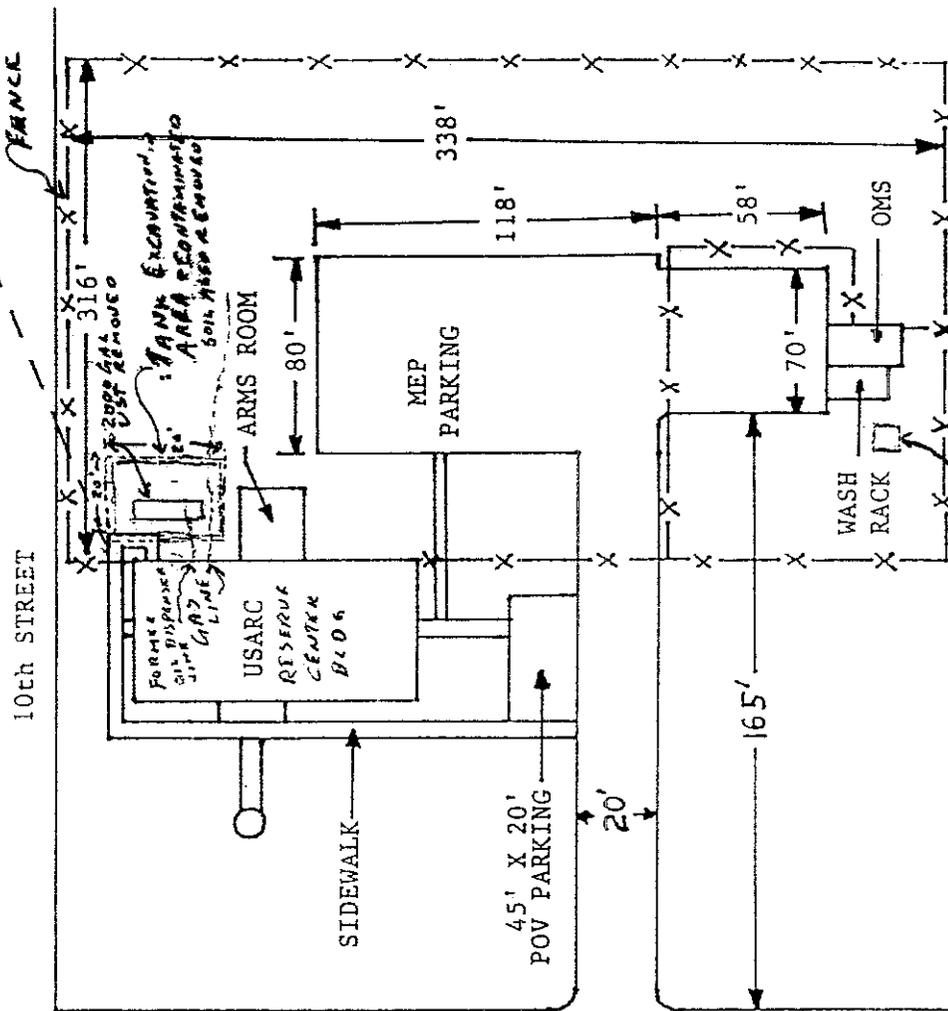
SECTION #2



NOTES:

1. TANK WAS 2000 GAL (EST) AT 5'4" DIA 6'2" LONG (STANDARD)
2. 500 GALLON TANK AREA WAS CLEAN & OF NO CONCERN
3. TANK HAS BEEN CLOSED PREVIOUSLY & FILLED IN PLACE
4. TANK APPEARS TO NOT HAVE BEEN PROPERLY CLEANED PRIOR TO CLOSURE
5. EXCAVATION AREA WAS APPROX 20' X 20' X 13' DEEP
6. NO GROUNDWATER PRESENT AFTER EXCAVATION
7. SAMPLING POINTS SKETCH PROVIDED TO ITRM BY SILENT OF 1ST SAMPLING
8. SOIL BORING SAMPLE SKETCH PROVIDED WITH DRILLED REPORT.
9. DRAWING FROM ARMY RES

L E I N I N G E R R O A D



NOT TO SCALE

DMA ENVIRONMENTAL	
SCALE: NONE	APPROVED BY:
DATE: 4-1-94	D. MONTAGNA, P.E.
DRAWING NUMBER:	
LOCATION SITE MAP	
VALANTON ARMY RESERVE CENTER	

COMMENT RESPONSE

SECTION 3

INFORMATION CONCERNING LOCAL GEOLOGY AND HYDROGEOLOGY

There are no local near subsurface geology or hydrogeology reports available from Illinois Geological or Water Survey for Fairfield local area. One regional publication from Geological Survey is 50 years old and not currently in print or in University of Illinois-Chicago Library.

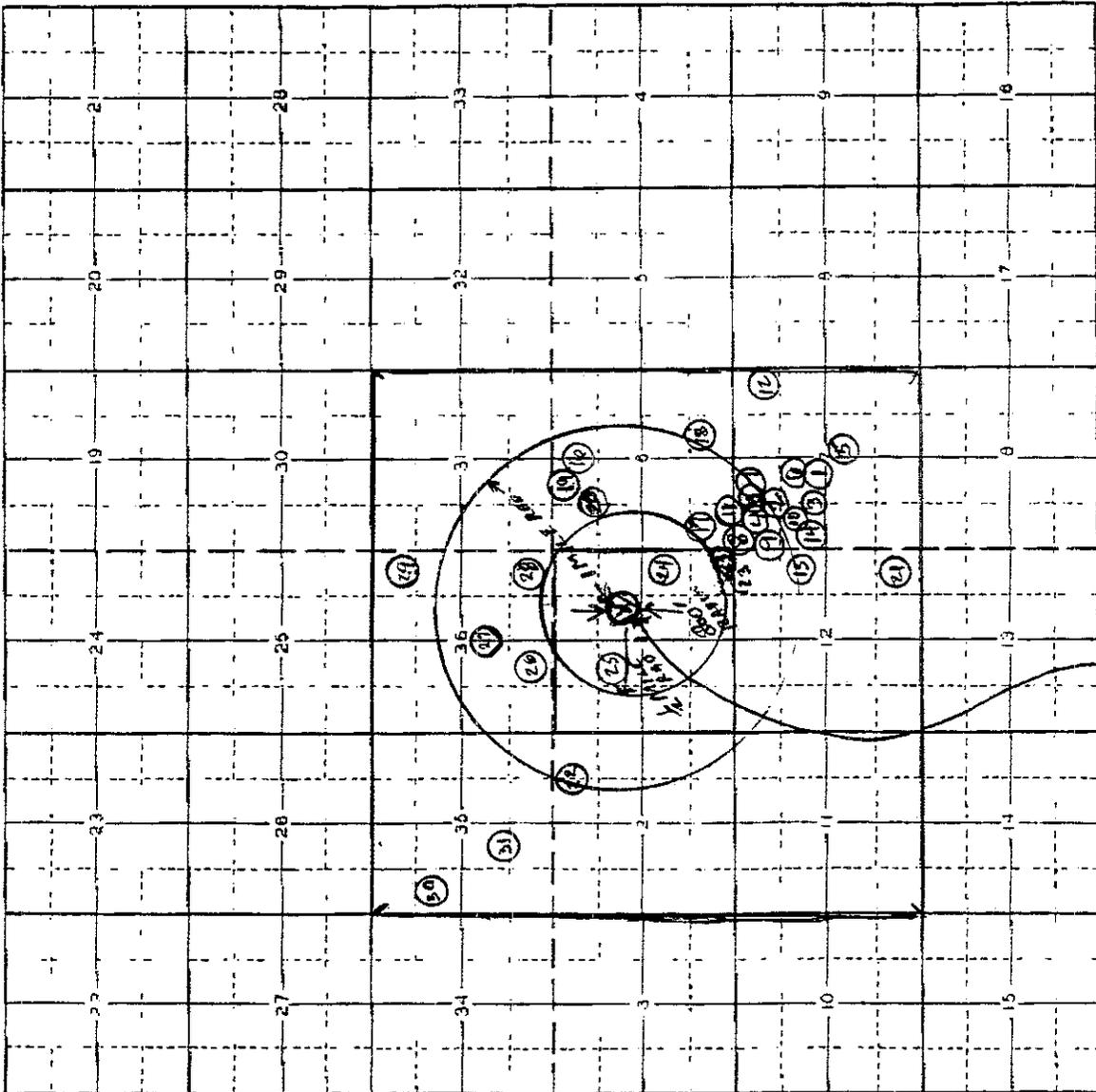
The ISGS Circular 532 - Potential for Contamination of Shallow Aquifers in Illinois indicates the area of concern of Fairfield, Illinois is "Pennsylvanian sedimentary rocks that are warped and tilted, generally dipping toward southeastern Illinois and thickening to 15,000 feet in the center of the Illinois basin. The youngest strata, primarily shale and siltstone with some sandstone and relatively thin beds of limestone and dolomite, cover a large area of Central and Southern Illinois." It appears to be Illinois Age surficial materials of Glasford Formation; glacial till with some sand, gravel and silt. There is approximately a less than 50 foot thickness of Pleistocene Deposits in the area. It appears the site is in the "F" category on the ISGS Map by Berg & Kempton (Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Wastes - 1984). This "F" category is described as "relatively impermeable bedrock within 20 feet of surface, mostly overlain by till or other fine-grained materials." The ISGS Circular 532 - **Plate 1** seems to show the area as "C-3". This "C-3" category is described as permeable bedrock; mostly within 20 to 50 feet of surface, overlain by till or other fine-grained materials; bedrock surface below 50 feet in places. **Plate 2** of the same ISGS Circular 532 shows the area as "D-2". D-2 is described as uniform, relatively impermeable, silty or clayed till at least 20 feet thick; no evidence of interbedded sand and gravel. The ISGS provided the following description of the one mile section of land

immediately east of the section where the site is located - Section 6, Township 2 South, Range 8 East - "Glacial drift in area is thin approximately 10-20 foot with no drift aquifers. At this level a thin sandstone approximately 2-4 foot thick is encountered Under this sandstone layer, a clay layer of approximately 6 foot in thickness is encountered. At approximately 12-24 feet a sandstone layer approximately 14 foot in depth is encountered. From this depth to 150 feet below the surface are layers of clay and shale. Shallow water wells are not productive in the area." The well logs of 31 water wells in the 9 square mile area are really the best source of information. However *the information is suspect because it is mostly old data.* The wells were primarily from the early 1940s when subdivisions of new homes were being built (probably because of the Army Reserve Center activities). In general, they showed a top soil of one foot, then up to 20 feet of yellow clay. Then yellow sandstone, white sandstone, then shale and then slate. The two closest wells (#24 & #25) were both cased to about 20 feet and then screened for 30 feet through the yellow and white sandstones to the shale. The yield over 50 years ago was originally estimated at about 4 gallons per minute. No ground water quality information is readily available on this ground water - past or present. If there was a real past or present threat of contamination from this incident, there might be a need of more study due to the old wells. However, this is not the case. The final 6 borings, as discussed in Drilling Report clearly shows the area clean and in clay - with more clay still protecting subsurface.

WAYNE COUNTY

R 7E

R 8E



NOTES:

1. 31 WATER WELL LOGS IN 9 SECTION AREA (950 AC)
2. FROM ALL GEO. SURVEY FILES
3. LOCATIONS ARE APPROXIMATE
4. CURRENT USE OF WATER UNCERTAIN
5. LOGS ARE ATTACHED & NUMBERED 1-31
6. ONLY WELLS 2 FEET ARE WITHIN 1/2 MILE RADIUS AND THEY ARE ABOUT 1/4 MILE AWAY
7. NO WELLS WITHIN 800'

DMA ENVIRONMENTAL

SCALE: 1" = 1 MI	APPROVED BY: <i>DM</i>	DRAWN BY: <i>DM</i>
DATE: 3-30-97		REVISION:
PLOT OF WATER WELL LOGS		DRAWING NUMBER:

Town Fairfield Township Grover
 Company Orville Musgrave No.
 Farm Young, Chloe No.
 Authority Orville Musgrave, Fairfield
 Elevation
 Collector
 Confidential

Map No
R 8E

T.	2	S
Sec.	7	

deepened
 Date 4/17/41 1941

Town Fairfield Township Grover
 Company Orville Musgrave No.
 Farm Malt, Jerry G. No.
 Authority Orville Musgrave
 Elevation
 Collector
 Confidential

Map No. 19
R. 8E

T.	2S			
Sec.	7			NW

Date Drilled April 1941

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
Co. No. 6877	Lot 33, Molt's Add. to S. Fairfield	14		14	
	Open well	12		26	
	Sandrock, yellow	6		32	
	Sandrock, white				
	Water level 15'				
	Capacity 1 6.P.M.				
①					
NO ENVELOPE ORIGINAL FILED					

COUNTY Wayne
 DRILL RECORD
 INDEX NO. 7-2S-8E

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
Co. No. 6876	Lot 87, Molt's addition, South Fairfield	2		2	
	Soil	11		13	
	Clay, yellow	7		20	
	Sandrock, yellow	5		25	
	Sandrock, white				
	Cased with 5 1/2" to 15'				
	Capacity tested to 2 6.P.M.				
②					
NO ENVELOPE ORIGINAL FILED					

COUNTY Wayne
 DRILL RECORD
 INDEX NO. 1907

Town Fairfield Township Grover
 Company Orville Musgrave No. 19
 Farm McGill, Ralph No. 8E
 Authority Orville Musgrave, Fairfield T. 2
 Elevation Sec. 7
 Collector Date Drilled 1942

Town Fairfield Township Grover
 Company C. W. Musgrave No. 19
 Farm McCleary, John No. 8E
 Authority Orville Musgrave T. 2S
 Elevation Sec. 7
 Collector Date Drilled MAY 1940

No.	Strata	Thickness		Depth		No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.			Feet	In.	Feet	In.
Co. 6895	N. 1/2 Lot 53, Rinar's 3rd Add., S. Fairfield	2				Co. 6894	Lot 149 in Jerry G. Molt's 4th Subd. of 1/4 sec.	1		1	
	Soil	9		2			Top soil	4	6	5	6
	Clay, yellow	12		11			Clay, yellow	16	6	22	
	Sandrock, yellow	9		23			Sandrock, yellow	3		25	
	Sandrock, white			32			Sandrock				
	Water level 16'						Cased with 6" to 6'				
	Capacity 1 G.P.M.						Water level from surface 12'				
	6" casing to 11'						Capacity tested to 1 b.p.m.				
	NO ENVELOPE ORIGINAL FILED						(4)				
	NO ENVELOPE ORIGINAL FILED										

OFFICE BUILDING, SPRINGFIELD,
SURVEYS SECTION. BE SURE TO

GEOLOGICAL WATER SURVEYS WATER WELL RECORD
Completed 4-10-68

10 Dept. Mines and Minerals permit No. 4528 Year 1968
 11 Property owner: Bill McCally Well No. 1
 Address: 522 S. W. Fairfield
 Driller: Ronald Buckert License No. 92-211
 12. Water from SANDSTONE 13. County WAYNE
 at depth 105 to 138 ft. Sec. 7
 14 Screen: Diam. 2 1/2 in. Twp. 2 S
 Length: 8 1/2 ft. Slot 1/8 in. Rtg. 8 E
 Elev. _____

15. Casing and Liner Pipe

Diam. (in.)	Kind and weight	From (Pt.)	To (Pt.)
7	2 3/4" pipe	0	64

SHOW LOCATION IN SECTION PLAT 1560' SL, 216' WL of SE (permit)

16 Size Hole below casing 6 1/2 in
 17 Static level 44 ft below casing top which is 1 ft above ground level. Pumping level _____ ft. when pumping at _____ gpm for _____ hours. PRODUCED 6 GPM AFTER DRAWOFF

FORMATION'S PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
TOP SAND CLAY	5	5
YELLOW SANDSTONE	14	19
GRAY SHALE	23	42
STRIP Limestones SHALE	8	50
SANDY SHALE	50	100
SANDSTONE LIGHT	38	138
GRAY SHALE	2	140

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

Tracing done by Dept. of Pub. Health

SIGNED Ronald Buckert DATE April 17-68

(5)

Town Fairfield Township Grover Map No. R. 8 E
 Company Orville Musgrave No. _____
 Farm Lee, Edmond No. _____
 Authority Crville Musgrave, Fairfield T. 2 S
 Elevation _____ Sec. 7
 Collector _____ Date Drilled 1941
 Confidential _____

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
20	20' No. 6893				
	Lot 122, Molt's 3rd Subd., S. Fairfield				
	Soil	1		1	
	Clay, yellow	7		8	
	Sandrock, yellow	13		21	
	Shale, blue	6		27	
	Water level 4'				
	Capacity 4 g.p.m.				
	6' casing to 5'				
	(16)				
	NO ENVELOPE				
	ORIGINAL FILED				

COUNTY WAYNE INDEX NO. _____

Town Fairfield Township Grover Map No. R. SE
 Company Crville Musgrave No. 2
 Farm Wieth, C. E. No. 5
 Authority Crville Musgrave, Fairfield
 Elevation _____
 Collector _____ Date Drilled 1942

Sec. 7			

Confidential _____

No.	Co. No. <u>6892</u> Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	<u>5 1/2 Acres at S. edge of Fairfield</u>				
	Soil				
	Clay, yellow	2		2	
	Sandrock, yellow	10		12	
	Block, hard, white	8		22	
	Sandrock, yellow	6		30	
	sandrock, white	12		36	
	Shale, blue	18		48	
	Water level 22'			66	
	Capacity approximately 6 G.P.M.				
	5" casing to 16'				
	<u>NO ENVELOPE FILED</u>				

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Indobent Oil Well Co. Well No. #1
 Address P.O. Box #40 Highway 45 S., Fairfield IL
 Driller Puckett, Arnold License No. 102-0973

11. Permit No. 117662 Date 05/23/85

12. Water from sandstone 13. County Wayne

at depth 84 to 130 ft. Sec. 7

14. Screen diam in. Top. 2 5

Length ft. Slot in. Rpe. 8 E

Elev. _____

15. Casing and L.ner Pipe 120' S 360' E NRC ME

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
5	PVC SDR 21	0	75

16. Size hole be on casing: 5 in.

17. Static level 19 ft. below casing top which is 1 ft. above ground level. Pumping level 34 ft. when pumping at 12 gpm for _____ hours.

Formations passed through	Thickness	Bottom
SS #65D93(0'-130')	0	0
top soil & yl clay	18	18
blue sandstone	18	36
sandy shale	9	45
blue sandstone	4	49
gray shale	4	53
sandy gray shale	14	57
blue sandstone	17	74
light sandstone	46	120

8

TOWN Fairfield TOWNSHIP Grover
 COMPANY Musgrave, Orville NO. NO.
 FARM Ellis, Paul
 AUTHORITY Orville Musgrave
 ELEVATION
 COLLECTOR
 CONFIDENTIAL DATE DRILLED 1939
 125' N. line, 100' W. line of SE NW

TOWN Fairfield Township Grover
 COMPANY Orville Musgrave No. No.
 FARM Gilbert, David
 AUTHORITY Orville Musgrave
 ELEVATION
 COLLECTOR
 CONFIDENTIAL DATE DRILLED March 1941

MAP NO. 19 R. 8E SEC. 7

MAP NO. 19 R. 8E SEC. 7

NO.	STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
1	Soil	2		2	
2	Clay, yellow	7		9	
3	Sand rock, yellow	5		14	
4	Rock, hard, white	8		22	
5	Sandrock, yellow	11		33	
6" casing to 10' Water level 13' from surface Capacity tested to 2 g.p.m.					
(10)					
NO ENVELOPE ORIGINAL FILED					

NO.	STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
1	Soil	1		1	
2	Clay, yellow	8		9	
3	Sandrock, yellow	21		30	
4	Sandrock, white	7		37	
Cased with 6" to 10' Water level from surface 17' Capacity tested to 2 1/2 g.p.m.					
(9)					
NO ENVELOPE ORIGINAL FILED					

DIVISION OF
SUMMER HEALTH PROTECTION, 535 WEST
ST. DO NOT DETACH GEOLOGICAL/WATER
PROPERTY LOCATION

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner LARRY BURNING Completed 12-17-76
Well No. 1

Address RR#7 FAIRFIELD, IA 62837
Driller DAENL WILSON License No. 102-116

Permit No. 54832 Date 11-17-1976
Water from SANDSTONE 13. County WYVAYNE

at depth 115 to 132 ft.
Screen: Diam. 2-5 in.
Length: 8-E ft. Slot

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Pt.)	To (Pt.)	SHOW LOCATION IN SECTION PLAT
6-8	STEEL CASING	2 FT. 1	3.3	250' NW 600' NW NW NW (permit)
		ABOVE		
		SURFACE		

16. Size Hole below casing: 6 in.

17. Static level 32 ft. below casing top which is 2 FT 7 1/2 ft. above ground level. Pumping level 122 ft. when pumping at 340 gpm for 1 hours.

FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
YELLOW CLAY	35	25
BLUE CLAY	4	29
SANDY SHALE	86	115
SANDSTONE	17	132
LIMESTONE	1	133
(11)		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Olen Tolson DATE 12-17-1976

5, 78911

DIVISION OF
SUMMER HEALTH PROTECTION, 535 WEST
ST. DO NOT DETACH GEOLOGICAL/WATER
PROPERTY LOCATION

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner JIM BROWN Completed 6-15-78
Well No. 1

Address RR#2 FAIRFIELD, IA
Driller DAENL WILSON License No. 102-116

Permit No. 75332 Date 6-13-1978
Water from SANDSTONE 13. County WYVAYNE

at depth 93 to 146 ft.
Screen: Diam. 2-5 in.
Length: 8-E ft. Slot

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Pt.)	To (Pt.)	SHOW LOCATION IN SECTION PLAT
6-8	STEEL CASING	1 FOOT	3.7	990' NW 225' EL NE PERMIT
		280' W. W. A. L.		
		19-1/2 S.		
		SURFACE		

16. Size Hole below casing: in.

17. Static level ft. below casing top which is ft. above ground level. Pumping level ft. when pumping at gpm for hours.

FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
YELLOW CLAY	19	19
YELLOW SANDSTONE	10	29
SANDY SHALE	60	89
SANDSTONE	42	131
SHALE	2	133
(12)		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Olen Tolson DATE 6-16-1978

5, 78911

Town **Fairfield** Township **Grover** Map No. **19**
 Company **Orville W. Musgrave** No. **8R**
 Farm **Baushard, Thomas** No. **2S**
 Authority **Orville Musgrave** No. **7**
 Elevation _____
 Collector _____
 Confidential _____ Date Drilled **1941**

Town **Fairfield** Township **Grover** Map No. **8E**
 Company **Orville Musgrave** No. **8E**
 Farm **Antrim, Sylvester** No. **7**
 Authority **Orville Musgrave, Fairfield** No. **7**
 Elevation _____
 Collector _____
 Confidential _____ Date Drilled **1941**

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
1	Lot 144, Molt's Add. to S. Fairfield Soil: Clay, yellow Sandrock, yellow Red rock Rock, hard, white Cased with 6" heavy steel to 11' Water level from surface 17' Capacity approximately 2 g.p.m.	1		1	
10		10		11	
18		18		29	
2		2		31	
6		6		31	6
ORIGINAL FILED NO ENVELOPE					

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
2	Lot 7, Jerry G. Molt's Add. Soil: Clay, yellow Shale, blue Sandrock, white Water level 20' Capacity $\frac{1}{2}$ g.p.m. 5" casing to 21'	2		2	
19		19		21	
20		20		41	
11		11		52	
ORIGINAL FILED NO ENVELOPE					

COUNTY **Wayne** INDEX NO. **1907**
 DRILL RECORD
 (12850-2031) ILLINOIS GEOLOGICAL SURVEY, URBANA **7-23-87**

COUNTY **Wayne** INDEX NO. **7-25-8E**
 DRILL RECORD
 (12850-2031) ILLINOIS GEOLOGICAL SURVEY, URBANA **(12-1)**

Town Fairfield Township Grover
 Company Crville Musgrave No. R. 8E
 Farm Antrim, Rosa No. T. 2
 Authority Crville Musgrave, Fairfield 3
 Elevation 5
 Collector
 Confidential Date Drilled 1961

Town Fairfield Township Grover
 Company Crville Musgrave No. R. 8E
 Farm Withrow, Ada No. T. 2
 Authority Crville Musgrave 5
 Elevation
 Collector
 Confidential DATE DRILLED Feb. 1940

Lot 58 in Malt's Addition

No.	Strata	Thickness		Depth		No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.			Feet	In.	Feet	In.
1	Lot 58, Molt's Subd., S. Fairfield										
2	Soil	2		2			Soil	2		2	
3	Clay, yellow	10		12			Clay, yellow	10		12	
4	Sandrock, yellow	7		19			Sand rock, yellow	13		25	
5	Rock, hard, white	6		25			Sand rock, white	8		33	
6	Sandrock, yellow	6		31			6" casing to 12'				
7	Sandrock, white	7		38			Water level 13' from surface				
	Water level 14'						Capacity tested to about 2 G.P.M.				
	Capacity 3 G.P.M.										
	7" casing to 12'										
	NO ENVELOPE										
	ORIGINAL FILED										
	NO ENVELOPE										
	ORIGINAL FILED										

COUNTY WAYNE INDEX NO. 7-2S-8E
 DRILL RECORD (12-41)
 COUNTY WAYNE INDEX NO. 1906
 DRILL RECORD (1872-1873-1874)
 ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41) ILLINOIS GEOLOGICAL SURVEY URBANA 6-2S-8E

Town **Fairfield** Township **Grover** Map No. **19**
 Company **Orville Musgrave** No. **R. 8E**
 Farm **Turner, E. J.** No. **2 S**
 Authority **Orville Musgrave** No. **6 SW SW**
 Elevation
 Collector
 Confidential
 Date Drilled **1939**
 CH Lot **125**

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
1	Soil	2		2	
2	Clay, yellow	18		20	
3	Sandstone, yellow	8		28	
4	Sandstone, white	7		35	
6" casing to 20' Water level 15' from surface Capacity tested to 2 g.p.m.					
SS# 4038					
NO ENVELOPE ORIGINAL FILED					

Town **Fairfield** Township **Grover** Map No. **R. 8E**
 Company **Orville Musgrave** No. **R. 8E**
 Farm **Owen, Luther** No. **2 S**
 Authority **Orville Musgrave, Fairfield** No. **6**
 Elevation
 Collector
 Confidential
 Date Drilled **1942**

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
1	Clay, yellow	1	6	1	6
2	Sandrock, yellow	10	6	12	
3	Sandrock, white	8		20	
4	Water level 10' Capacity 4 g.p.m.	7		27	
6" casing to 12'					
NO ENVELOPE ORIGINAL FILED					

John C. Moore Corporation, Rochester, N. Y. 3 miller and holes in leaves patented. I.C.S.M. 425809



TOWN Fairfield TOWNSHIP Grover
 COMPANY Orville Musgrave NO. 19
 FARM Green, Herbert T. 2
 AUTHORITY Orville Musgrave S
 ELEVATION

COLLECTOR

CONFIDENTIAL

DATE DRILLED 1939

Lot 57, Molt's Addition

MAP NO. 19
 R. 8E

SEC. 6
 T. 2
 S. 5

FOOTING
 OF H.W.

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented I.C.M. 25614



(71584-1M-6-22)

TOWN Fairfield TOWNSHIP
 COMPANY J.J. Dardard, Prest. O. & M.R.R. 83
 FARM Public Well
 AUTHORITY J. J. Keith contractor
 ELEVATION 2 S
 COLLECTOR DATE DRILLED Feb. 1888

No.	STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
10.	Co. 6863 Open well Sand rock, yellow Sand rock, white 6" casing to 14' Water level 14' from surface Capacity tested to 13 g.p.m.	13		13	
		10		23	
		9		32	
		16		16	
		150		166	
		8		174	
		30	6	204	
		1		205	
		50		255	
		1		256	
		181		377	
		30		407'	
		1		408	
		23	6	432	

20

19

SS# 4139

NO ENVELOPE ORIGINAL FILED

QUESTED AND MAIL ORIGINAL IN STATE DE-
 STATE OFFICE BUILDING SPRINGFIELD,
 AL / WATER SURVEYS SECTION BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Lewis E. Keith
 10. Property owner Lewis E. Keith Completed 8-6-70

Address Itanfield Rd

Driller Edgar F. Wilcox License No. 227146

Permit No. 10265 Date 8-6-1970

12. Water from Sandstone 13. County Wayne

at depth to ft.

14. Screen: Diam. 2.5 in.

Length: ft Slot

Elev.

15 Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5.00	Black 16 LB	14	58
		above	
		surface	

16 Size Hole below casing: 5 in.

17 Static level 18 ft below casing top which is 4 ft above surface ft above ground level. Pumping level ft when pumping at gpm for hours

18. FORMATIONS PASSED THROUGH

FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Yellow clay	10	10
Yellow sandstone	45	55
Sandy shale	17	72
Sandstone	18	90
Sandy lime	2	92
Shale	10	102

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Edgar F. Wilcox DATE 8-6-1970

COUNTY NO. 7983

Town Fairfield Township Big Mound

Company Orville Musgrave No.

Farr Shaw, Laura No.

Authority Orville Musgrave T. 2S

Elevation

Coile:tor

Confidential Date Drilled Sept. 1940

Map No. 13

R. 7E

T.

Sec. 2

NE

No. Co. 206643
 Strata
 Soil
 Clay, yellow
 Soale, blue
 Limerock, hard
 Soale, blue
 Thickness
 Feet
 2
 19
 44
 1
 19
 Depth
 Feet
 2
 21
 65
 66
 85

Cased with 6" to 22"
 Very little water, about 15 g.p. day

(22)

NO ENVELOPE

ORIGINAL FILED

COUNTY Wayne INDEX NO. 1809

Pool

3-30-94 10 51 AM

Town Fairfield Township Big Mound MAP No. 18
 Company Orville Musgrave No. R 7E
 Farm Monroe, John No. T. 2 S
 Authority Orville Musgrave
 Elevation
 Collector
 Confidential
 Date Drilled MAY 1941
 Lot 39, west edge of Fairfield

Town Fairfield Township Big Mound MAP No. 18
 Company Orville Musgrave No. R 7E
 Farm Keyse, George No. T. 2 S
 Authority Orville Musgrave
 Elevation
 Collector
 Confidential
 Date Drilled Oct. 1939
 Lot 51 in West Fairfield

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
2	Soil	2		2	
14	Clay, yellow	14		16	
24	Sand rock, yellow	24		40	
10	Sand rock, white	10		50	
	6" casing to 18'				
	Water level 23' from surface				
	Capacity tested to 4 g.p.m.				
	(24)				
	NO ENVELOPE				
	ORIGINAL FILED				

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
2	Soil	2		2	
17	Clay, yellow	17		19	
21	Sandrock, yellow	21		40	
10	Sandrock, white	10		50	
10	Limerock, hard	10		50	
	Cased with 6" to 19'				
	Water level from surface 24'				
	Capacity 2 g.p.m.				
	(23)				

COUNTY Wayne INDEX NO. 1801
 DRILL RECORD 1-25-7E
 ILLINOIS GEOLOGICAL SURVEY URBANA

COUNTY Wayne INDEX NO. 1801
 DRILL RECORD 1-25-7E
 ILLINOIS GEOLOGICAL SURVEY URBANA

Town **Fairfield** Township **Big Mound** Map No. **18**
 Company **Orville Musgrave** No. **R. 7E**
 Farm **Berger, F. E.** T. **2** S. **2**
 Authority **Orville Musgrave**

Elevation _____
 Collector _____
 Confidential _____
 Date Drilled **June 1941**
 No. **100' N. line, 100' E. line of SE NW**

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
1	Soil	2		2	
	Clay, yellow	19		21	
	Sandrock, yellow	9		30	
	Limerock, hard	5		35	
	Rock, white	9		44	
	Shale, blue	22		66	

Cased with 6" to 21"
 Water level from surface 14'
 Capacity 5 g.p.m.

(25)

NO ENVELOPE FILED

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner **Vaughn, Luke** Well No. **#1**
 Address **P.R. #2 Fairfield II**
 Driller **Bucket, Arnold** License No. **102-D973**
 11. Permit No. **125151** Date **07-09-86**
 12. Water from **sandstone** 13. County **Wayne**
 at depth **72** to **78** ft. Sec. **36**
 14. Screen: Diam. **1** in. Imp. **1 S**
 Length: **7** ft. Slot Rge. **7 E**
 Elev. _____

15. Casing and Liner Pipe **525' W 640' W SEC SW**

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
6	PVC SDR 21	0	-0

16. Size hole below casing: **6.5** in.
 17. Static level **18** f. below casing top which is **1** ft.
 above ground level. Pumping level **2** ft. when pumping at **2**
 gpm for _____ hours

Formations passed through	Thickness	Bottom
top soil & ylw clay	23	23
sandy gray shale	39	62
hard sandstone	2	64
sandy shale	8	72
sandstone	6	78
strip rock & shale	9	87
sandstone	4	91
gray shale	9	100

(26)

Town **Fairfield** Township **Lemard**
 Company **Orville Musgrave** No. **1S**
 Farm **Porter, Chas.** No. **1S**
 Authority **Orville Musgrave**
 Elevation
 Collector
 Confidential Date Drilled **July, 1943**

R. **7E**
 Sec. **36**

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	<i>C.F. Hill</i>				
	Lot 4, North Fairfield				
	Soil	2		2	
	Clay, yellow	15		17	
	Rock, yellow	15		32	
	Rock, white	9		41	
	Cased with 6" galv. to 17'. Water level 10' from surface. Capacity tested to 3 g.p.m.				

(27)

NO ENVELOPE ORIGINAL FILED

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner **McKeele, Jerry** Well No. **#1**
 Address **Kincaid Cr., Fairfield IL**
 Driller **Wilson, Beheal O.** License No. **102-2169**
 Permit No. **105304** Date **08/25/83**
 11. Water from **sandstone** 13, County **Wayne**
 at depth **40** to **80** ft. Sec. **36**
 14. Screen: Diam. **1** in. Tap. **1 S**
 Length: **7** ft. Slot Elev. **7 E**

15. Casing and liner pipe **800' N 1060' W SEC**

Diam. (in.)	Kind and Weight	From (ft)	To (ft)
6	SCH 4" PVC	-1	40

16. Size hole below casing: **5.62** in
 17. Static level **28** ft. below casing top which is **1** ft. above ground level. Pumping level **75** ft. when pumping at **?** gpm for **?** hours.

Formations passed through	Thickness	Bottom
yellow clay	20	20
soft sandstone	20	40
sandstone	35	75
shale	5	80

(28)

LOWER HEALTH PROTECTION, 555 WEST
1 DO NOT DETACH GEOLOGICAL WATER
PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD
Completed 10-28-77

10 Property owner DANNY CRAW Well No. 1
Address RR #2 FAIRFIELD, IL 62827
Driller DEEM WILSON License No. 102-116
11 Permit No. 68416 Date 10-21-1977
12 Water from SLATE 13. County WAYNE

at depth 60 to 62 ft. Sec. 36
14 Screen: Diam. 1-3 in. Twp. 1-3
Length: 4-E ft. Slot. Rye. 4-E
Elev. _____

15 Casing and Liner Pipe

Dim. (in.)	Kind and Weight	From (ft.)	To (ft.)	SHOW LOCATION IN SECTION PLAT
6" Gal	STEEL CASING	1 FOOT	27	785' N.L., 200' EL
	280-WALL	ABOVE		NE PERMIT
	19 1/2 LBS	SURFACE		

15. Size hole below casing: 6 in.
17. Static level 2 ft. below casing top which is 162 ft. above ground level. Pumping level 102 ft. when pumping at 300 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH

FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
YELLOW CLAY	20	20
YELLOW SANDSTONE	8	28
DARK SHALE	32	60
SLATE	2	62
SHALE SANDY	50	112
(29)		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)
SIGNED John L. Johnson DATE 10-28-1977

WATER SURVEYS SECTION BE SURE U

SE 28 1967

GEOLOGICAL WATER SURVEYS WELL RECORD
ILLINOIS DEPT. OF PUBLIC HEALTH

10. Dept. Mines and Minerals permit No. 3349 Year 1967
11. Property owner ROBERT MERRITT Well No. 1
Address R.R. FAIRFIELD
Driller: ARNOLD PLEKETT License No. 92-211
12. Water from SANDY SHALE 13. County WAYNE

at depth 190 to 200 f. Sec. 35
14. Screen: Diam. _____ in. Twp. 15
Length: _____ ft. Slot. Rye. 2E
Elev. _____

15. Casing and Liner Pipe

Dim. (in.)	Kind and Weight	From (ft.)	To (ft.)	SHOW LOCATION IN SECTION PLAT
	NONE			930' N.L., 300'

15. Size hole below casing: _____ in.
17. Static level _____ ft. below casing top which is _____ ft. above ground level. Pumping level _____ ft. when pumping at _____ gpm for _____ hours. PRODUCED APPROX. 5 GAL. A MIN.

18. FORMATIONS PASSED THROUGH

FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
YELLOW CLAY	26	26
BLUE CLAY	31	65
GRAY SHALE	47	112
SANDY SHALE	88	200
GRAY SHALE	10	210
WELL ABANDONED AND PLUGGED		
INSUFFICIENT AMOUNT OF WATER		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)
SIGNED Arnold Plekett DATE Sept 19-67
COUNTY NO. 7722

ILLINOIS
STATE
GEOLOGICAL
SURVEY

You are currently receiving a fax message from:

NAME: Anne Faber /GRU

TELEPHONE: 217-333-5109

DATE: 3-30-94

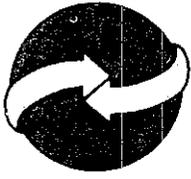
TOTAL NUMBER OF PAGES WITH COVER: 17

PLEASE DELIVER TO: Dale Montgomery
DMA Environmental
575 W Madison, Ste. 2201
Chicago IL 60661

COMMENT: No water wells in our files for
31-15-8E, 11-25-7E.

COMMENT RESPONSE

SECTION #4



ENVIRONMENTAL MANAGEMENT, INC.

March 17, 1994

Mr. Peter Gallati, Project Manager
Select Remediation, Inc.
3300 East 83rd Place
Merrillville, IN 46410

Re: Tank Closure
Walton Army Reserve Center
Fairfield, Illinois
P.O. No. CR 1175; 3/9/94

Dear Mr. Gallati:

Enclosed please find the results of the most recent field work at the above referenced site. The field work was conducted at the site on Thursday, March 10, 1994, and the analytical testing of the soil samples was conducted on Monday, March 14, 1994.

The field work consisted of six (6) soil borings in the area of the underground storage tank excavation. After you identified the outline of the excavation area, I directed the drillers to advance the hollow stem augers into the soils surrounding the excavation with two boring locations intended to continue through the backfill material for the purpose of sampling the soils surrounding and beneath the previous storage tank.

Decontamination of drilling and soil-sampling equipment is a quality-control measure that is required during a soil-sampling program. Our standard decon procedure includes neutralizing, washing and rinsing all equipment that comes in contact with soil material or ground water that is suspected of being contaminated. For this sampling project, the drilling equipment including the split spoon samplers were cleaned with tri-sodium phosphate (TSP) soap and high-pressure steam cleaned and rinsed at the Springfield office and facilities of AE Exploration Corporation. In addition, decontamination efforts at the project site consisted of high-pressure steam cleaning of all equipment and tools between samples and borings. The decontamination efforts employed for this sampling program worked well to provide the laboratory with high quality soil samples for analysis.

The soil borings indicated that we did indeed drill around the perimeter of the excavation and through the backfill. I observed the drill cuttings during the drilling and made note of the white rock backfill in four of the borings. The two borings which did encounter the entire thickness of the backfill (B-3 and B-4) were advanced through the backfill, and the sample interval was immediately beneath the backfill at approximately 15 feet below ground surface. The two other borings (B-1 and B-5) which encountered white rock backfill for only the upper portion of total depth were sampled at the depth of approximately 10 feet below ground surface. The remaining

—Engineering and Regulatory Compliance Specialists—



1330 South Fifth Street • Springfield, IL 62703
Phone: (217) 525-4100 • Fax: (217) 525-4136

Mr. Peter Gallati
March 17, 1994
Page 2 of 2

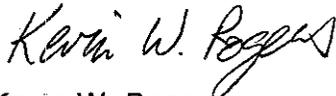
two borings (B-2 and B-4) encountered only native soils and were also sampled at approximately 10 feet below ground surface. Attachment 1 (Figure 1) includes a sketch of the boring and sampling locations. The field boring logs showing the described boring details are included in Attachment 2.

The samples were collected from the split spoon samplers using a clean stainless steel spoon and the sample jars provided by Prairie Analytical Systems, Inc. The samples were logged and labeled at the site and transported to the laboratory using the chain of custody form in Attachment 3. The laboratory was requested to test for **Polynuclear Aromatic Hydrocarbons (PNAs)** using **EPA Method 8270** and to rush the analysis for a quick turn-around of the results. The lab provided the attached report of findings on Tuesday March 15, 1994. As the results show, all samples were analyzed for PNAs and none were found at or above the detection limits using EPA Method 8270.

It has been a pleasure to work with you on this project. If EMI can assist Select in any way with future projects, please do not hesitate to call me.

Very truly yours,

ENVIRONMENTAL MANAGEMENT, INC.



Kevin W. Rogers
President

KWR:hk

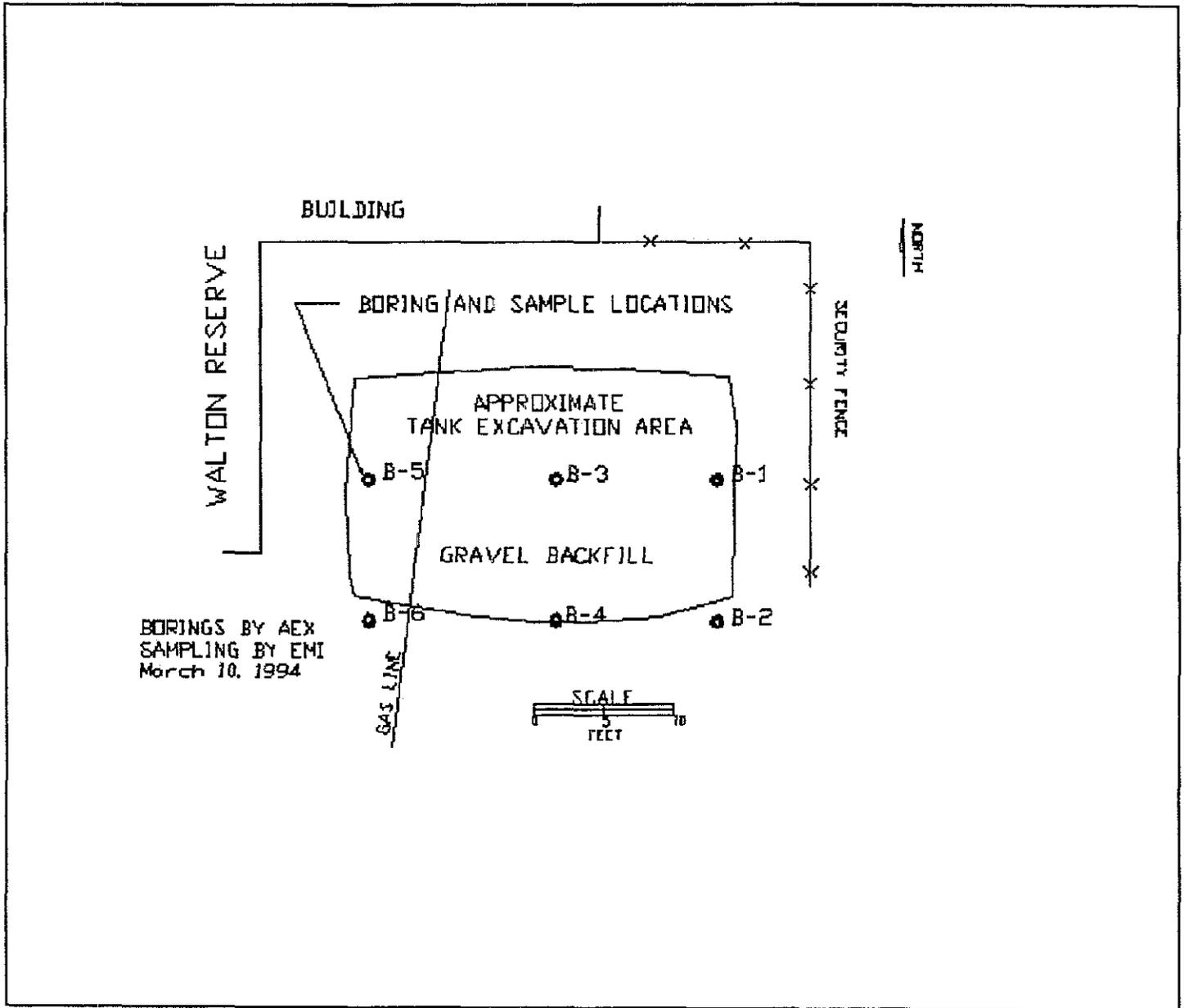
Enclosures



ATTACHMENT 1:

**FIGURE 1:
SAMPLING LOCATIONS AT TANK EXCAVATION AREA
WALTON ARMY RESERVE CENTER
FAIRFIELD, ILLINOIS**

**FIGURE 1:
SAMPLING LOCATIONS AT TANK EXCAVATION AREA
WALTON ARMY RESERVE CENTER
FAIRFIELD, ILLINOIS**



ATTACHMENT 2:

EMI BORING LOGS

ENVIRONMENTAL MANAGEMENT, INC.

Boring Log

1330 South Fifth Street, Springfield, IL 62703 (217) 525-4100

Site File No.: #94-003	Boring No.: B1	Monitoring Well No.: N/A
Site File Name: Walton Army Reserve Center	Surface Elevation:	Completion Depth: 10.9'
Fed. ID No.:	Auger Depth: 10.9'	Rotary Depth: N/A
County: Wayne	Start Date: 3/10/94	Finish Date: 3/10/94

Quadrangle: Section: Township: Range: Fairfield Section 1, Township 2S, Range 7E	Sample			Personnel
Boring Location: Underground Storage Tank (UST) excavation near building	Type & Number	Recovery	N Values/Blows	Geologist: Kevin Rogers
Drilling Equipment: CME 75, HSA, Split Spoon				Drilling Contractor: AE Exploration Corp.
				Driller: Kerry Doetzel
				Helpers: Kim Pagliai

Elev	Description	Depth (ft)	Type & Number	Recovery	N Values/Blows	Comments
	Blind drilling using fishtail bit	1				No noticeable odor
	Cuttings indicate white rock (CA-6) backfill in upper portion and native soils in lower portion	2				No visible indication of contamination B1-S1 collected for analysis Borehole sealed with 1 bag granular bentonite and cuttings mixture
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		Tan-brown, moist, silty CLAY	10	B1-S1	1.6	
	END OF BORING: 10.9'	11				
		12				
		13				
		14				
		15				
		16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				

ENVIRONMENTAL MANAGEMENT, INC.
 1330 South Fifth Street, Springfield, IL 62703 (217) 525-4100

**Boring
 Log**

Site File No.: #94-003	Boring No.: B2	Monitoring Well No.: N/A
Site File Name: Walton Army Reserve Center	Surface Elevation:	Completion Depth: 10.7'
Fed. ID No.:	Auger Depth: 10.7'	Rotary Depth: N/A
County: Wayne	Start Date: 3/10/94	Finish Date: 3/10/94

Quadrangle: Section: Township: Range: Fairfield Section 1, Township 2S, Range 7E	Sample			Personnel
Boring Location: Underground Storage Tank (UST) excavation near building	Type & Number	Recovery	N Values/Blows	Geologist: Kevin Rogers
Drilling Equipment: CME 75, HSA, Split Spoon				Drilling Contractor: AE Exploration Corp.
				Driller: Kerry Doetzel
				Helpers: Kim Pagliai

Elev	Description	Depth (ft)	Type & Number	Recovery	N Values/Blows	Comments
	Blind drilling using fishtail bit	1				No noticeable odor
	Cuttings indicate native soils throughout boring depth	2				No visible indication of contamination B2-S1 collected for analysis Borehole filled with 1 bag granular bentonite and cuttings mixture
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		Tan-brown, moist, silty CLAY	10	B2-S1	1.4	
	END OF BORING: 10.7'	11				
		12				
		13				
		14				
		15				
		16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				
		26				

ENVIRONMENTAL MANAGEMENT, INC.

Boring Log

1330 South Fifth Street, Springfield, IL 62703 (217) 525-4100

Site File No.: #94-003	Boring No.: B3	Monitoring Well No.: N/A
Site File Name: Walton Army Reserve Center	Surface Elevation:	Completion Depth: 15.6'
Fed. ID No.:	Auger Depth: 15.6'	Rotary Depth: N/A
County: Wayne	Start Date: 3/10/94	Finish Date: 3/10/94

Quadrangle: Section: Township: Range: Fairfield Section 1, Township 2S, Range 7E	Sample	Personnel	
Boring Location: Underground Storage Tank (UST) excavation near building	Type & Number	Recovery	
Drilling Equipment: CME 75, HSA, Split Spoon			N Values/Blows

Elev	Description	Depth (ft)	Type & Number	Recovery	N Values/Blows	Comments
	Blind drilling using fishtail bit	1				No noticeable odor
	Cuttings indicate white rock (CA-6) backfill throughout boring	2				No visible indication of contamination
		3				B3-S1 collected for analysis
		4				
		5				
		6				
		7				
		8				
		9				
		10				
		11				
		12				
		13				
		Bottom of excavation	14			
	Tan-brown, firm, moist, silty, CLAY	15	B3-S1	1.8	13, 39, 75	
	END OF BORING: 15.6'	16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				

ENVIRONMENTAL MANAGEMENT, INC.

Boring Log

1330 South Fifth Street, Springfield, IL 62703 (217) 525-4100

Site File No.: #94-003	Boring No.: B4	Monitoring Well No.: N/A
Site File Name: Walton Army Reserve Center	Surface Elevation: 15.7'	Completion Depth: 15.7'
Fed. ID No.:	Auger Depth: 15.7'	Rotary Depth: N/A
County: Wayne	Start Date: 3/10/94	Finish Date: 3/10/94

Quadrangle: Section: Township: Range: Fairfield Section 1, Township 2S, Range 7E	Sample			Personnel
Boring Location: Underground Storage Tank (UST) excavation near building	Type & Number	Recovery	N Values/Blows	Geologist: Kevin Rogers
Drilling Equipment: CME 75, HSA, Split Spoon				Drilling Contractor: AE Exploration Corp.
				Driller: Kerry Doetzel
				Helpers: Kim Pagliai

Elev	Description	Depth (ft)	Type & Number	Recovery	N Values/Blows	Comments
	Blind drilling using fishtail bit	1				No noticeable odor
	Cuttings indicate white rock (CA-6) backfill	2				No visible indication of contamination B4-S1 collected for analysis Borehole sealed with 1 bag granular bentonite and cuttings mixture
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		10				
		11				
		12				
		13				
		14				
		Tan-brown, moist, silty CLAY	15	B4-S1	1.6	
	END OF BORING: 15.7'	16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				

ENVIRONMENTAL MANAGEMENT, INC.

Boring Log

1330 South Fifth Street, Springfield, IL 62703 (217) 525-4100

Site File No.: #94-003	Boring No.: B5	Monitoring Well No.: N/A
Site File Name: Walton Army Reserve Center	Surface Elevation:	Completion Depth: 13.2'
Fed. ID No.:	Auger Depth: 13.2'	Rotary Depth: N/A
County: Wayne	Start Date: 3/10/94	Finish Date: 3/10/94

Quadrangle: Section: Township: Range: Fairfield Section 1, Township 2S, Range 7E	Sample	Personnel	
Boring Location: Underground Storage Tank (UST) excavation near building	Type & Number	Recovery	
Drilling Equipment: CME 75, HSA, Split Spoon			N Values/Blows
			Geologist: Kevin Rogers Drilling Contractor: AE Exploration Corp. Driller: Kerry Doetzel Helpers: Kim Pagliai

Elev	Description	Depth (ft)	Type & Number	Recovery	N Values/Blows	Comments
	Blind drilling using fishtail bit	1				No noticeable odor
	Cuttings indicate white rock (CA-6) in upper portion and native soils in lower portion	2				No visible indication of contamination
		3				Lots of water in borehole
		4				
		5				B5-S1 collected for analysis
		6				
		7				Borehole sealed with 1 bag granular bentonite and cuttings mixture
		8				
		9				
		10				
		11				
		12				
		Tan-brown, silty, CLAY	13	B5-S1	1.4	11, 22, 32
	END OF BORING: 13.2'	14				
		15				
		16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				

ENVIRONMENTAL MANAGEMENT, INC.
 1330 South Fifth Street, Springfield, IL 62703 (217) 525-4100

**Boring
 Log**

Site File No.: #94-003	Boring No.: B6	Monitoring Well No.: N/A
Site File Name: Walton Army Reserve Center	Surface Elevation:	Completion Depth: 11.3'
Fed. ID No.:	Auger Depth: 11.3'	Rotary Depth: N/A
County: Wayne	Start Date: 3/10/94	Finish Date: 3/10/94

Quadrangle: Fairfield Section 1, Township 2S, Range 7E	Sample			Personnel
Boring Location: Underground Storage Tank (UST) excavation near building	Type & Number	Recovery	N Values/Blows	Geologist: Kevin Rogers
Drilling Equipment: CME 75, HSA, Split Spoon				Drilling Contractor: AE Exploration Corp.
				Driller: Kerry Doetzel
				Helpers: Kim Pagliai

Elev	Description	Depth (ft)	Type & Number	Recovery	N Values/Blows	Comments
	Blind drilling using fishtail bit	1				No noticeable odor
	Cuttings indicate native soils throughout	2				No visible indication of contamination
		3				
		4				B6-S1 collected for analysis
		5				
		6				Borehole sealed with 1 bag granular bentonite and cuttings mixture
		7				
		8				
		9				
		10				
	Tan-brown, moist, silty, CLAY	11	B6-S1	1.5	5, 7, 13	
	END OF BORING: 11.3'	12				
		13				
		14				
		15				
		16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				

ATTACHMENT 3:
CHAIN OF CUSTODY RECORD

CHAIN OF CUSTODY RECORD

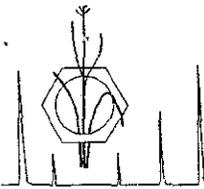
Prairie Analytical Systems, Inc. * 205 Main Terminal - Capital Airport * Springfield, IL 62707

Client: Select Remediation, Inc Project Number: EMI Project #94-003
 Address: 3300 East 83rd Street Contact Person: Kevin W Rogers
 City/State/ZIP: Merrillville, IN 46410 Invoice to: Environmental Management, Inc

Description	Date	Time	Sample Type	No. of Containers	Analysis Requested	Remarks
Soil Sample B1-S1	3/10/94	12:57	Grab	1	PNA/EPA 8270	
Soil Sample B2-S1	3/10/94	1:36	Grab	1	PNA/EPA 8270	
Soil Sample B3-S1	3/10/94	2:19	Grab	1	PNA/EPA 8270	
Soil Sample B4-S1	3/10/94	3:00	Grab	1	PNA/EPA 8270	
Soil Sample B5-S1	3/10/94	3:54	Grab	1	PNA/EPA 8270	
Soil Sample B5-S2	3/10/94	3:55	Grab	1	PNA/EPA 8270	
Soil Sample B6-S1	3/10/94	4:24	Grab	1	PNA/EPA 8270	

Relinquished By:		Received By:	
Company	Environmental Management, Inc.	Prairie Analytical Systems, Inc	
Printed Name	Kevin W Rogers	Gary Bunk	
Signature	<i>Kevin W. Rogers</i>	<i>Gary Bunk</i>	
Date & Time	3/11/94 3:19 pm	3-11-94 3 19 pm	

ATTACHMENT 4:
PAS SAMPLE RESULTS



PRAIRIE ANALYTICAL SYSTEMS, INC.

ENVIRONMENTAL AND AGRICULTURAL TESTING

Page 1 of 1

Select Remediation, Inc.
3300 East 83rd Street
Merrillville, IN 46410

Date Sampled: 10 March 1994
Date Received: 11 March 1994

Date Analyzed: 14 March 1994
Date Reported: 15 March 1994

Project: 94-003

PAS Project Code: EMI-003

Sample Description:	B1-S1	B2-S1	B3-S1
PAS Sample Number:	9403110615	9403110616	9403110617

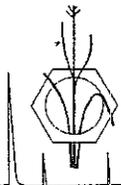
Polynuclear Aromatic Hydrocarbons

Parameters	Detection Limit mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	E.P.A. Method
Naphthalene	0.660	<0.660	<0.660	<0.660	8270
Acenaphthene	1.200	<1.200	<1.200	<1.200	8270
Anthracene	0.660	<0.660	<0.660	<0.660	8270
Fluoranthene	0.660	<0.660	<0.660	<0.660	8270
Fluorene	0.140	<0.140	<0.140	<0.140	8270
Pyrene	0.180	<0.180	<0.180	<0.180	8270
Benzo (a) Anthracene	0.0087	<0.0087	<0.0087	<0.0087	8270
Benzo (a) Pyrene	0.015	<0.015	<0.015	<0.015	8270
Benzo (b) Fluoranthene	0.011	<0.011	<0.011	<0.011	8270
Benzo (k) Fluoranthene	0.011	<0.011	<0.011	<0.011	8270
Chrysene	0.100	<0.100	<0.100	<0.100	8270
Dibenzo (a,h) Anthracene	0.020	<0.020	<0.020	<0.020	8270
Indeno (1,2,3-c,d) Pyrene	0.029	<0.029	<0.029	<0.029	8270
Acenaphthylene	0.660	<0.660	<0.660	<0.660	8270
Benzo (g,h,i) Perylene	0.051	<0.051	<0.051	<0.051	8270
Phenanthrene	0.660	<0.660	<0.660	<0.660	8270

Surrogates	Recovery Limit	% Recovery	% Recovery	% Recovery
Nitrobenzene d5	23-120%	88%	82%	94%
Terphenyl d14	18-137%	85%	87%	93%
2-Fluorobiphenyl	30-115%	92%	102%	101%

Stephen R. Johnson
Stephen R. Johnson, Laboratory Director

P. O. BOX 8326 * SPRINGFIELD, IL 62791-8326 * 217/753-1148



PRAIRIE ANALYTICAL SYSTEMS, INC.

ENVIRONMENTAL AND AGRICULTURAL TESTING

Page 1 of 1

Select Remediation, Inc.
3300 East 83rd Street
Merrillville, IN 46410

Date Sampled: 10 March 1994
Date Received: 11 March 1994

Date Analyzed: 14 March 1994
Date Reported: 15 March 1994

Project: 94-003

PAS Project Code: EMI-003

Sample Description:	B4-S1	B5-S1	B5-S2
PAS Sample Number:	9403110618	9403110619	9403110620

Polynuclear Aromatic Hydrocarbons

<u>Parameters</u>	Detection Limit mg/kg	Result mg/kg	Result mg/kg	Result mg/kg	E.P.A. Method
Naphthalene	0.660	<0.660	<0.660	<0.660	8270
Acenaphthene	1.200	<1.200	<1.200	<1.200	8270
Anthracene	0.660	<0.660	<0.660	<0.660	8270
Fluoranthene	0.660	<0.660	<0.660	<0.660	8270
Fluorene	0.140	<0.140	<0.140	<0.140	8270
Pyrene	0.180	<0.180	<0.180	<0.180	8270
Benzo (a) Anthracene	0.0087	<0.0087	<0.0087	<0.0087	8270
Benzo (a) Pyrene	0.015	<0.015	<0.015	<0.015	8270
Benzo (b) Fluoranthene	0.011	<0.011	<0.011	<0.011	8270
Benzo (k) Fluoranthene	0.011	<0.011	<0.011	<0.011	8270
Chrysene	0.100	<0.100	<0.100	<0.100	8270
Dibenzo (a,h) Anthracene	0.020	<0.020	<0.020	<0.020	8270
Indeno (1,2,3-c,d) Pyrene	0.029	<0.029	<0.029	<0.029	8270
Acenaphthylene	0.660	<0.660	<0.660	<0.660	8270
Benzo (g,h,i) Perylene	0.051	<0.051	<0.051	<0.051	8270
Phenanthrene	0.660	<0.660	<0.660	<0.660	8270

<u>Surrogates</u>	Recovery Limit	% Recovery	% Recovery	% Recovery
Nitrobenzene d5	23-120%	98%	84%	97%
Terphenyl d14	18-137%	97%	81%	95%
2-Fluorobiphenyl	30-115%	100%	93%	105%

Stephen R. Johnson
Stephen R. Johnson, Laboratory Director

P. O. BOX 8326 * SPRINGFIELD, IL 62791-8326 * 217/753-1148



PRAIRIE ANALYTICAL SYSTEMS, INC.

ENVIRONMENTAL AND AGRICULTURAL TESTING

Page 1 of 1

Select Remediation, Inc.
3300 East 83rd Street
Merrillville, IN 46410

Date Sampled: 10 March 1994
Date Received: 11 March 1994

Date Analyzed: 14 March 1994
Date Reported: 15 March 1994

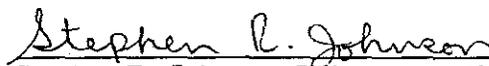
Project: 94-003
Sample Description: B6-S1

PAS Project Code: EMI-003
PAS Sample No.: 9403110621

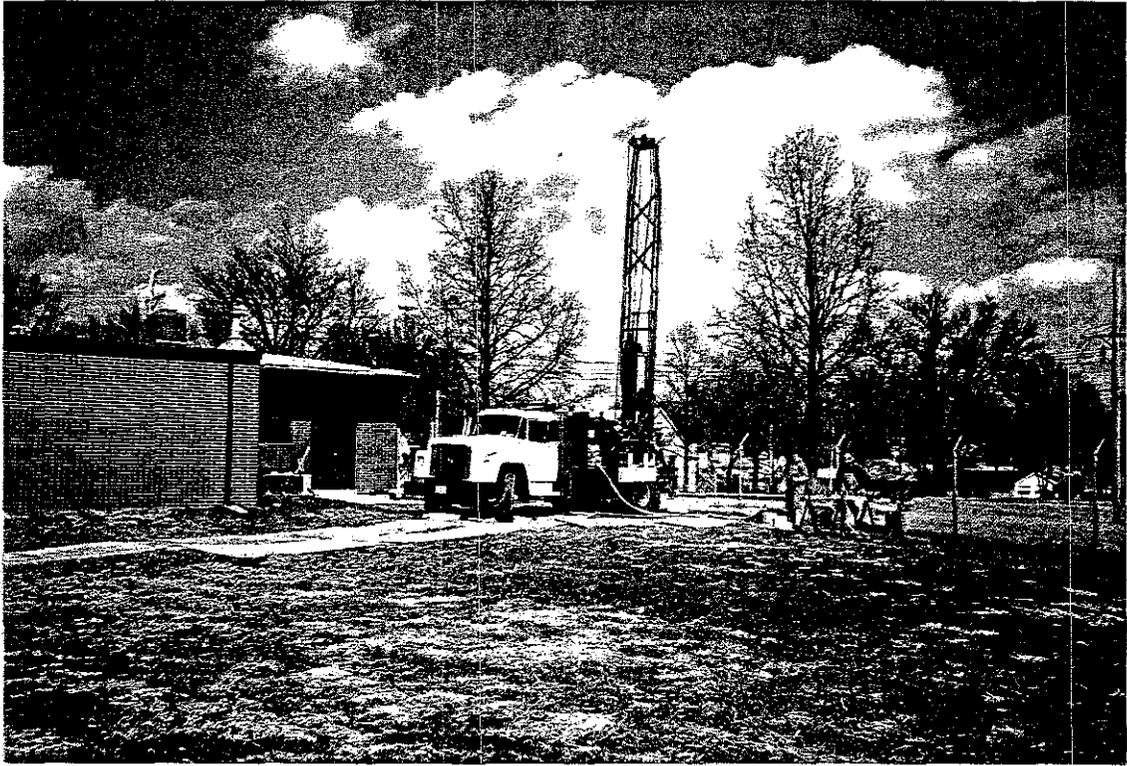
Polynuclear Aromatic Hydrocarbons

<u>Analytes</u>	Det. Lim. mg/kg	Result mg/kg	E.P.A. Method
Naphthalene	0.660	<0.660	8270
Acenaphthene	1.200	<1.200	8270
Anthracene	0.660	<0.660	8270
Fluoranthene	0.660	<0.660	8270
Fluorene	0.140	<0.660	8270
Pyrene	0.180	<0.180	8270
Benzo (a) Anthracene	0.0087	<0.0087	8270
Benzo (a) Pyrene	0.015	<0.015	8270
Benzo (b) Fluoranthene	0.011	<0.011	8270
Benzo (k) Fluoranthene	0.011	<0.011	8270
Chrysene	0.100	<0.100	8270
Dibenzo (a,h) Anthracene	0.020	<0.020	8270
Indeno (1,2,3-c,d) Pyrene	0.029	<0.029	8270
Acenaphthylene	0.660	<0.660	8270
Benzo (g,h,i) Perylene	0.051	<0.051	8270
Phenanthrene	0.660	<0.660	8270

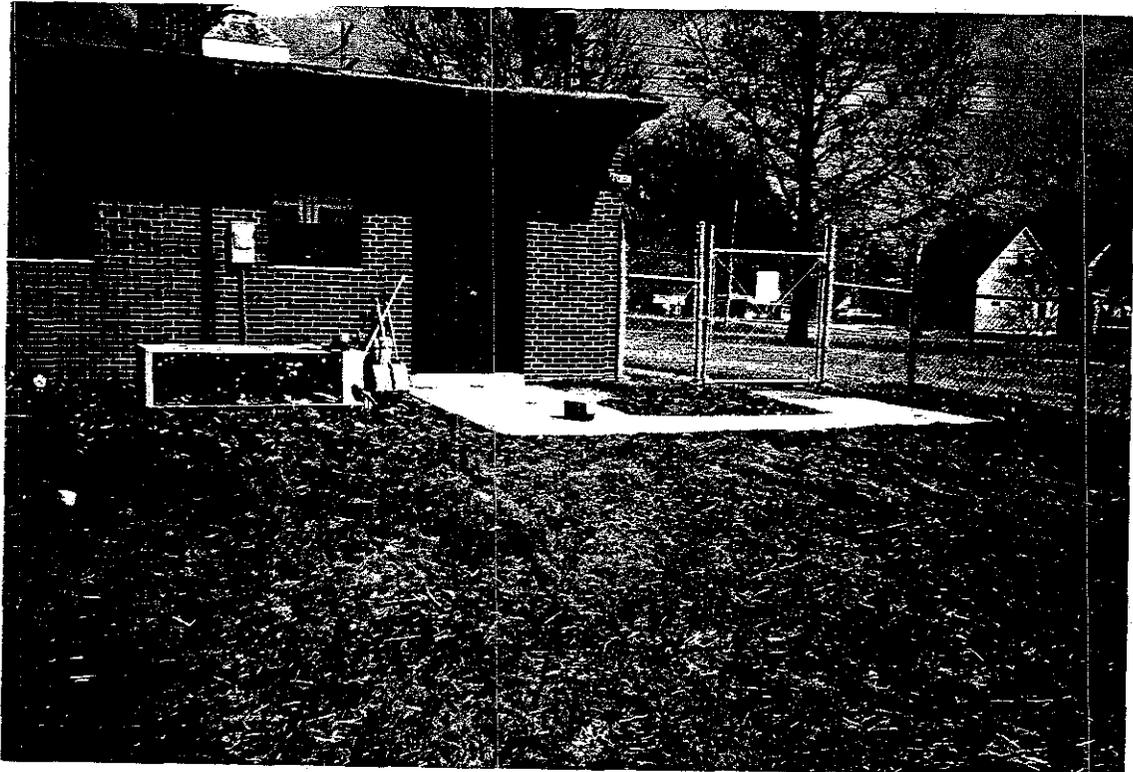
<u>Surrogates</u>	Recovery Limit	% Recovery
Nitrobenzene d5	23-120%	87%
Terphenyl d14	18-137%	85%
2-Fluorobiphenyl	30-115%	93%


Stephen R. Johnson, Laboratory Director

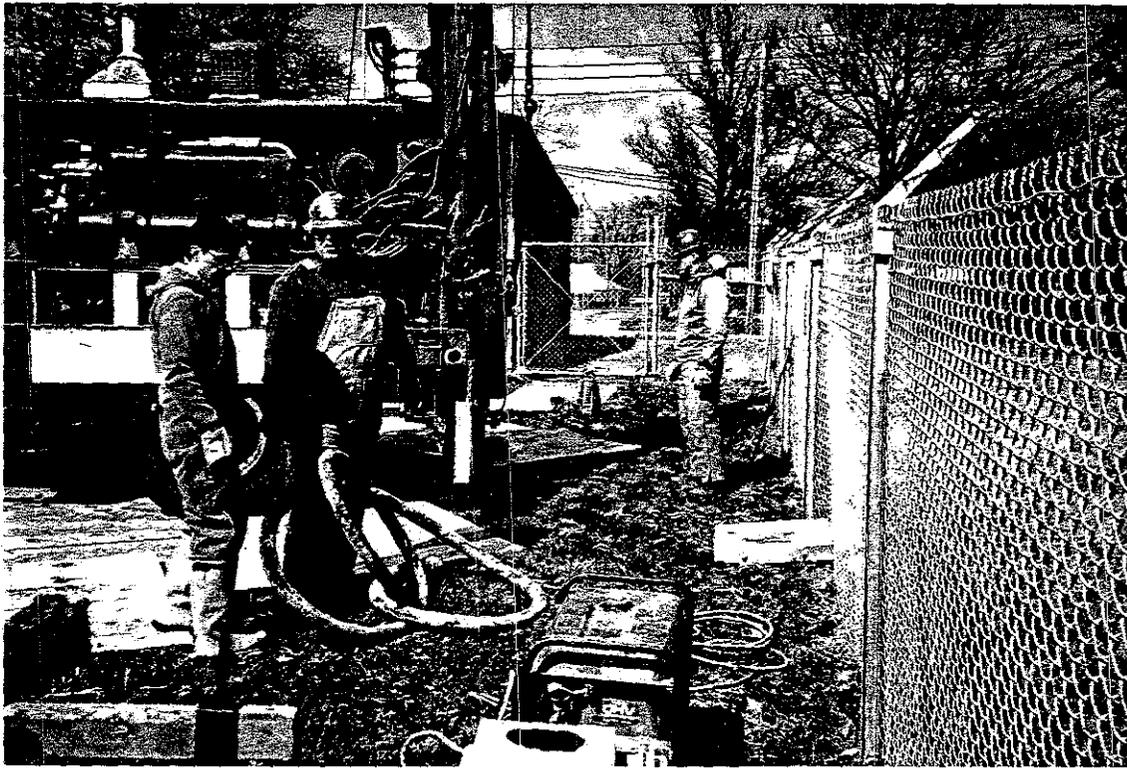
P. O. BOX 8326 * SPRINGFIELD, IL 62791-8326 * 217/753-1148



FACING NORTH EAST



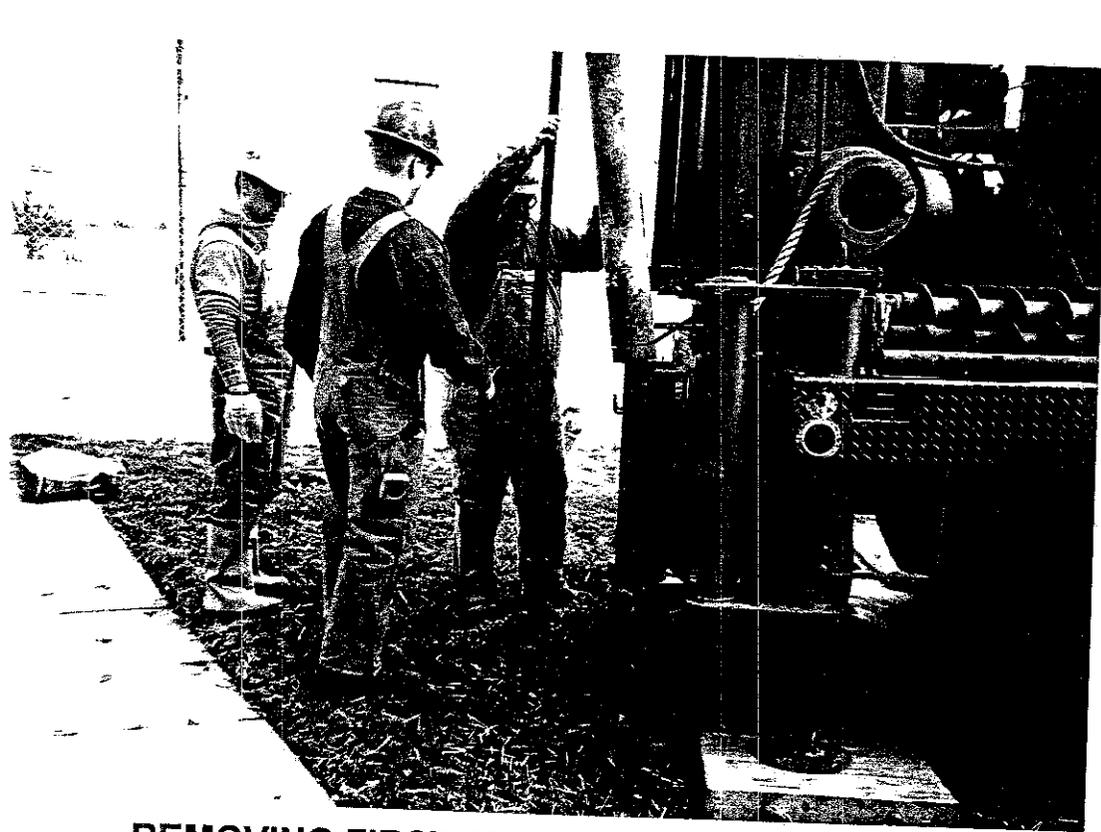
RED LINE SHOWING THE GAS LINE LOCATION



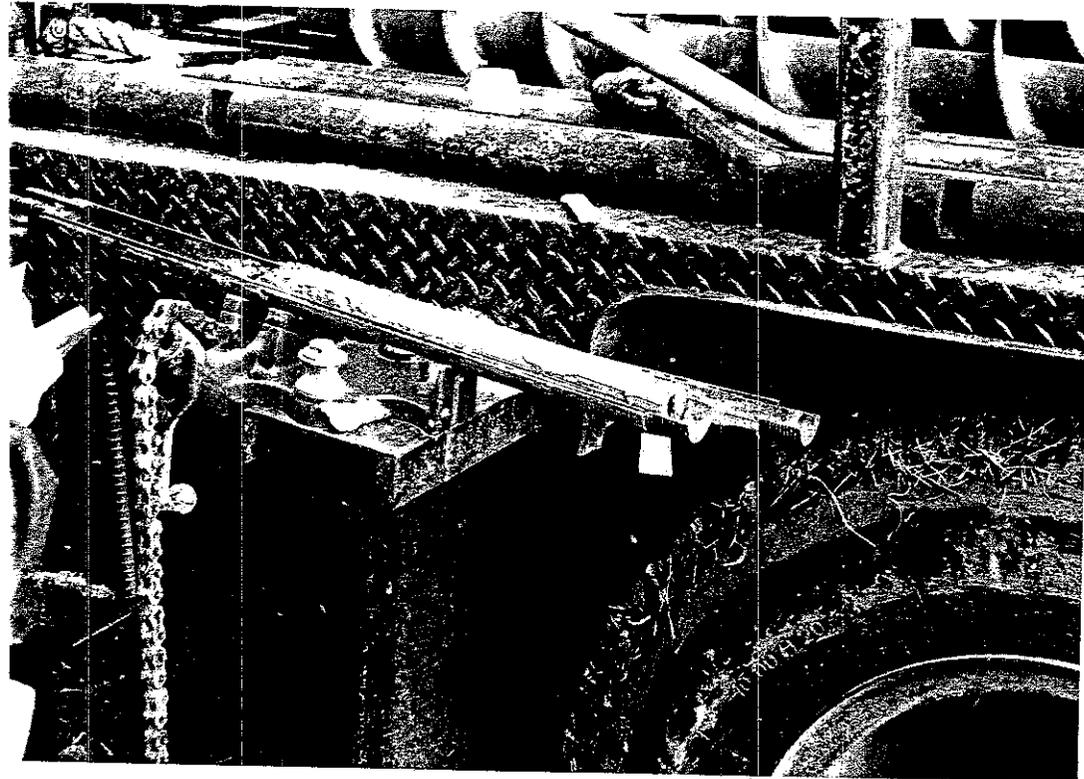
GEOLOGIST & DRILLING CREW



**WIRES & EVE OVERHANG MAKING IT IMPOSSIBLE
TO DRILL ON NORTH SIDE**



REMOVING FIRST SPLIT SPOON SAMPLE



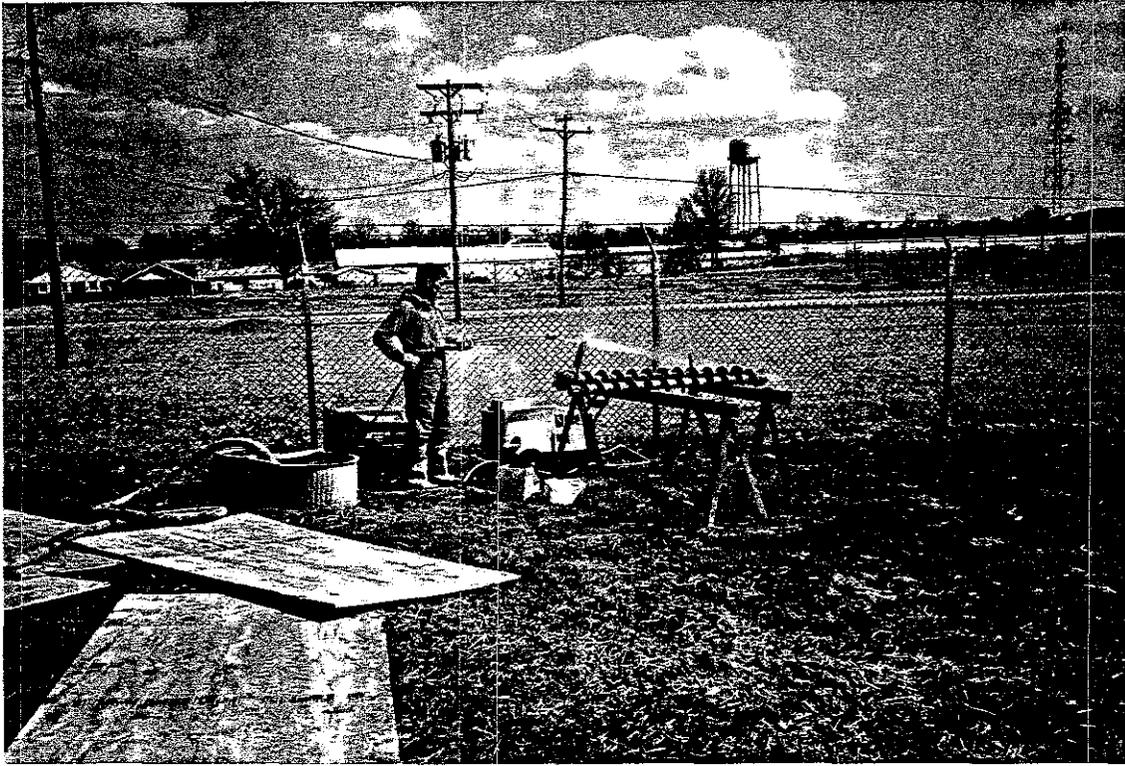
FIRST CORE SAMPLE



**FACING EAST - STARTING BORING ON CENTER
OF PREVIOUS EXCAVATION**



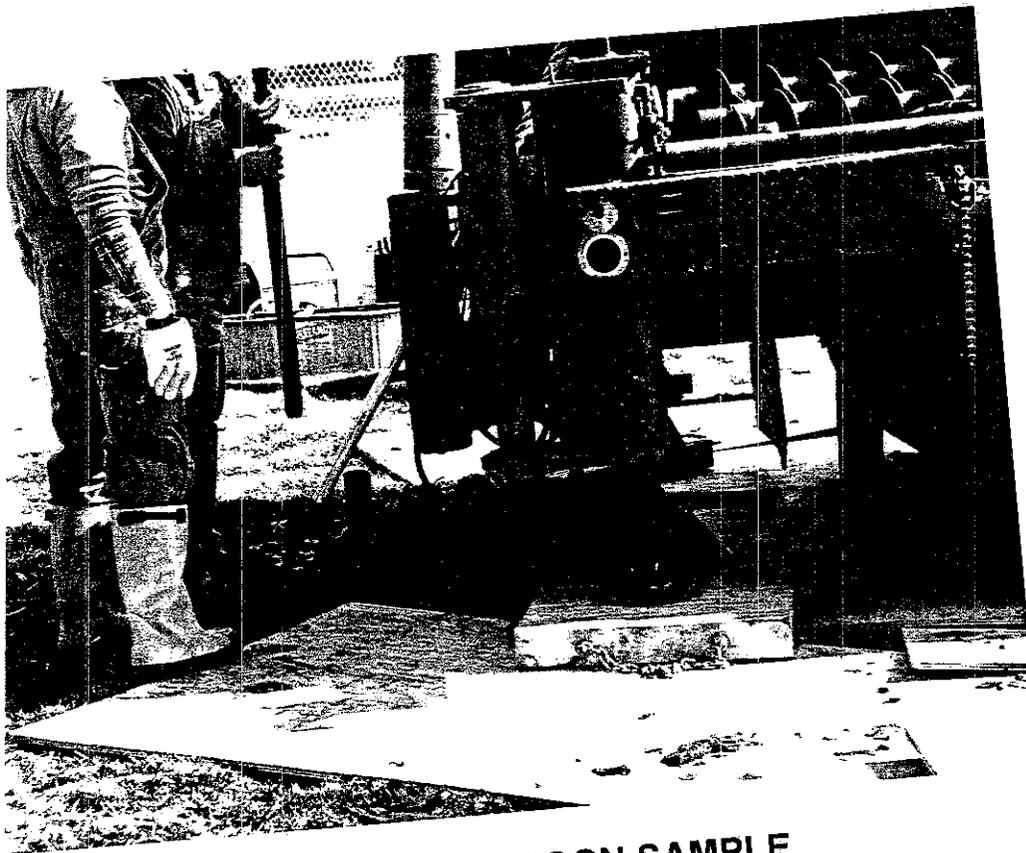
BORING HOLE CLOSED WITH GRANULA BENTONITE & CUTTINGS



**DECONTAMINATION OF AUGERS BETWEEN
BORINGS AT DECON STATION**



VIEW TO SOUTH FROM SITE



PREPARING SPLIT SPOON SAMPLE



CENTRAL SPLIT SPOON SAMPLE

13



VIEW TO SW



SITE AFTER COMPLETION FROM SW TO NE

COMMENT RESPONSE

SECTION #5

Illinois Environmental Protection Agency
Professional Engineer Certification Form
for the Corrective Action Form

The release from the Underground Storage Tank(s) System associated with Incident number 231072 at the facility described in the attached Corrective Action Completion Report has been remediated in accordance with 35 Ill. Adm. Code, Part 731, Subpart F, and other applicable rules and regulations. The remediation has achieved the clean-up objectives set forth by the Agency in Feb. 1993. I certify under penalty of law that this Corrective Action Completion Report, supporting documents and all attachments were prepared under my direction or supervision. To the best of my knowledge and belief, the Corrective Action Completion Report, supporting documents and all attachments are 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.

REGISTERED PROFESSIONAL ENGINEER

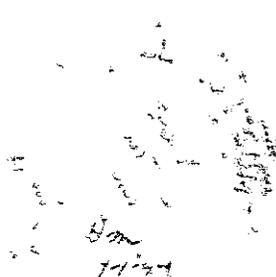
Name: DALE MONTGOMERY

Title: PRESIDENT - DMA ENVIRONMENTAL

Signature: Dale Montgomery

Date: April 1, 1994

Illinois Registration Number: 62-34101



(P.E. Seal)

*I WAS EMPLOYED IN LATE JANUARY 1994
SUBMITTED WERE REVIEWED IN DETAIL AND ALL ACCEPTABLE DOCUMENTS
IN

This Agency is authorized to require this information under Illinois Revised Statutes, 1989, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$25,000 for each day the failure continues, a fine up to \$50,000 and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



State of Illinois

ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director

2200 Churchill Road, Springfield, IL 62794-9276

217/782-6760

February 10, 1994

Walton Army Reserve Center
Attn: Tina Anderson
USAEC & FLW, ATZT-DPW-EE
Ft. Leanorwood, MO 65473-5000

Re: LPC# 1910105020 -- Wayne County
Fairfield/Walton Army Reserve Center
101002 W. Lerninger Road
Incident #931972
LUST/Technical File

Dear Ms. Anderson:

The Illinois Environmental Protection Agency has reviewed the "Corrective Action Plan" which was submitted for the above referenced LUST Incident. This information was submitted by Select Environmental, dated January 17, 1994 and received by the Agency on January 21, 1994. Based on this information, the Agency requests the following.

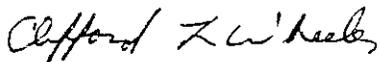
1. A topographic map which shows the location of the site.
2. Provide a site map with locations of the:
 - UST Systems with excavation dimensions and sampling points
 - product and dispenser lines
 - pumps and islands
 - sewer, gas, water and electrical utility lines
 - nearby buildings, roads, etc.
3. Information concerning local geology and hydrogeology.
4. Based upon the dimensions of the former excavation, a minimum of 6 soil samples representing the floor and walls of the excavation should be analyzed for PNAs. If the ADLs cannot be reached, additional remediation of remaining contaminated soil will be required. The detection limits must meet the Agency ADLs.
5. If groundwater is found to have been in contact with contaminated soil, a groundwater investigation will be required, pursuant to 35 IAC Section 731.165.
6. A Laboratory Certification is required for all samples to be considered for closure.

Letter to Tina Anderson
Page 2

7. Once remediation has achieved Agency cleanup objectives, a Professional Engineer Certification Form (included in the forms packet) must be completed.

Please provide the above information in the format of the Technical Reporting Form Packet previously sent upon IEMA notification. Submit this information to the Agency by March 31, 1994. Please include the Re: block at the beginning of this letter on all correspondence. All documentation must be submitted in duplicate. **If you have any questions, please contact Valerie Davis at the above number.**

Sincerely,



Clifford L. Wheeler, Manager
Southern Sub-Unit
State Sites Unit
Leaking Underground Storage Tank Section
Division of Remediation Management
Bureau of Land

CLW:VD:pss

cc: Select Remediation Inc.

bcc: Division File
Marion Region
Valerie Davis

Select Remediation, Inc.

3300 East 83rd Place
Merrillville, IN 46410
(219) 942-6200
(219) 942-3017 FAX

1910105020 - Wayne
U.S. Army Reserve
LOST/Jech

November 15, 1993

RECEIVED

NOV 16 1993

IEPA/DLPC

Illinois Environmental Protection Agency
Division of Land Pollution Control #24
2200 Churchill Road
Springfield, IL. 62794-9276

Inc#931972

Dear Sir/Madam,

Please find enclosed two (2) underground storage tanks closure project summary reports for the following projects:

PSCRG Wilson Army Reserve Center
1001 West DeYoung St.
Marion, IL. 62959

Permit # 8986-93 REM authorizing the removal of one (1) 10,000 gallon underground fuel oil tank.

* SSGRF Walton Army Reserve Center
101002 West Lerninger Road
Fairfield, IL. 62837

Permit # 9183-93 REM authorizing the removal of one (1) 2000 gallon underground fuel oil tank and one (1) 550 gallon fuel oil tank. These tanks had previously been closed in place.

The project performed in Marion, IL. by Select Remediation, Inc. indicated that no release had occurred VIA visual inspection and analytical results. During excavation, no ground water was encountered.

* The project in Fairfield, IL., however, indicated there had been a release located at the 2,000 gallon tank excavation area. ESDA# was issued at the time of release observation.

* This area has since been remediated and samples collected indicate that no further contamination remains. Ground water was not encountered.

The 550 gallon fuel oil tank excavation area was visually clean and samples indicate no release occurred.

November 15, 1993
Page Two

If you have any further questions regarding these projects, please contact me at (219)942-6200.

Sincerely,

SELECT REMEDIATION, INC.

A handwritten signature in cursive script, appearing to read "Peter Gallati". The signature is written in black ink and is positioned above the printed name.

Peter Gallati
Project Manager

Enclosures

Select Remediation, Inc.

3300 East 83rd Place
Merrillville, IN 46410
(219) 942-6200
(219) 942-3017 FAX



September 23, 1993

File Copy

UNDERGROUND STORAGE TANK REMOVAL

PROJECT SUMMARY

Submitted to Mosely Construction
for
Walton Army Reserve Center

Located in
Fairfield, Illinois

Presented
by
SELECT REMEDIATION, INCORPORATED

RECEIVED
NOV 18 1993
IEPA/DLPC

September 20, 1993
Page Two

TABLE OF CONTENTS

PROJECT OVERVIEW

APPENDIX

1. Analytical Results
2. Landfill Disposal Documentation
3. Disposal Documentation
4. Backfill Documentation
5. Permit to Remove
6. Certified Payroll Reports
7. Site Photos

September 20, 1993
Page Ten

PROJECT OVERVIEW

Prior to site mobilization, all pertinent utilities had been notified to mark any underground lines in the dig areas.

On July 22, 1993, Select Remediation Inc. mobilized on site to begin excavating to expose (2) two underground storage tanks, located at the Walton Army Reserve Center in Fairfield, Illinois. One tank was a 2000 gallon and the other was a 550 gallon. Both tanks had previously been filled in place.

We began excavating the 2000 gallon tank first and hit contaminated water at approximately a 4 foot depth. The water appeared to be "perch" water. When we say "perch" water, we mean backfill run off water. The soils in the area are of a high percentage of clay, while the backfill area was of sand.

We began stockpiling the contaminated soil on 6 mil poly sheeting. Upon tank exposure, it appeared that the tank had not been properly cleaned prior to in place closure.

Upon tank exposure, excavating ceased. The track hoe was moved where the 550 gallon tank was located and excavation proceeded.

Upon tank exposure, it was noted there were no visible signs of contamination. The areas were then secured for the evening to await the fire marshall the following day.

On July 23, 1993 Select personnel arrived on site to await the arrival of Tom Erin, State fire Marshall.

At 9:45am Tom arrived on site. At that time, Project Manager, Peter Gallati called the State of Illinois to report that a release had occurred. ESDA # 931972 was then issued. At 10:30am the local gas company was called to come out and disconnect the gas line that had been exposed. This was a precautionary measure taken due to the fact the excavation walls continued to collapse.

September 20, 1993
Page Eleven

There was a concern that the air conditioner was also in jeopardy of collapse. E.L. Simpson was called to evacuate and disconnect the system so it could be moved to a secure location.

It appeared that the a/c evacuation would take some time, so personnel moved to the 550 gallon tank area to remove it.

At 11:30am the 550 gallon tank was removed, along with the backfill contents in it. This material was transferred over to the contaminated stockpile to await proper disposal. All associated piping was removed from the excavation and soil samples were collected and the area backfilled.

At 1:00pm the a/c system was properly evacuated and the 2000 gallon tank was removed and rendered non reusable by crushing.

Select continued to remove contaminated soils until they became too soupy due to the water. At this time digging ceased and pumping began. The water was pumped into 16-55 gallon tight head drums. This material was shipped off site that evening for proper disposal by Transport One.

Upon excavation completion, soil samples were collected, along with a stockpile sample for disposal acceptance.

All samples were submitted to Ireland Laboratory, located in Metropolis, Illinois.

The site was secured and Select personnel demobilized from the site to await analytical results.

On July 29, 1993 analytical results were received and no contamination was detected in either of the two excavation areas.

On August 5, 1993 Select Remediation submitted disposal documentation to Daubs Landfill for disposal acceptance.

On August 13, 1993 we received authorization by the landfill to transport and dispose of the contaminated soils.

On August 16, 1993 Peter Gallati met with Kaye Jones of Daubs Landfill, and learned that they would need another week before we could transport material as their new cell was not ready for acceptance.

September 20, 1993
Page Twelve

On July 17, 1993 the excavations were backfilled with CA6 gravel and compacted.

The 550 gallon excavation area was also landscaped at this time.
At 3:00pm Peter Gallati demobilized from site.

On August 23, 1993 Select personnel remobilized on site to schedule transportation and disposal of the stockpiled contaminated soil.
At 7:00am the following morning, Banker Truck Service arrived on site to begin transporting to the landfill.

A total of 14 loads of petroleum contaminated soil were transported to Daubs Landfill.

Final site restoration was to be completed there after.

Due to problems with our concrete contractor, final site restoration was not completed until September 20, 1993.

September 20, 1993
Page Three

ANALYTICAL RESULTS



Select Remediation, Inc.

3300 East 83rd Place
Merrillville, IN 46410
(219) 942-6200
(219) 942-3017 FAX

CHAIN-OF-CUSTODY RECORD

RECEIVING ENTITY Westland Laboratory

ENTITY CONTACT/PHONE Shirley

NO 1019

CHAIN-OF-CUSTODY

PROJECT MANAGER P. Seidel

SELECT PHONE _____

Name of Client		Project Name, City, State		Parameters						Project / P.O. #		
Item Number	Date	Time	Sample Number	Number & Size of Containers	Description	Flask First	Flask % Sealed	Leak Test	TPH	VHS	PHX-8080	Transfer 1 2 3 4
1			B-1	1-gal	Soils for disposal acceptance	X	X	X	X	X	X	✓
2			B-2	2-40g	At excavation - Soils							✓
3			B-3	2-40g	North West - grab							✓
4			B-4	2-40g	2K - East West - grab							✓
5			B-5	2-40g	2K - South							✓
6			B-6	2-40g	2K - West West - grab							✓
7			B-7	1-40g	2K - West - grab							✓
8			B-8	2-40g	2K - West - grab							✓
9			B-9	2-40g	2K - West - grab							✓
10			B-10	2-40g	2K - West - grab							✓
11			B-11	2-40g	2K - West - grab							✓
12			B-12	2-40g	2K - West - grab							✓
Trans #	Item #	Time	Sample Relinquished By	Accepted By	Date	Time	TOTALS					
1	1-12		Felton Mallard DE DAKS FOR UNSAT TEST	ONE	5-19-98		11	11	11	11	11	11
2												
3												
4												

Dumbo Landfill Pasture

Person Responsible for Samples: Felton Mallard Select Affiliation: Select

Special Instructions (use back of form if necessary): attach photocopies to other pages

7/23/97 14:30 Quinted 205 PA Sample PMS, BTEX

11 255 disposal acceptance

Send hard copy & QA/QC data results to QA/QC Coordinator at Select Remediation



Rt. 4, Box 282A
Metropolis, IL 62960
(618) 524-4115

Full Service Environmental Testing Facility for Earth, Water, and Air Analysis

CLIENT: Select Remediation, Inc. PROJECT NAME: Walton Army Reserve Center
ADDRESS: 3300 East 83rd Place PROJECT LOCATION: Fairfield, Illinois
Merrillville, IN 46410
PHONE: (219) 942-6200

ANALYSIS & PROTOCOL NUMBER: SW846 Protocol 8020 BTEX Analysis

DETECTION LIMIT: 2 ppb

SAMPLE MATRIX: Soil

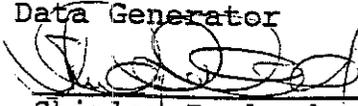
SAMPLE ID:	B-1	B-2	B-3	B-4	B-5
LABORATORY ID:	793335-1	793335-2	793335-3	793335-4	793335-5
DATE COLLECTED:	7/23/93	7/23/93	7/23/93	7/23/93	7/23/93
DATE RECEIVED:	7/23/93	7/23/93	7/23/93	7/23/93	7/23/93
DATE REPORTED:	7/29/93	7/29/93	7/29/93	7/29/93	7/29/93

UNITS: ppb

RESULTS:

BENZENE	< 2 ppb				
TOLUENE	< 2 ppb				
ETHYLBENZENE	< 2 ppb				
XYLENES	< 2 ppb				
% Recovery a a a Trifluorotoluene	88.61%	84.19%	83.47%	94.23%	86.69%

Data Generator SI SI SI SI SI


Shirley Ireland, Laboratory Manager



Rt. 4, Box 282A
Metropolis, IL 62960
(618) 524-4115

Full Service Environmental Testing Facility for Earth, Water, and Air Analysis

CLIENT: Select Remediation, Inc. PROJECT NAME: Walton Army Reserve Center

ADDRESS: 3300 East 83rd Place PROJECT LOCATION: Fairfield, Illinois
Merrillville, IN 46410

PHONE: (219) 942-6200

ANALYSIS & PROTOCOL NUMBER: SW846 Protocol 8020 BTEX Analysis

DETECTION LIMIT: 2 ppb

SAMPLE MATRIX: Soil

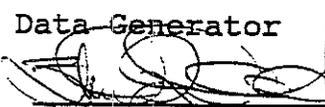
SAMPLE ID:	B-6	B-7	B-8	B-9	B-10
LABORATORY ID:	793335-6	793335-7	793335-8	793335-9	793335-10
DATE COLLECTED:	7/23/93	7/23/93	7/23/93	7/23/93	7/23/93
DATE RECEIVED:	7/23/93	7/23/93	7/23/93	7/23/93	7/23/93
DATE REPORTED:	7/29/93	7/30/93	7/29/93	7/29/93	7/29/93

UNITS: ppb

RESULTS:

BENZENE	< 2 ppb	< 2 ppb	< 2 ppb	< 2 ppb	< 2 ppb
TOLUENE	< 2 ppb	141.37 ppb	< 2 ppb	< 2 ppb	< 2 ppb
ETHYLBENZENE	< 2 ppb	274.97 ppb	< 2 ppb	< 2 ppb	< 2 ppb
XYLENES	< 2 ppb	568.30 ppb	< 2 ppb	< 2 ppb	< 2 ppb
% Recovery a a a Trifluorotoluene	89.86%	91.10%	87.75%	88.90%	86.06%

Data Generator SI SI SI SI SI


Shirley Ireland, Laboratory Manager



Rt. 4, Box 282A
Metropolis, IL 62960
(618) 524-4115

Full Service Environmental Testing Facility for Earth, Water, and Air Analysis

CLIENT: Select Remediation, Inc. PROJECT NAME: Walton Army Reserve Center

ADDRESS: 3300 East 83rd Place PROJECT LOCATION: Fairfield, Illinois
Merrillville, IN 46410

PHONE: (219) 942-6200

ANALYSIS & PROTOCOL NUMBER: SW846 Protocol 8020 BTEX Analysis

DETECTION LIMIT: 2 ppb

SAMPLE MATRIX: Soil

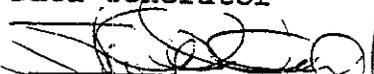
SAMPLE ID:	B-11	B-12
LABORATORY ID:	793335-11	793335-12
DATE COLLECTED:	7/23/93	7/23/93
DATE RECEIVED:	7/23/93	7/23/93
DATE REPORTED:	7/29/93	7/29/93

UNITS: ppb

RESULTS:

BENZENE	< 2 ppb	< 2 ppb
TOLUENE	< 2 ppb	< 2 ppb
ETHYLBENZENE	< 2 ppb	< 2 ppb
XYLENES	< 2 ppb	< 2 ppb
% Recovery a a a Trifluorotoluene	90.87%	85.82%

Data Generator SI SI


Shirley Ireland, Laboratory Manager



**Ireland
Laboratories**

Rt. 4, Box 282A
Metropolis, IL 62960
(618) 524-4115

Full Service Environmental Testing Facility for Earth, Water, and Air Analysis

IGNITABILITY, PAINT FILTER AND PH ANALYSES

CLIENT: Select Remediation, Inc. PROJECT NAME: Walton Army Reserve Center

ADDRESS: 3300 East 83rd Place PROJECT LOCATION: Fairfield, Illinois
Merrillville, IN 46410

PHONE: (219) 942-6200

DATE COLLECTED: 7/23/93

DATE RECEIVED: 7/23/93

DATE REPORTED: 7/26/93

SAMPLE ID: B-1

LABORATORY ID: 793335-1

SW 846 IGNITABILITY PROTOCOL 1010
RESULTS:

Sample does not ignite as defined
by CFR 261.21. Headspace does
not flash up to 160 degrees
Fahrenheit.

DATA GENERATOR: SI

SW 846 PAINT FILTER PROTOCOL 9095
RESULTS:

Liquid Was Not Noted

DATA GENERATOR: SI

SW 846 PH PROTOCOL 9045
RESULTS

pH = 7.13

DATA GENERATOR: SI

CHEMIST: 
Shirley Ireland, Laboratory Manager

DATE: 8/03/93



Rt. 4, Box 282A
Metropolis, IL 62960
(618) 524-4115

Full Service Environmental Testing Facility for Earth, Water, and Air Analysis

IGNITABILITY, PAINT FILTER AND PH ANALYSES

CLIENT: Select Remediation, Inc. PROJECT NAME: Walton Army Reserve Center

ADDRESS: 3300 East 83rd Place PROJECT LOCATION: Fairfield, Illinois
Merrillville, IN 46410

PHONE: (219) 942-6200

DATE COLLECTED: 7/23/93

DATE RECEIVED: 7/23/93

DATE REPORTED: 7/26/93

SAMPLE ID: B-1

LABORATORY ID: 793335-1

TESTS:

RESULTS:

% Solids

87.33%

DATA GENERATOR: SI

CHEMIST: 
Shirley Ireland, Laboratory Manager

DATE: 8/03/93



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	793335 B-1	Accessio	93 882239
Collection Date	07/23/93	Time	00:00
Referring Client	SHIRLEY IRELAND	Client ID	793335
		Reported	07/26/93
			07/30/93

Test	Result	Units	Reference Limits
TRPH SOIL	17	PPM	
T.C.L.P. EXTRACTION	METHOD 9071/418.1	QUANTITATION LIMIT	10 PPM
TCLP LEAD	7/28/93		
METHOD NUMBER	6010		
LEAD	<0.50	PPM	
TCLP SPIKE RECOVERY			
*LEAD	95	% REC	
	.		
	.		
	.		

TCLP preparation follows method 1311 SW-846
as revised NOVEMBER 24, 1992 (57 CFR 55114).
APPROVED BY PAUL E. LANE, JR., LAB SUPERVISOR

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

IL 62960 5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	Accession
793335 B-2	93 882240
Collection Date	Time Received
07/23/93	00:00 07/26/93
Referring Client	Client ID Reported
SHIRLEY IRELAND	793335 08/06/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/27/93		
POLYAROMATIC HYDROCARBON			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.25	PPM	
ACENAPHTHYLENE	<0.25	PPM	
ANTHRACENE	<0.25	PPM	
BENZO(A) ANTHRACENE ✓	<0.025	PPM	
BENZO(A) PYRENE ✓	<0.025	PPM	
BENZO(B) FLUORANTHENE ✓	<0.025	PPM	
BENZO(GHI) PERYLENE	<0.025	PPM	
BENZO(K) FLUORANTHENE ✓	<0.025	PPM	
CHRYSENE	<0.025	PPM	
FLUORANTHENE	<0.025	PPM	
FLUORENE	<0.25	PPM	
NAPHTHALENE	<0.25	PPM	
PHENANTHRENE	<0.25	PPM	
PYRENE	<0.025	PPM	
INDENO(1,2,3-CD)PYR	<0.025	PPM	
DIBENZ(A,H) ANTHRACENE	<0.025	PPM	
ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.			

IRELAND LABORATORIES
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RT. #4 BOX 282A
METROPOLIS

Telephone: 618 524 4115

IL 62960

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SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample

793335 B-3

Accession

93 882241

Collection Date	Time	Received
07/23/93	00:00	07/26/93
Referring Client	Client ID	Reported
SHIRLEY IRELAND	793335	08/06/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/27/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.25	PPM	
ACENAPHTHYLENE	<0.25	PPM	
ANTHRACENE	<0.25	PPM	
BENZO(A)ANTHRACENE ✓	<0.025	PPM	
BENZO(A)PYRENE	<0.025	PPM	
BENZO(B)FLUORANTHENE ✓	<0.025	PPM	
BENZO(GHI)PERYLENE	<0.025	PPM	
BENZO(K)FLUORANTHENE ✓	<0.025	PPM	
CHRYSENE	<0.025	PPM	
FLUORANTHENE	<0.025	PPM	
FLUORENE	<0.25	PPM	
NAPHTHALENE	<0.25	PPM	
PHENANTHRENE	<0.25	PPM	
PYRENE	<0.025	PPM	
INDENO(1,2,3-CD)PYR	<0.025	PPM	
DIBENZ(A,H)ANTHRACEN	<0.025	PPM	

ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.

IRELAND LABORATORIES
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METROPOLIS

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SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	793335 B-4	Accession	93 882242
Collection Date	07/23/93	Time	00:00
Referring Client	SHIRLEY IRELAND	Client ID	793335
		Reported	07/26/93
			08/06/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/27/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.25	PPM	
ACENAPHTHYLENE	<0.25	PPM	
ANTHRACENE	<0.25	PPM	
BENZO(A)ANTHRACENE	<0.025	PPM	
BENZO(A)PYRENE	<0.025	PPM	
BENZO(B)FLUORANTHENE	<0.025	PPM	
BENZO(GHI)PERYLENE	<0.025	PPM	
BENZO(K)FLUORANTHENE	<0.025	PPM	
CHRYSENE	<0.025	PPM	
FLUORANTHENE	<0.025	PPM	
FLUORENE	<0.25	PPM	
NAPHTHALENE	<0.25	PPM	
PHENANTHRENE	<0.25	PPM	
PYRENE	<0.025	PPM	
INDENO(1,2,3-CD)PYR	<0.025	PPM	
DIBENZ(A,H)ANTHRACEN	<0.025	PPM	

ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

Telephone: 618 524 4115

IL 62960

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SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	Accession	
793335 B-5	93 882243	
Collection Date	Time	Received
07/23/93	00:00	07/26/93
Referring Client	Client ID	Reported
SHIRLEY IRELAND	793335	08/06/93

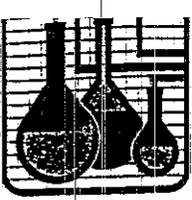
Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/27/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.25	PPM	
ACENAPHTHYLENE	<0.25	PPM	
ANTHRACENE	<0.25	PPM	
BENZO(A)ANTHRACENE ✓	<0.025	PPM	
BENZO(A)PYRENE	<0.025	PPM	
BENZO(B)FLUORANTHENE	<0.025 ✓	PPM	
BENZO(GHI)PERYLENE	<0.025	PPM	
BENZO(K)FLUORANTHENE	<0.025	PPM	
CHRYSENE	<0.025	PPM	
FLUORANTHENE	<0.025	PPM	
FLUORENE	<0.25	PPM	
NAPHTHALENE	<0.25	PPM	
PHENANTHRENE	<0.25	PPM	
PYRENE	<0.025	PPM	
INDENO(1,2,3-CD)PYR	<0.025	PPM	
DIBENZ(A,H)ANTHRACEN	<0.025	PPM	
ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.			

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

Telephone: 618 524 4115

IL 62960

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SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

sample

793335 B-6

ACCESSION

93 882244

Collection Date	Time	Received
07/23/93	00:00	07/26/93
Referring Client	Client ID	Reported
SHIRLEY IRELAND	793335	08/06/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/27/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.25	PPM	
ACENAPHTHYLENE	<0.25	PPM	
ANTHRACENE	<0.25	PPM	
BENZO(A)ANTHRACENE	<0.025	PPM	
BENZO(A)PYRENE	<0.025	PPM	
BENZO(B)FLUORANTHENE	<0.025	PPM	
BENZO(GHI)PERYLENE	<0.025	PPM	
BENZO(K)FLUORANTHENE	<0.025	PPM	
CHRYSENE	<0.025	PPM	
FLUORANTHENE	<0.025	PPM	
FLUORENE	<0.25	PPM	
NAPHTHALENE	<0.25	PPM	
PHENANTHRENE	<0.25	PPM	
PYRENE	0.054	PPM	
INDENO(1,2,3-CD)PYR	<0.025	PPM	
DIBENZ(A,H)ANTHRACEN	<0.025	PPM	
ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.			

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

Telephone: 618 524 4115

IL 62960 .5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	793335 B-7	Accession	93 882245
Collection Date	07/23/93	Time	00:00
Referring Client	SHIRLEY IRELAND	Client ID	793335
		Reported	08/06/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/27/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	9.8	PPM	
ACENAPHTHYLENE	<5.0	PPM	
ANTHRACENE	<5.0	PPM	
BENZO(A) ANTHRACENE	<0.50	PPM	
BENZO(A) PYRENE	<0.50	PPM	
BENZO(B) FLUORANTHENE	<0.50	PPM	
BENZO(GHI) PERYLENE	<0.50	PPM	
BENZO(K) FLUORANTHENE	<0.50	PPM	
CHRYSENE	<0.50	PPM	
FLUORANTHENE	<0.50	PPM	
FLUORENE	<5.0	PPM	
NAPHTHALENE	1.4	PPM	
PHENANTHRENE	<5.0	PPM	
PYRENE	<0.50	PPM	
INDENO(1,2,3-CD)PYR	<0.50	PPM	
DIBENZ(A,H) ANTHRACEN	<0.50	PPM	
ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.			

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

Telephone: 618 524 4115

IL 62960

5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	793335 B-8	Accession	93 882246
Collection Date	07/23/93	Time	00:00
Referring Client	SHIRLEY IRELAND	Client ID	793335
		Reported	08/06/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/27/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.25	PPM	
ACENAPHTHYLENE	<0.25	PPM	
ANTHRACENE	<0.25	PPM	
BENZO(A)ANTHRACENE	<0.025	PPM	
BENZO(A)PYRENE	<0.025	PPM	
BENZO(B)FLUORANTHENE	<0.025	PPM	
BENZO(GHI)PERYLENE	<0.025	PPM	
BENZO(K)FLUORANTHENE	<0.025	PPM	
CHRYSENE	<0.025	PPM	
FLUORANTHENE	<0.025	PPM	
FLUORENE	<0.25	PPM	
NAPHTHALENE	<0.25	PPM	
PHENANTHRENE	<0.25	PPM	
PYRENE	<0.025	PPM	
INDENO(1,2,3-CD)PYR	<0.025	PPM	
DIBENZ(A,H)ANTHRACEN	<0.025	PPM	
ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.			

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

Telephone: 618 524 4115

IL 62960

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SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample

793335 B-9

Accession

93 882247

Collection Date

Time

Received

07/23/93

00:00

07/26/93

Referring Client

Client ID

Reported

SHIRLEY IRELAND

793335

08/06/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/27/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.25	PPM	
ACENAPHTHYLENE	<0.25	PPM	
ANTHRACENE	<0.25	PPM	
BENZO(A) ANTHRACENE	<0.025	PPM	
BENZO(A) PYRENE	<0.025	PPM	
BENZO(B) FLUORANTHENE	<0.025	PPM	
BENZO(GHI) PERYLENE	<0.025	PPM	
BENZO(K) FLUORANTHENE	<0.025	PPM	
CHRYSENE	<0.025	PPM	
FLUORANTHENE	<0.025	PPM	
FLUORENE	<0.25	PPM	
NAPHTHALENE	<0.25	PPM	
PHENANTHRENE	<0.25	PPM	
PYRENE	<0.025	PPM	
INDENO(1,2,3-CD)PYR	<0.025	PPM	
DIBENZ(A,H) ANTHRACEN	<0.025	PPM	

ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

Telephone: 618 524 4115

IL 62960

-5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample

793335 B-10

Accession

93 882248

Collection Date

Time

Received

07/23/93

00:00

07/26/93

Referring Client

Client ID

Reported

SHIRLEY IRELAND

793335

08/06/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/27/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.25	PPM	
ACENAPHTHYLENE	<0.25	PPM	
ANTHRACENE	<0.25	PPM	
BENZO(A)ANTHRACENE	<0.025	PPM	
BENZO(A)PYRENE	<0.025	PPM	
BENZO(B)FLUORANTHENE	<0.025	PPM	
BENZO(GHI)PERYLENE	<0.025	PPM	
BENZO(K)FLUORANTHENE	<0.025	PPM	
CHRYSENE	<0.025	PPM	
FLUORANTHENE	<0.025	PPM	
FLUORENE	<0.25	PPM	
NAPHTHALENE	<0.25	PPM	
PHENANTHRENE	<0.25	PPM	
PYRENE	<0.025	PPM	
INDENO(1,2,3-CD)PYR	<0.025	PPM	
DIBENZ(A,H)ANTHRACEN	<0.025	PPM	

ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

Telephone: 618 524 4115

IL 62960

-5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	793335 B-11	Accession	93 882249
Collection Date	07/23/93	Time	00:00
Received		Reported	07/26/93
Referring Client	SHIRLEY IRELAND	Client ID	793335
		Reported	08/06/93

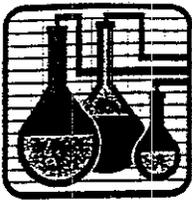
Test	Result	Units	Reference Limits
EXTRACTION,3510	7/27/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.25	PPM	
ACENAPHTHYLENE	<0.25	PPM	
ANTHRACENE	<0.25	PPM	
BENZO(A)ANTHRACENE	<0.025	PPM	
BENZO(A)PYRENE	<0.025	PPM	
BENZO(B)FLUORANTHENE	<0.025	PPM	
BENZO(GHI)PERYLENE	<0.025	PPM	
BENZO(K)FLUORANTHENE	<0.025	PPM	
CHRYSENE	<0.025	PPM	
FLUORANTHENE	<0.025	PPM	
FLUORENE	<0.25	PPM	
NAPHTHALENE	<0.25	PPM	
PHENANTHRENE	<0.25	PPM	
PYRENE	<0.025	PPM	
INDENO(1,2,3-CD)PYR	<0.025	PPM	
DIBENZ(A,H)ANTHRACEN	<0.025	PPM	
ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.			

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

IL 62960

Telephone: 618 524 4115

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SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample
793335 B-12

Accession
93 882250

Collection Date	Time	Received
07/23/93	00:00	07/26/93
Referring Client	Client ID	Reported
SHIRLEY IRELAND	793335	08/06/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/27/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	<0.25		
ACENAPHTHENE	<0.25	PPM	
ACENAPHTHYLENE	<0.25	PPM	
ANTHRACENE	<0.25	PPM	
BENZO(A)ANTHRACENE	<0.025	PPM	
BENZO(A)PYRENE	<0.025	PPM	
BENZO(B)FLUORANTHENE	<0.025	PPM	
BENZO(GHI)PERYLENE	<0.025	PPM	
BENZO(K)FLUORANTHENE	<0.025	PPM	
CHRYSENE	<0.025	PPM	
FLUORANTHENE	<0.025	PPM	
FLUORENE	<0.25	PPM	
NAPHTHALENE	<0.25	PPM	
PHENANTHRENE	<0.25	PPM	
PYRENE	<0.025	PPM	
INDENO(1,2,3-CD)PYR	<0.025	PPM	
DIBENZ(A,H)ANTHRACEN	<0.025	PPM	
ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.			

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

Telephone: 618 524 4115

IL 62960

-5258

September 20, 1993
Page Four

LANDFILL DISPOSAL DOCUMENTATION

DAUBS LANDFILL, INC.

P.O. Box 391
Fairfield, IL 62837
(618) 842-4294
Fax# (618)847-4712

Sent 8/1/93



Special Waste Disposal Approval

Disposal Facility Daubs #3 Landfill ID Number 1918040003

Generator Information

1. Name SSGBF (WALTON) ARMY RESERVE CENTER
2. Address 101002 W LEINER ROAD
3. City and State FAIRFIELD ILLINOIS 62837
4. Contact Person PETER GALLATI 219/942-6200
5. Plant or Work Site Location SAME AS ABOVE

Waste Information

6. Common Name of Waste SOIL CONTAMINATED WITH FUEL OIL (NON-HAZARDOUS BY I)
7. Detailed Description of Process Generating Waste UNDERGROUND STORAGE TANK REMOVAL
8. Is This a Hazardous or Toxic Waste as Defined by Federal, State or Local Laws or Regulations: Yes No

Physical Characteristics of Waste

9. Color BROWN / BLACK
10. Odor None Mild Strong Describe PETROLEUM
11. Physical State Solid Semi-Solid (sludge) Liquid Powder
 Other _____
12. Free Standing Liquids Yes No
13. Minimum Percent Solids 87.33 %
14. Waste Will Be Disposed In: Bulk Drum Other _____
15. Anticipated Volume: Tons Yards Drums Other _____ 450 cu yd
16. Frequency One-time Weekly Monthly Other _____

Transporter Information

17. Name LOVE EXCAVATING

18. Address P.O. Box 748

19. City and State FAIRFIELD IL 62837

20. Contact Person DENNY LOVE Phone 618/842-6716

Laboratory Information

21. Name IRELAND LABORATORY

22. Contact Person SHIRLEY IRELAND Phone 618/524-4115

23. Attach a recent (within 6 months) analysis of a representative sample of the waste to be disposed. Parameters to be reported shall include:

5 TO BE DONE UNCONTAMINATED

- * (A) Flash Point
- * (B) pH
- * (C) Percent Solids
- * (D) Paint Filter Test
- * (E) Cyanide Reactivity
- * (F) Sulfide Reactivity
- * (G) PCB (if required)
- * (H) Total Petroleum Hydrocarbons (TPH) (spill/release residues only)
- * (L) TCLP Metals
 - * Arsenic
 - * Barium
 - * Cadmium
 - * Lead
 - * Mercury
 - * Selenium
 - * Silver

- J. TCLP Pesticides
 - * Endrin
 - * Lindane
 - * Methoxychlor
 - * Toxaphene
 - * 2,4-D
 - * 2,4,5-TP (Silvex)
- K. TCLP Organics
 - * Benzene
 - * Carbon Tetrachloride
 - * Chloroform
 - * o-, m-, p- Cresol
 - * Total Cresol
 - * 1,4-Dichlorobenzene
 - * 1,2-Dichloroethane
 - * 2,4-Dinitrotoluene

- K. TCLP Organics continued...
 - * Heptachlor (and Hydroxide)
 - * Hexachlorobenzene
 - * Hexachlorobutadiene
 - * Hexachloroethane
 - * Methyl Ethyl Ketone
 - * Nitrobenzene
 - * Pentachlorophenol
 - * Pyridine
 - * Tetrachloroethylene
 - * Trichloroethylene
 - * 2,4,5-Trichlorophenol
 - * 2,4,6-Trichlorophenol
 - * Vinyl Chloride

* (L) BTEX

24. Attach Appropriate State Approvals.

Certification

I certify that all information submitted in this and all attached documents are true, accurate and complete and is an accurate representation of the waste to be disposed.

Name PETER GALLATI
(Print or type)

[Signature]
(Signature)

Title PROJECT MANAGER

Date 8/5/93

Approval

The waste as represented by information contained in this document is approved for disposal at:

WAYNE COUNTY REGIONAL LANDFILL
FAIRFIELD, ILLINOIS

PESTICIDE\HERBICIDE CERTIFICATION

GENERATOR'S NAME: SSGRF WALTON ARMY RESERVE CENTER

GENERATOR'S ADDRESS: 101002 W LEINIGER ROAD

GENERATOR'S IEPA I.D. NO: _____

WASTE NAME: SOIL CONTAMINATED WITH FUEL OIL (NOW HAZARDOUS BY DOT)

WASTE GENERATED IN THE PRODUCTION OF: UNDERGROUND STORAGE TANK REMOVAL

To comply with the Illinois Environmental Protection Agency requirements concerning supplemental waste stream disposal permits, please indicate if the waste material identified above contains any of the T.C.L.P. components noted below:

	YES	NO
ENDRIN	___	XXX
METHOXYCHLOR	___	XXX
LINDANE	___	XXX
TOXAPHENE	___	XXX
2,4,5,-TP SILVEX	___	XXX
2,4-D	___	XXX
CHLORDANE	___	XXX
HEPTACHLOR AND ITS EPOXIDE	___	XXX

If {YES} was checked for any of the pesticides and/or herbicides, a T.C.L.P. analysis is required on the above compounds.

If all the boxes for {NO} were marked, the following statement is required.

I hereby certify that no T.C.L.P. list pesticides and/or herbicides were used in the generating process involved in the production of the waste:

[Signature]
(initials)
[Signature]
AUTHORIZED SIGNATURE
PETER GALLATI
PRINTED NAME
PROJECT MANAGER
TITLE
8/5/93
DATE

* IMPORTANT INFORMATION REQUIRED TO COMPLETE I.E.P.A. PERMIT APPLICATION *

GENERATOR'S SIC CODE: _____

PLEASE CHECK ONE OR THE OTHER FOR THIS WASTE STREAM:

INDUSTRIAL PROCESS WASTE _____ (888)
OR
POLLUTION CONTROL WASTE X (999)

(NOTE: AS DEFINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION ACT)

September 20, 1993
Page Five

DISPOSAL DOCUMENTATION

CONSOLIDATED RECYCLING CO., INC. N^o 1499

EIGHT COMMERCE DRIVE
P.O. Box 55
TROY, IN. 47588
812/547-3479
7991

P.O. No. 217

Req. No. 145

DATE 7-30-83

Load No. _____

CUSTOMER Tractor 1 (Chris Whitt)

ADDRESS P.O. Box 1046 (Mrs. E. J. Whitt)

CITY, STATE, ZIP Troy, IN

DESCRIPTION OF COMMODITY:

Hazardous

Non-Hazardous

Type of Waste Hydrocarbon mixture Product Code No. _____

TRANSPORTATION

Tractor/Unit No. 120 Tractor No. _____

Driver Signature Bill Sizemore 17 Drums

IN Permit NO. _____ D.O.T. Placard No. 2 Manifest

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

CUSTOMER SIGNATURE

(Initials)

STATEMENT OF PRODUCT CONSTITUENTS

The undersigned supplier/seller hereby certifies under penalty of law that this product sold and/or delivered to CONSOLIDATED RECYCLING CO., INC. contains no HALOGENATED ORGANIC COMPOUNDS or other listed "HAZARDOUS WASTES" as defined by UNITED STATES EPA which are intentionally camouflaged or introduced in whole or in part of the "WASTE MATERIAL" being SOLD and/or DELIVERED by the SELLER

Company: _____ Date: _____

Shipment Accepted by Chris Whitt (Signature) _____ (Print)

BUY'S RECEIPT OF ABOVE GOODS CONSTITUTES ACCEPTANCE OF TERMS AND CONDITIONS ON REVERSE SIDE THEREOF

LAB

WEIGHTS

GALLONS

API _____ Gross Wt. _____

Into Tank NO. _____

% BS&W _____ Tare _____

Metered Yes ___ No ___

Flash _____ Net Wt. _____

Gross Gallons _____

Net Gallons _____

LAB REPORT NO. _____ ACCEPTED REJECTED BY _____

Emergency Spill Assistance Telephone Numbers 812/547-3479 812/547-6744



PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A	Manifest Document No. 1-22-93	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address DAUBS LANDFILL INC 1211 WEST WASHINGTON ST SPRINGFIELD IL 62761		Location if Different		Illinois Manifest Document No. 1-22-93	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*		US EPA ID Number		Illinois Generator ID No.	
5. Transporter 1 Company Name DUBOIS		US EPA ID Number N/A		Illinois Transporter ID No.	
7. Transporter 2 Company Name		US EPA ID Number		Illinois Transporter ID No.	
9. Designated Facility Name and Site Address DAUBS LANDFILL INC 1211 WEST WASHINGTON ST SPRINGFIELD IL 62761		US EPA ID Number N/A		Illinois Facility ID No.	
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a.					
b.					
c.					
d.					
15. Special Handling instructions and Additional Information LEASED PAINT FILTER TEST J. S. Ullrich 5/24/93		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.			
Printed/Typed Name HURLEY		Signature [Signature]		Date 11/14/93	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name STUBBS		Signature [Signature]	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Discrepancy Indication Space		20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.			
Printed/Typed Name		Signature		Date	

GENERATOR
TRANSPORTER
FACILITY

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. K/A	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address 1701 N. ...		Location If Different		A. Illinois Manifest Document No. 495516	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*				B. Illinois Generator ID	
5. Transporter 1 Company Name	6. US EPA ID Number			C. Illinois Transporter ID	
7. Transporter 2 Company Name	8. US EPA ID Number			D. Illinois Transporter Phone	
9. Designated Facility Name and Site Address		10. US EPA ID Number			E. Illinois Facility ID
				F. Illinois Facility Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. ...				20015 V	
b.					
c.					
d.					
15. Additional Description for Materials Listed Above				16. Handling Codes for Waste Material G = Gallons, Y = Cubic Yards	
15. Special Handling Instructions and Additional Information UNSAFE DRAIN I WILL TEST D/Salleat 8/24/93					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name EMILY ...		Signature [Signature]		Date 8/24/93	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Paul M. Powell		Signature [Signature]		Date 8/24/93	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Date	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A		Manifest Document No.	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address WALTON ARMY RESERVE 1112 WEST LEWIS RD SPRINGFIELD, ILLINOIS 62737		Location If Different					
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800/345-7717							
5. Transporter 1 Company Name PARKER TRUCK SERVICE		6. US EPA ID Number N/A					
7. Transporter 2 Company Name		8. US EPA ID Number					
9. Designated Facility Name and Site Address DAUBS LANDFILL #1		10. US EPA ID Number N/A					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PAINT FILTERS - CLASS 3D						20015	Y
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information DASSET PAINT FILTER TEST 8/24/93							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled; and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.							
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name HAI				Signature [Signature]		Date 8/24/93	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name [Name]		Signature [Signature]	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature [Signature]	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name				Signature		Date Month Day Year	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved, OMB No. 2050-0039, Expires 9-30-9

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A	Manifest Document No. 1-2204	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address WALTER ARMY RESERVE CENTER 11002 WEST WINDING RD FARMINGTON, IL 62521		Location If Different		A. Illinois Manifest Document No. 495517	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* 472-4-1111				B. Illinois Generator's ID No. 1111111111	
5. Transporter 1 Company Name HANKLE TOWNS SERVICE	6. US EPA ID Number N/A			C. Illinois Transporter's ID No. 1111111111	
7. Transporter 2 Company Name	8. US EPA ID Number			D. Illinois Transporter's Phone No. 1111111111	
9. Designated Facility Name and Site Address DAUT. LAURENCE IFC #3 TO... FARMINGTON, IL 62521	10. US EPA ID Number N/A			E. Illinois Facility's ID No. 1111111111	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit	15. Waste Code
a. TETRALEUM SULFONATED OIL 1-2 HAZARD US - CLASS 80		No.	Type	Wt/Vol	
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information PASSED LEAK FILTER TEST D. J. S. 8/24/93					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Date	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Date	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Date	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1983, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA (RCRA AND PCB WASTES)



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No. N/A	Manifest Document No. 705	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.											
3. Generator's Name and Mailing Address UNION ARMY RESERVE CENTER 1111 S. WASHINGTON ST. SPRINGFIELD, ILL. 62761		Location if Different		<table border="1"> <tr><td> </td></tr> </table>												
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*																
5. Transporter 1 Company Name PAUL M. POWELL	6. US EPA ID Number N/A															
7. Transporter 2 Company Name	8. US EPA ID Number															
9. Designated Facility Name and Site Address FAIRFIELD	10. US EPA ID Number N/A															
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol												
a. <i>PAINT FILTERS</i>																
b. <i>PAINT FILTERS</i>																
c. <i>PAINT FILTERS</i>																
d. <i>PAINT FILTERS</i>																
15. Special Handling Instructions and Additional Information <i>PAINT FILTERS</i>																
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations: If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date: <i>1/24/93</i>																
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Paul M Powell</i>		Date <i>1/24/93</i>												
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature <i>Paul M Powell</i>		Date <i>1/24/93</i>												
19. Discrepancy Indication Space																
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																
Printed/Typed Name		Signature		Date												

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1990, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA (RCRA AND PCB WASTES)



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A	Manifest Document No. 17016	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address WALTON ARMY RESERVE CENTER 11002 WEST LINCOLN RD FARMINGTON, ILL 62531			Location If Different		A. Illinois Manifest Document Number IL 3973001
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 217-244-1712					B. Illinois Generator's ID 015111105000
5. Transporter 1 Company Name FAIRBANKS TRUCK SERVICE		6. US EPA ID Number N/A		C. Illinois Transporter's ID 015111105000	
7. Transporter 2 Company Name		8. US EPA ID Number		D. (618) 717-1177 / Transporter's Phone	
9. Designated Facility Name and Site Address JAMES LAWFIELD #3 PO BOX 311 FARMINGTON, ILL 62531		10. US EPA ID Number N/A		E. Illinois Transporter's ID 015111105000	
				F. (618) 717-1177 / Transporter's Phone	
				G. Illinois Facility ID 015111105000	
				H. Facility's Phone 718-745-1177	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM CONTAMINATED SOIL NON HAZARDOUS - CLASS - 60-			COI	DT	Y
b.					
c.					
d.					
Additional Description for Materials Listed Above			K. Handling Codes for Waste In Item #14 G = Gallons, Y = Other		
15. Special Handling Instructions and Additional Information PASSED PAINT FILTER H. J. Schmitt 8/24/95					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name SHIRLEY CHAIN		Signature <i>[Signature]</i>		Date 09 29 95	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name John Allen		Signature <i>[Signature]</i>		Date 9 1 1995	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Date	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA (RCRA AND PCB WASTES)



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A		Manifest Document No. 0007	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address WALTON ARMY RESERVE CENTER 1402 21ST AVENUE FAIRFIELD IL 62824					Location if Different		
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 217-211-2711					A. Illinois Manifest Document Number IL 3975302		
5. Transporter 1 Company Name FARMER TRUCKING					6. US EPA ID Number N/A		
7. Transporter 2 Company Name					8. US EPA ID Number		
9. Designated Facility Name and Site Address DAVIS LANDFILL #3 PO BOX 511 FAIRFIELD IL 62824					10. US EPA ID Number N/A		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers No. Type		13. Total Quantity
a. PETROLEUM CATALYST WASTE NONHAZARDOUS - CLASS 9					21		20017 Y
b.							
c.							
d.							
J. Additional Description for Materials Listed Above					K. Handling Codes for Wastes Listed Above In Item #14 G = Gallons Y = Cubic Yards		
15. Special Handling Instructions and Additional Information PASSED PAINT FILTER TEST Date: 1/24/93							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name MURPHY HAIN				Signature <i>[Signature]</i>		Date 09/24/92	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Ken Bluborn				Signature <i>[Signature]</i>		Date 08/24/93	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name				Signature		Date	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA (RCRA AND PCB WASTES)



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039. Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No. N/A		Manifest Document No. 1007		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.			
3. Generator's Name and Mailing Address WALTON ARMY RESERVE CENTER 101002 WEST LINDEN RD MOUNTAIN VIEW, MO 64578				Location If Different		A. Illinois Manifest Document Number IL 3975803 B. Illinois Generator's ID 11710105503C C. Illinois Transporter's ID 2571E D. Illinois Transporter's Phone E. Illinois Transporter's ID F. Illinois Transporter's Phone G. Illinois Facility ID H. Facility's Phone					
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 1101 45 071				5. Transporter 1 Company Name PAINTER TRUCK SERVICE		6. US EPA ID Number N/A					
7. Transporter 2 Company Name				8. US EPA ID Number							
9. Designated Facility Name and Site Address DANCE LAKE FILL #3 R. 10A - 11 FAIRFIELD, IL 62431				10. US EPA ID Number N/A							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. HETEROGENEOUS LIQUID WASTE - SOLID LOW HAZARDOUS - CLASS 8 -						201 DRUMS		200 LITERS		Y	
b.										XX	
c.										XX	
d.											
15. Address Description for Materials Listed Above						16. Handling Codes for Wastes Listed in Item 11 G = Gallons Y = Gals					
15. Special Handling Instructions and Additional Information PAINTED... 8/24/93											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name CHIEF				Signature [Signature]				Date 11/24/92			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Paul M Powell				Signature [Signature]				Date 11/24/93			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Date			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name				Signature				Date			

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA (RCRA AND PCB WASTES)



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No. N/A		Manifest Document No. 10009	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address WALT R ARMY AIRCRAFT CENTER 1102 WEST HUNTER AVE PARKFIELD IL 62457				Location if Different		A. Illinois Manifest Document Number IL-227-111-10009	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*						B. Illinois Generator's ID 1111000922	
5. Transporter 1 Company Name TALMEY TRUCK SERVICE		6. US EPA ID Number N/A		C. Illinois Transporter's ID 1111000917		D. Transporter's Phone 618-241-1117	
7. Transporter 2 Company Name		8. US EPA ID Number		E. Illinois Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address DAVIS LABORATORY 1102 WEST HUNTER AVE PARKFIELD IL 62457				10. US EPA ID Number N/A		G. Illinois Facility's ID 1111000901	
						H. Facility's Phone 618-241-1117	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. LIQUID PAINT FILTERS - CLASS. 300				1		17 Y	
b.							
c.							
d.							
J. Additional Description for Materials Listed Above				K. Handling Codes for Waste in Item #14 G = Gallons Y = Cubic Yards			
15. Special Handling Instructions and Additional Information PASSED PAINT FILTER TEST 1/24/93							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name TIMOTHY J. HILL				Signature [Signature]		Date 11/24/92	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name John Hill				Signature [Signature]		Date 11/24/92	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name				Signature		Date	

GENERATOR

TRANSPORTER

FACILITY

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A	Manifest Document No. 0010	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address WALTER ARMY AIR SERVICE CENTER 301 W. L. LAMAR BLVD FAIRFIELD, IL 62824			Location If Different		A. Illinois Manifest Document Number IL 3975005
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS					B. Illinois Generator's ID
5. Transporter 1 Company Name FABRICE TOLK		6. US EPA ID Number N/A		C. Illinois Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Illinois Transporter's Phone	
9. Designated Facility Name and Site Address DAVIS LANDFILL #3 PO BOX 311 FAIRFIELD, IL 62824		10. US EPA ID Number N/A		E. Illinois Facility's ID	
				F. Illinois Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM CONTAMINATED SOIL NEW HAZARDOUS - CLASS III			001	00017	Y
b.					
c.					
d.					
J. Additional Description for Materials Listed Above			K. Handling Codes for Waste in Item #14 G = Gallons, Y = Cubic Yards		
15. Special Handling Instructions and Additional Information PASSED PAINT TEST Mallote 5/21/93					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name SHIRLEY		Signature <i>Shirley</i>		Date 12/24/93	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Don Blubauer		Signature <i>Don Blubauer</i>		Date 12/21/93	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.				Date	
Printed/Typed Name		Signature		Month Day Year	

GENERATOR

TRANSPORTER

FACILITY

This Agency is authorized to require, pursuant to Illinois Revised Statutes, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A	Manifest Document No. 1011	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address WALTER REAY REPAIR CENTER 11002 WEST L... EAST ST...		Location If Different		A. Illinois Manifest Document Number IL 3975801	IF APPLICABLE
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*		704-4... 111		B. Illinois Generator's ID	111-10111-1111
5. Transporter 1 Company Name PAUL M POWELL	6. US EPA ID Number	C. Illinois Transporter's ID		D. Transporter's Phone	111-1111-1111
7. Transporter 2 Company Name	8. US EPA ID Number	E. Illinois Transporter's ID		F. Transporter's Phone	111-1111-1111
9. Designated Facility Name and Site Address DAVID LINDSTILL #3 EAST ST...	10. US EPA ID Number N/A	G. Illinois Facility's ID		H. Facility's Phone	111-1111-1111
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PAINT IN... Hazardous Class 6.0				6000	Y
b.					
c.					
d.					
J. Additional Description for Materials Listed Above		K. Handling Codes for Waste in Item 11 3 Gallons = 11.7 Liters			
15. Special Handling Instructions and Additional Information PASSED PAINT FILTER TEST Dated 1/24/93					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Date	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name Paul M Powell		Signature Paul M Powell		Date 01/24/93	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Date	
				Month Day Year	

GENERATOR

TRANSPORTER

FACILITY

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA (RCRA AND PCB WASTES)



PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. V/A	Manifest Document No. 10012	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address WALTER ARMY RESERVE CENTER 10102 W. OF LINCOLN ROAD FAIRFIELD, IL 62627		Location If Different		A. Illinois Manifest Document Number IL 3975807	IF APPLICABLE
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS		6. US EPA ID Number V/A		B. Illinois Generator's ID	1910105021
5. Transporter 1 Company Name FARMER TRUCK SERVICE		8. US EPA ID Number		C. Illinois Transporter's ID	217
7. Transporter 2 Company Name		10. US EPA ID Number		D. Illinois Transporter's Phone	
9. Designated Facility Name and Site Address DAVIS LANDFILL #3 P.O. BOX 571 FAIRFIELD, IL 62627		10. US EPA ID Number V/A		E. Illinois Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	
a. TETRAETHYL AMMONIUM SULFATE LOW HAZARDOUS CLASS 20					XX
b.					XX
c.					
d.					
Additional Description for Materials Listed Above		Handling Codes for Wastes			
15. Special Handling Instructions and Additional Information PASSED LEAK FILTER TEST Shelton 8/24/53					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Date	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name John Allen		Signature		Date 8-24-53	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Date	

This Agency is authorized to require, pursuant to Illinois Revised Statutes, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA (RCRA AND PCB WASTES)



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A		Manifest Document No. 0013	2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address WALTON ARMY RESERVE CENTER 11002 WEST BRIDGEMAN ROAD FARMINGTON, IL 62501					Location If Different		A. Illinois Manifest Document Number IL 3973013	
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 1-457-7116							B. Illinois Generator's ID 1110101000000000	
5. Transporter 1 Company Name FARMER TRUCK			6. US EPA ID Number N/A		C. Illinois Transporter's ID 1110101000000000		D. Transporter's Phone 618-241-1116	
7. Transporter 2 Company Name			8. US EPA ID Number		E. Illinois Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address JAMES MADRILL'S P.O. BOX 791 FARMINGTON, IL 62501					10. US EPA ID Number N/A		G. Illinois Facility's ID 1110101000000000	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers No. Type		13. Total Quantity	
a. PETROLEUM CLEANING OILS N/A, HAZARDOUS CLASS 90					201 DT		000174	
b.								
c.								
d.								
15. Special Handling Instructions and Additional Information PASSED LEAK FILTER TEST R. Madrill 8/24/93					16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: FARMER TRUCK Signature: [Signature] Date: 8/24/93					18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: [Blank] Signature: [Blank] Date: [Blank]			
19. Discrepancy Indication Space					20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name: [Blank] Signature: [Signature] Date: [Blank]			

GENERATOR

TRANSPORTER

FACILITY

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A		Manifest Document No. 10014		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.			
3. Generator's Name and Mailing Address WALTON ARMY RESERVE CENTER 11002 WEST LEWISVILLE ROAD FAIRFIELD, IL 62824				Location if Different		A. Illinois Manifest Document Number IL 3375003 (if applicable)					
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* 1001-4						B. Illinois Generator's ID 1910105020					
5. Transporter 1 Company Name KAYNE TRUCK SERVICE		6. US EPA ID Number N/A				C. Illinois Transporter's ID 12511					
7. Transporter 2 Company Name		8. US EPA ID Number				D. Illinois Transporter's ID 12511					
9. Designated Facility Name and Site Address DAVIS LANDFILL PO BOX 211 FAIRFIELD, IL 62824		10. US EPA ID Number N/A				E. Illinois Facility's ID 113540003					
						F. Facility's Phone 618-231-4000					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. FIFTEEN CONTAMINATED SOIL REL HAZARDOUS CLASS 30						201 DT		20000		Y	
b.											
c.											
d.											
J. Additional Description for Materials Listed Above						K. Handling Codes for Waste in Item 11 G = Gallons					
15. Special Handling Instructions and Additional Information PASSED PAINT FILTER TEST SUCCESS 8/24/93											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name HIPLEY, HANV				Signature [Signature]				Date 11/24/93			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name PAUL M POWELL				Signature [Signature]				Date 11/24/93			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Date			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name				Signature				Date			

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA (RCRA AND PCB WASTES)

DISPOSAL TICKET

#

WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 8:43 AM Ticket: 026769
DL-333 SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: RON BLURBAUM Truck: 33

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVN 74800 TW 32060	21.37 TON	16.00	341.92
TOTAL TAXES & SURCHARGES			.00

Signature Ron Total \$341.92

DISPOSAL TICKET

#

WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 8:52 AM Ticket: 026770
DL-333 SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: PAUL POWELL Truck: 29

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVN 72740 TW 30560	21.08 TON	16.00	337.28
TOTAL TAXES & SURCHARGES			.00

Signature Paul Powell Total \$337.28

DISPOSAL TICKET

#13

WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 8:59 AM Ticket: 026771
DL-333
SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: JOHN ALLEN Truck: 28

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVW 75780 TW 34860	20.46 TON	16.00	327.36
TOTAL TAXES & SURCHARGES			.00

Signature John Allen Total \$327.36

DISPOSAL TICKET

#14

WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 9:37 AM Ticket: 026778
DL-333
SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: RON BLUBAUM Truck: 33

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVW 83660 TW 32000	25.83 TON	16.00	413.28
TOTAL TAXES & SURCHARGES			.00

Signature Ron Total \$413.28

DISPOSAL TICKET

#10

**WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY**
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 9:53 AM Ticket: 026780

DL-333
SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: PAUL POWELL Truck: 29

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES VM 77600 TW 30560	23.52 TON	16.00	376.32
TOTAL TAXES & SURCHARGES			.00

Signature Paul Powell Total \$376.32

DISPOSAL TICKET

#6

**WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY**
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 10:11 AM Ticket: 026784

DL-333
SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: JOHN ALLEN Truck: 28

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVN 78040 TW 34940	21.55 TON	16.00	344.80
TOTAL TAXES & SURCHARGES			.00

Signature John Allen Total \$344.80

DISPOSAL TICKET

#7

WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 10:33 AM Ticket: 026786
DL-333 SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: RON BLUBAUM Truck: 33

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVW 79120 TW 31940	23.55 TON	16.00	377.44
TOTAL TAXES & SURCHARGES			.00

Signature Ron Total \$377.44

DISPOSAL TICKET

#8

WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 11:08 AM Ticket: 026788
DL-333 SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: PAUL POWELL Truck: 33

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVW 70460 TW 30480	19.99 TON	16.00	319.84
TOTAL TAXES & SURCHARGES			.00

Signature Paul Powell Total \$319.84

DISPOSAL TICKET

9 //

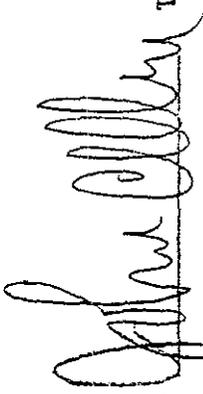
WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 11:17 AM Ticket: 026794
DL-333
SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: JOHN ALLEN Truck: 28

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVW 75420 TW 34850	20.28 TON	16.00	324.48

TOTAL TAXES & SURCHARGES .00

Signature  Total \$324.48

DISPOSAL TICKET

10

WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 11:35 AM Ticket: 026797
DL-333
SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: RON BLUBAUM Truck: 33

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVW 61220 TW 32020	24.60 TON	16.00	393.60

TOTAL TAXES & SURCHARGES .00

Signature  Total \$393.60

DISPOSAL TICKET

11

WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 12:02 PM Ticket: 026800
DL-333 SELECT REMEDIATION INC P.O.# CR1116
4700 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: PAUL POWELL Truck: 33

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVW 74920 TW 30400	22.26 TON	16.00	356.16
TOTAL TAXES & SURCHARGES			.00

Signature *Paul Powell* Total \$356.16

DISPOSAL TICKET

12

WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 12:52 PM Ticket: 026805
DL-333 SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: JOHN ALLEN Truck: 28

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVW 84980 TW 34780	25.10 TON	16.00	401.60
TOTAL TAXES & SURCHARGES			.00

Signature *John Allen* Total \$401.60

DISPOSAL TICKET

#13

**WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY**
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 1:32 PM Ticket: 026809
DL-333 SELECT REMEDIATION INC P.O.# CR1116
300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: RON BLUBAUM Truck: 33

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES VW 65840 TW 31740	17.05 TON	16.00	272.80
TOTAL TAXES & SURCHARGES			.00

Signature Ron Total \$272.80

DISPOSAL TICKET

#14

**WAYNE COUNTY REGIONAL LANDFILL
& RECYCLING FACILITY**
P.O. BOX 391
FAIRFIELD, IL. 62837
(618) 842-4294

Date: 8/24/93 1:39 PM Ticket: 026812
DL-333 SELECT REMEDIATION INC P.O.# CR1116
3300 EAST 83RD PLACE CONTAMINATED SOIL
MERRILLVILLE IN 46410 Source: WALTON ARMY RE

Driver: PAUL POWELL Truck: 29

Description	Quantity	Rate	Amount
SPECIAL TIPPING FEES GVW 53040 TW 30320	11.36 TON	16.00	181.76
TOTAL TAXES & SURCHARGES			.00

Signature Paul Powell Total \$181.76

September 20, 1993
Page Six

BACKFILL DOCUMENTATION

FFJ

#1

HARDIN COUNTY MATERIALS

AG LIME & CRUSHED STONE

MAIN OFFICE:
RT.1 & 13 INTERSECTION
JUNCTION, IL 62954
PH 272-3681

PLANT #1
CAVE-IN-ROCK, IL
PH. 289-3822

SOLD TO: Herman Tub Soc DATE 8/17 1993

ADDRESS Armore

TRUCKER Herman CASH CHARGE ON ACCOUNT

CA-1	CA-2	CA-3	CA-5	CA-6 <input checked="" type="checkbox"/>	CA-7	CA-9	CA-10
CA-11	CA-12	CA-14	CA-16	50 # RIP RAP	150 # RIP RAP	AG LIME	MISC.

GROSS 50000 WEIGHER hw
TARE 30700
NET 19300 @ _____ STONE \$ _____
@ _____ HAUL \$ _____

No. A073348 S.T. \$ _____
TOTAL \$ _____
REC'D BY Manley

Shelby Business Forms, Inc. 27879

HARDIN COUNTY MATERIALS

AG LIME & CRUSHED STONE

MAIN OFFICE:
RT.1 & 13 INTERSECTION
JUNCTION, IL 62954
PH. 272-3681

PLANT #1
CAVE-IN-ROCK, IL
PH. 289-3822

SOLD TO: Herman Tub Soc DATE 8/17 1993

ADDRESS Herman

TRUCKER Herman CASH CHARGE ON ACCOUNT

CA-1	CA-2	CA-3	CA-5	CA-6 <input checked="" type="checkbox"/>	CA-7	CA-9	CA-10
CA-11	CA-12	CA-14	CA-16	50 # RIP RAP	150 # RIP RAP	AG LIME	MISC.

GROSS 19600 WEIGHER hw
TARE 30700
NET 9900 @ _____ STONE \$ _____
@ _____ HAUL \$ _____

No. A073365 S.T. \$ _____
TOTAL \$ _____
REC'D BY Jeff

Shelby Business Forms, Inc. 27879

HARDIN COUNTY MATERIALS

AG LIME & CRUSHED STONE

MAIN OFFICE:
RT.1 & 13 INTERSECTION
JUNCTION, IL 62954
PH. 272-3681

PLANT #1
CAVE-IN-ROCK, IL
PH. 289-3822

SOLD TO: Herman Tub Soc DATE 8-17 1993

ADDRESS Armore

TRUCKER Herman CASH CHARGE ON ACCOUNT

CA-1	CA-2	CA-3	CA-5	CA-6 <input checked="" type="checkbox"/>	CA-7	CA-9	CA-10
CA-11	CA-12	CA-14	CA-16	50 # RIP RAP	150 # RIP RAP	AG LIME	MISC.

GROSS 83400 WEIGHER Don
TARE 31300
NET 52100 @ _____ STONE \$ _____
@ _____ HAUL \$ _____

No. A073344 S.T. \$ _____
TOTAL \$ _____
REC'D BY Havill

Shelby Business Forms, Inc. 27879

HARDIN COUNTY MATERIALS

AG LIME & CRUSHED STONE

MAIN OFFICE:
RT.1 & 13 INTERSECTION
JUNCTION, IL 62954
PH. 272-3681

PLANT #1
CAVE-IN-ROCK, IL
PH. 289-3822

SOLD TO: Herman Tub Soc DATE 8/17 1993

ADDRESS Herman

TRUCKER Herman CASH CHARGE ON ACCOUNT

CA-1	CA-2	CA-3	CA-5	CA-6 <input checked="" type="checkbox"/>	CA-7	CA-9	CA-10
CA-11	CA-12	CA-14	CA-16	50 # RIP RAP	150 # RIP RAP	AG LIME	MISC.

GROSS 79900 WEIGHER hw
TARE 31300
NET 48600 @ _____ STONE \$ _____
@ _____ HAUL \$ _____

No. A073364 S.T. \$ _____
TOTAL \$ _____
REC'D BY Harold

Shelby Business Forms, Inc. 27879

#6

#5

HARDIN COUNTY MATERIALS

AG LIME & CRUSHED STONE

HARDIN COUNTY MATERIALS

AG LIME & CRUSHED STONE

MAIN OFFICE:
RT.1 & 13 INTERSECTION
JUNCTION, IL 62954
PH. 272-3681

PLANT #1
CAVE-IN-ROCK, IL
PH. 289-3822

MAIN OFFICE:
RT.1 & 13 INTERSECTION
JUNCTION, IL 62954
PH. 272-3681

PLANT #1
CAVE-IN-ROCK, IL
PH. 289-3822

SOLD TO: Harman T & S Inc DATE 8/17 1993

SOLD TO: Harman T & S Inc DATE 8/17 1993

ADDRESS

ADDRESS

TRUCKER		CASH	CHARGE	ON ACCOUNT
<u>Harman</u>			<input checked="" type="checkbox"/>	
CA-1	CA-2	CA-5	CA-6	CA-7
<u>Harman</u>			<input checked="" type="checkbox"/>	
CA-11	CA-13	CA-14	CA-16	MISC.
		50 #	150 #	
		RIP RAP	RIP RAP	AG LIME

TRUCKER		CASH	CHARGE	ON ACCOUNT
<u>Harman</u>			<input checked="" type="checkbox"/>	
CA-1	CA-2	CA-5	CA-6	CA-7
<u>Harman</u>			<input checked="" type="checkbox"/>	
CA-11	CA-13	CA-14	CA-16	MISC.
		50 #	150 #	
		RIP RAP	RIP RAP	AG LIME

GROSS 72500 WEIGHER du

GROSS 78300 WEIGHER du

TARE 30200

TARE 30700

NET 42300 @ _____ STONE \$ _____

NET 47600 @ _____ STONE \$ _____

@ _____ HAUL \$ _____

@ _____ HAUL \$ _____

S.T. \$ _____

S.T. \$ _____

No. A073370 TOTAL \$ _____

No. A073368 TOTAL \$ _____

REC'D BY: [Signature]
Shelby Business Forms, Inc. 27879

REC'D BY: [Signature]
Shelby Business Forms, Inc. 27879

AG LIME & CRUSHED STONE

AG LIME & CRUSHED STONE

MAIN OFFICE:
RT.1 & 13 INTERSECTION
JUNCTION, IL 62954
PH. 272-3681

PLANT #1
CAVE-IN-ROCK, IL
PH. 289-3822

MAIN OFFICE:
RT.1 & 13 INTERSECTION
JUNCTION, IL 62954
PH. 272-3681

PLANT #1
CAVE-IN-ROCK, IL
PH. 289-3822

SOLD TO: Harman T & S Inc DATE 8/17 1993

SOLD TO: Harman T & S Inc DATE 8/17 1993

ADDRESS

ADDRESS

TRUCKER		CASH	CHARGE	ON ACCOUNT
<u>Carbrough Farm</u>			<input checked="" type="checkbox"/>	
CA-1	CA-2	CA-3	CA-5	CA-6
<u>Carbrough</u>			<input checked="" type="checkbox"/>	
CA-11	CA-13	CA-14	CA-16	MISC.
		50 #	150 #	
		RIP RAP	RIP RAP	AG LIME

TRUCKER		CASH	CHARGE	ON ACCOUNT
<u>Carbrough Farm</u>			<input checked="" type="checkbox"/>	
CA-1	CA-2	CA-3	CA-5	CA-6
<u>Carbrough</u>			<input checked="" type="checkbox"/>	
CA-11	CA-13	CA-14	CA-16	MISC.
		50 #	150 #	
		RIP RAP	RIP RAP	AG LIME

GROSS 80500 WEIGHER du

GROSS 81200 WEIGHER du

TARE 28200

TARE 28200

NET 52300 @ _____ STONE \$ _____

NET 53000 @ _____ STONE \$ _____

@ _____ HAUL \$ _____

@ _____ HAUL \$ _____

S.T. \$ _____

S.T. \$ _____

No. A073371 TOTAL \$ _____

No. A073352 TOTAL \$ _____

REC'D BY: [Signature]
Shelby Business Forms, Inc. 27879

REC'D BY: [Signature]
Shelby Business Forms, Inc. 27879

#9

HARDIN COUNTY MATERIALS

AG LIME & CRUSHED STONE

MAIN OFFICE:
RT.1 & 13 INTERSECTION
JUNCTION, IL 62954
PH. 272-3681

PLANT #1
CAVE-IN-ROCK, IL
PH. 289-3822

SOLD TO *Hammer Mill Inc* DATE 8/17 1993

ADDRESS _____

TRUCKER _____ CASH _____ CHARGE _____ ON ACCOUNT _____

CA-1	CA-2	CA-3	CA-4	CA-5	CA-6	CA-7	CA-8	CA-9	CA-10
<i>Quarry</i>									
CA-1	CA-2	CA-3	CA-4	CA-5	CA-6	CA-7	CA-8	CA-9	CA-10
				2.50 #	2.50 #	2.50 #	2.50 #	2.50 #	MISC

GROSS 13300 WEIGHER *AW*

TARE 2500

NET 9830 @ _____ STONE \$ _____

@ _____ HAUL \$ _____

No. A073377 S.T. \$ _____

TOTAL \$ _____

REC'D BY *Garrett*

Shelby Business Forms, Inc.

27879

September 20, 1993
Page Seven

PERMIT TO REMOVE



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, Illinois 62703-4259

FOR OFFICE USE ONLY

Facility # _____

Permit # _____

Application for Permit to REMOVE
 Underground Storage Tanks for Petroleum and Hazardous Substances

To be completed and filed with the Division of Petroleum and Chemical Safety, 1035 Stevenson Drive, Springfield Illinois 62703-4259 (217/785-5878) or (217/785-1020)

1) (Owner of tanks) - Corporation, partnership or other business entity: (Must Be Mailing Address)

SSG RF WALTON ARMY RESERVE CENTER
 Name

101002 W. LEININGER RD
 Street Address

FAIRFIELD IL 62837
 City State Zip

PATRICIA SCARBROUGH 68/842-2101
 Contact Person Phone

2) (Facility) - name and address where tanks are located

SSG RF WALTON ARMY RESERVE CENTER
 Name

101002 W. LEININGER RD
 Street Address

FAIRFIELD IL 62837 ANSONY
 City State Zip County

PATRICIA SCARBROUGH 68/842-2101
 Contact Person Phone

3) (Contractor) - person, firm or company performing work:

SELECT REMEDIATION INC
 Name

3300 E. 83RD PLACE
 Street Address

MERRILLVILLE IN 41641 LAKE
 City State Zip County

219/942-6200 363-74-3657
 Phone Registration No.

Facility Registration I.D. Number

17870

You must notify ESDA 1-800-782-7860 within 24 hours of leaks or contaminated soil. Removal must be in accordance with acceptable closure requirements and procedure such as API Bulletin 1604. A site assessment must be conducted to determine if a release has occurred.

FOR OFFICE USE ONLY

Township
Wayne
Big Mound
Call base
Section #1

4) Removal of Tanks:

a) Number and size of tanks being removed: 1-2000 GALLON FUEL OIL TANK 1-550 GALL FUEL O

b) Total number of all tanks removed: 2

c) Reason for removal of tanks: ABANDONED

d) If tank is leaking, give ESDA incident number: N/A

e) What products were stored in each tank? #2 FUEL OIL

f) If tanks contain products other than petroleum products, please indicate here: SAND

g) Date each tank was last used? UNKNOWN

h) A written notice of removal of tanks shall be given to the Office of the State Fire Marshal at least 30 days prior to the removal, giving location, number and size of tanks. This application will constitute that day written notice. The 30 day period commences with this application appropriately completed and the received in our office.

- 5) Insufficient information supplied for permit review or omission of permit fee is grounds for applica rejection. No work is to commence without a granted permit in hand and must be available upon request inspectors. All work must be done by contractors registered with the State Fire Marshal's Office or by the owner only.
- 6) A permit fee of \$100 for each facility must accompany this application. (Checks or money orders are to be ma payable to Office of the State Fire Marshal, do not send cash.) Check Money Order
- 7) For each facility, [REDACTED] - Notification of Underground Storage Tanks must be completed and submitte the Office of the State Fire Marshal after tanks are removed.

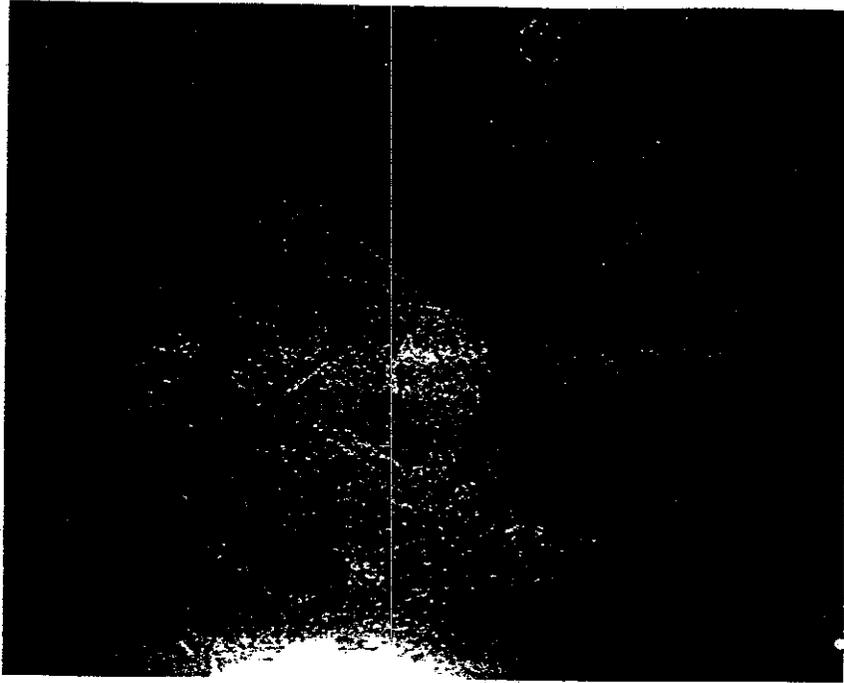
I certify under penalty of law that I have personally examined and am familiar with the information submitted in and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtai the information, I believe that all submitted information is true, accurate and complete.

Name of Authorized Representative: PETER GALLATI Title and Company Represented: _____
PROJECT MANAGER - SELECT REMEDIATION, INC

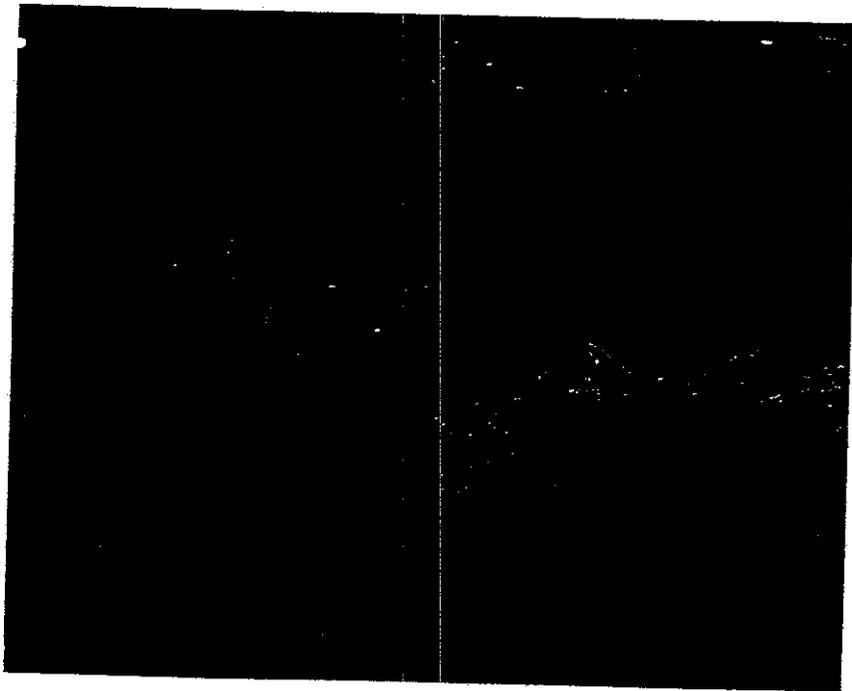
Signature of Authorized Representative: Peter G. Gallati Date: 5/10/93
 Date: _____

The Office of the State Fire Marshal is requesting information that is necessary to accomplish the statutory purpos outlined in Illinois Revised Statutes, Chapter 127, Paragraph 9. Disclosure of this information is REQUIRED. FAT to provide any information will result in this form not being processed. This form has been approved by F Management Center. (Rev. 04/92) #3352

For Office Use
 DPCS Specialist
 Fire Department
 Division File
 Dale Tanke
 Office Associate

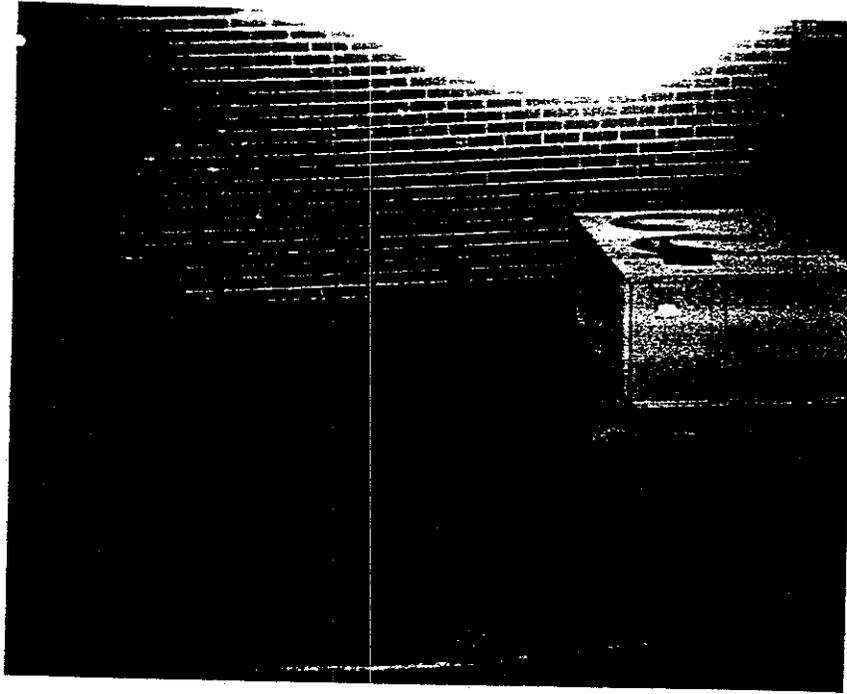


2000 GALLON TANK RELEASING
WATER & FUEL OIL
(1)



FUEL OIL & WATER
(2)

(2)



GAS LINE & AIRCONDITIONER
IN PERIL OF COLLAPSE
(3)

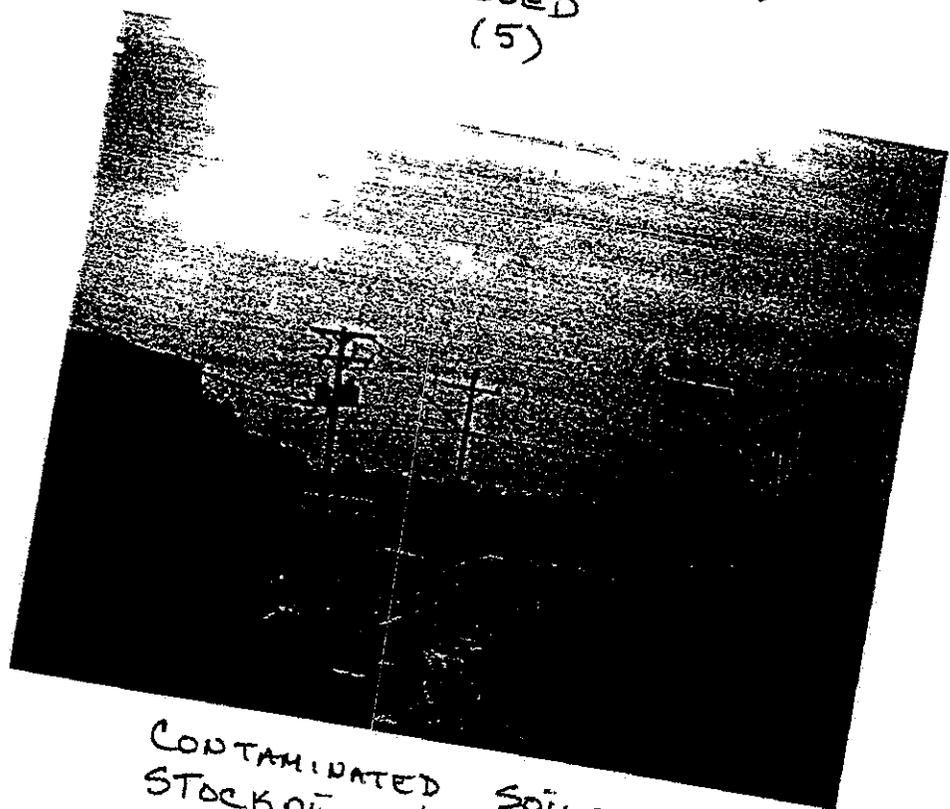


MOVING AIR CONDITIONER
(4)

(3)

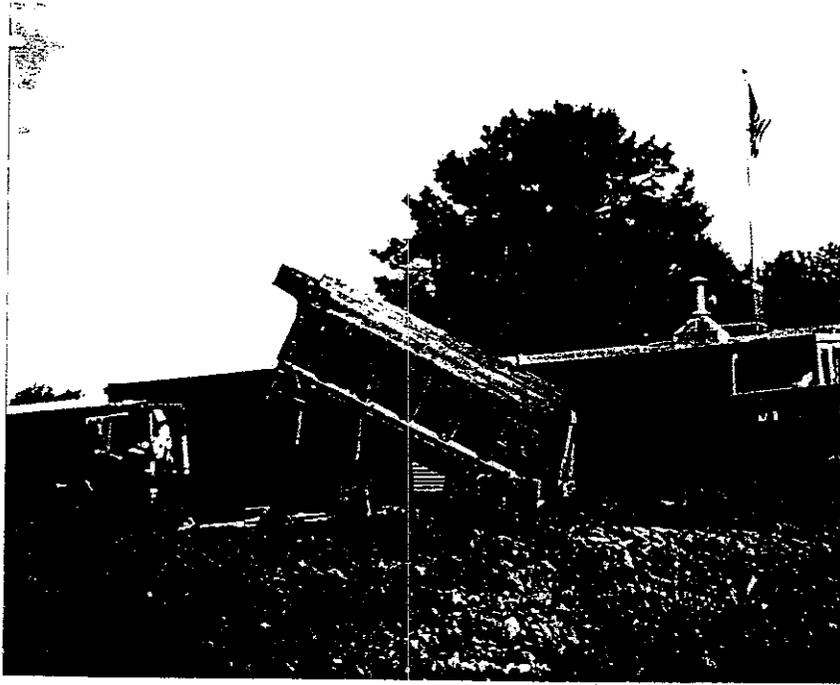


2000 GALLON TANKS
REMOVED
(5)

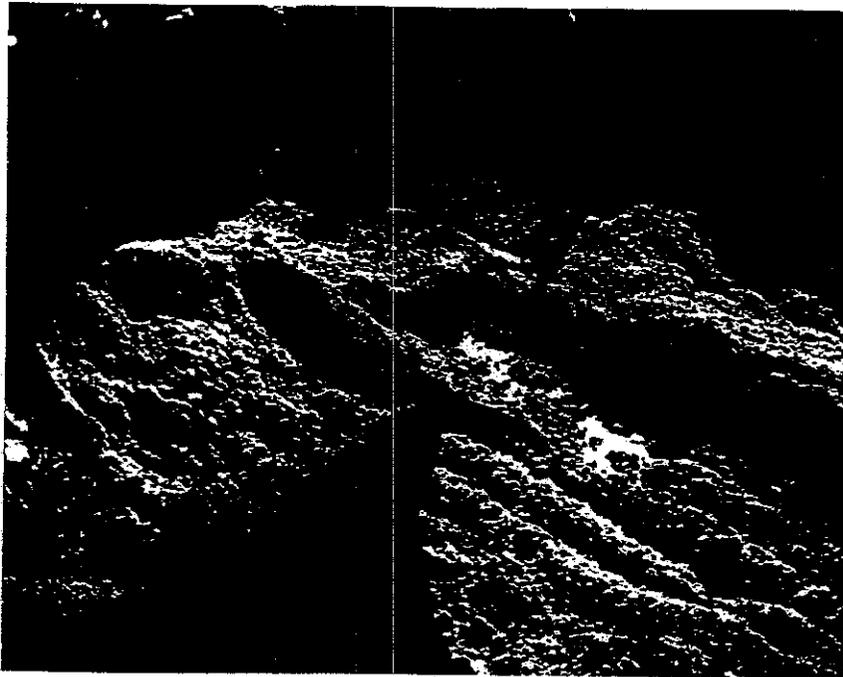


CONTAMINATED SOILS
STOCKPILED & SECURED
(6)

(4)

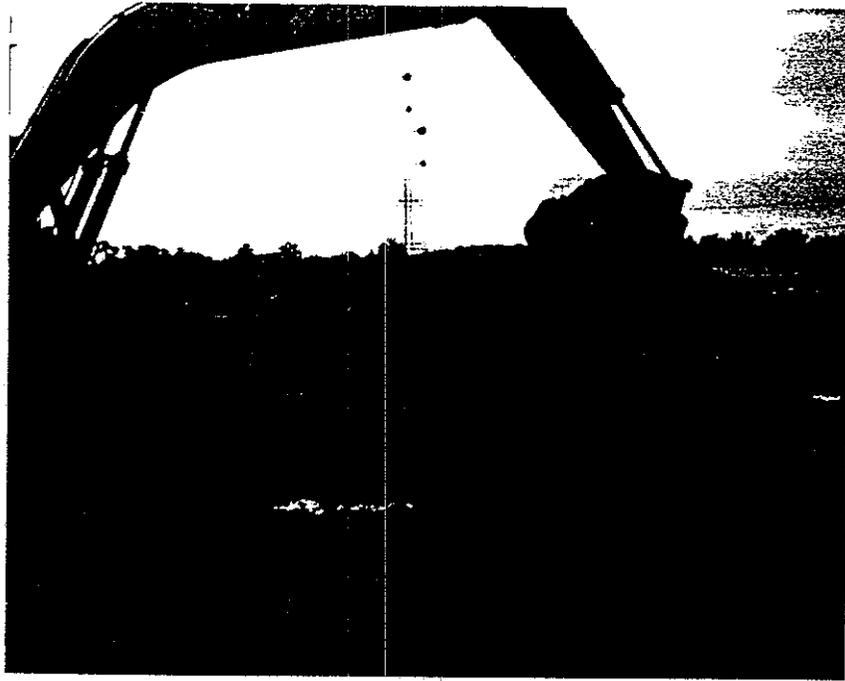


DUMPING SAWDUST
FOR WATER SOLIDIFICATION
(7)



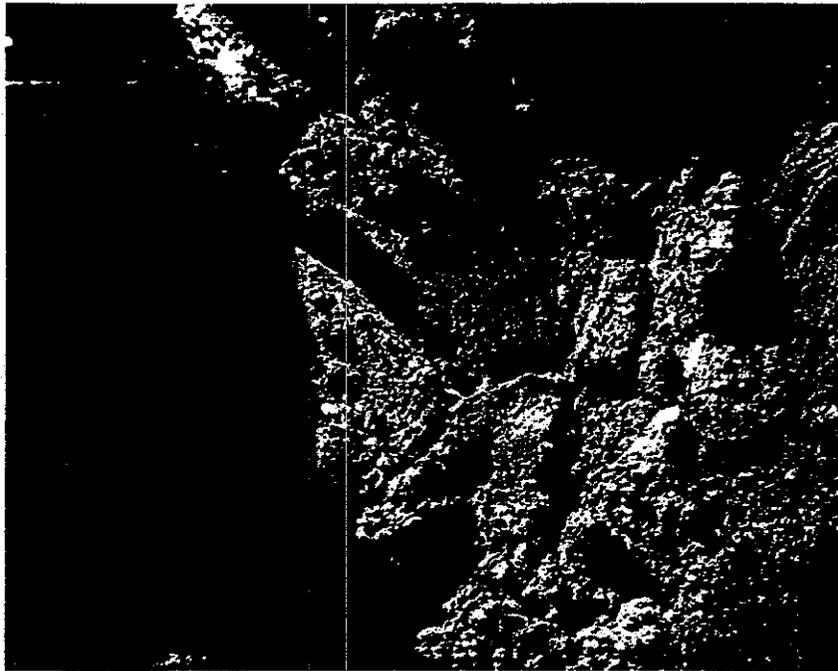
MIXING OF SAWDUST
(8)

(5)



STOCKPILING SOLIDIFIED
MATERIAL

(9)



REMOVING CONCRETE
PAD

(10)

(6)



CLEARED OUT &
SAMPLED EXCAVATION
(11)



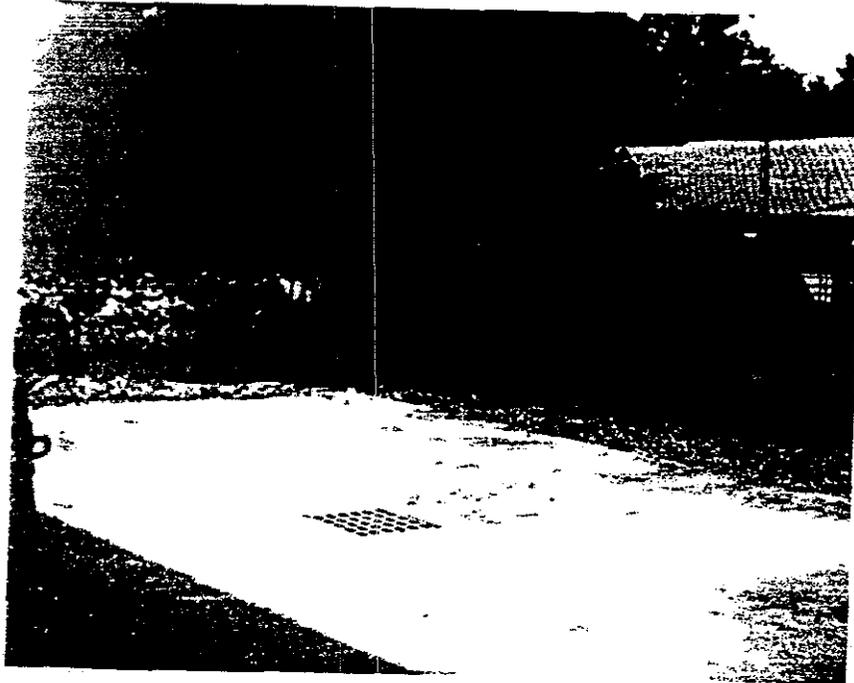
BACKFILLING CLEAN
EXCAVATION WITH C&G
(12)

(7)



AREA BACKFILLED
- STILL IN NEED OF TOPSOIL

(13)



550 GALLON TANK AREA
SEEDED, FERTILIZED AND MULCHED

15

Select Environmental East, Inc.

330 East 83rd Place

Indianapolis, IN 46410

(219) 942-8100

(219) 942-3017 FAX



SELECT
ENVIRONMENTAL EAST

September 17, 1993

Underground Storage Tank

Project Summary

Submitted

To

Mosely Construction

For

Wilson Army Reserve Center

Located in

Marion, Illinois

Presented

By

Select Remediation Incorporated

RECEIVED

NOV 6 1993

IEPA/DLPC

September 17, 1993

Page Two

TABLE OF CONTENTS

PROJECT OVERVIEW

APPENDIX

- 1) ANALYTICAL RESULTS
- 2) DISPOSAL DOCUMENTATION
- 3) CERTIFIED PAYROLL REPORTS
- 4) BACKFILL DOCUMENTATION
- 5) SITE PHOTOS
- 6) PERMIT TO REMOVE

September 17, 1993

Page Three

PROJECT OVERVIEW

September 17, 1993

Page Four

On July 6, 1993, Select Remediation was contracted to remove (1) one 10,000 gallon heating oil tank at the Wilson Army Reserve Center, located in Marion, Illinois.

Upon receipt of the State Permit to remove, given by The Office of the State of Illinois Fire Marshall, Select Remediation scheduled the date for tank removal on July 14, 1993.

Prior to site mobilization, utility companies had been notified to mark off any underground utilities near the tank area to be excavated.

On July 13, 1993 Select personal mobilized to the site. Once on site Peter Gallati met with Roy McClendon, of Mosely Construction, and Gary Kimbro, of The Wilson Army Reserve Center.

Prior to site activity, Peter Gallati held a short safety meeting to ensure proper safety regulations would be met.

Site personal included, Peter Gallati, James Pelegrino, and Tom Freeman.

Select personal began excavating to expose the tank for proper draining and vapor purging of the interior. After exposing approximately half of the tank, digging ceased.

A (1) one inch diaphragm pump was used to pump out approximately (1) one fifty five gallon drum of reusable fuel oil. This drum was disposed of the following day for recycling.

During the tank pumping all tank lines were flushed, cut at excavation perimeters, and capped.

After pumping completion, the tank was rendered vapor free by the use of a grounded air compressor.

Excavation then commenced again to expose the entire tank.

Upon complete tank exposure, work ceased and the site was secured for the day.

On July 14, 1993 Select mobilized on site to await State Fire Marshall, Tom Erin. Mr. Erin arrived on site at approximately 9:00 am and authorized tank removal. Prior to removal, a layer of 6 mil poly was placed on the asphalt to set the tank on.

September 17, 1993
Page Five

Upon tank removal, two 36"x 36" holes were " cold cut " on the tank ends. This renders the tank non reusable and meets the State requirements.

Select personal then donned Personal Protective Equipment to enter the tank and powerwash its interior.

Once the tank was cleaned, approximately 1-55 gallon drum was filled with rinsate, to be disposed of at a later date.

Bost trucking arrived on site to pick up the tank for scrap metal disposal.

The tank was loaded, along with associated piping secured and disposed of.

The concrete turned out to be larger and thicker than anticipated and another track hoe with breaker was ordered.

Four composite soil samples were collected from the tank excavation walls to be analyzed for, BTEX and PNA's.

These samples were picked up by Shirley Ireland of Ireland Laboratory.

The site was secured for the evening.

On July 15, 1993, Select mobilized on site to await the track hoe with breaker.

Due to the leasor the breaker did not arrive until 4:00 pm that afternoon.

Project Manager, Peter Gallati, decided to wait until morning to remove the concrete and the site was secured.

The next morning we arrived on site to see that there was about (3) three feet of water in the excavation due to an overnight storm.

We began breaking concrete and loading material.

The concrete pad was removed by 10:00 am . A composite floor soil sample, along with a water sample was then collected.

Due to the rain, it was decided to backfill with CA6 gravel to meet compaction requirements, as the backfill soils were saturated.

The area was backfilled within 12" of the surface and compacted.

The area was left exposed to let the electrician repair the alarm wiring on July 17, 1993.

On July 19, 1993 Select personal re-mobilized on site to backfill the remaining void with top soil.

At 11:00 am the equipment was loaded and de-mobilized from the site.

The area has since been landscaped and three sections of concrete sidewalk replaced.

September 17, 1993
Page Six

ANALYTICAL REPORTS



Select Remediation, Inc.

3300 East 83rd Place
Merrillville, IN 46410
(219) 942-6200
(219) 942-3017 FAX

CHAIN-OF-CUSTODY RECORD

RECEIVING ENTITY: Wesland Laboratories
ENTITY CONTACT/PHONE: Shirley - 618/524-4115

NO. 1022

CHAIN-OF-CUSTODY

PROJECT MANAGER: R. Grallat

SELECT PHONE

Name of Client		Project Name, City, State		Parameters		Project #	
<u>Moseley Const.</u>		<u>Wilson Army Reserve Center Merrion, Illinois</u>		<u>BTX (982)</u>		<u>CR029A</u>	
Item Number	Date	Time	Sample Number	Number & Size of Containers	Description	Transfer #	
1	7/14	1600	A-1	2-4oz jars	10K tank excavation soil - North Wall - Grab	1	
2	7/14	1600	A-2	2-4oz jars	East Wall - Grab	2	
3	7/14	1600	A-3	2-4oz jars	South Wall - Grab	3	
4	7/14	1600	A-4	2-4oz jars	West Wall - Grab	4	
5	7/14		A-5	2-4oz jars	South floor - Grab		
6	7/14		A-6	2-4oz jars	North floor - Grab		
Trans. #	Item #	Sample Relinquished By	Accepted By	Date	Time	TOTALS	
1	5-6	<u>Peter M. Helt</u>	<u>Shirley</u>	7/14/83		Send hard copy & QA/QC data results to QA/QC Co.ordinator at <u>Wesland</u>	
2						Project <u>CR029A</u>	
3						Transfer # <u>1 2 3 4</u>	
4						Special Instructions: (use back of form if necessary - attach photocopies to other pages)	
<u>Peter M. Helt</u>		<u>Select</u>	<u>7/14/83</u>	<u>7/14/83</u>	<u>205⁰⁰</u>	<u>per sample</u>	
<u>Shirley</u>						<u>floor samples to follow 7/15</u>	

Please fax Results to Peter Grallat when available



Select Remediation, Inc.

3300 East 83rd Place
Merrillville, IN 46410
(219) 942-6200
(219) 942-3017 FAX

CHAIN-OF-CUSTODY RECORD

RECEIVING ENTITY Shirley K. Hartman
ENTITY CONTACT/PHONE Shirley (618) 524-4115

No. 1023

CHAIN-OF-CUSTODY

PROJECT MANAGER Al Bell
SELECT PHONE _____

Name of Client		Project Name, City, State		Parameters		Project #	
<u>Wosley Const</u>		<u>Wilson Army Reserve Marion, Illinois</u>		<u>PLH's</u>		<u>1023</u>	
Item Number	Date	Time	Sample Number	Number & Size of Containers	Description	Trans. #	Transfer #
1	7/16	10:00 AM	A-5	2-4oz jars	South Floor Soil grab	X	1
2	7/16	10:00	A-6	2-4oz jars	North Floor Soil grab	X	2
3	7/16	10:10 AM	A-7	1-3oz jar 1-4oz jar	excess water grab	X	3
TOTALS						9	3
Person Responsible for Samples						Send hard copy & QA/QC data results to QA/QC Coordinator at Remediation	
<u>Shirley K. Hartman</u>		<u>Shirley K. Hartman</u>		<u>Shirley K. Hartman</u>		<u>Shirley K. Hartman</u>	
Date		Date		Date		Date	
<u>7/16/03</u>		<u>7/16/03</u>		<u>7/16/03</u>		<u>7/16/03</u>	
Affiliation		Affiliation		Affiliation		Affiliation	
<u>SRI</u>		<u>SRI</u>		<u>SRI</u>		<u>SRI</u>	
Please see results to Pete Galletta 219-942-3017							

Lab # 793321

SPECIALIZED ASSAYS
ENVIRONMENTAL

C-57U
02

REFERRING CLIENT

Account: 5258
Ireland Laboratories
Shirley Ireland
Route 4 - Box 282A
Metropolis, IL 62960
Ph: 618-524-4115 Fax: 618-524-3999



300 12th Ave., South
Nashville, TN 37203
615-726-0177
FAX 615-726-3404

CELLING CONTROL NUMBER (FOR LAB USE ONLY)

73-042281

PROJECT #

~~793321~~ 793321

P.O. #

AMPLERS (Signature)

PROJECT NAME

Wilson Army Reserve Ctr.

FOR LAB USE ONLY ACC #	SAMPLE DESCRIPTION	DATE	TIME	COMP	GRAB	REPORT	ANALYSIS REQUESTED
381371	A-5	7/16			X		PNA 8310 211. D. L.
381372	A-6	7/16			X		
881373	A-7	7/16			X		✓
881716							

Relinquished by: (Signature)

[Signature]

Date / Time

7/20/93 130

Date / Time

Received by: (Signature)

[Signature]

Received by: (Signature)

Received for Laboratory by:

[Signature]

Date / Time

7/20/93 130

Remarks

Fax results to 618-524-3999

Relinquished by: (Signature)

Date / Time

Received by: (Signature)

Relinquished by: (Signature)

Date / Time

Received by: (Signature)



Rt. 4, Box 282A
Metropolis, IL 62960
(618) 524-4115

Full Service Environmental Testing Facility for Earth, Water and Air Analysis

CLIENT: Select Remediation, Inc. PROJECT NAME: Wilson Army Reserve Center

ADDRESS: 3300 East 83rd Place PROJECT LOCATION: Marion, Illinois
Merrillville, IN 46410

PHONE: (219) 942-6200

ANALYSIS & PROTOCOL NUMBER: SW846 Protocol 8020 BTEX Analysis

DETECTION LIMIT: 2 ppb

SAMPLE MATRIX: Soil

SAMPLE ID:	A-1	A-2	A-3	A-4
LABORATORY ID:	793321-1	793321-2	793321-3	793321-4
DATE COLLECTED:	7/14/93	7/14/93	7/14/93	7/14/93
DATE RECEIVED:	7/14/93	7/14/93	7/14/93	7/14/93
DATE REPORTED:	7/16/93	7/16/93	7/16/93	7/16/93

UNITS: ppb

RESULTS:

BENZENE	< 2 ppb	< 2 ppb	< 2 ppb	< 2 ppb
TOLUENE	< 2 ppb	< 2 ppb	< 2 ppb	< 2 ppb
ETHYLBENZENE	< 2 ppb	< 2 ppb	< 2 ppb	< 2 ppb
XYLENES	< 2 ppb	< 2 ppb	< 2 ppb	< 2 ppb
% Recovery a a a Trifluorotoluene	97.70%	95.98%	90.06%	105.38%

Data Generator SI SI SI SI

Shirley Ireland, Laboratory Manager



Rt. 4, Box 282A
Metropolis, IL 62960
(618) 524-4115

Full Service Environmental Testing Facility for Earth, Water, and Air Analysis

CLIENT: Select Remediation, Inc. PROJECT NAME: Wilson Army Reserve Center
ADDRESS: 3300 East 83rd Place PROJECT LOCATION: Marion, Illinois
Merrillville, IN 46410
PHONE: (219) 942-6200

ANALYSIS & PROTOCOL NUMBER: SW846 Protocol 8020 BTEX Analysis

DETECTION LIMIT: 2 ppb

SAMPLE MATRIX: Soil

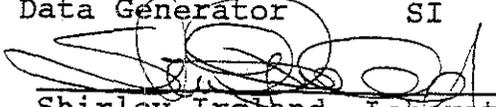
SAMPLE ID:	A-5	A-6
LABORATORY ID:	793321-5	793321-6
DATE COLLECTED:	7/16/93	7/16/93
DATE RECEIVED:	7/16/93	7/16/93
DATE REPORTED:	7/20/93	7/20/93

UNITS: ppb

RESULTS:

BENZENE	< 2 ppb	< 2 ppb
TOLUENE	< 2 ppb	< 2 ppb
ETHYLBENZENE	< 2 ppb	< 2 ppb
XYLENES	< 2 ppb	< 2 ppb
% Recovery a a a Trifluorotoluene	90.28%	102.56%

Data Generator SI SI


Shirley Ireland, Laboratory Manager



Ireland
Laboratories

Rt. 4, Box 282A
Metropolis, IL 62960
(618) 524-4115

Full Service Environmental Testing Facility for Earth, Water, and Air Analysis

CLIENT: Select Remediation, Inc. PROJECT NAME: Wilson Army Reserve
Center

ADDRESS: 3300 East 83rd Place PROJECT LOCATION: Marion, Illinois
Merrillville, IN 46410

PHONE: (219) 942-6200

ANALYSIS & PROTOCOL NUMBER: SW846 Protocol 8020 BTEX Analysis

DETECTION LIMIT: 2 ppb

SAMPLE MATRIX: Soil

SAMPLE ID: A-7
LABORATORY ID: 793321-7
DATE COLLECTED: 7/16/93
DATE RECEIVED: 7/16/93
DATE REPORTED: 7/20/93

UNITS: ppb

RESULTS:

BENZENE < 2 ppb
TOLUENE < 2 ppb
ETHYLBENZENE < 2 ppb
XYLENES < 2 ppb

Data Generator SI


Shirley Ireland, Laboratory Manager



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	793321 WILSON A.R.C. A-1	Accession	93 880998
Collection Date	07/14/93	Time	00:00
Received		Reported	07/16/93
Referring Client	SHIRLEY IRELAND	Client ID	793321
		Reported	07/21/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/19/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.005	PPM	
ACENAPHTHYLENE	<0.005	PPM	
ANTHRACENE	<0.005	PPM	
BENZO(A)ANTHRACENE	<0.0005	PPM	
BENZO(A)PYRENE	<0.0005	PPM	
BENZO(B)FLUORANTHENE	<0.0005	PPM	
BENZO(GHI)PERYLENE	<0.0005	PPM	
BENZO(K)FLUORANTHENE	<0.0005	PPM	
CHRYSENE	<0.0005	PPM	
FLUORANTHENE	<0.0005	PPM	
FLUORENE	<0.005	PPM	
NAPHTHALENE	<0.005	PPM	
PHENANTHRENE	<0.005	PPM	
PYRENE	<0.005	PPM	
INDENO(1,2,3-CD)PYR	<0.005	PPM	
DIBENZ(A,H)ANTHRACEN	<0.005	PPM	

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

IL 62960

5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	793321 WILSON A.R.C. A-2	Accession	93 880999
Collection Date	07/14/93	Time	00:00
Referring Client	SHIRLEY IRELAND	Client ID	793321
		Reported	07/21/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/19/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.005	PPM	
ACENAPHTHYLENE	<0.005	PPM	
ANTHRACENE	<0.005	PPM	
BENZO(A)ANTHRACENE	<0.0005	PPM	
BENZO(A)PYRENE	<0.0005	PPM	
BENZO(B)FLUORANTHENE	<0.0005	PPM	
BENZO(GHI)PERYLENE	<0.0005	PPM	
BENZO(K)FLUORANTHENE	<0.0005	PPM	
CHRYSENE	<0.0005	PPM	
FLUORANTHENE	<0.0005	PPM	
FLUORENE	<0.005	PPM	
NAPHTHALENE	<0.005	PPM	
PHENANTHRENE	<0.005	PPM	
PYRENE	<0.0005	PPM	
INDENO(1,2,3-CD)PYR	<0.0005	PPM	
DIBENZ(A,H)ANTHRACEN	<0.0005	PPM	

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

IL 62960

5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

500 12th Avenue South
Nashville, Tennessee 37203

Sample		Accessio
793321 WILSON A.R.C. A-3		93 881000
Collection Date	Time	Received
07/14/93	00:00	07/16/93
Referring Client	Client ID	Reported
SHIRLEY IRELAND	793321	07/21/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/19/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.005	PPM	
ACENAPHTHYLENE	<0.005	PPM	
ANTHRACENE	<0.005	PPM	
BENZO(A)ANTHRACENE	<0.0005	PPM	
BENZO(A)PYRENE	<0.0005	PPM	
BENZO(B)FLUORANTHENE	<0.0005	PPM	
BENZO(GHÍ)PERYLENE	<0.0005	PPM	
BENZO(K)FLUORANTHENE	<0.0005	PPM	
CHRYSENE	<0.0005	PPM	
FLUORANTHENE	<0.0005	PPM	
FLUORENE	<0.005	PPM	
NAPHTHALENE	<0.005	PPM	
PHENANTHRENE	<0.005	PPM	
PYRENE	<0.0005	PPM	
INDENO(1,2,3-CD)PYR	<0.0005	PPM	
DIBENZ(A,H)ANTHRACEN	<0.0005	PPM	

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

IL 62960

5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	Accession	
793321 WILSON A.R.C. A-4	93 881001	
Collection Date	Time	Received
07/14/93	00:00	07/16/93
Referring Client	Client ID	Reported
SHIRLEY IRELAND	793321	07/21/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/19/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.005	PPM	
ACENAPHTHYLENE	<0.005	PPM	
ANTHRACENE	<0.005	PPM	
BENZO(A)ANTHRACENE	<0.0005	PPM	
BENZO(A)PYRENE	<0.0005	PPM	
BENZO(B)FLUORANTHENE	<0.0005	PPM	
BENZO(GHI)PERYLENE	<0.0005	PPM	
BENZO(K)FLUORANTHENE	<0.0005	PPM	
CHRYSENE	<0.0005	PPM	
FLUORANTHENE	<0.0005	PPM	
FLUORENE	<0.005	PPM	
NAPHTHALENE	<0.005	PPM	
PHENANTHRENE	<0.005	PPM	
PYRENE	<0.0005	PPM	
INDENO(1,2,3-CD)PYR	<0.0005	PPM	
DIBENZ(A,H)ANTHRACEN	<0.0005	PPM	

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

IL 62960

5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	Accession	
793321 A-5	93 881371	
Collection Date	Time	Received
07/16/93	00:00	07/20/93
Referring Client	Client ID	Reported
SHIRLEY IRELAND	793321	07/26/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/21/93		
POLYAROMATIC HYDROC METHOD NUMBER	8310		
ACENAPHTHENE	0.130	PPM	
ACENAPHTHYLENE	<0.07	PPM	
ANTHRACENE	<0.07	PPM	
BENZO(A)ANTHRACENE	<0.007	PPM	
BENZO(A)PYRENE	0.035	PPM	
BENZO(B)FLUORANTHENE	0.042	PPM	
BENZO(GHI)PERYLENE	<0.02	PPM	
BENZO(K)FLUORANTHENE	0.020	PPM	
CHRYSENE	0.090	PPM	
FLUORANTHENE	<0.007	PPM	
FLUORENE	<0.07	PPM	
NAPHTHALENE	<0.07	PPM	
PHENANTHRENE	<0.07	PPM	
PYRENE	0.350	PPM	
INDENO(1,2,3-CD)PYR	<0.007	PPM	
DIBENZ(A,H)ANTHRACEN	0.033	PPM	

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

IL 62960

5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample	Accession	
793321 A-6	93 881372	
Collection Date	Time	Received
07/16/93	00:00	07/20/93
Referring Client	Client ID	Reported
SHIRLEY IRELAND	793321	07/26/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510	7/21/93		
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.07	PPM	
ACENAPHTHYLENE	<0.07	PPM	
ANTHRACENE	<0.07	PPM	
BENZO(A)ANTHRACENE	<0.007	PPM	
BENZO(A)PYRENE	<0.007	PPM	
BENZO(B)FLUORANTHENE	0.008	PPM	
BENZO(GHI)PERYLENE	<0.02	PPM	
BENZO(K)FLUORANTHENE	<0.007	PPM	
CHRYSENE	0.021	PPM	
FLUORANTHENE	<0.007	PPM	
FLUORENE	<0.07	PPM	
NAPHTHALENE	<0.07	PPM	
PHENANTHRENE	<0.07	PPM	
PYRENE	0.062	PPM	
INDENO(1,2,3-CD)PYR	<0.007	PPM	
DIBENZ(A,H)ANTHRACEN	<0.007	PPM	

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

IL 62960

5258



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

Sample		Accession
793321 A-7		93 881716
Collection Date	Time	Received
07/16/93	00:00	07/20/93
Referring Client	Client ID	Reported
SHIRLEY IRELAND	793321	07/25/93

Test	Result	Units	Reference Limits
EXTRACTION, 3510			
POLYAROMATIC HYDROC			
METHOD NUMBER	8310		
ACENAPHTHENE	<0.07	PPM	
ACENAPHTHYLENE	<0.07	PPM	
ANTHRACENE	<0.07	PPM	
BENZO(A)ANTHRACENE	<0.007	PPM	
BENZO(A)PYRENE	<0.007	PPM	
BENZO(B)FLUORANTHENE	<0.007	PPM	
BENZO(GHI)PERYLENE	<0.02	PPM	
BENZO(K)FLUORANTHENE	<0.007	PPM	
CHRYSENE	<0.007	PPM	
FLUORANTHENE	<0.007	PPM	
FLUORENE	<0.07	PPM	
NAPHTHALENE	<0.07	PPM	
PHENANTHRENE	<0.07	PPM	
PYRENE	<0.007	PPM	
INDENO(1,2,3-CD)PYR	<0.007	PPM	
DIBENZ(A,H)ANTHRACEN	<0.007	PPM	

IRELAND LABORATORIES
ATT. SHIRLEY IRELAND
RT. #4 BOX 282A
METROPOLIS

IL 62960

5258

September 17, 1993
Page Seven

DISPOSAL DOCUMENTATION

Disposal of 1 Drum CR0028A

NON-HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. *N/A*

Manifest Document No. *00001*

2 Page 1 of 1

Generator's Name and Mailing Address
*WILSON ARMY RESERVE CENTER
 1001 W. DEYOUNG ST
 MARION, ILLINOIS 60759*

*EL
 1990555056*

4. Generator's Phone ()

5. Transporter 1 Company Name
ABBOTT TRANSPORTATION

6. US EPA ID Number
IND 984955401

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
*CONSOLIDATED RECYCLING & REFINING
 TROY INDIANA 47585*

10. US EPA ID Number
IND 093263275

A. Transporter's Phone

B. Transporter's Phone

C. Facility's Phone
502 / 683-5512

11. Waste Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

a. *EXEMPT 40 CFR 266.40D
 NON-HAZARDOUS #2 FUEL OIL & H₂O*

80.1 D.M. 00055 G

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name
TINA ANDERSON

Signature
Tina Anderson

Month Day Year
10 7 23 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
CHRIS A ABBOTT

Signature
Chris A. Abbott

Month Day Year
7 23 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name
[Signature]

Signature

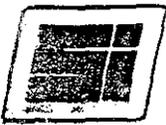
GENERATOR

TRANSPORTER

FACILITY

September 17, 1993
Page Nine

BACKFILL DOCUMENTATION



SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

TICK NUMBER
356175

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/15/93	08:38	CLIN	06S	CLIN	56	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 2
Qty. Today: 41.90

QTY	UNIT	PRODUCT	PRICE	AMOUNT
20.69	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	41380	20.69
TARE	20300	14.65
NET	41380	20.69

DELIVER TO: COMMON WEALTH CON.

WEIGHMASTER: GREG RAHN

SIGNATURE: *[Signature]*

DRIVER'S COPY

SEE REVERSE SIDE FOR NOTICE TO OWN



SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

TICK NUMBER
356146

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/15/93	07:21	CLIN	06S	CLIN	56	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 1
Qty. Today: 21.21

QTY	UNIT	PRODUCT	PRICE	AMOUNT
21.21	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	42420	21.21
TARE	29300	14.65
NET	42420	21.21

DELIVER TO: COMMON WEALTH CON.

WEIGHMASTER: GREG RAHN

SIGNATURE: *[Signature]*

DRIVER'S COPY

SEE REVERSE SIDE FOR NOTICE TO OWN



SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

TICKE
NUMB:
356227

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/15/93	10:57	CLIN	06S	CLIN	56	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 4
Qty. Today: 84.70

QTY	UNIT	PRODUCT	PRICE	AMOUNT
21.22	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	71740	35.87
TARE:	29300 *	14.65 *
NET:	42440	21.22

DELIVER TO: COMMON WEALTH CON.

WEIGHMASTER: GREG RAHN

SIGNATURE: *[Signature]*

DRIVER'S COPY

SEE REVERSE SIDE FOR NOTICE TO OWNE



SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

TICKE
NUMB:
356206

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/15/93	09:51	CLIN	06S	CLIN	56	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 3
Qty. Today: 63.48

QTY	UNIT	PRODUCT	PRICE	AMOUNT
21.58	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	72460	36.23
TARE:	29300 *	14.65 *
NET:	43160	21.58

DELIVER TO: COMMON WEALTH CON.

WEIGHMASTER: GREG RAHN

SIGNATURE: *[Signature]*



SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

356498

TICKE
NUMB

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/16/93	11:37	CLIN	06S	CLIN	56	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 3
Qty. Today: 63.68

QTY	UNIT	PRODUCT	PRICE	AMOUNT
20.63	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	41260	20.63
TARE:	28920	14.46
NET:	41260	20.63

DELIVER TO: COMMON WEALTH CON

WEIGHMASTER: [Signature]

SIGNATURE: [Signature]

* Stored Tare Weight

DRIVER'S COPY

SEE REVERSE SIDE FOR NOTICE TO OWN



SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

356455

TICK
NUMB

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/16/93	09:36	CLIN	06S	CLIN	56	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 1
Qty. Today: 21.07

QTY	UNIT	PRODUCT	PRICE	AMOUNT
21.07	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	42140	21.07
TARE:	28920	14.46
NET:	42140	21.07

DELIVER TO: COMMON WEALTH CON

WEIGHMASTER: [Signature]

SIGNATURE: [Signature]



SOUTHERN ILLINOIS STONE CO.

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BUNCOMBE, ILLINOIS 62912

SCALE TICKET

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TIC NUM
356500

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/16/93	11:40	CLIN	06S	CLIN	61	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 4
Qty. Today: 85.41

QTY	UNIT	PRODUCT	PRICE	AMOUNT
21.73	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	43460	21.73
TARE:	27120	13.56
NET:	43460	21.73

WEIGHMASTER
COMMON WEALTH CON
Vince SIGNATURE

* Stored Tare Weight DRIVER'S COPY SEE REVERSE SIDE FOR NOTICE TO OWN



SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

TIC NUM
356462

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/16/93	09:55	CLIN	06S	CLIN	61	02	1

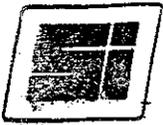
CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 2
Qty. Today: 43.05

QTY	UNIT	PRODUCT	PRICE	AMOUNT
21.98	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	43960	21.98
TARE:	27120	13.56
NET:	43960	21.98

WEIGHMASTER
COMMON WEALTH CON
Vince SIGNATURE



SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

TICKET NUMBER
25,571

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/16/93	14:06	CLIN	06S	CLIN	56	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 7
Qty. Today: 151.03

QTY	UNIT	PRODUCT	PRICE	AMOUNT
21.62	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	72160	3608
TARE	28920	14.46
NET	43240	21.62

WEIGHMASTER: GREG BURNIN

SIGNATURE: *[Signature]*

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SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

TICKET NUMBER
25,577

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/16/93	12:54	CLIN	06S	CLIN	56	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 5
Qty. Today: 106.88

QTY	UNIT	PRODUCT	PRICE	AMOUNT
21.47	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	42940	21.47
TARE	28920	14.46
NET	42940	21.47

WEIGHMASTER: GREG BURNIN

SIGNATURE: *[Signature]*

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SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

TOTAL
302.89
TONS.

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

356573 TIC NUM

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/16/93	14:10	CLIN	06S	CLIN	61	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 3
Qty. Today: 173.64

QTY	UNIT	PRODUCT	PRICE	AMOUNT
22.61	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	72340	36.17
TARE:	27120*	13.56
NET:	45220	22.61

DRIVER TO: COMMON WEALTH CON

WEIGHMASTER: GREG BRAHN

SIGNATURE: *[Signature]*

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SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

TOTAL
302.89
TONS.

SCALE TICKET

OFFICE: (618) 995-2392
FAX: (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

356530 TIC NUM

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/16/93	12:57	CLIN	06S	CLIN	61	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 6
Qty. Today: 129.41

QTY	UNIT	PRODUCT	PRICE	AMOUNT
22.53	TON	CA6 SPECIAL		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	72180	36.09
TARE:	27020*	13.51
NET:	45060	22.53

DRIVER TO: COMMON WEALTH CON

WEIGHMASTER: GREG BRAHN

SIGNATURE: *[Signature]*

DRIVER'S COPY SEE REVERSE SIDE FOR NOTICE TO OW



SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE (618) 995-2392
FAX (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

TICKET NUMBER
356581

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/16/93	14:23	CLIN	06	CLIN	53	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 2
Qty. Today: 44.55

QTY	UNIT	PRODUCT	PRICE	AMOUNT
22.28	TON	CA 6		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	73040	36.55
TARE	28480	14.24
NET	44560	22.28

WEIGHMASTER: GREG GARRIN

COMMON WEALTH CON.

SIGNATURE: *[Signature]*

* Stored Tare Weight

DRIVER'S COPY

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SOUTHERN ILLINOIS STONE CO.

P.O. BOX 38
BUNCOMBE, ILLINOIS 62912

SCALE TICKET

OFFICE (618) 995-2392
FAX (618) 995-2005

Interest shall be charged at the rate of 1.8% (21.6% per annum) per month on all outstanding balances remaining unpaid 30 days after the date of the original invoice statement, and said interest shall continue to accrue at said rate on the unpaid principle balance until satisfied.

TICKET NUMBER
356575

DATE	TIME	CUSTOMER	PRODUCT	HAULER	TRUCK	TAX	LOCATION
07/16/93	14:12	CLIN	06	CLIN	62	02	1

CUSTOMER NAME
CLINTON COUNTY MTLs

Order No: 50
Loads Today: 1
Qty. Today: 22.27

QTY	UNIT	PRODUCT	PRICE	AMOUNT
22.27	TON	CA 6		
		FREIGHT		
		TAX		
		TOTAL DUE		

	POUNDS	TONS
GROSS	47190	35.98
TARE	24950	13.71
NET	44540	22.27

WEIGHMASTER: GREG GARRIN

COMMON WEALTH

SIGNATURE: *[Signature]*

DRIVER'S COPY

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September 17, 1993
Page Ten

STATE PERMIT TO REMOVE



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, Illinois 62703-4259

MAY 14 1993

DIV. OF PETROLEUM & CHEMICAL SAFETY

FOR OFFICE USE ONLY

Facility # 7-010413
 Permit # 8986-93 RE

Application for Permit to REMOVE
 Underground Storage Tanks for Petroleum and Hazardous Substances

To be completed and filed with the Division of Petroleum and Chemical Safety, 1035 Stevenson Drive, Springfield, Illinois 62703-4259 (217/785-5878) or (217/785-1020)

1) (Owner of tanks) - Corporation, partnership or other business entity: (Must Be Mailing Address)

Name ARMY RESERVE CENTER
 Street Address 1001 W DE YOUNG ST
 City MARION State IL Zip 62959
 Contact Person MR GARY KIMBRO Phone 618/997-9358

2) (Facility) - name and address where tanks are located

Name PSC PG WILSON ARMY RESERVE CENT
 Street Address 1001 W DE YOUNG ST
 City MARION State IL Zip 62959 County WAYNE
 Contact Person MR GARY KIMBRO Phone 618/997-9358

3) (Contractor) - person, firm or company performing work:

Name L/SELECT REMEDIATION
 Street Address 3300 E 83RD PLACE
 City MERRILLVILLE IN State IN Zip 46410 County LAKE
 Phone 219/942-6200 Registration No. 363-74-3657

Facility Registration I.D. Number

17905 7-010413 JUN 02 1993

FOR OFFICE USE ONLY

Permission to remove underground storage tank(s) is hereby granted. Such removal shall not commence until 7-2-93. A seventy-two hour (3 working day) notice to this office is required to confirm final date of removal for our Inspector to be on site.

10-4-93 W. Dale Tanker
 Approval Date Approved

12-4-93
 Permit Expires

state # 1990555056

You must notify ESDA 1-800-782-7860 within 24 hours of leaks or contaminated soil. Removal must be in accordance with acceptable closure requirements and procedure such as API Bulletin 1604. A site assessment must be conducted to determine if a release has occurred.

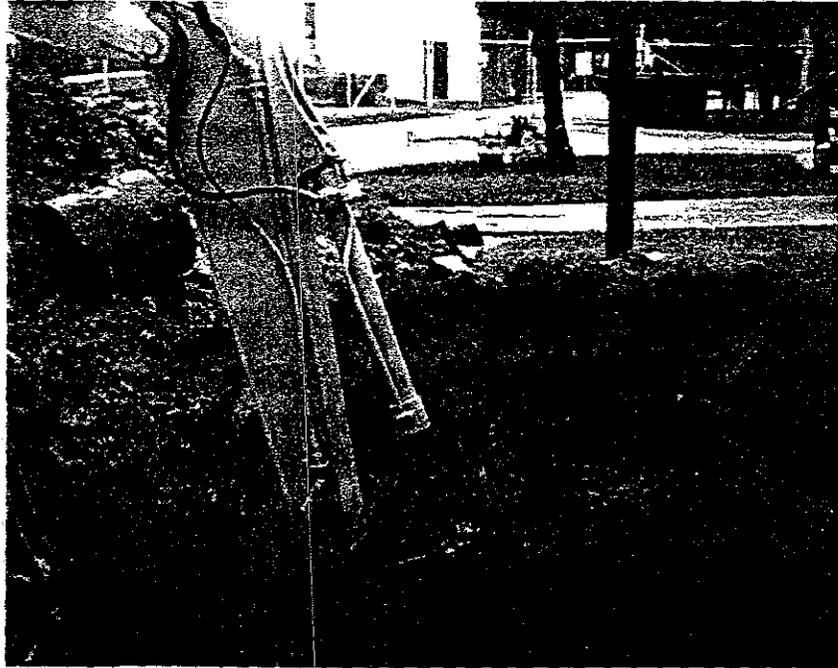
4) Removal of Tanks:

- a) Number and size of tanks being removed: 1 - 10,000 GALLON FUEL OIL TANK
- b) Total number of all tanks removed: 1
- c) Reason for removal of tanks: ABANDONED
- d) If tank is leaking, give ESDA incident number: N/A
- e) What products were stored in each tank? #2
- f) If tanks contain products other than petroleum products, please indicate here: N/A
- g) Date each tank was last used? UNKNOWN

h) A written notice of removal of tanks shall be given to the Office of the State Fire Marshal at least 30 days prior to the removal, giving location, number and size of tanks. This application will constitute that day written notice. The 30 day period commences with this application appropriately completed and the received in our office.

September 17, 1993
Page Eleven

SITE PHOTOS



DIGGING OUT
CONCRETE SLAB



BREAKING UP CONCRETE

FACILITY IL026 – SSG R.E. WALTON USARC

GENERAL DESCRIPTION

The SSG R.E. Walton USARC (FACID IL026, INSNO 17870) consists of the USARC, an OMS, paved areas, and maintained lawns. Classroom training is conducted at the USARC and the OMS is used for light vehicle maintenance. The parking areas are for military vehicles and civilian parking. The 88th RRC owns the land and two buildings that compose facility IL026.

GEOGRAPHIC LOCATION AND SIZE

Facility IL026 is located in the city of Fairfield, in central Wayne County. Acreage for the facility was calculated at 4.49 acres in the GIS, the Real Property Detail Report shows the acreage as 6.16 acres. Land use north and east of the site is predominantly residential, with residential and industrial/commercial property to the west. A recycling facility and baseball fields are located immediately south of the property. The facility boundary is shown on the Facility Map.

GEOLOGICAL RESOURCES

Physiography and Geology

Facility IL026 is located within the Central Lowland Physiographic Province of the South Central State Region. The Central Lowland Province occupies northern and central Illinois, and is characterized by low-lying areas with bedrock overlain by glacial till. The geological formations in this area are characterized as the Missourian Series. The underlying geology consists of marine, deltaic, and continental formations and includes a majority of shale, sandstone, and siltstone (ILGS, 1948).

Soils

Soils at the facility belong to the Bluford soils series. The Bluford series consists of somewhat poorly drained, slowly permeable soils developed on broad ridges and side slopes. Bluford soils are formed in loess and silty or loamy deposits. Slopes for these soils range from 0 to 5 percent. Digital soils data are not available for Wayne County; therefore, a soil map was not produced for IL026.

Topography

The site's topographic setting is approximately 450 to 460 feet AMSL with minimal topographic relief.

WATER RESOURCES

Watershed and Surface Waters

The facility lies within the Ohio River – Wabash River watershed. A stream is located approximately 1,500 feet west and south of the site. No surface waters are located on or adjacent to the site.

Floodplains

There is no digital Q3 Flood Data available for the site. However, according to the FEMA Flood Hazard Boundary Map, there are no floodplains located on or adjacent to the site. The closest floodplain is located over 6,000 feet east of the site.

BIOLOGICAL RESOURCES

Land Cover and Ecological Communities

The site is comprised of three major land cover types. Paved roads/parking cover approximately nine percent of the property. Eighty-five percent of the land coverage consists of maintained grass with landscape trees and shrubs, and buildings cover the remaining six percent of the property. This facility lacks any natural, floristic communities. Vegetation

consists mostly of Kentucky bluegrass (*Poa pratensis*) and English pliantain (*Plantago lanceolata*) with a few mature, scattered tree species. Tree species include shingle oak (*Quercus imbricaria*), sweetgum (*Liquidambar styraciflua*), black cherry (*Prunus serotina*), silver maple (*Acer saccharinum*), sugar maple (*Acer saccharum*), and crabapple (*Malus* spp). Table 5.9 provides the acreage for each land cover type based on the Land Cover Map. There are no significant ecological communities within the site boundaries.

TABLE 5.9
LAND COVER AND ECOLOGICAL COMMUNITIES AT IL026

Land Cover and Ecological Communities	Calculated Area ⁽¹⁾		Percent of Facility ⁽¹⁾
	Hectares	Acres	
Buildings	0.08	0.2	6
Paved Road/Paved Parking	0.2	0.4	9
Maintained Grass	1.6	3.9	85

(1) Area calculations based on Land Cover Map.

Wetlands

According to NWI data, no wetlands are located on or adjacent to the site. This data was confirmed during the field investigation. The NWI data shows the closest wetland is approximately 2,700 feet west of the site.

Wildlife

A line of white pine (*Pinus strobus*) was identified adjacent to the southern property boundary, providing cover for bird species. The property supports common bird species including robin (*Turdus migratorius*) and mourning dove (*Zenaida macroura*). The facility manager mentioned that several white-tailed deer (*Odocoileus virginianus*) and eastern cottontail (*Sylvilagus floridanus*) had been observed at this location. Due to the developed and maintained nature of the property, there is little habitat present that could support significant

U.S. ARMY RESERVE 88TH REGIONAL READINESS COMMAND NATURAL RESOURCES FACT SHEET

Facility Location Information

FACID: IL026	INSNO: 17870	State: Illinois	USGS Quad: Fairfield
Facility Name: SSG R.E. Walton	County: Wayne		Land Survey: S1 T2S R7E
Type of Facility: USARC/OMS	Address: 1002 W. Leninger Rd.		Acreage Calc.: 4.49 Real: 6.16
Facility POC: Mark Cherry	City/State/Zip: Fairfield, IL 62837		Phone: 618-842-2101
Ownership: The 88 th RRC owns the land and 2 buildings that compose IL0026.			Survey Date: July 18, 2002

Land Use

On-site Land Use:	100% improved grounds. Site used for staging and maintenance of military vehicles and equipment.
Surrounding Land Use:	North and west – residential. South and east – industrial.

Geologic Resources

Physiographic Province:	Central Lowland
State Region:	South Central
Geologic Formation:	Missourian Series
Soil Association:	Bluford – Ava – Hickory
Topography:	Elevation range: 450 – 460 ft AMSL. Site relatively flat.

Water Resources

Watershed:	Ohio – Wabash
Floodplains:	100-yr. floodplain over 6,000 ft east of site.
On-Site Surface Water:	None
Off-site Surface Water:	Streams located 1,500 ft west and south of site.

Biological Resources

Vegetation Communities/Land Cover:	6% buildings, 9% paved roads and parking areas, 85% maintained grass and landscaping.
On-site Wetlands:	None
Off-site Wetlands:	Wetland located 2,700 ft west of site.
On-site Rare Species:	None
On-site Potential Rare Species Habitat:	Low potential due to development and no federal or state listed species documented in site vicinity.
Off-site Rare Species:	No state listed species within a 2-mile radius of site (Appendix A).
Federally Listed Species in County:	None

Other Sensitive Resources

On-site Resources:	None
Off-site Resources:	No natural communities tracked by ILDNR, INAI, or INP sites located within a 2-mile radius of site.

Notes: FACID-Facility ID, INSNO-Installation Number, INAI-Illinois Natural Area Inventory, INP-Illinois Nature Preserve
Acreage Calc.-GIS calculated acreage, Real-Real Property Report acreage.

IL026 Facility Map SSG R.E. Walton USARC

88th Regional Readiness Command
Fairfield, Illinois
Wayne County

Legend

-  Facility Boundary
-  Buildings

Data Sources:
Facility--88th RRC Facility Boundary Drawings
Buildings--USGS Orthophoto, DOQQ 1998
Streets--GDT Data 2002
Streams and Lakes--USGS, NHD
Wetlands--USFWS, NWI
Flood Zones--FEMA Q3



Scale: 1:4,800

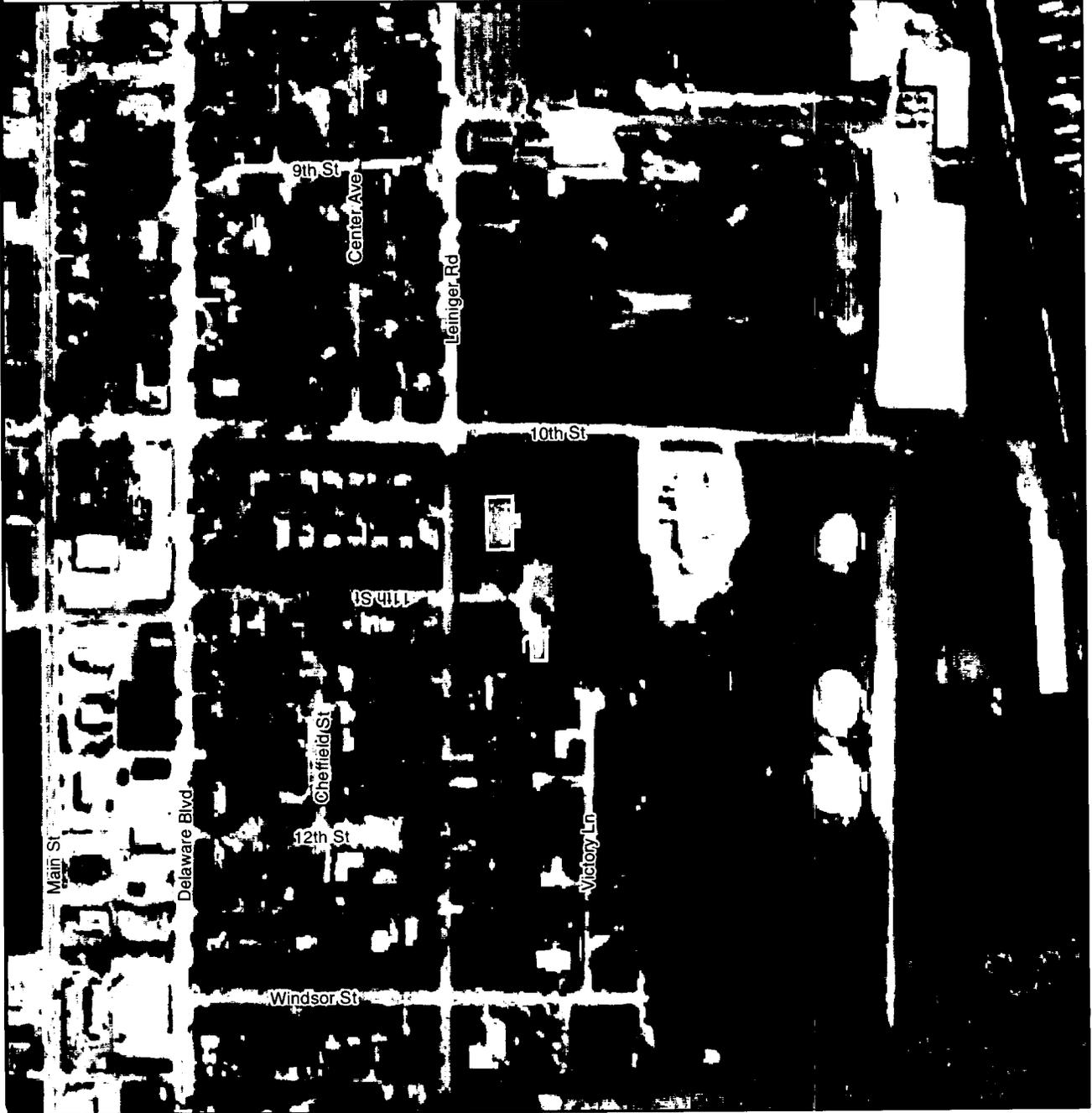
Created By: Parsons

File: IL026_Land_Cover.mxd

Date: 12/2004



PARSONS



IL026 Land Cover Map

SSG R.E. Walton USARC

88th Regional Readiness Command
Fairfield, Illinois
Wayne County

Legend

 Facility Boundary

Land Cover

 Buildings

 Maintained Grass

 Paved Road/Parking

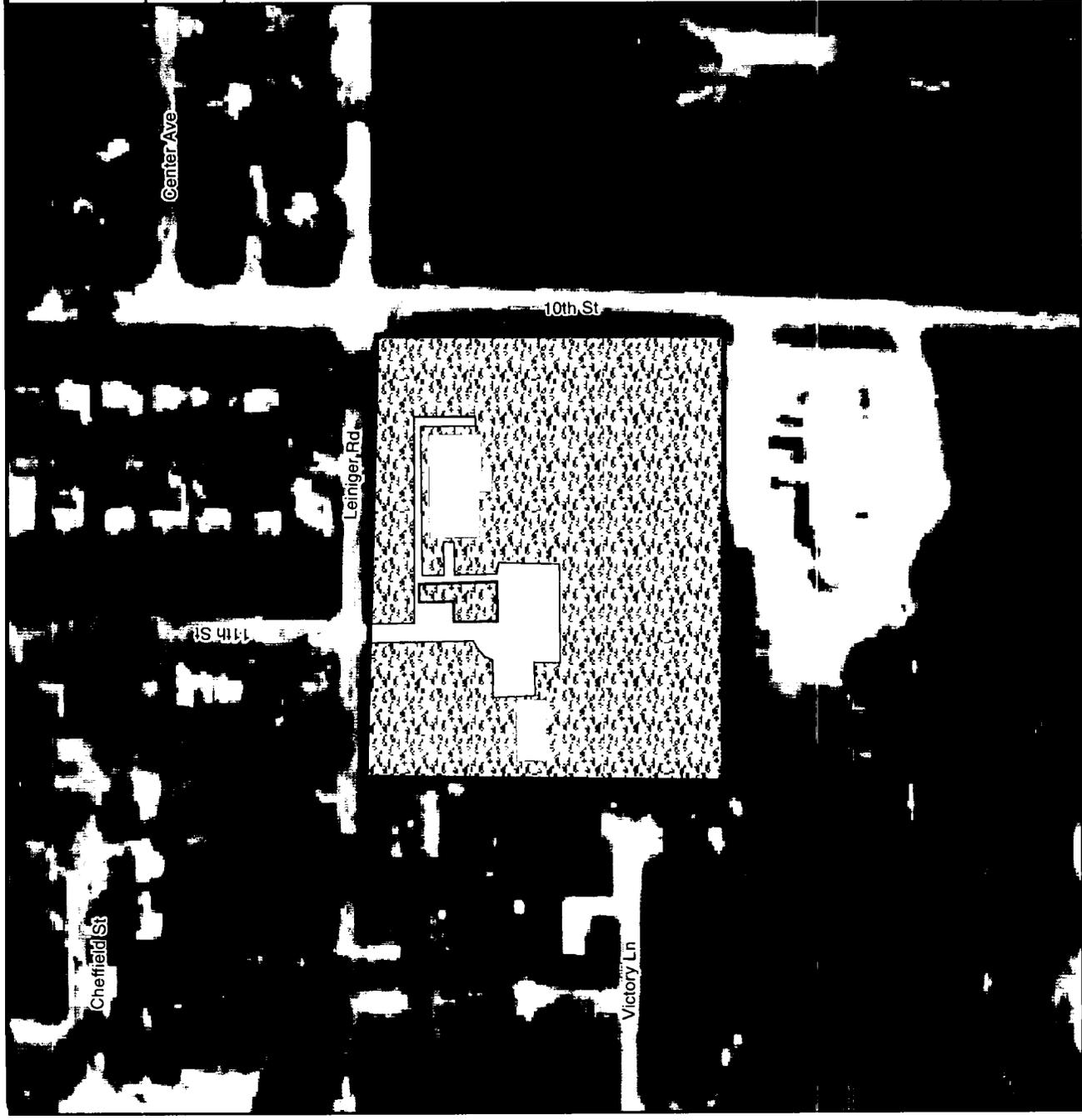
Data Sources:
Facility--88th RRC Facility Boundary Drawings
Buildings--USGS Orthophoto, DOQQ 1998
Streets--GDT Data 2002
Streams and Lakes--USGS, NHD
Wetlands--USFWS, NWI
Flood Zones--FEMA Q3



Scale: 1:2,400
Created By: Parsons
File: IL026_Land Cover.mxd
Date: 12/2004



PARSONS





CITY OF FAIRFIELD

109 NORTHEAST SECOND ST. • FAIRFIELD, ILLINOIS • 62837 • (618) 842-3871

January 19, 1999

Department of the Army
Tony L. Bridges
Southern Illinois Environmental Mgr.
88th Regional Support Command
100 Anderson Avenue
Wood River, Illinois 62095-1296

Dear Mr. Bridges:

The following transformer information is in reply to your letter of request dated December 14, 1998:

Ownership of transformers/poles - City of Fairfield	Purchase Date - 1989
Location - East side of Armory, on S.W. 10 th St.	Transformer Type - Pole Mounts
Transformer Size - 15 KVA - Serial Number 89A032797	Labeled - Non-PCB
15 KVA - Serial Number 89A032796	Labeled - Non-PCB
15 KVA - Serial Number 89A032793	Labeled - Non-PCB
Primary Voltage - 7200/12470Y	Secondary Voltage - 120/240
Brand - Westinghouse Units	Site Map - None

If there are any questions, or if further assistance is needed, please contact Ray Smothers at 618-842-3445.

City of Fairfield
109 N.E. 2nd Street
Fairfield, IL 62837
Ray Smothers
Superintendent Electric Distribution
Phone: 618-842-3445
Fax: 618-842-2825

Appendix E
**Regulatory Database
Search Reports**



EDR® Environmental
Data Resources Inc

The EDR-City Directory
Abstract

SSF R. E. Walton USARC, IL
1002 LEININGER ROAD
FAIRFIELD, IL 62837

Inquiry Number: 1714247.96

Monday, July 17, 2006

**The Standard in
Environmental Risk
Management Information**

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

This document reports that Environmental Data Resources, Inc. (EDR) searched select national repositories of business directories, and based on client-supplied target property information, business directories including the target property information were not deemed reasonably ascertainable by EDR. This no coverage determination reflects a search only of business directory repository collections which EDR accessed. It can not be concluded from this search that no coverage for the target property exists anywhere, in any collection.

NO COVERAGE

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.**

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EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**SSF R. E. Walton USARC, IL
1002 LEININGER ROAD
FAIRFIELD, IL 62837**

Inquiry Number: 01714247.92r

July 13, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1002 LEININGER ROAD
FAIRFIELD, IL 62837

COORDINATES

Latitude (North): 38.376900 - 38° 22' 36.8"
Longitude (West): 88.373300 - 88° 22' 23.9"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 380041.9
UTM Y (Meters): 4248320.5
Elevation: 473 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38088-D4 GEFF, IL
Most Recent Revision: 1970

East Map: 38088-D3 FAIRFIELD, IL
Most Recent Revision: 1970

Southeast Map: 38088-C3 BURNT PRAIRIE, IL
Most Recent Revision: 1970

South Map: 38088-C4 BOYLESTON, IL
Most Recent Revision: 1970

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
WALTON USARC 1002 W LEININGER RD FAIRFIELD, IL 62837	RCRA-SQG FINDS	IL1210490487
US ARMY RESERVE CTR 1002 W LEININGER RD FAIRFIELD, IL 62837	UST	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	State Oversight List
CAT	Category List
SWF/LF	Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge
IL NIPC	Solid Waste Landfill Inventory
LUST	Leaking Underground Storage Tank Sites
ENG CONTROLS	Sites with Engineering Controls
Inst Control	Institutional Controls
SRP	Site Remediation Program Database
DRYCLEANERS	Illinois Licensed Drycleaners
IMPDMNT	Surface Impoundment Inventory
BROWNFIELDS	Municipal Brownfields Redevelopment Grant Program Project Descriptions
AIRS	AIRS

EXECUTIVE SUMMARY

TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

EDR Historical Auto StationsEDR Proprietary Historic Gas Stations

EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/15/2006 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>AIRTEX PRODUCTS</i>	<i>407 W MAIN ST</i>	<i>1/2 - 1 ENE</i>	<i>6</i>	<i>9</i>

STATE AND LOCAL RECORDS

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Illinois State Fire Marshal's STC Facility List.

A review of the UST list, as provided by EDR, and dated 03/07/2006 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FAIRFIELD MEMORIAL HOSPITAL	NW 11TH	0 - 1/8 NW	3	7

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AIRTEX PRODUCTS	LEININGER RD	1/8 - 1/4 E	4	8

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHEM PRO	1100 BLOCK OF W MAIN	1/8 - 1/4NNW 5		8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
ROBINSON PRODUCTION CO (SIA)	CERC-NFRAP
LOVE OIL CO (SIA)	CERC-NFRAP
WAYNE COUNTY REGIONAL LANDFILL	SWF/LF
ILLINOIS CMS/DOV	LUST
WAYNE'S SAVINGS & LOAN; CHEMPRO CHE	LUST
FATEH ENTERPRISES, INC.	LUST
OIL WELL REPAIR INC	UST
FAIRFIELD MUNICIPAL AIRPORT	UST
FAIRFIELD MEMORIAL HOSPITAL	UST
HB WILLIAMSON CO	RCRA-SQG
IDOT	RCRA-SQG
WAL-MART STORE #454	RCRA-SQG, FINDS
NORFOLK SOUTHERN RAILWAY CO	RCRA-SQG, FINDS
TEXACO INC - M E HEATON LEASE	FINDS
TEXACO INC - M E HEATON LEASE	FINDS, AIRS
SQUARE POST BUILDING	ODI

OVERVIEW MAP - 01714247.92r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

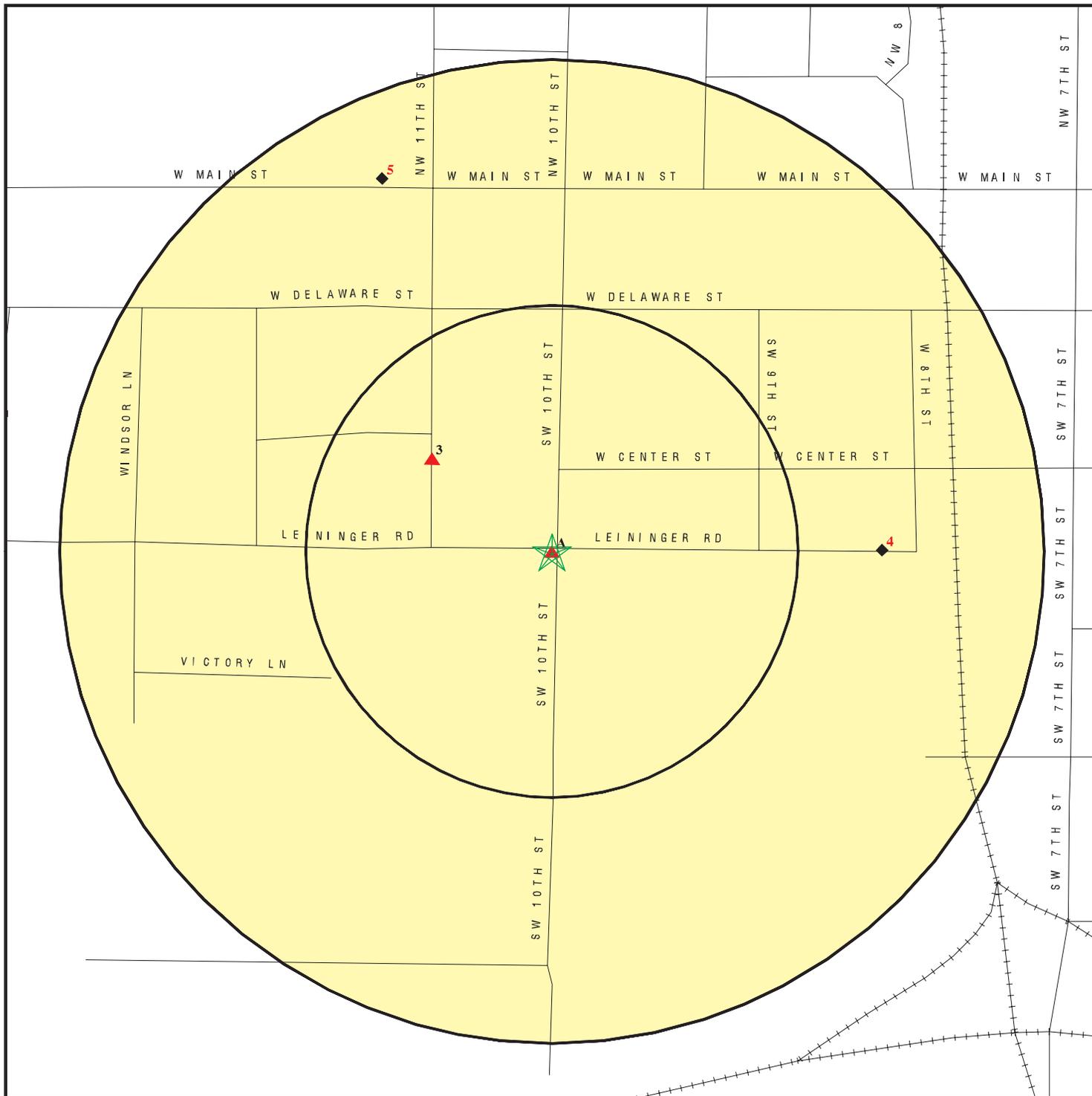
- Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: SSF R. E. Walton USARC, IL
 ADDRESS: 1002 LEININGER ROAD
 FAIRFIELD IL 62837
 LAT/LONG: 38.3769 / 88.3733

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01714247.92r
 DATE: July 13, 2006

DETAIL MAP - 01714247.92r



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Landfill Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Oil & Gas pipelines

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: SSF R. E. Walton USARC, IL
 ADDRESS: 1002 LEININGER ROAD
 FAIRFIELD IL 62837
 LAT/LONG: 38.3769 / 88.3733

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01714247.92r
 DATE: July 13, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	1	NR	1
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
CAT		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
IL NIPC		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST	X	0.250	1	2	NR	NR	NR	3
ENG CONTROLS		0.500	0	0	0	NR	NR	0
Inst Control		0.500	0	0	0	NR	NR	0
SRP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
IMPDMNT		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		TP	NR	NR	NR	NR	NR	0
EDR Historical Cleaners		TP	NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A1 **WALTON USARC**
Target **1002 W LEININGER RD**
Property **FAIRFIELD, IL 62837**

RCRA-SQG **1000689348**
FINDS **IL1210490487**

Site 1 of 2 in cluster A

Actual:
473 ft.

RCRAInfo:
 Owner: US ARMY 88TH REJG SUP COM
 (612) 713-3826
 EPA ID: IL1210490487
 Contact: SHIRLEY SHAW
 (618) 842-2101

 Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported

 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A2 **US ARMY RESERVE CTR**
Target **1002 W LEININGER RD**
Property **FAIRFIELD, IL 62837**

UST **U003310313**
N/A

Site 2 of 2 in cluster A

Actual:
473 ft.

UST:
 Facility ID: 7019648
 Facility ID 2 : 1564908
 Status: Closed
 Owner Name: Us Army Training Ctr Engineer
 Owner Address: Fort Leonard Wood
 Fort Leonard Wood, MO 65473
 Contact: Scarbrough Patricia
 Phone #: (618) 842-2101
 Tank Status: Removed
 Tank Last Used: Not reported
 Enforcement: No
 Fee Owed: No
 Tank Number: 1
 Tank Capacity: 2000
 Tank Age: 38
 Tank Red Tag: No
 Tank Substance: Diesel
 1998 green decal: None
 Permit Number: Not reported
 Permit Expires: Not reported

 Facility ID: 7019648
 Facility ID 2 : 1564908
 Status: Closed
 Owner Name: Us Army Training Ctr Engineer
 Owner Address: Fort Leonard Wood

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US ARMY RESERVE CTR (Continued)

U003310313

Fort Leonard Wood, MO 65473
Contact: Scarbrough Patricia
Phone #: (618) 842-2101
Tank Status: Removed
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 2
Tank Capacity: 560
Tank Age: 38
Tank Red Tag: No
Tank Substance: Diesel
1998 green decal: None
Permit Number: Not reported
Permit Expires: Not reported

**3
NW
< 1/8
407 ft.**

**FAIRFIELD MEMORIAL HOSPITAL
NW 11TH
FAIRFIELD, IL 62837**

**UST U003310569
N/A**

**Relative:
Equal**

UST:

Facility ID: 7028685
Facility ID 2 : 1133991794
Status: Exempt
Owner Name: Fairfield Memorial Hospital
Owner Address: Nw 11Th
Fairfield, IL 62837
Contact: Kurtz Larry D
Phone #: (618) 842-2611
Tank Status: Exempt from registration
Tank Last Used: 3/1/1965 00:00:00
Enforcement: No
Fee Owed: No
Tank Number: 1
Tank Capacity: 5000
Tank Age: 48
Tank Red Tag: No
Tank Substance: Not reported
1998 green decal: None
Permit Number: Not reported
Permit Expires: Not reported

Facility ID: 7028685
Facility ID 2 : 1133991794
Status: Exempt
Owner Name: Fairfield Memorial Hospital
Owner Address: Nw 11Th
Fairfield, IL 62837
Contact: Kurtz Larry D
Phone #: (618) 842-2611
Tank Status: Exempt from registration
Tank Last Used: 3/1/1965 00:00:00
Enforcement: No
Fee Owed: No
Tank Number: 2
Tank Capacity: 5000
Tank Age: 48
Tank Red Tag: No

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FAIRFIELD MEMORIAL HOSPITAL (Continued)

U003310569

Tank Substance: Not reported
1998 green decal: None
Permit Number: Not reported
Permit Expires: Not reported

4
East
1/8-1/4
885 ft.

AIRTEX PRODUCTS
LEININGER RD
FAIRFIELD, IL 62837

UST U003309769
N/A

Relative:
Lower

UST:
Facility ID: 7002961
Facility ID 2 : 438974760
Status: Exempt
Owner Name: Airtex Products
Owner Address: 407 W Main
Fairfield, IL 62837
Contact: Not reported
Phone #: Not reported
Tank Status: Exempt from registration
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 1
Tank Capacity: 2056
Tank Age: 27
Tank Red Tag: No
Tank Substance: Used Oil
1998 green decal: None
Permit Number: Not reported
Permit Expires: Not reported

Actual:
454 ft.

5
NNW
1/8-1/4
1100 ft.

CHEM PRO
1100 BLOCK OF W MAIN
FAIRFIELD, IL 62837

UST U003309970
N/A

Relative:
Lower

UST:
Facility ID: 7010317
Facility ID 2 : 1630166177
Status: Exempt
Owner Name: Davis & Sons Oil Company, Inc.
Owner Address: 602 W. Water Street
P.O. Box 444
Fairfield, IL 62837
Contact: Not reported
Phone #: Not reported
Tank Status: Exempt from registration
Tank Last Used: Not reported
Enforcement: No
Fee Owed: No
Tank Number: 1
Tank Capacity: 560
Tank Age: 16
Tank Red Tag: No
Tank Substance: Gasoline
1998 green decal: None
Permit Number: Not reported

Actual:
469 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CHEM PRO (Continued)

EDR ID Number
 EPA ID Number

U003309970

Permit Expires: Not reported

6
ENE
1/2-1
2655 ft.

AIRTEX PRODUCTS
407 W MAIN ST
FAIRFIELD, IL 62837

FINDS 1000404077
RCRA-LQG 62837RTXPR40
TRIS
CORRACTS
CERC-NFRAP

Relative:
Lower

CERCLIS-NFRAP Classification Data:

Federal Facility: Not a Federal Facility
 Non NPL Code: DR
 NPL Status: Not on the NPL

Actual:
436 ft.

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY	Completed: 01/12/1993
Assessment: PRELIMINARY ASSESSMENT	Completed: 03/22/1993
Assessment: ARCHIVE SITE	Completed: 12/12/1996

CERCLIS-NFRAP Alias Name(s):

AIRTEX PRODUCTS DIV UNITED IND SYNDICATE

CORRACTS Data:

EPA Id: ILD001662816
 Region: 05
 Area Name: ENTIRE FACILITY
 Actual Date: 03/27/1993
 Corrective Action: CA225IN - Stabilization Measures Evaluation, This facility is not , amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available
 2002 NAICS Title: Motor Vehicle Gasoline Engine and Engine Parts Manufacturing

EPA Id: ILD001662816
 Region: 05
 Area Name: ENTIRE FACILITY
 Actual Date: 03/31/1993
 Corrective Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
 2002 NAICS Title: Motor Vehicle Gasoline Engine and Engine Parts Manufacturing

RCRAInfo Corrective Action Summary:

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
 Event Date: 03/31/1993
 Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available.
 Event Date: 03/27/1993

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

AIRTEX PRODUCTS (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000404077

RCRAInfo:

Owner: AIRTEX PROD DIV UNITED IND SYNDICATE
 (618) 842-2111
 EPA ID: ILD001662816
 Contact: ROY DUKE
 (618) 842-2111

Classification: Large Quantity Generator
 TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	5780.00	F006	24630.00

Violation Status: Violations exist

Regulation Violated: 703.121(a)
 Area of Violation: TSD-OTHER REQUIREMENTS
 Date Violation Determined: 09/14/2005
 Actual Date Achieved Compliance: 10/03/2005

Regulation Violated: 722.123(a)
 Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
 Date Violation Determined: 09/14/2005
 Actual Date Achieved Compliance: 10/03/2005

Regulation Violated: 703.121(a)
 Area of Violation: TSD-OTHER REQUIREMENTS
 Date Violation Determined: 08/28/2001
 Actual Date Achieved Compliance: 11/07/2001

Enforcement Action: VIOLATION NOTICE (VN)
 Enforcement Action Date: 09/25/2001
 Penalty Type: Not reported

Regulation Violated: 722.111
 Area of Violation: GENERATOR-GENERAL REQUIREMENTS
 Date Violation Determined: 08/28/2001
 Actual Date Achieved Compliance: 11/07/2001

Enforcement Action: VIOLATION NOTICE (VN)
 Enforcement Action Date: 09/25/2001
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 06/18/1987
 Actual Date Achieved Compliance: 10/14/1987

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 08/25/1987
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 06/13/1986
 Actual Date Achieved Compliance: 08/15/1986

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 07/16/1986
 Penalty Type: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

AIRTEX PRODUCTS (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000404077

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/12/1985
Actual Date Achieved Compliance:	09/06/1985
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/12/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/12/1985
Actual Date Achieved Compliance:	09/06/1985
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/12/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/11/1984
Actual Date Achieved Compliance:	09/06/1985
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/12/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/11/1984
Actual Date Achieved Compliance:	09/06/1985
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/12/1985
Penalty Type:	Not reported

There are 10 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	20051003
	GENERATOR-MANIFEST REQUIREMENTS	20051003
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	20011107
	GENERATOR-GENERAL REQUIREMENTS	20011107
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19871014
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19860815
Compliance Schedule Evaluation	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850906
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850906
Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850906
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850906

FINDS:

Other Pertinent Environmental Activity Identified at Site:

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AIRTEX PRODUCTS (Continued)

1000404077

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

NEPT (National Environmental Performance Track) is designed to recognize facilities that consistently meet their legal requirements and have implemented high-quality environmental management systems. Performance Track encourages facilities to continuously improve their environmental performance and to work closely with their community and employees.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BIG MOUND TWP	1005634209	TEXACO INC - M E HEATON LEASE	RURAL	62837	FINDS
FAIRFIELD	1000861871	HB WILLIAMSON CO	HWY 15 W	62837	RCRA-SQG
FAIRFIELD	1003869905	ROBINSON PRODUCTION CO (SIA)	HWY 15E	62837	CERC-NFRAP
FAIRFIELD	1007569944	IDOT	RTE 4 BOX 286	62837	RCRA-SQG
FAIRFIELD	S104526230	ILLINOIS CMS/DOV	RT. 4	62837	LUST
FAIRFIELD	S105815486	WAYNE'S SAVINGS & LOAN; CHEMPRO CHE	RT. 45 NORTH	62837	LUST
FAIRFIELD	U003310191	OIL WELL REPAIR INC	RT 45 W	62837	UST
FAIRFIELD	U003973126	FAIRFIELD MUNICIPAL AIRPORT	HIGHWAY 45 WEST	62837	UST
FAIRFIELD	1007444065	SQUARE POST BUILDING	RT. 45 SOUTH		ODI
FAIRFIELD	1003869894	LOVE OIL CO (SIA)	WEST HWY 15 RR 1	62837	CERC-NFRAP
FAIRFIELD	1004698181	WAL-MART STORE #454	US HWY 45 WEST	62837	RCRA-SQG, FINDS
FAIRFIELD	1000986514	NORFOLK SOUTHERN RAILWAY CO	W MAIN ST MILEPOST 118.6	62837	RCRA-SQG, FINDS
FAIRFIELD	S107739335	FATEH ENTERPRISES, INC.	201 WEST MAIN STREET	62837	LUST
FAIRFIELD	1008133687	TEXACO INC - M E HEATON LEASE	RURAL	62837	FINDS, AIRS
FAIRFIELD	S105257770	WAYNE COUNTY REGIONAL LANDFILL	STATE ROUTE 15 WEST, RR 1, BOX 214	62837	SWF/LF
FAIRFIELD	U003911473	FAIRFIELD MEMORIAL HOSPITAL	N W 11TH	62837	UST

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/23/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 05/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006	Source: EPA
Date Data Arrived at EDR: 04/27/2006	Telephone: 800-424-9346
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 04/26/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-366-4555
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/14/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/26/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2006	Telephone: 202-566-2777
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 03/13/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/13/2006	Source: EPA
Date Data Arrived at EDR: 04/28/2006	Telephone: 703-416-0223
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 06/21/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2003	Source: EPA
Date Data Arrived at EDR: 07/13/2005	Telephone: 202-566-0250
Date Made Active in Reports: 08/17/2005	Last EDR Contact: 06/22/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/12/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/29/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 03/31/2006	Source: EPA
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 03/06/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 04/11/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005	Source: EPA
Date Data Arrived at EDR: 02/08/2006	Telephone: 202-566-0500
Date Made Active in Reports: 02/27/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/12/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/26/2006	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/29/2006	Telephone: 303-231-5959
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/27/2006	Source: EPA
Date Data Arrived at EDR: 05/02/2006	Telephone: N/A
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/30/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: State Oversight List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 03/27/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 23

Source: Illinois Environmental Protection Agency
Telephone: 217-524-4863
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Semi-Annually

CAT: Category List

Sites on this list are: Notice of Response Action, NPL, Pre/proposed NPL, Completed Remedial Action, Site Remediation Program, Federal Facilities, and Cleanup Started and/or Completed Sites.

Date of Government Version: 06/01/1997
Date Data Arrived at EDR: 07/07/1997
Date Made Active in Reports: 08/14/1997
Number of Days to Update: 38

Source: Illinois EPA
Telephone: N/A
Last EDR Contact: 02/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWF/LF: Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/01/2005
Date Data Arrived at EDR: 03/31/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 34

Source: Illinois Environmental Protection Agency
Telephone: 217-785-8604
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Annually

IL NIPC: Solid Waste Landfill Inventory

Solid Waste Landfill Inventory. NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.

Date of Government Version: 08/01/1988
Date Data Arrived at EDR: 08/01/1994
Date Made Active in Reports: 08/12/1994
Number of Days to Update: 11

Source: Northeastern Illinois Planning Commission
Telephone: 312-454-0400
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/22/2006
Date Data Arrived at EDR: 05/24/2006
Date Made Active in Reports: 06/19/2006
Number of Days to Update: 26

Source: Illinois Environmental Protection Agency
Telephone: 217-782-6762
Last EDR Contact: 02/20/2006
Next Scheduled EDR Contact: 05/22/2006
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Underground Storage Tank Facility List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/07/2006	Source: Illinois State Fire Marshal
Date Data Arrived at EDR: 03/13/2006	Telephone: 217-785-0969
Date Made Active in Reports: 03/24/2006	Last EDR Contact: 05/23/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Quarterly

ENG CONTROLS: Sites with Engineering Controls

Sites using of engineered barriers (e.g., asphalt or concrete paving).

Date of Government Version: 05/11/2006	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 05/16/2006	Telephone: 217-782-6761
Date Made Active in Reports: 06/19/2006	Last EDR Contact: 05/16/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/14/2006
	Data Release Frequency: Quarterly

Inst Control: Institutional Controls

Legal or administrative restrictions on land use and/or other activities (e.g., groundwater use restrictions) which effectively limit exposure to contamination may be employed as alternatives to removal or treatment of contamination.

Date of Government Version: 05/11/2006	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 05/16/2006	Telephone: 217-782-6761
Date Made Active in Reports: 06/19/2006	Last EDR Contact: 05/16/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/14/2006
	Data Release Frequency: Quarterly

SRP: Site Remediation Program Database

The database identifies the status of all voluntary remediation projects administered through the pre-notice site cleanup program (1989 to 1995) and the site remediation program (1996 to the present).

Date of Government Version: 05/11/2006	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 05/16/2006	Telephone: 217-785-9407
Date Made Active in Reports: 06/19/2006	Last EDR Contact: 05/16/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/14/2006
	Data Release Frequency: Semi-Annually

DRYCLEANERS: Illinois Licensed Drycleaners

Any retail drycleaning facility in Illinois must apply for a license through the Illinois Drycleaner Environmental Response Trust Fund. Drycleaner Environmental Response Trust Fund of Illinois.

Date of Government Version: 03/01/2006	Source: Drycleaner Environmental Response Trust Fund of Illinois
Date Data Arrived at EDR: 04/05/2006	Telephone: 800-765-4041
Date Made Active in Reports: 05/04/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Varies

IMPDMNT: Surface Impoundment Inventory

Statewide inventory of industrial, municipal, mining, oil & gas , and large agricultural impoundment. This study was conducted by the Illinois EPA to assess potential for contamination of shallow aquifers. This was a one-time study. Although many of the impoundments may no longer be present, the sites may be contaminated.

Date of Government Version: 12/31/1980	Source: Illinois Waste Management & Research Center
Date Data Arrived at EDR: 03/08/2002	Telephone: 217-333-8940
Date Made Active in Reports: 06/03/2002	Last EDR Contact: 02/20/2002
Number of Days to Update: 87	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Municipal Brownfields Redevelopment Grant Program Project Descriptions

The Illinois Municipal Brownfields Redevelopment Grant Program (MBRGP) offers grants worth a maximum of \$240,000 each to municipalities to assist in site investigation activities, development of cleanup objectives, and performance of cleanup activities. Brownfields are abandoned or underused industrial and/or commercial properties that are contaminated (or thought to be contaminated) and have an active potential for redevelopment.

Date of Government Version: 02/21/2006	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 02/21/2006	Telephone: 217-785-3486
Date Made Active in Reports: 03/14/2006	Last EDR Contact: 07/10/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Varies

BROWNFIELDS: Redevelopment Assessment Database

The Office of Site Evaluations Redevelopment Assessment database identifies the status of all properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a municipal Brownfield Redevelopment Assessment.

Date of Government Version: 05/24/2006	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 05/24/2006	Telephone: 217-524-1658
Date Made Active in Reports: 06/19/2006	Last EDR Contact: 02/20/2006
Number of Days to Update: 26	Next Scheduled EDR Contact: 05/22/2006
	Data Release Frequency: Varies

AIRS: AIRS

A listing of air permits and emissions information.

Date of Government Version: 05/10/2006	Source: Illinois EPA
Date Data Arrived at EDR: 05/15/2006	Telephone: 217-557-0314
Date Made Active in Reports: 06/19/2006	Last EDR Contact: 05/03/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/30/2006
	Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 202-208-3710
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Semi-Annually

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/24/2006	Telephone: N/A
Date Made Active in Reports: 05/02/2006	Last EDR Contact: 07/05/2006
Number of Days to Update: 8	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/31/2006	Telephone: 518-402-8651
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 05/31/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/28/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/11/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Homes & Centers Listing

Source: Department of Children & Family Services

Telephone: 312-814-4150

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SSF R. E. WALTON USARC, IL
1002 LEININGER ROAD
FAIRFIELD, IL 62837

TARGET PROPERTY COORDINATES

Latitude (North): 38.37690 - 38° 22' 36.8"
Longitude (West): 88.3733 - 88° 22' 23.9"
Universal Tranverse Mercator: Zone 16
UTM X (Meters): 380041.9
UTM Y (Meters): 4248320.5
Elevation: 473 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 38088-D4 GEFF, IL
Most Recent Revision: 1970

East Map: 38088-D3 FAIRFIELD, IL
Most Recent Revision: 1970

Southeast Map: 38088-C3 BURNT PRAIRIE, IL
Most Recent Revision: 1970

South Map: 38088-C4 BOYLESTON, IL
Most Recent Revision: 1970

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

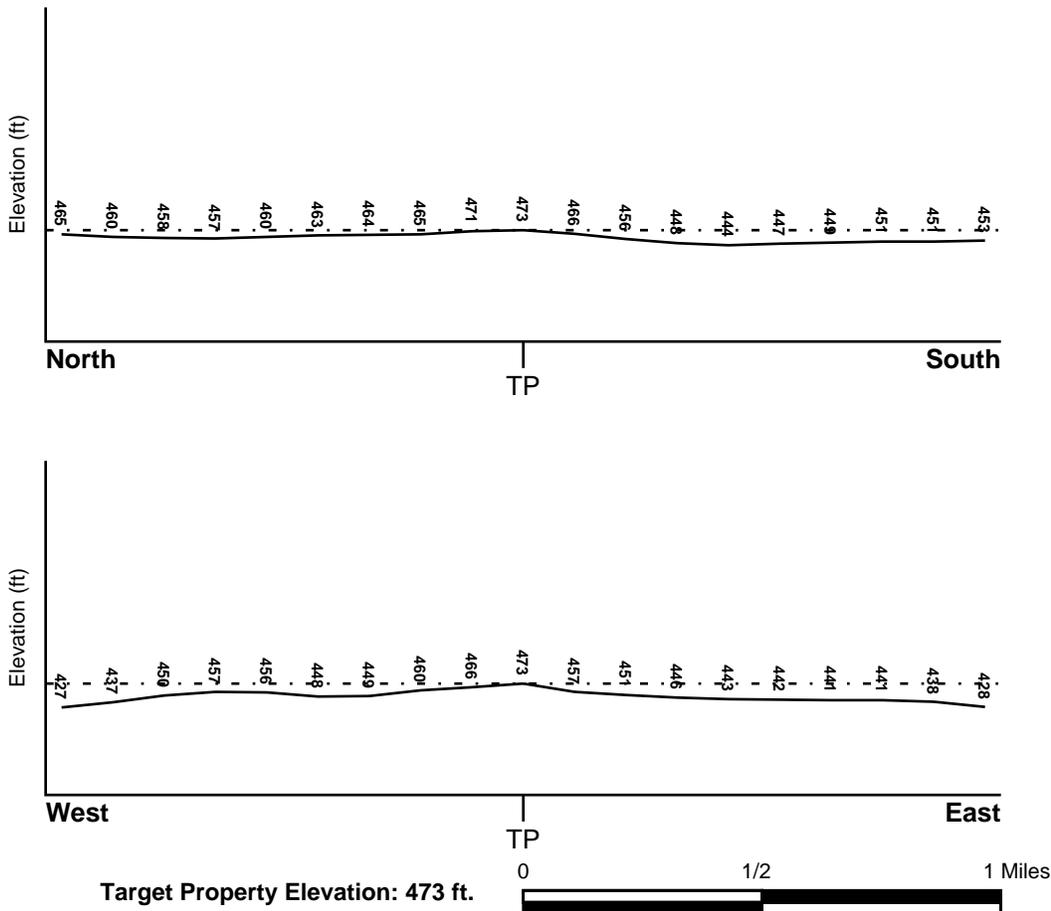
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood Electronic Data</u>
WAYNE, IL	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
FAIRFIELD	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Pennsylvanian
Series: Missourian Series
Code: PP3 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: BLUFORD
Soil Surface Texture: silt loam
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 4.50
2	9 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.20	Max: 6.00 Min: 3.60
3	16 inches	36 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.60 Min: 0.06	Max: 5.50 Min: 3.60
4	36 inches	60 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.20 Min: 0.06	Max: 6.00 Min: 3.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
silty clay loam
clay loam

Surficial Soil Types: loam
silty clay loam
clay loam

Shallow Soil Types: silty clay loam
silty clay

Deeper Soil Types: loam
sandy loam
clay loam
silty clay loam
stratified

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

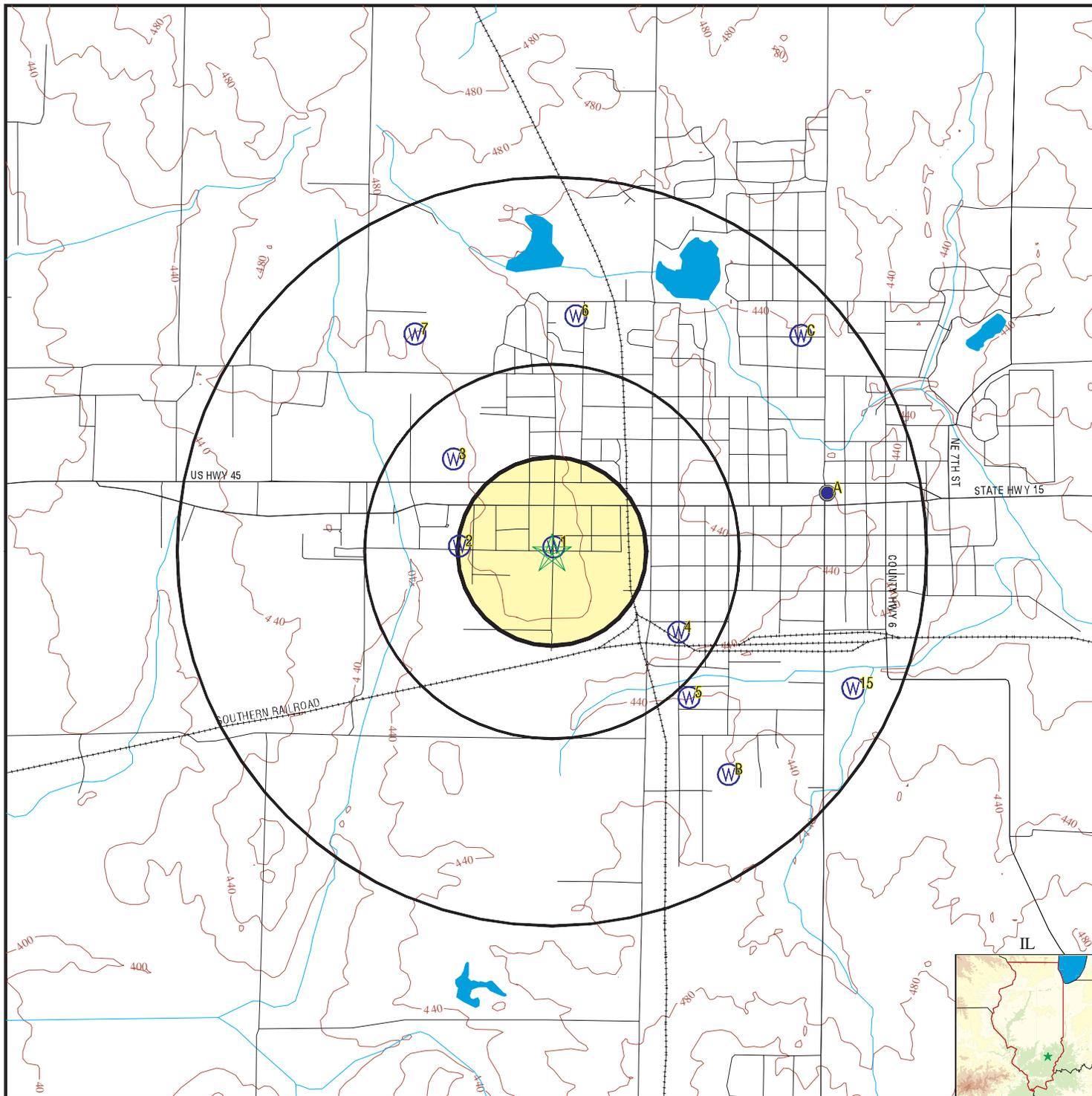
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A12	IL0054569	1/2 - 1 Mile East

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	IL10015969	0 - 1/8 Mile NNE
2	IL10015970	1/8 - 1/4 Mile West
3	IL10016090	1/4 - 1/2 Mile NW
4	IL10015896	1/4 - 1/2 Mile ESE
5	IL10015821	1/2 - 1 Mile SE
6	IL10016249	1/2 - 1 Mile North
7	IL10016232	1/2 - 1 Mile NNW
A8	IL10016051	1/2 - 1 Mile ENE
B9	IL10015738	1/2 - 1 Mile SE
B10	IL10015739	1/2 - 1 Mile SE
A11	IL10016050	1/2 - 1 Mile ENE
B13	IL10015732	1/2 - 1 Mile SE
C14	IL10016229	1/2 - 1 Mile NE
15	IL10015839	1/2 - 1 Mile ESE
C16	IL10016227	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 01714247.92r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data



SITE NAME: SSF R. E. Walton USARC, IL
 ADDRESS: 1002 LEININGER ROAD
 FAIRFIELD IL 62837
 LAT/LONG: 38.3769 / 88.3733

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01714247.92r
 DATE: July 13, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
NNE
0 - 1/8 Mile
Higher

IL WELLS IL10015969

Source:	IL Water Wells Records		
Objectid:	190926		
Api:	121910662900	Status:	WATER
Longitude:	-88.373134		
Latitude:	38.376969		
Section :	1		
Twp:	2		
Tdir:	S		
Rng:	7		
Rdir:	E	Farm name:	Kayse George
Farm num:	Not Reported	Company na:	Musgrave Orville
Elevation:	0		
Elevref:	Not Reported		
Total dept:	50		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.37320558		
Shapey:	38.37707008		
Site id:	IL10015969		

2
West
1/8 - 1/4 Mile
Lower

IL WELLS IL10015970

Source:	IL Water Wells Records		
Objectid:	158177		
Api:	121910663200	Status:	WATER
Longitude:	-88.377773		
Latitude:	38.377008		
Section :	1		
Twp:	2		
Tdir:	S		
Rng:	7		
Rdir:	E	Farm name:	Monroe John
Farm num:	Not Reported	Company na:	Musgrave Orville
Elevation:	0		
Elevref:	Not Reported		
Total dept:	60		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.37784571		
Shapey:	38.37711007		
Site id:	IL10015970		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

3
NW
1/4 - 1/2 Mile
Lower

IL WELLS IL10016090

Source:	IL Water Wells Records		
Objectid:	152324		
Api:	121910662500	Status:	WATER
Longitude:	-88.378046		
Latitude:	38.380379		
Section :	1		
Twp:	2		
Tdir:	S		
Rng:	7		
Rdir:	E	Farm name:	Berger F E
Farm num:	Not Reported	Company na:	Musgrave Orville
Elevation:	0		
Elevref:	Not Reported		
Total dept:	66		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.37813972		
Shapey:	38.38048109		
Site id:	IL10016090		

4
ESE
1/4 - 1/2 Mile
Lower

IL WELLS IL10015896

Source:	IL Water Wells Records		
Objectid:	203663		
Api:	121910686500	Status:	WATER
Longitude:	-88.366999		
Latitude:	38.373675		
Section :	6		
Twp:	2		
Tdir:	S		
Rng:	8		
Rdir:	E	Farm name:	Turner E J
Farm num:	Not Reported	Company na:	Musgrave Orville
Elevation:	0		
Elevref:	Not Reported		
Total dept:	35		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.36707139		
Shapey:	38.37377707		
Site id:	IL10015896		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

5
SE
1/2 - 1 Mile
Lower

IL WELLS IL10015821

Source:	IL Water Wells Records		
Objectid:	24307		
Api:	121912891100	Status:	WATER
Longitude:	-88.367216		
Latitude:	38.371251		
Section :	7		
Twp:	2		
Tdir:	S		
Rng:	8		
Rdir:	E	Farm name:	Bunting Larry
Farm num:	1	Company na:	Wilson, Olan L.
Elevation:	0		
Elevref:	Not Reported		
Total dept:	133		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.36655338		
Shapey:	38.37124306		
Site id:	IL10015821		

6
North
1/2 - 1 Mile
Lower

IL WELLS IL10016249

Source:	IL Water Wells Records		
Objectid:	198123		
Api:	121913154900	Status:	WATER
Longitude:	-88.372049		
Latitude:	38.385923		
Section :	36		
Twp:	1		
Tdir:	S		
Rng:	7		
Rdir:	E	Farm name:	McKneelen, Jerry
Farm num:	1	Company na:	Wilson, DeNeal
Elevation:	0		
Elevref:	Not Reported		
Total dept:	80		
Wformation:	sandstone		
Wfmfrom:	40		
Wfmto:	80		
Pumpgpm:	7		
Shapex:	-88.37212153		
Shapey:	38.38602511		
Site id:	IL10016249		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

7
NNW
1/2 - 1 Mile
Lower

IL WELLS IL10016232

Source:	IL Water Wells Records		
Objectid:	196487		
Api:	121913162400	Status:	WATER
Longitude:	-88.379959		
Latitude:	38.385219		
Section :	36		
Twp:	1		
Tdir:	S		
Rng:	7		
Rdir:	E	Farm name:	Vaughn, Luke
Farm num:	1	Company na:	Puckett, Arnold L.
Elevation:	0		
Elevref:	Not Reported		
Total dept:	100		
Wformation:	sandstone		
Wfmfrom:	72		
Wfmto:	78		
Pumpgpm:	2		
Shapex:	-88.38003177		
Shapey:	38.3853201		
Site id:	IL10016232		

A8
ENE
1/2 - 1 Mile
Lower

IL WELLS IL10016051

Source:	IL Water Wells Records		
Objectid:	142676		
Api:	121910686400	Status:	WATER
Longitude:	-88.360027		
Latitude:	38.379184		
Section :	6		
Twp:	2		
Tdir:	S		
Rng:	8		
Rdir:	E	Farm name:	Owen Luther
Farm num:	Not Reported	Company na:	Musgrave Orville
Elevation:	0		
Elevref:	Not Reported		
Total dept:	27		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.36009818		
Shapey:	38.37928609		
Site id:	IL10016051		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B9
SE
1/2 - 1 Mile
Lower

IL WELLS IL10015738

Source:	IL Water Wells Records		
Objectid:	103679		
Api:	121910686800	Status:	WATER
Longitude:	-88.364682		
Latitude:	38.368305		
Section :	7		
Twp:	2		
Tdir:	S		
Rng:	8		
Rdir:	E	Farm name:	Antrim Sylvester
Farm num:	Not Reported	Company na:	Musgrave Orville
Elevation:	0		
Elevref:	Not Reported		
Total dept:	52		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.36475333		
Shapey:	38.36840604		
Site id:	IL10015738		

B10
SE
1/2 - 1 Mile
Lower

IL WELLS IL10015739

Source:	IL Water Wells Records		
Objectid:	147544		
Api:	121910687600	Status:	WATER
Longitude:	-88.364682		
Latitude:	38.368305		
Section :	7		
Twp:	2		
Tdir:	S		
Rng:	8		
Rdir:	E	Farm name:	Malt Jerry G
Farm num:	Not Reported	Company na:	Musgrave Orville
Elevation:	0		
Elevref:	Not Reported		
Total dept:	25		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.36475333		
Shapey:	38.36840604		
Site id:	IL10015739		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A11
ENE
1/2 - 1 Mile
Lower

IL WELLS IL10016050

Source:	IL Water Wells Records		
Objectid:	42413		
Api:	121910667000	Status:	WATER
Longitude:	-88.359609		
Latitude:	38.379183		
Section :	6		
Twp:	2		
Tdir:	S		
Rng:	8		
Rdir:	E	Farm name:	Public Well
Farm num:	Not Reported	Company na:	Barnard, Prest. O&MRR
Elevation:	0		
Elevref:	Not Reported		
Total dept:	433		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.35968117		
Shapey:	38.37928409		
Site id:	IL10016050		

A12
East
1/2 - 1 Mile
Lower

FRDS PWS IL0054569

PWS ID:	IL0054569	PWS Status:	Active
Date Initiated:	7706	Date Deactivated:	Not Reported
PWS Name:	JASPER GENERAL BAPTIST CHURCH		
	RFD JASPER TWP SEC 20		
	FAIRFIELD, IL 62837		
Addressee / Facility:	Not Reported		
Facility Latitude:	38 22 44	Facility Longitude:	088 21 34
City Served:	Not Reported		
Treatment Class:	Untreated	Population:	00000025
PWS currently has or had major violation(s) or enforcement:	No		

B13
SE
1/2 - 1 Mile
Lower

IL WELLS IL10015732

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Source:	IL Water Wells Records		
Objectid:	200363		
Api:	121910687000	Status:	WATER
Longitude:	-88.364333		
Latitude:	38.367959		
Section :	7		
Twp:	2		
Tdir:	S		
Rng:	8		
Rdir:	E	Farm name:	Ellis Paul
Farm num:	Not Reported	Company na:	Musgrave Orville
Elevation:	0		
Elevref:	Not Reported		
Total dept:	33		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.36433331		
Shapey:	38.36797404		
Site id:	IL10015732		

**C14
NE
1/2 - 1 Mile
Lower**

IL WELLS IL10016229

Source:	IL Water Wells Records		
Objectid:	182282		
Api:	121910686600	Status:	WATER
Longitude:	-88.361264		
Latitude:	38.385163		
Section :	6		
Twp:	2		
Tdir:	S		
Rng:	8		
Rdir:	E	Farm name:	Withrow Ada
Farm num:	Not Reported	Company na:	Musgrave Orville
Elevation:	0		
Elevref:	Not Reported		
Total dept:	33		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.36133621		
Shapey:	38.38526411		
Site id:	IL10016229		

**15
ESE
1/2 - 1 Mile
Lower**

IL WELLS IL10015839

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Source:	IL Water Wells Records		
Objectid:	207030		
Api:	121913124600	Status:	WATER
Longitude:	-88.358427		
Latitude:	38.371501		
Section :	7		
Twp:	2		
Tdir:	S		
Rng:	8		
Rdir:	E	Farm name:	Indpdent Oil Well Cmting Co
Farm num:	1	Company na:	Puckett, Arnold L.
Elevation:	0		
Elevref:	Not Reported		
Total dept:	130		
Wformation:	sandstone		
Wfmfrom:	84		
Wfmto:	130		
Pumpgpm:	12		
Shapex:	-88.35849913		
Shapey:	38.37160206		
Site id:	IL10015839		

**C16
NE
1/2 - 1 Mile
Lower**

IL WELLS IL10016227

Source:	IL Water Wells Records		
Objectid:	66771		
Api:	121910686300	Status:	WATER
Longitude:	-88.360703		
Latitude:	38.385160		
Section :	6		
Twp:	2		
Tdir:	S		
Rng:	8		
Rdir:	E	Farm name:	Green Herbert
Farm num:	Not Reported	Company na:	Musgrave Orville
Elevation:	0		
Elevref:	Not Reported		
Total dept:	32		
Wformation:	Not Reported		
Wfmfrom:	0		
Wfmto:	0		
Pumpgpm:	0		
Shapex:	-88.3607752		
Shapey:	38.38526211		
Site id:	IL10016227		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: IL Radon

Radon Test Results

Floor	# Sites	Min pCi/L	Avg pCi/L	Max pCi/L	# Sites>4pCi/L	# Sites>20	County
Basement	11	0.3	1.3	3.1	0	0	WAYNE
1st Floor living area	4	0.3	0.5	1.1	0	0	WAYNE
1st Floor bedroom	5	0.6	0.7	0.9	0	0	WAYNE
Total	20	0.3	1	3.1	0	0	WAYNE

Federal EPA Radon Zone for WAYNE County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 62837

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.700 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Records

Source: Illinois Geological Survey

Telephone: 217-333-4747

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)

Source: Illinois State Water Survey

Telephone: 217-333-9043

Water Well Location Information

Source: Illinois Environmental Protection Agency

Telephone: 217-782-0810

OTHER STATE DATABASE INFORMATION

RADON

State Database: IL Radon

Source: Department of Nuclear Safety

Telephone: 217-785-9958

County Radon Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Fax To: CH2M Hill
Contact: Mary Beth Jacques
Fax : 404-229-9152
Date: 07/13/2006

Fax From: Bart Sobieralski
EDR
Phone: 1-800-352-0050

EDR PUR-IQ[®] Report

"the intelligent way to conduct historical research"

for
SSF R. E. Walton USARC, IL
1002 LEININGER ROAD
FAIRFIELD, IL 62837
Lat./Long. 38.37690 / 88.37330
EDR Inquiry # 01714247.92r

The EDR PUR-IQ report facilitates historical research planning required to complete the Phase I ESA process. The report identifies the *likelihood* of prior use coverage by searching proprietary EDR-Prior Use Reports[®] comprising nationwide information on: city directories, fire insurance maps, aerial photographs, historical topographic maps, flood maps and National Wetland Inventory maps.

Potential for EDR Historical (Prior Use) Coverage - Coverage in the following historical information sources may be used as a guide to develop your historical research strategy:

- 1. City Directory:** Coverage may exist for portions of Wayne County, IL.
- 2. Fire Insurance Map:** When you order online any EDR Package or the EDR Radius Map with EDR Sanborn Map Search/Print, you receive site specific Sanborn Map coverage information at no charge.
- 3. Aerial Photograph:** Aerial photography coverage may exist for portions of Wayne County. Please contact your EDR Account Executive for information about USGS photos available through EDR.
- 4. Topographic Map:** The USGS 7.5 min. quad topo sheet(s) associated with this site:

Historical: Coverage exists for Wayne County

Current: Target Property: TP | 1970 | 38088-D4 Geff, IL
Additional required for 1 Mile radius: E | 1970 | 38088-D3 Fairfield, IL
SE | 1970 | 38088-C3 Burnt Prairie, IL
S | 1970 | 38088-C4 Boyleston, IL

EDR's network of professional researchers, located throughout the United States, accesses the most extensive national collections of city directory, fire insurance maps, aerial photographs and historical topographic map resources available for FAIRFIELD, IL. These collections may be located in multiple libraries throughout the country. To ensure maximum coverage, EDR will often assign researchers at these multiple locations on your behalf. Please call or fax your EDR representative to authorize a search.



EDR™ Environmental
Data Resources Inc

EDR - HISTORICAL SOURCE(S) ORDER FORM

**CH2M Hill
Mary Beth Jacques
Account # 1592163**

**SSF R. E. Walton USARC, IL
1002 LEININGER ROAD
FAIRFIELD, IL 62837
Wayne County
Lat./Long. 38.37690 / 88.37330
EDR Inquiry # 01714247.92r**

Should you wish to change or add to your order, fax this form to your EDR account executive:

**Bart Sobieralski
Ph: 1-800-352-0050 Fax: 1-800-231-6802**

Reports

- EDR Sanborn Map® Search/Print
- EDR Fire Insurance Map Abstract
- EDR Multi-Tenant Retail Facility® Report
- EDR City Directory Abstract
- EDR Aerial Photo Decade Package
- USGS Aerial 5 Package
- USGS Aerial 3 Package
- EDR Historical Topographic Maps
- Paper Current USGS Topo (7.5 min.)
- Environmental Lien Search
- Chain of Title Search
- NJ MacRaes Industrial Directory Report
- EDR Telephone Interview

Shipping:

- Email
- Express, Next Day Delivery
- Express, Second Day Delivery
- Express, Next day Delivery
- Express, Second Day Delivery
- U.S. Mail

Customer Account
Customer Account

RUSH SERVICE IS AVAILABLE

Acct # _____
Acct # _____

Thank you



"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Mary Beth Jacques
CH2M Hill
1569 Stampmill Way
Lawrenceville, GA 30043

Order Date: 7/12/2006 **Completion Date:** 7/13/2006
Inquiry #: 1714247.93s
P.O. #: NA
Site Name: SSF R. E. Walton USARC IL

Address: 1002 LEININGER ROAD

City/State: FAIRFIELD, IL 62837

Cross Streets:

Customer Project: NA

1592163BAS 770-338-1589

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.