

PHASE I  
ENVIRONMENTAL SITE ASSESSMENT

for the

RICHARDS-GEBAUR MEMORIAL AIRPORT  
SITE A (55-ACRE TRACT)  
KANSAS CITY, MISSOURI

prepared for

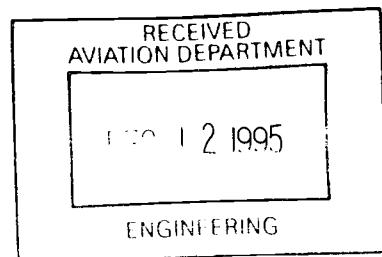
THE CITY OF KANSAS CITY, MISSOURI  
AVIATION DEPARTMENT  
KANSAS CITY, MISSOURI

PSI PROJECT NUMBER 5985E124

November 8, 1995



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*Information To Build On*

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## SUMMARY

Professional Service Industries has performed a Phase I Environmental Site Assessment in general accordance with the scope and limitations of ASTM E 1527-94 for the subject parcel located on the Richards-Gebaur Memorial Airport in Kansas City, Jackson County, Missouri. The 55-acre tract is located on the east area of the airport north of 155th Street. The subject site consists of vacant grass land with no building improvements. Any exceptions to, or deletions from, this standard of practice are described in the report.

This assessment has revealed evidence of recognized environmental conditions in connection with the site, including:

The subject site is registered as a underground storage tank (UST) facility. The south central portion of the subject site was previously developed with a building, numbered 1301. According to the Missouri Department of Natural Resources (MDNR) the UST is a 4,000-gallon petroleum tank listed as permanently closed in-place. According to Mr. Wilsmeyer, the site was in service from 1974 until 1977. The site was demolished in 1989 with the UST being removed at that time. No UST Closure Report is known to exist.

This Summary is not to be used alone. The report must be read in its entirety.

## **INTRODUCTION**

### **PURPOSE AND SCOPE**

This Phase I Environmental Site Assessment (ESA) was performed to identify, to the extent feasible, recognized environmental conditions in connection with the site. The protocol utilized for this assessment is in general accordance with the requirements of ASTM Standard E 1527-94.

The site assessment included four components: Records Review, Site Reconnaissance, Interviews and Report Preparation. The purpose of the records review is to obtain and review records that will help identify recognized environmental conditions in connection with the site. The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the site. The objective of the interviews is to obtain additional information indicating recognized environmental conditions in connection with the site. The report includes documentation to support the analysis, opinions and conclusions as presented.

### **AUTHORIZATION**

Authorization to perform this assessment was given verbally by Mr. Dennis Wilmsmeyer, Airport Planner with the City of Kansas City, Missouri, Aviation Department. A proposal was prepared by PSI (Proposal No. 598121, dated October 4, 1995) and a Purchase Order was issued for the project in accordance with the Annual Environmental Services Contract, Number PA2869, dated January 4, 1994, between the City of Kansas City, Missouri, and PSI.

### **ACCESS**

Field reconnaissance was performed on October 12, 1995. Instructions as to the location of the subject site, access, and an explanation of the subject site and facilities to be assessed were provided by Mr. Dennis Wilmsmeyer and Mr. John McLendon, of the City of Kansas City, Missouri, Aviation Department.

### **INFORMATION PROVIDED BY CLIENT**

The following site information was provided to PSI by Mr. Wilmsmeyer with the Aviation Department or Mr. Mark Esch with the U.S. Air Force Base Conversion Agency.

ITEM	PROVIDED BY CLIENT	NOT PROVIDED BY CLIENT	DISCUSSED BELOW	DOES NOT APPLY
Environmental Questionnaire and Disclosure Statement			X	
Site Plan	X		X	
Legal Description		X		
Chain of Title		X		
Identification of Key Site Manager	X		X	
Letter of Access		X		
Environmental Liens		X		
Specialized Knowledge	X		X	

### **Environmental Questionnaire and Disclosure Statement**

A copy of the questionnaire was provided to Mr. Wilmsmeyer which was then forwarded to Mr. Mark Esch of the U.S. Air Force Base Conversion Agency. The questionnaire was not completed and returned to PSI by the date of this report.

### **Site Plan**

A Site Plan was provided to PSI by Mr. Dennis Wilmsmeyer. A copy of the map, as provided to PSI, is included in Appendix A.

### **Identification of Key Site Manager**

The Key Site Manager was identified as Mr. Dave Malecki of the City of Kansas City, Missouri, Aviation Department. The Key Site Manager's contact address is 15405 Maxwell Road, Kansas City, Missouri and the contact telephone number is (816) 322-0001. At the time of the assessment Mr. Malecki was not available, however, Mr. John McLendon with the City of Kansas City, Missouri Aviation Department located at the same office allowed access onto the subject site.

### **Specialized Knowledge**

Additional information was provided to PSI by Mr. Dennis Wilmsmeyer and Mr. Mark Esch. This information is discussed in the Additional Local Records section of this report.

Information provided by the client has been incorporated into the body of the report and copies are included in the Appendix.

## **WARRANTY**

### **Phase I Assessment**

PSI warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the protocol. These methodologies are described by the standard as representing good commercial and customary practice for conducting an Environmental Site Assessment of a parcel of property for the purpose of identifying recognized environmental conditions. However, these findings and conclusions contain all of the limitations inherent in these methodologies which are referred to in the protocol and some of which are more specifically set forth below.

No other warranties are implied or expressed.

## **LIMITATIONS AND EXCEPTIONS OF ASSESSMENT**

Along with all the limitations set forth in various sections of the protocol, the accuracy and completeness of this report is necessarily limited by the following:

### **Chain Of Title**

Chain of Title was not provided by the client for review by PSI. According to the Basewide Environmental Baseline Survey Richards-Gebaur Air Force Base, Missouri report, the property is known to have been owned by either the City of Kansas City, Missouri, or the U.S. Air Force since 1941.

### **Vegetation**

Located throughout the subject site were areas of vegetation ranging from 1' to 6' in height. Visual observations were limited due to the overgrowth.

### **Richards-Gebaur Reports**

There is a magnitude of information regarding the Richards-Gebaur Airport which exists at different governing agencies (i.e. Corps of Engineers, U.S. Air Force, U.S. EPA, MDNR, and the City of Kansas City, Missouri). This report is limited to the information made available at the time of this assessment.

## **UNIDENTIFIABLE CONDITIONS**

There is a possibility that even with proper application of these methodologies, there may exist on the subject site conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. PSI believes that the information obtained from the records review and the interviews concerning the site is reliable. However, PSI cannot and does not warrant or guarantee that the information provided by these other sources is

accurate or complete. The methodologies of this assessment are not intended to produce all inclusive or comprehensive results, but rather to provide the client with information regarding apparent suspicions of existing and potential adverse environmental conditions relating to the subject property.

### **USE BY THIRD PARTIES**

This report was prepared pursuant to the contract PSI has with the City of Kansas City, Missouri. That contractual relationship included an exchange of information about the subject site that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than the City of Kansas City, Missouri, for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to PSI's contract with the City of Kansas City, Missouri.

Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

## **SITE DESCRIPTION**

### **LOCATION**

The subject site is located on the Richards-Gebaur Memorial Airport, in Kansas City, Jackson County, Missouri. The 55-acre tract is located on the east area of the airport, north of 155th Street.

### **LEGAL DESCRIPTION**

A copy of the legal description for the Richards-Gebaur Airport was provided to PSI by Mr. Wilmsmeyer, however, the subject site does not appear to be included in the document.

### **VICINITY CHARACTERISTICS**

The subject site is located on the Richards-Gebaur Memorial Airport. The site is situated north of 155th Street and adjacent to the west of the St. Louis-San Francisco Railroad. The adjacent properties to the north and west consist of vacant grass land.

### **SUBJECT SITE DESCRIPTION**

The subject site consists of undeveloped vacant grass land. The property size as defined by Mr. Wilmsmeyer is approximately 2,000 feet from east to west beginning at the St. Louis-San Francisco Railroad and 1,500 feet from south to north beginning at 155th Street. The south central portion (the highest elevation of the property) appears to have had prior development. A concrete slab, fencing and piping are evident in this area. Located on the north central portion of the site is a man-made pond. With the estimated boundaries only the southern half of this pond is located on-site. Surface water drainage from the subject site collects into this pond.

#### **Utilities**

The subject site is currently vacant with no active utilities being utilized on the site. Located on the south area of the subject site and parallel to 155th Street was evidence of a underground gas line, underground telephone cable and overhead power lines.

Electrical services by Missouri Public Service

Telephone services by South Western Bell

Gas Services by Missouri Gas Energy

### **SUBJECT SITE USE**

#### **Current Use**

The subject site is currently unoccupied.

### **Past Use**

To the extent that indications of past uses of the site were visually or physically observed on the site visit, or were identified in the interviews or record review, they are identified below and described if they are likely to have involved the use, treatment, storage, disposal or generation of hazardous substances or petroleum products.

Review of a 1967 aerial photograph revealed that the subject site appeared similar to current conditions with evidence of a building located on the south central portion of the subject site along 155th Street. The usage of the building could not be determined by visual observations or aerial photograph review.

### **ADJOINING PROPERTY USE**

#### **Current Use**

The current use of adjoining properties was observed from the subject site as follows:

North - North of the subject site is additional vacant grass land and Scope Creek. Located farther north, across Scope Creek, lies the Small Arms Range, a skeet range and the northeast landfill.

East - East of the subject site is the St. Louis-San Francisco Railroad across which is vacant grass land. Farther east is the U.S. Highway 71.

South - South of the subject site is 155th Street across which lies the Belton Inn and a nursery. Located to the southeast across 155th Street lies Lawndale Road. Located along Lawndale Road lies a Dominos Pizza restaurant, Kentucky Fried Chicken and Conoco gasoline station.

West - West of the subject site is vacant grass land and a man-made pond. Located father west is the main entrance to Richards-Gebaur Airport and the Aviation Department office building.

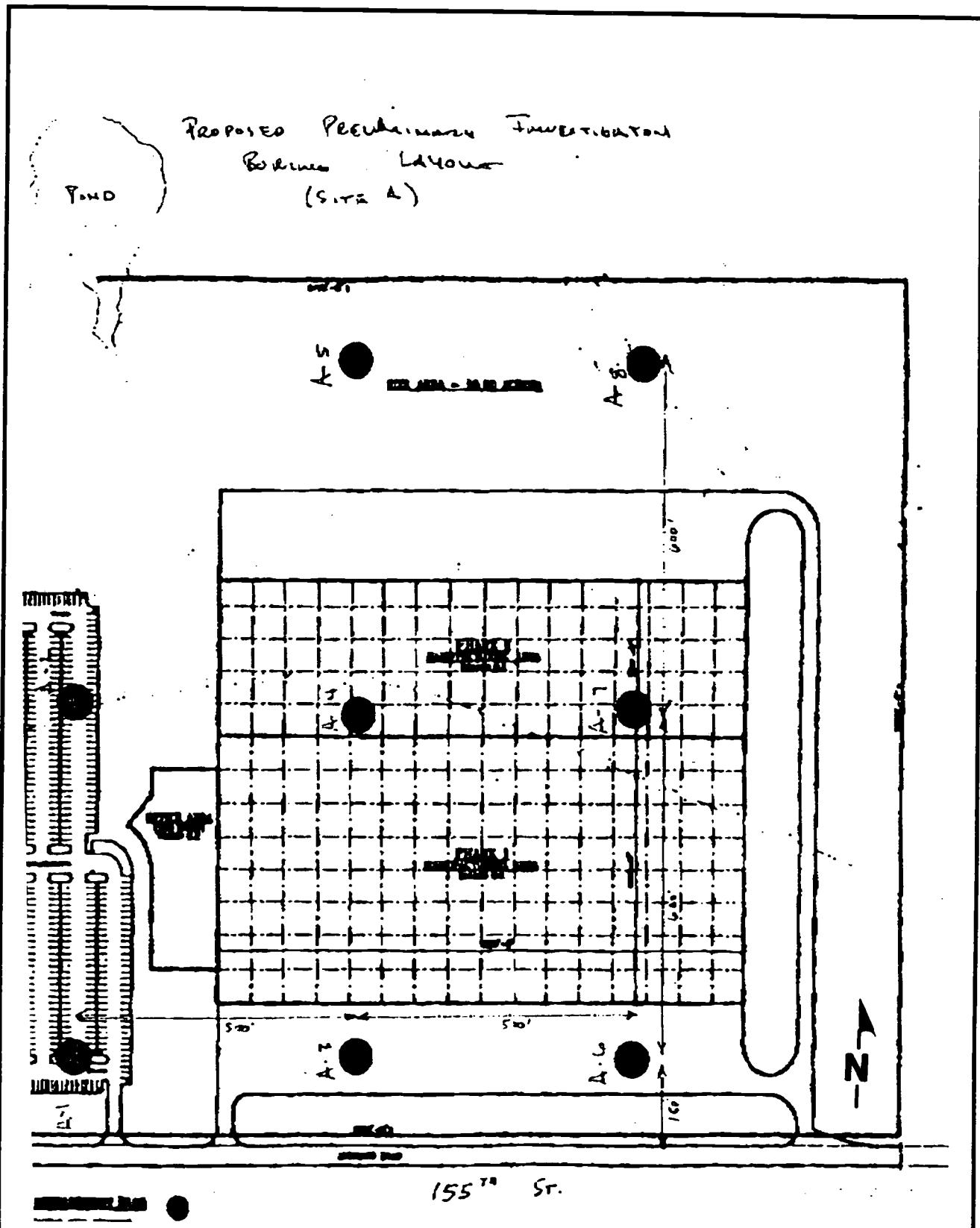
#### **Past Use**

To the extent that indications of past uses of the adjoining sites were visually or physically observed on the site visit, or were identified in the interviews or record review, they are identified below and described if they are likely to have involved the use, treatment, storage, disposal or generation of hazardous substances or petroleum products.

No past usage of adjoining sites could be determined from visual observations.

### **SITE MAP**

A Client provided Site Map is included on the following page.



Site Name: Richards-Gebaur Memorial Airport Site A, 55-Acre Tract along 155th Street Kansas City, Missouri	Project No: 5985E124 Date: 10/30/95
	<b>Site Plan Map</b>

## **RECORDS REVIEW**

### **STANDARD FEDERAL AND STATE ENVIRONMENTAL RECORD SOURCES**

Information from standard federal and state environmental record sources is provided through Environmental Data Resources, Inc. (EDR). The EDR reports were provided to PSI for use and inclusion in this report. Regulatory information from the following sources regarding possible recognized environmental conditions within the noted distance from the subject site was reviewed. Refer to Appendix C for a complete listing.

#### **Federal**

<u>List</u>	<u>Approximate Search Distance, Miles</u>
Federal NPL List	1.0
Federal CERCLIS List	0.5
Federal RCRA TSD Facilities List	1.0
Federal RCRA Generators List	Site and adjoining properties
Federal ERNS List	Site only

#### **State**

<u>List</u>	<u>Approximate Search Distance, Miles</u>
Missouri State SCL List	1.0
Missouri State SWLF List	0.5
Missouri State LUST List	0.5
Missouri State UST List	Property and adjoining properties

## **FINDINGS FROM LISTS**

### **Federal NPL Listing**

The National Priorities (Superfund) List is the EPA database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.

No NPL sites were listed within one mile of the subject site.

### **Federal CERCLIS Listing**

This list is a compilation of sites which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

The Richards-Gebaur Air Force Base is listed as a CERCLIS site. No additional information was obtainable from EDR.

#### **Federal RCRA TSD Facilities Listing**

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA TSD database is a compilation by the EPA of reporting facilities that transport, treat, store or dispose of hazardous waste.

No RCRA TSD facilities were listed within one mile of the subject site.

#### **Federal RCRA Generators Listing**

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

No RCRA generators were listed on or adjacent to the subject site.

#### **Federal Emergency Response Notification System (ERNS)**

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil or hazardous substances.

No ERNS listings were reported for the subject site.

#### **State Contaminated Sites Listings**

The State of Missouri Department of Natural Resources (MDNR) maintains a listing of identified contaminated sites in the State of Missouri.

No SPL sites were listed within one mile of the subject site.

#### **Solid Waste Landfill Listings**

The MDNR maintains a directory of Sanitary Landfills and Refuse Collectors in the State of Missouri.

No Sanitary Landfills or Refuse Collector facilities were listed for Richards-Gebaur Memorial Airport.

#### **Registered Underground Storage Tanks**

The MDNR maintains a listing of registered USTs in the State of Missouri.

Building 1301 located on the south central portion of the subject site was listed as a UST facility. Two other UST facilities were listed without street addresses.

Richards-Gebaur Airport  
15415 Denver Avenue, Building 1301 (**SUBJECT SITE**)  
Kansas City, Missouri 64147  
Facility ID: UT0012635  
Total Tanks: 1  
Status: Permanently Closed In Place  
Capacity: 4,000-gallon  
Substance: Petroleum  
Note: According to Aviation Department records the UST is believed to have been removed around 1989.

Richards-Gebaur Airport  
No Street Address  
Kansas City, MO  
Facility ID: UT0012634  
Total Tanks: 1  
Status: Permanently Closed In Place  
Capacity: 2,000  
Substance: Diesel

Richards-Gebaur Airport  
No Street Address  
Kansas City, MO  
Facility ID: UT0012623  
Total Tanks: 6  
Status: All Permanently Closed In Place  
Capacity: 4 x 3,000-gallons, 1 x 4,000-gallon, and 1 x 500-gallon  
Substance: Five contained gasoline and one contained used oil  
Note: According to Mr. Malecki, this site is the former gasoline station. Mr. Malecki's records indicate that the site and tanks were removed in 1988. The site is currently the location of a new USMC Building. With the above information, this facility would be located greater than 2,000 feet northwest of the subject site. With this distance and surface topography the USTs would not likely affect the subject site. Surface topography appears to slope in a northeasterly direction into Scope Creek which flows adjacent to the north of the subject site towards the east.

### **Leaking Underground Storage Tanks**

The MDNR maintains a listing of reported leaking USTs (LUSTs) in the State of Missouri.

One LUST facility was identified within one-half mile of the subject site.

Richards-Gebaur Air Base  
15404 Maxwell Avenue  
Kansas City, Missouri  
LUST Number: LU2102  
Status: No Information

Note: According to the USGS Topographic Map this facility is located approximately 1200 feet west of the subject site. Surface topography appears to slope in a northeasterly direction into Scope Creek which flows adjacent to the north of the subject site towards the east. Due to the distance and surface topography between the LUST facility and the subject site and the location of Scope Creek, it does not appear likely that the subject site would be impacted.

## **ADDITIONAL LOCAL RECORDS**

The following additional local records were reviewed, and the findings are presented below.

### **Fire Department**

The Richards-Gebaur Memorial Airport Fire Department was contacted for information on environmental incidents or reported USTs at the subject site. According to the Fire Department Captain, the only response to the subject site was for burning railroad ties.

## **PHYSICAL SETTING SOURCES**

### **Topographic Map Review**

The USGS Belton, Missouri-Kansas Quadrangle, 7.5 minute topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject site ranges in elevations from approximately 1000 to 1050 feet above Mean Sea Level. The contour lines in the area of the subject site indicate the area slopes down towards the west, north and east. A building structure is shown to be located at the highest elevation on the south central portion of the subject site. An unimproved road is also located along the east area of the site which leads to the north adjacent property towards a building located south of Scope Creek.

### **Soil Conservation Service Map**

The USDA, Soil Conservation Service, Soil Survey of Jackson County, Missouri, was reviewed for this ESA. According to this survey the majority of soils located on the eastern and northern areas of the subject site are classified as Greenton silty clay loam complex with 5 to 9 percent slopes. The northwest area of the subject site are classified as Snead-Rock outcrop complex, with 5 to 14 percent slopes. The southwest corner of the subject site are classified as Sampsel silty clay loam complex with 5 to 9 percent slopes. The highest elevation area of the subject site, the south central portion, is classified as Sharpbury silt loam complex with 2 to 5 percent slopes.

The Greenton silty clay loam complex is deep, moderately sloping, somewhat poorly drained soil which is on upland side slopes. This soil commonly is below areas that usually have outcrops of limestone. Permeability is slow and surface runoff from cultivated areas is medium. Available water capacity is high with a seasonal high water table at a depth of 1 foot to 3 feet. The shrink-swell potential is high in the subsoil.

The Snead-Rock outcrop complex is moderately sloping to strongly sloping, moderately deep, moderately well drained with narrow bands of limestone Rock outcrop on convex side slopes. Permeability is slow and surface runoff is rapid. The available water capacity is low with a seasonal high water table at a depth of 2 to 3 feet. The shrink-swell potential is high in the subsoil.

The Sampsel silty clay loam complex is moderately sloping, poorly drained soil and is located on slightly concave side slopes and foot slopes along drainageways. Permeability is slow and surface runoff is medium. The available water capacity is moderate. A seasonal high water table ranges from near the surface to a depth of 1.5 feet. The shrink-swell potential is moderate in the surface soil and high in the subsoil.

The Sharpsburg silt loam complex is deep, gently sloping, moderately well drained on convex ridgetops. Permeability is moderately slow and surface runoff is medium. The available water capacity are high and the shrink-swell potential is moderate.

### **Flood Insurance Rate Map**

The US Department of Housing, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Rate Map of the City of Kansas City, Missouri (Community Panel Number 290173 0140 B) was reviewed for this assessment. According to the map, the subject site is located within Zone C. Zone C is located within an area of minimal flooding.

### **CLIENT PROVIDED INFORMATION**

The following information provided to PSI includes data for the entire Richards-Gebaur Airport. No specific details or information regarding the subject site were identified, however, adjacent property concerns and pertinent information are listed below.

Mr. Wilmsmeyer provided to PSI a copy of the Department of the Air Force, Basewide Environmental Baseline Survey Richards-Gebaur Air Force Base, Missouri, report dated December 1993. PSI has reviewed this document and included excerpts from the report into the body of this report. The following information was obtained from the report.

- The Adjacent Property Map (Figure 4-1) shows the subject site as having a underground storage tank (UST) located on the south central portion of the subject site. According to additional information provided by Mr. Wilmsmeyer, the building located on the subject site was number 1301 and had the street address of 15415 Denver Avenue, in Kansas City, Missouri.

- There are no active landfills at Richards-Gebaur AFB, and no known historical landfills (page S-4).
- At the time of the EBS report, all Air Force-owned transformers with 50 parts per million (ppm) or more PCBs have either been replaced with PCB-free equipment or retrofitted to bring the PCB concentration to below 50 ppm (page S-5). The U.S. EPA, Region VII, issued a Notice of Compliance to that effect on October 21, 1993 (page 3-20).
- Drainage Patterns. The airfield and on-base storm drainage facilities consist of a combination of open channels and closed drainage systems. All base stormwater drains into Scope Creek, which flows into the Little Blue River (page 3-7).
- West Burn Pit located west of the Richards-Gebaur Airport runway is a CERCLIS Site. The site was used from 1954 to 1955 for fire training. Waste oils, solvents, and fuels were deposited in an open pit and burned. The site was classified No Further Action on 12/18/89.
- The Northeast landfill located east of the Small Arms Range is listed as a Formerly Used Defense Site and was used for the disposal of miscellaneous wastes including building rubble, yard debris and wastes from some industrial shop area. The wastes were typically burned and buried in trenches. Dates of operation were 1961 through 1972. Current Status: Records Search and Site Inspection.
- Prior to 1941, the Richards-Gebaur Air Force Base property consisted of farmland.

Mr. Dennis Wilmsmeyer provided to PSI a copy of the U.S. Army Corps of Engineers, CDM Federal Programs Corporation (Project Number 6107-ODB, dated August 1995) report. PSI has reviewed this document and included excerpts from the report into the body of this report. The following information was obtained from the CDM report.

- CDM Federal Programs Corporation (CDM Federal) has been tasked with conducting a field investigation of potential contamination associated with waste disposal at Formerly Used Defense (FUD) Sites associated with operations of the USAF at the former Richards Gebaur Air Force Base in Belton, Missouri. CDM Federal has conducted a records review and evaluation, performed a visual site inspection, and prepared a Work Plan and a Site Health and Safety Plan for Richards Gebaur in accordance with the Scope of Work dated September 8, 1994 (page 2-1).
- The Northeast Landfill area is listed as a Formerly Used Defense Site (FUDS) (page 2-13).
- The Northeast Landfill is located in the Northeastern Quadrant of the Airport facility between Andrews Road and 155th Street. The area is bounded on the north by an abandoned spur of the St. Louis - San Francisco Railroad, on the east by the St. Louis - San Francisco Rail Line, on the south by Scope Creek, and on the west by a drainage swale just east of the Trap and Skeet Range. This site was

used as a demolition and industrial waste landfill between 1961 and 1972. The eastern half of the Northeast Landfill was used for waste storage. Empty drums, fuel tanks, mower and maintenance parts, and some demolition debris were observed during a site visit conducted by CDM Federal in October 1994. The west half of the landfill was a trench and fill operation. Waste paints, thinners, strippers, oils, and fuels were reportedly poured into the trenches along with shop waste and demolition debris from base operations and burned for disposal (pages 2-18 through 2-19).

- Five monitoring wells were installed by E & E, Inc., during a 1986 investigation. Soil and groundwater samples collected and analyzed revealed that fluoride, chloride, nitrate, bromide, and sulfate, were reported above detectable limits. Sulfate was reported at 280 mg/L which exceeds the EPA secondary drinking water standard of 250 mg/L. Total dissolved solid values for the monitoring wells ranged from 380 to 940 mg/L which is up to two times greater than the background range (250 to 470 mg/L). One of E & E's soil samples contained petroleum hydrocarbons at 440 mg/kg (pages 2-19 through 2-20).

Mr. Mark Esch provided to PSI a copy of Burns and McDonnell Engineering, Final Report for the Contract No: F23608-91-D0020-5016 RG 93-0024, Firing Range Site Phase II, Richards-Gebaur Air Force Base Missouri, dated August 1993. PSI has reviewed this document and included excerpts from the report into the body of this report. The following information was obtained from the report.

- Section 1.1 Scope of Work. The objective of this report is to present the results of the remedial investigation and provide a feasibility study detailing possible remediation and the cost of any remediation options at the Site (page 1).
- Section 1.3 Site History. The Site is a moderately sized firing range currently used for small arms practice and is thought to have been a building in the 1950's. Modifications to the original construction were made in 1988 (page 1).
- Section 2.1.1 Site Activities Scope. Field activities conducted at the Site included collecting subsurface soil samples from the soil berm, surface soil samples from the firing range and area behind the berm, and surface water/sediment samples from the Site's storm water drainage system and drainage ditch to the west and south of the Site. All samples collected were analyzed for copper, lead, and zinc-contaminants commonly found at firing ranges (page 4).
- Section 6.1 Because of physical characteristics, the potential for Site contaminant migration of lead, copper, and zinc through the air and groundwater pathways is low. Review of Site data suggests that limited migration of lead and zinc in surface water may be occurring. However, the rate of migration is low and is apparently not impacting sediment or surface water at off-site locations (page 37).

- Section 7.2.1 Data Collection and Evaluation. Copper, lead, and zinc were detected at varying concentrations in most of the samples. Only lead appears to significantly exceed typical levels commonly found in soils compared to the mean values for Missouri agricultural soils (page 42).
- Section 7.7 Summary. This baseline risk assessment was conducted to determine the risk being posed by chemicals detected in soils, sediment, and surface water at the firing range at RGAFB. The potential for risk was then conservatively evaluated assuming a future residential land use, even though the most likely land use is industrial. An exposure scenario was developed to evaluate ingestion of surface soil by a child, in order to assess a reasonable maximum exposure. Risk to a future child resident was determined to be below levels of concern. Since the child resident scenario is considered the most conservative approach, the Site is very unlikely to pose a health risk under any other use situation (page 55).
- Section 8.1 Conclusion. Concentrations of lead in many of the soil samples exceeded the range that is considered normal for soils in Jackson and Cass Counties (page 57).
- Section 8.2 Recommendations. The concentrations of lead, copper, and zinc at the Firing Range Site are below levels of concern and do not require any remedial action. However, the levels of lead detected on the site are apparently elevated above background levels. The highest concentrations of lead were encountered in soils behind the impact berm. Lead contamination detected in this area is primarily due to over shot from a nearby skeet range not associated with the RGAFB. Therefore, the contamination in the area behind the berm could continue to increase in the future if the skeet range remains in operation. (page 57).
- November 20, 1995 Addendum. Mr. Mark Esch of the U.S. Air Force Base Conversion Agency has provided additional comments regarding the Small Arms Range and the Burns and McDonnell Engineering, Final Report for the Contract No: F23608-91-D0020-5016 RG 93-0024, Firing Range Site Phase II, Richards-Gebaur Air Force Base Missouri, dated August 1993. Mr. Esch indicated the samples evaluated were collected in 1993. The firing range continued to operate through 1994 which would suggest that concentrations of Lead, Copper, and Zinc would have continued to accumulate during this time period, therefore, the conclusions made in the report were valid in 1993 but become more questionable with continued operation of the range. Comparative samples would be needed to evaluate the current condition of the range.

Mr. Dennis Wilmsmeyer provided to PSI a copy of a Department of the Air Force, Air Force Communications Service, Comprehensive Plan, Detail Utilities Map. PSI has reviewed this document and included a copy of the map into Appendix D. The following information was obtained by Mr. Dennis Wilmsmeyer and the Map.

- The Map indicates that Building 1301, also known as M.A.R.S. site, is located along 155th Street. The site is improved with an LPH antenna, two rotating antennas, a 4" tile field, a 900-gallon septic tank, a 4,000-gallon underground storage tank (UST) containing fuel oil, all surrounded by a fence. Utilities shown on-site consist of a gas line, a telephone line, electrical lines, and supply-return & vent lines.
- According to Mr. Dennis Wilmsmeyer, the M.A.R.S. site was in service from 1974 until 1977. The site was demolished in 1989 with the UST being removed at the same time. No UST Closure Report is known to exist.

Mr. Dennis Wilmsmeyer provided to PSI a copy of the Asbestos Assessment Study for Richards-Gebaur Air Force Base, Kansas City, Missouri, Appendix E Spreadsheets, report dated September 30, 1987. PSI has reviewed this document and found no listing for Building 1301.

## **HISTORICAL USE INFORMATION**

To obtain information regarding the past uses of the subject site and immediately adjacent properties, available historical data was researched.

### **AERIAL PHOTOGRAPH REVIEW**

Available aerial photographs from 1995, 1980 and 1967 were obtained from the Kansas City, Missouri, City Hall, Mapping Department, and were reviewed for this ESA. Copies of the photographs are included in Appendix B.

**Date: February 1995**

**Scale: 1" = 400'**

**Photo ID: Sheet 23-1**

The subject site and most of the surrounding area appear to be developed similar to present conditions in this photograph. The subject site appears to be vacant undeveloped grass land. Signs of tilled land from prior farming are located on the east and west areas of the site. An access road is located off 155th Street near the south central portion of the property. This area appeared undeveloped but unknown prior usage has occurred. The north central portion of the site contains a man-made pond. Adjacent to the north lies Scope Creek across which is the Small Arms Range, Skeet Range and the Northeast Landfill. Adjacent to the east is the St. Louis-San Francisco Railroad across which is wooded undeveloped land and the U.S. Highway 71. Adjacent to the south is 155th Street across which is the Belton Inn and the nursery. Adjacent to the west is vacant undeveloped land and a man-made pond. Farther west lies the Richards-Gebaur Airport.

**Date: 1980**

**Scale: 1" = 400'**

**Photo ID: Sheet 22-1**

The subject site and most of the surrounding area appear to be developed similar to present conditions in this photograph, however, the south central portion of the site appears developed with a building surrounded by a fence. Located along the east fence appears to be unknown activity possibly stored equipment. Other unknown activities appear to be located on the east area of the site. A undeveloped road is indicated leading north across the site which then divides leading north and also northeast. Located at the north end of the road, adjacent to the subject site, is a building situated on the south bank of Scope Creek. Located at the end of the northeast road is a building or trailer.

**Date: 1967**  
**Scale: 1" = 400'**  
**Photo ID: Sheet 139**

The subject site and the surrounding area appear to be developed similar to present conditions in this photograph, however, the south central portion of the site is developed with a building, and several telephone poles surrounded by a fence. The east area of the subject site is being used as an access to the north adjacent property by use of a unimproved road. The road leads toward a building situated on the south side of Scope Creek.

#### **CITY DIRECTORY**

Available City Directories for the Kansas City, Missouri, Harrisonville, Missouri, Belton, Missouri, and Grandview, Missouri areas were reviewed at the Kansas City, Missouri, Public Library. No listings for Richards-Gebaur Memorial Airport, Richards-Gebaur Air-Force Base, or 155th Street west of U.S. Highway 71, were identified in any of the directories reviewed.

## **RECONNAISSANCE AND INTERVIEWS**

Where possible, photographs were taken during the reconnaissance to document the features observed and recognized environmental conditions. The photographic locations are shown on the site sketch included in the report section "Site Description". Interviews were conducted with persons as noted in the following table. Photographs and records of communication from interviews are included in the Appendix.

### **INTERVIEWS**

Interviews were conducted with the following:

NAME	FUNCTION	EMPLOYER	DATE	PHONE
Mr. John McLendon	Key Site Manager	City of Kansas City, Missouri, Aviation Department	10/12/95	(816) 322- 0001
Mr. Dennis Wilmsmeyer	Airport Planner	City of Kansas City, Missouri, Aviation Department	10/11/95	(816) 243- 3044
Captain	Fire Department	Richards-Gebaur Memorial Airport Fire Department	10/26/95	(816) 331- 8529
Mr. Mark Esch	Environmental Coordinator	U.S. Air Force Base Conversion Agency	10/10/95	(816) 348- 2511

### **ON-SITE RECONNAISSANCE**

On-site visual reconnaissance of the subject site and improvements for indications of recognized environmental conditions was conducted on October 12, 1995, by Richard N. Leines, Environmental Project Manager for PSI.

Reconnaissance consisted of systematically walking the perimeter boundary of the site and crossing the interior to provide an overlapping field of view. The adjacent sites were not entered. Where possible, photographs were taken to document the features observed during the reconnaissance and environmental conditions of concern and the photographs are included in Appendix E.

A copy of the author's credentials may be found in Appendix F.

### **Drums, Containers and Storage Tanks**

The on-site reconnaissance addressed containers, drums, above ground storage tanks, and other storage units containing materials which may pose an environmental threat.

No evidence of containers, drums, above ground storage tanks or other storage units were observed on the subject site.

### **Evidence of Waste Disposal**

The on-site reconnaissance addressed dumps, pits, ponds, landfills, borrow pits, and lagoons which may have been used for disposal purposes.

Located on the north area of the subject site was a man-made pond. According to property boundaries and dimensions, it is understood that only the south half of the pond is located on the subject site. No evidence of dumping into this pond or surface water sheens were observed at the time of the reconnaissance.

Two pieces of farm equipment were observed to be left on-site near the south and central portions of the property. The equipment appears rusted and unused for a long period of time.

Remnants of fence posts and concrete were observed in the central portion of the subject site. These posts probably originated from the fence that surrounded Building 1301.

### **Surface Fill**

The on-site reconnaissance included observation for visible indications of fill soils.

No indications of fill soil were observed on the property, however, the north side of the man-made pond (located on the north adjacent property) has used fill soils to berm the intermittent creek to create a pond.

### **Surface Staining and Stressed Vegetation**

The on-site reconnaissance addressed indications of environmental conditions as evidenced by surface stains and/or stressed vegetation.

No evidence of surface staining or stressed vegetation was observed on the subject site at the time of the reconnaissance.

### **Transformers**

The on-site reconnaissance also addressed indoor or outdoor transformers which may contain polychlorinated biphenyls (PCBs). No transformers were observed on the subject site.

### **Suspect Asbestos-Containing Building Materials (ACBM)**

The on-site reconnaissance addressed suspect materials which may contain asbestos.

No suspect asbestos-containing materials were observed on the subject site at the time of the reconnaissance.

### **Air Stacks, Vents, and Odors**

The on-site reconnaissance addressed air stacks, vents and strong, pungent or noxious odors.

No air stacks, vents, or odors were noticed at the time of the assessment.

### **Surface Drainage**

The on-site reconnaissance addressed the apparent drainage to and from the subject site. Specific elements are as follows:

Excess surface water drainage on the west half of the subject site would flow west into the adjacent man-made pond and then northerly into Scope Creek. Excess surface water drainage on the north and east areas of the subject site would flow in a northerly direction towards Scope Creek.

### **Evidence of Underground Storage Tanks**

None of the following indications of underground storage tanks (USTs) were found on the subject site.

- Pumps, pipes or vents
- Tank related manholes
- Tank related concrete pads or surface depressions

### **Conduits to Groundwater**

No evidence of man-made conduits which lead to groundwater were observed on the subject site.

### **Evidence of Improper Waste Discharge**

Pipes and/or vents, indicating improper release of waste discharge, were not found.

### **On-Site Environmental Management Practices**

The on-site reconnaissance addressed the following environmental management practices.

#### **Solid Waste**

The subject site is currently unoccupied. No evidence of solid waste disposal was observed on the subject site.

Hazardous Waste

The subject site is currently unoccupied. No indications of hazardous waste generation, storage or disposal were observed on the subject site.

Treatment Facilities

No indications of wastewater disposal or treatment facilities were observed during the on-site reconnaissance.

Application of Pesticides, Herbicides or Fertilizers

No indications of the use of pesticides, herbicides or fertilizers was observed during the on-site reconnaissance and/or interviews.

**General Environmental Practices**

No indications of adverse environmental practices were observed during the site reconnaissance.

## **OFF-SITE RECONNAISSANCE**

Off-site visual reconnaissance of adjacent properties from the subject site was conducted on October 12, 1995, by Richard N. Leines of PSI. The off-site reconnaissance was limited to areas and facilities that were readily accessible for visual observation, immediately adjacent to and visible from the subject site. The adjacent properties were not entered. Off-site visual reconnaissance addressed the same issues considered on-site. The adjacent properties were not entered.

ITEM	NOT OBSERVED	OBSERVED	DISCUSSED BELOW
Drums, Containers & Storage Tanks	X		
Dumps, Pits & Lagoons	X		
Surface Soil Staining or Stressed Vegetation	X		
Transformers	X		
Air Stacks, Vents & Odors	X		
Off-Site Drainage	X		
Underground Storage Tanks		X	X
Aboveground Storage Tanks	X		
Shafts & Wells	X		
Off-Site Environmental Management Practices	X		

### **Underground Storage Tanks**

Located approximately 700' southeast of the subject site, across 155th Street and Lawndale Road, is a Conoco gasoline station. The gasoline station was in operation with fueling dispensers observed.

## FINDINGS AND CONCLUSIONS

### PHASE I ESA

PSI has performed a Phase I ESA on the subject site in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report. This assessment has revealed evidence of recognized environmental conditions in connection with the site, which include the following:

The subject site is registered as a underground storage tank (UST) facility. The south central portion of the subject site was previously developed with a building, numbered 1301. According to the Missouri Department of Natural Resources (MDNR) the UST is a 4,000-gallon petroleum tank listed as permanently closed in-place. According to Mr. Wilsmeyer, the site was in service from 1974 until 1977. The site was demolished in 1989 with the UST being removed at that time. No UST Closure Report is known to exist. According to Mr. Esch, the 4,000-gallon steel tank was located at Building 1301A and contained heating oil. The tank was installed in May of 1959 then owned by the City after August 1983, and became inactive in 1989.

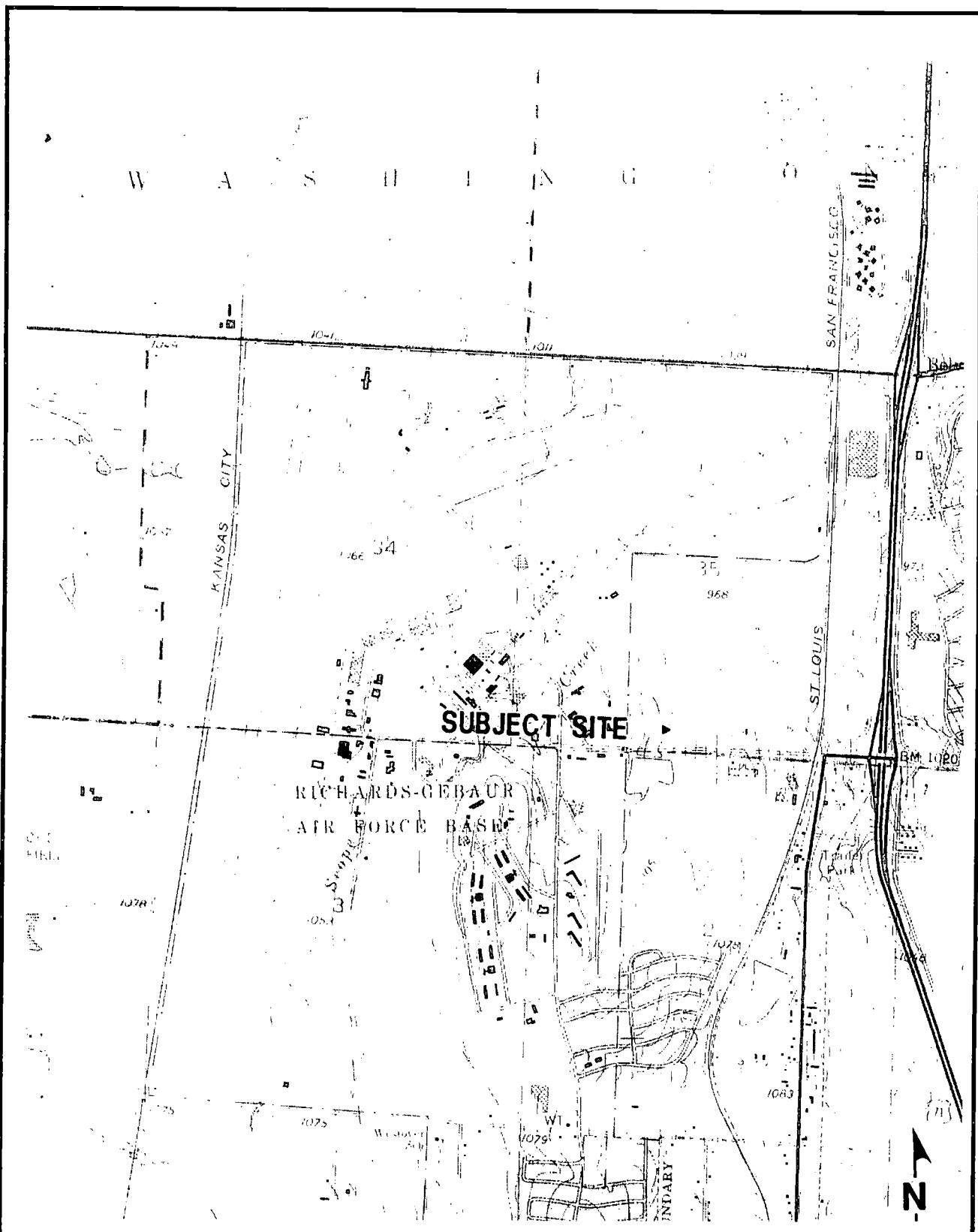
### RECOMMENDATIONS

This assessment has revealed evidence of potential subsurface contamination at the subject site.

A disagreement between the MDNR and the Aviation Department exists regarding the status of the UST associated with the subject site. According to the MDNR Division of Environmental Quality, Water Pollution Control Program, Underground Storage Tank Closure Guidance Document, dated January 1992, "there are exemptions for tanks storing heating oil that is consumed onsite, as well as farm or personal residence tanks up to 1100 gallons in capacity. Note: Releases from exempt tanks are still subject to reporting requirements". Pending review of State and Client documentation a Phase II Environmental Site Assessment is recommended for subsurface sampling of soil and groundwater in the area of the UST at the subject site.

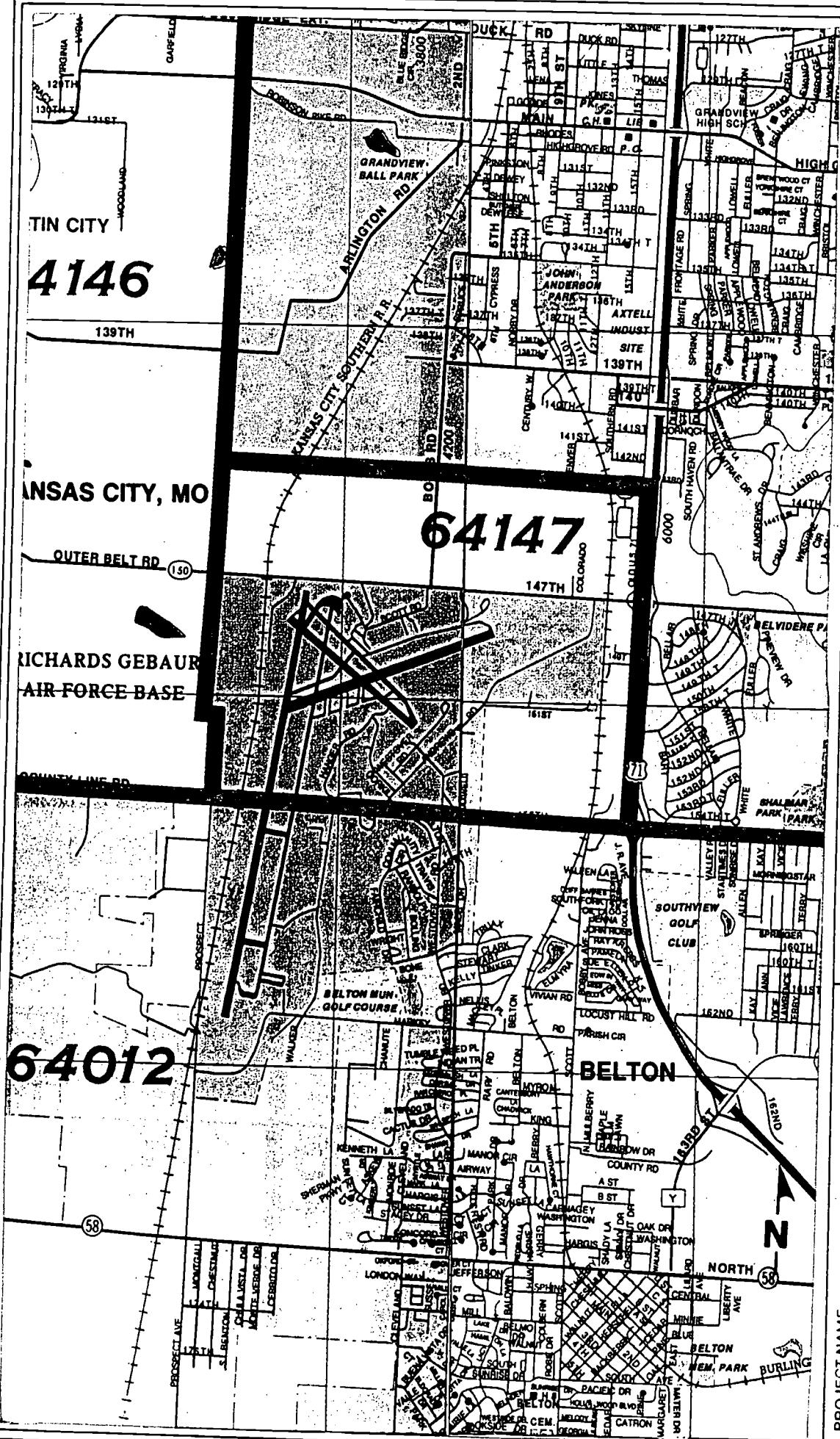
## **APPENDIX**

**APPENDIX A**  
**MAPS**



Site Name:	TOPOGRAPHIC MAP	Project No:
Richards-Gebaur Memorial Airport Site A, 55-Acre Tract along 155th Street Kansas City, Missouri		5985E124
		Date:
		10/30/95

Professional Service Industries



PROJECT NAME

Richards-Gebaur Memorial Airport  
Site A, 55-Acre Tract along 155th St.  
Kansas City, Missouri

Street Map

PROJECT NO.

5985E124

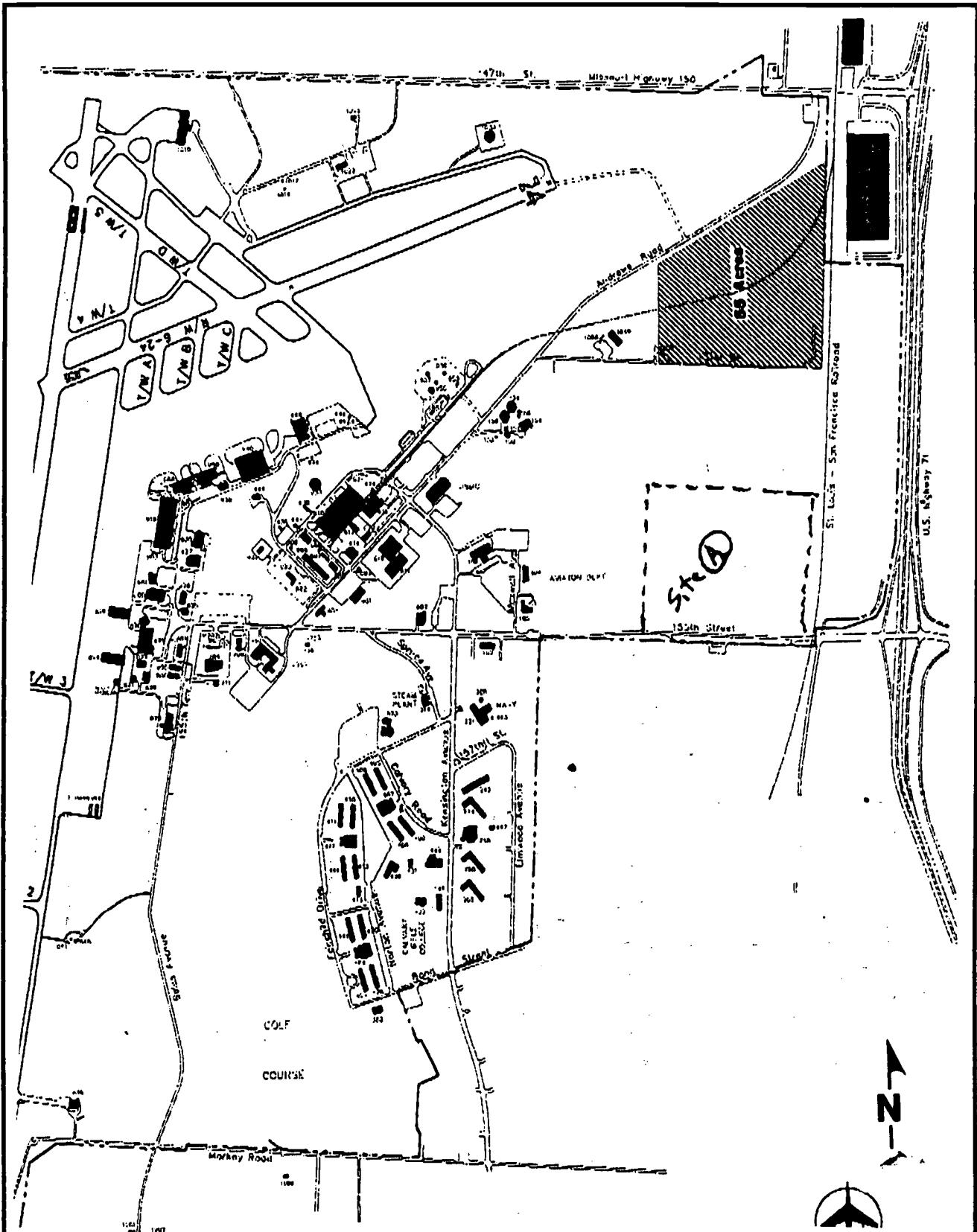
DATE

10/30/95

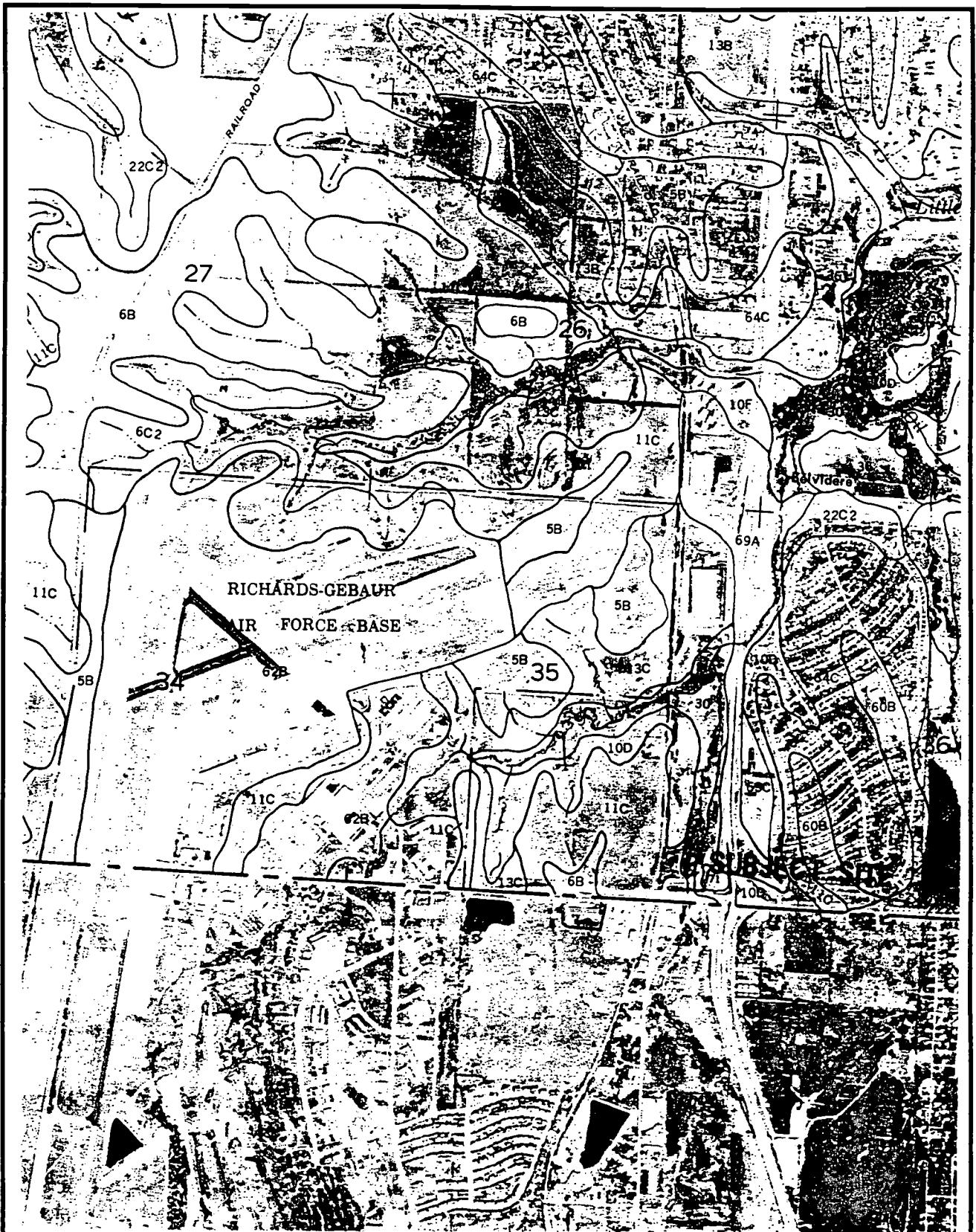
<p>Site Name: Richards-Gebaur Memorial Airport Site A, 55-Acre Tract along 155th Street Kansas City, Missouri</p>	<p>Utility Plan Map</p>	<p>Project No: 5985E124</p>
<p>Date: 10/30/95</p>		

The Utility Plan Map illustrates the layout of various utility components at the site. Key features include:

- Building:** A central building is labeled with the number **1301**.
- Electrical:** A **3-50 KVA** transformer is located near the building, connected to **SUPPLY, RETURN & VENT LINES**. Power lines are labeled **UG** (Underground) and **OVERHEAD**. A **TELEPHONE** line is also shown.
- Water and Sewer:** A **4000 GAL UG OIL TANK** is positioned near the building. A **300 GAL SEPTIC TANK** is located further down the site. A **ROTATING ANT.** is connected to the septic tank area.
- Drainage:** A **4" TILE FIELD** is shown in the lower right quadrant of the map.
- Gas:** A **4" GAS** line is indicated on the left side.
- Fence:** A **FENCE** is shown on the left boundary.
- Communication:** **ANT. WIRES** are shown running across the site.
- Location Markers:** Specific locations are marked with coordinates: **1052.78**, **1051.60**, and **1049.00**.
- Orientation:** A north arrow (**N**) is located in the bottom left corner.



Site Name:  Richards-Gebaur Memorial Airport Site A, 55-Acre Tract along 155th Street Kansas City, Missouri	Site Location Map	Project No: 5985E124
		Date: 10/30/95



**Site Name:**

**Richards-Gebaur Memorial Airport  
Site A, 55-Acre Tract along 155th Street  
Kansas City, Missouri**

## SOILS MAP

Project No:

5985E124

Date:

10/30/95

and gravel placed around the foundation and basement walls to prevent damage caused by shrinking and swelling of the soil. Drainage tile installed at the base of the sand and gravel helps to prevent wet basements. Local roads and streets should be graded to shed water, and adequate side ditches and culverts should be installed to prevent damage caused by frost action and shrinking and swelling of the soil. Adding crushed rock or other suitable material helps to prevent damage caused by low strength.

This Macksburg soil is in capability subclass IIe.

**6B—Sharpsburg silt loam, 2 to 5 percent slopes.** This deep, gently sloping, moderately well drained soil is on convex ridgetops. Individual areas are long and narrow and range from 5 to 90 acres.

Typically, the surface layer is very dark grayish brown, friable silt loam about 6 inches thick. The subsurface layers are very dark grayish brown, friable silt loam and silty clay loam about 15 inches thick. The subsoil is about 26 inches thick. The upper part is dark brown, firm silty clay loam, and the lower part is dark brown and dark yellowish brown, mottled, firm silty clay loam. The substratum to a depth of about 60 inches is dark yellowish brown, mottled, firm silty clay loam. In places the dark soil in the upper part of the profile is more than 24 inches thick and grayish brown mottles are at a depth of more than 36 inches.

Included with this soil in mapping are small areas of somewhat poorly drained Macksburg soils and well drained Menfro soils. Macksburg soils are on broader ridgetops than Sharpsburg soils. Menfro soils are at the ends of ridges closer to the drainageways. The included soils make up about 5 percent of the map unit.

Permeability is moderately slow in this Sharpsburg soil, and surface runoff is medium. Reaction ranges from slightly acid to strongly acid in the surface layer. Natural fertility and available water capacity are high. The organic matter content is moderate. The surface layer is friable and easily tilled through a fairly wide range in moisture content. It does, however, have a tendency to crust or puddle after hard rains. The shrink-swell potential is moderate.

Most areas of this soil are used for cultivated crops. This soil is suited to corn, soybeans, small grains, and grasses and legumes for pasture and hay. If the soil is used for cultivated crops, erosion is a hazard. The use of minimum tillage, winter cover crops, and grassed waterways helps to prevent excessive soil loss. Most areas can be terraced and farmed on the contour. Returning crop residue or the regular addition of other organic material helps to improve fertility, reduce crusting, and increase water infiltration.

The use of this soil for pasture or hay is also an effective means of controlling erosion. This soil is suited to alfalfa and smooth bromegrass. Overgrazing or



Figure 12.—Urban encroachment on Macksburg silt loam, 2 to 5 percent slopes.

grazing when the soil is wet causes surface compaction, excessive runoff, and poor tilth. Proper stocking rates, pasture rotation, timely deferment of grazing, and restricted use during wet periods help to keep the pasture and soil in good condition.

This soil is suited to building site development and onsite waste disposal. Septic tank filter fields need to be larger than those commonly constructed because of moderate permeability in the lower part of the subsoil. Sewage lagoons should be sealed with slowly permeable material to prevent seepage. Concrete for footings, foundations, and basement walls of dwellings and small commercial buildings should be reinforced with steel and a backfill of sand and gravel placed around the foundation and basement walls to help prevent damage caused by shrinking and swelling of the soil. Local roads and streets should be graded to shed water, and adequate side ditches and culverts should be installed to prevent damage caused by frost action and shrinking and swelling of the soil. Adding crushed rock or other suitable material helps to prevent damage caused by low strength.

This Sharpsburg soil is in capability subclass IIe.

**6C2—Sharpsburg silt loam, 5 to 9 percent slopes, eroded.** This moderately sloping, moderately well drained soil is on convex side slopes and narrow, convex ridgetops. Areas are irregular in shape and range from 5 to 60 acres.

Typically, the surface layer is very dark grayish brown, friable silt loam about 7 inches thick. The subsoil is

about 41 inches thick. The upper part is very dark grayish brown, firm silty clay loam; the middle part is brown, firm silty clay loam that is mottled in the lower part; and the lower part is grayish brown, mottled, firm silty clay loam. The substratum to a depth of about 60 inches is grayish brown, mottled, friable silty clay loam. In places the upper part of the subsoil has been mixed with the surface soil and the surface layer is brown silty clay loam. In other places the dark soil layers in the upper part of the profile are more than 24 inches thick and the grayish brown mottles are at a depth of more than 36 inches.

Included with this soil in mapping are small areas of somewhat poorly drained Higginsville soils and well drained Menfro soils. Higginsville soils are on side slopes below the Sharpsburg soils. Menfro soils are at the ends of ridges and are closer to streams. The included soils make up about 5 to 10 percent of the map unit.

Permeability is moderately slow in this Sharpsburg soil, and surface runoff from cultivated areas is medium. Reaction ranges from slightly acid to strongly acid in the surface layer. Natural fertility is medium, and available water capacity is high. The organic matter content is moderate. The surface layer is friable and easily tilled through a fairly wide range in moisture content. It does, however, have a tendency to crust or puddle after hard rains, especially in areas where the plow layer contains subsoil material. The shrink-swell potential is moderate.

Most areas of this soil are used for cultivated crops. This soil is suited to corn, soybeans, small grains, and grain sorghums. If the soil is used for cultivated crops, further erosion is a hazard. The use of minimum tillage, winter cover crops, and grassed waterways helps to prevent excessive soil loss. Most areas can be terraced and farmed on the contour. Returning crop residue or the regular addition of other organic material helps to improve fertility, reduce crusting, and increase water infiltration.

The use of this soil for pasture or hay is also an effective means of controlling erosion. This soil is suited to alfalfa and smooth bromegrass. Alfalfa needs a high level of fertility. Cuttings should be made by the early bloom stage, and plants should have at least 6 inches of growth before winter. Good pasture management practices are needed. Overgrazing or grazing when the soil is wet causes surface compaction, excessive runoff, and poor tilth. Proper stocking rates, pasture rotation, timely deferment of grazing, and restricted use during wet periods help to keep the pasture and soil in good condition.

This soil is suited to building site development and onsite waste disposal. Septic tank filter fields should be designed to operate on the slope, and the size of the filter field should be increased. Areas for sewage lagoons should be leveled by grading and the bottoms of the lagoons sealed with slowly permeable material to prevent seepage. Concrete for foundations and

basement walls should be adequately reinforced with steel and a backfill of sand and gravel placed around the foundation and basement walls to prevent damage caused by shrinking and swelling of the soil. Local roads and streets should be graded to shed water, and adequate side ditches and culverts should be installed to prevent damage caused by frost action and shrinking and swelling of the soil. Adding crushed rock or other suitable material helps to prevent damage caused by low strength.

This Sharpsburg soil is in capability subclass IIIe.

**8—Pits, quarries.** This map unit consists of areas on uplands that are used or were used at one time to quarry for limestone. The areas generally are made up of quarry pits, stockpiles of limestone and crushed rock, and piles of spoil overburden, together with areas for storage of equipment and roads for transport. Areas range from 5 to about 130 acres.

The amount of soil material capable of supporting vegetation is small and variable; however, small hardwoods, annual weeds, and perennial grasses commonly grow in these areas.

The quarry pits in active use are dry, but most of the abandoned pits contain water. A detailed onsite investigation is needed before a change is made in the use of these areas.

Pits, quarries, is not assigned to a capability subclass.

**10D—Snead-Rock outcrop complex, 5 to 14 percent slopes.** This complex consists of moderately sloping to strongly sloping, moderately deep, moderately well drained Snead soils and narrow bands of limestone Rock outcrop on convex side slopes. Individual areas are long and moderately wide and range from 15 to 200 acres. This complex is about 60 to 70 percent flaggy Snead soil and 15 to 25 percent Rock outcrop. Rock outcrop occurs in such narrow bands that it is not practical to separate it from the Snead soils in mapping.

Typically, the Snead soil has a surface layer of black, firm flaggy silty clay loam about 10 inches thick. The subsurface layer is very dark grayish brown, firm flaggy silty clay loam about 4 inches thick. The subsoil is about 16 inches thick. The upper part is dark grayish brown, firm silty clay, and the lower part is olive, mottled, firm silty clay. Yellowish brown, weathered shale bedrock is at a depth of about 30 inches.

Included with this complex in mapping are small areas of deep Kennebec soils and well drained Oska soils. Kennebec soils are in narrow drainageways, and Oska soils are at a higher elevation than the Rock outcrop. The included soils make up about 10 percent of the map unit.

Permeability is slow in this Snead soil, and surface runoff is rapid. Reaction is slightly acid or neutral in the surface layer and ranges from neutral to moderately alkaline in the subsoil. Natural fertility is low, and organic

matter content is moderate. The available water capacity is low. The seasonal high water table is at a depth of 2 to 3 feet. The shrink-swell potential is high in the subsoil. Root development generally is restricted by shale bedrock below a depth of 20 to 40 inches.

Most areas of this complex are in trees or brush. The complex is not suited to cultivated crops, pasture, or hay. Because of the rocks and stones, cultivation is not practical, and the establishment of grasses and legumes would be very difficult.

This Snead soil is suited to trees, and most areas remain in native hardwoods. Restricted use of equipment, seedling mortality, windthrow, and plant competition are management concerns. Roads and skid trails should be placed on the contour. Planting special stock of larger size than usual or using container-grown stock may be necessary to achieve better survival rates. Lighter, less intensive but more frequent thinnings to reduce the stand density may be needed to lessen the damage from windthrow. Plant competition for seedlings can be reduced by careful and thorough site preparation, including spraying or cutting. Release treatments may be necessary to ensure development.

This Snead soil generally is unsuited to building site development and onsite waste disposal because of the high shrink-swell potential, stones in the soil, and depth to bedrock.

This Snead-Rock outcrop complex is in capability subclass VI<sub>s</sub>.

**10F—Snead-Rock outcrop complex, 14 to 30 percent slopes.** This complex consists of moderately deep, moderately steep to steep, moderately well drained Snead soils on convex side slopes and narrow bands of limestone Rock outcrop. Individual areas range from 15 to 255 acres. This complex is about 60 to 70 percent Snead soil and 15 to 25 percent Rock outcrop. The Rock outcrop occurs in such narrow bands that it is not practical to separate it from the Snead soils in mapping.

Typically, the Snead soil has a surface layer of black, friable flaggy silty clay loam about 7 inches thick. The subsurface layer is very dark gray, firm flaggy silty clay loam about 5 inches thick. The subsoil is about 19 inches thick. The upper part is dark grayish brown, firm silty clay, and the lower part is olive gray, mottled, firm clay. The substratum to a depth of about 40 inches is olive, firm silty clay.

Included with this complex in mapping are small areas of Kennebec and Oska soils. The deep Kennebec soils are in small bottoms along the drainageways, and the well drained Oska soils are along the upper edge of the complex. The included soils make up about 5 to 10 percent of the map unit.

Permeability is slow in this Snead soil, and surface runoff is rapid. Reaction is slightly acid or neutral in the surface layer and ranges from neutral to moderately

alkaline in the subsoil. Natural fertility is low, and organic matter content is moderate. The available water capacity is low. The seasonal water table is at a depth of 2 to 3 feet. The shrink-swell potential is high in the subsoil.

Nearly all areas of this complex are in woodland. The complex is generally not suited to cultivated crops and pasture or hay because of the rocks and stones on the surface and in the soil.

This Snead soil is suited to trees, and most areas remain in native hardwoods. The hazard of erosion, restricted use of equipment, seedling mortality, windthrow, and plant competition are concerns in management. Special measures for the control of erosion are needed. Roads and skid trails should be carefully designed and constructed to minimize the steepness and length of slope and avoid the concentration of water. The steep slopes are a hazard for the safe use of equipment. Roads and skid trails should be placed on the contour. Seeding disturbed areas may be necessary after harvest. Direct seeding can be used or seedlings can be planted by hand. Planting special stock of larger size than usual or using container-grown stock may be needed to achieve better survival rates. Lighter, less intensive but more frequent thinnings to reduce the stand density may be necessary to lessen the damage from windthrow. Plant competition for seedlings can be reduced by careful and thorough site preparation, including spraying or cutting. Release treatments may be necessary to ensure development.

This Snead soil generally is unsuited to building site development and onsite waste disposal because of the high shrink-swell potential, stones in the soil, and depth to bedrock.

This Snead-Rock outcrop complex is in capability subclass VII<sub>s</sub>.

**11C—Greenton silty clay loam, 5 to 9 percent slopes.** This deep, moderately sloping, somewhat poorly drained soil is on upland side slopes. This soil commonly is below areas that usually have outcrops of limestone. Individual areas are irregular in shape and range from 5 to 80 acres.

Typically, the surface layer is very dark brown, friable silty clay loam about 5 inches thick. The subsurface layer is also very dark brown, friable silty clay loam about 11 inches thick. The subsoil extends to a depth of 60 inches or more. The upper part is very dark grayish brown and dark grayish brown, mottled, firm silty clay loam; the middle part is dark grayish brown, mottled, firm silty clay; and the lower part is mixed dark grayish brown and grayish brown, firm silty clay. In places the combined surface and subsurface layers are less than 10 inches thick.

Included with this soil in mapping are small areas of Oska, Sampsel, and Sharpsburg soils. Oska soils are moderately deep. They are in narrow bands on the lower side slopes. Sampsel soils are grayer than Greenton

soils. They are in small drainageways and are at a lower elevation than Greenton soils. Sharpsburg soils are not so gray and have less clay in the subsoil. They are upslope from Greenton soils. The included soils make up 10 to 15 percent of the map unit.

Permeability is slow in this Greenton soil, and surface runoff from cultivated areas is medium. Reaction ranges from medium acid to neutral in the surface layer. The available water capacity is high. Natural fertility is high, and organic matter content is moderate. A seasonal high water table is at a depth of 1 foot to 3 feet. The surface layer is friable but has a narrow moisture range for tillage operations. It tends to become cloddy if plowed when wet, especially in areas where the plow layer contains subsoil material. The shrink-swell potential is high in the subsoil.

Most areas of this soil are used for cultivated crops. This soil is suited to corn, soybeans, small grains, and grasses and legumes for hay and pasture. If the soil is used for cultivated crops, erosion is a hazard. The use of minimum tillage, winter cover crops, and grassed waterways helps to prevent excessive soil loss. Most areas can be terraced and farmed on the contour. Returning crop residue or the regular addition of other organic material helps to improve fertility, reduce crusting, and increase water infiltration.

This soil is suited to pasture or hay. The use of the soil for pasture or hay is also an effective means of controlling erosion. This soil is best suited to shallow-rooted legumes and cool-season bunch grasses or to native warm-season grasses. Overgrazing or grazing when the soil is wet, however, causes surface compaction, excessive runoff, and poor tilth. Proper stocking rates, pasture rotation, timely deferment of grazing, and restricted use during wet periods help to keep the pasture and soil in good condition.

This soil is suited to building site development and to onsite waste disposal. Septic tanks, however, generally are not suitable for this soil. Areas for sewage lagoons should be leveled by grading and the bottoms of the lagoons sealed to prevent contamination of the ground water. Concrete for footings, foundations, and basement walls for dwellings and small commercial buildings should be adequately reinforced with steel and a backfill of sand and gravel placed around the foundation and basement walls to prevent damage caused by shrinking and swelling of the soil. Drainage tile installed at the base of the sand and gravel helps to prevent wet basements. Unless small commercial buildings are designed to fit the slope, some land shaping usually is necessary. Local roads and streets should be graded to shed water, and adequate side ditches and culverts should be installed to prevent damage caused by frost action and shrinking and swelling of the soil. Adding crushed rock or other suitable material helps to prevent damage caused by low strength.

This Greenton soil is in capability subclass IIIe.

**13B—Sampsel silty clay loam, 2 to 5 percent slopes.** This gently sloping, poorly drained soil is on slightly concave foot slopes along drainageways. Individual areas are irregular in shape and range from 10 to about 150 acres.

Typically, the surface layer is black, firm silty clay loam about 7 inches thick. The subsoil extends to a depth of 60 inches or more. The upper part is very dark gray, firm silty clay; the middle part is dark grayish brown, mottled, firm silty clay; and the lower part is gray, mottled, firm silty clay.

Included with this soil in mapping are small areas of Greenton and Snead soils. The somewhat poorly drained Greenton soils are on side slopes at a higher elevation than Sampsel soils, and the moderately deep Snead soils are on side slopes along the upper edge of the unit. The included soils make up about 10 percent of the map unit.

Permeability is slow in this Sampsel soil, and surface runoff is medium. Reaction ranges from medium acid to moderately alkaline. Natural fertility is high, and organic matter content is moderate. The available water capacity is moderate. The seasonal high water table ranges from near the surface to a depth of 1.5 feet. The shrink-swell potential is moderate in the surface soil and high in the subsoil. The surface layer is firm and difficult to till. It has a narrow moisture range for tillage operations and tends to become cloddy if tilled when dry and compacted and cloddy if tilled when wet. In addition, this soil may have seepy areas that stay wet most of the year.

Most areas of this soil are used for cultivated crops. The soil is suited to corn, soybeans, and grain sorghums. If this soil is used for cultivated crops, erosion is a hazard and the surface soil may become compacted in seepy areas. The use of minimum tillage, winter cover crops, and grassed waterways helps to prevent erosion. Most areas can be farmed on the contour and are suitable for the construction of terraces. Returning crop residue or the regular addition of other organic material helps to improve fertility, reduce surface compaction, and increase water infiltration.

The use of this soil for pasture or hay is also an effective means of controlling erosion. The soil is best suited to shallow-rooted legumes and cool-season bunch grasses or to native warm-season grasses. Because of the natural wetness of this soil and the silty clay loam surface layer, careful management is needed to keep a good stand of grasses and legumes. Overgrazing or grazing when the soil is wet causes surface compaction, excessive runoff, and poor tilth. Proper stocking rates, pasture rotation, and restricted use during wet periods help to keep the soil and pasture in good condition.

This soil generally is unsuitable for septic tanks because of wetness and slow permeability, and it is limited for sewage lagoons because of depth to rock. Sewage generally can be piped to more suitable adjacent areas. Onsite investigations are needed to

locate suitable sites for sewage lagoons. Concrete for footings, foundations, and basement walls for dwellings and small commercial buildings should be reinforced with steel and a backfill of sand and gravel placed around the foundation and basement walls to help prevent damage caused by shrinking and swelling and excessive wetness. Drainage tile installed at the base of the sand and gravel also helps to prevent damage caused by wetness. Local roads and streets should be graded to shed water, and adequate side ditches and culverts should be installed to prevent damage caused by frost action and shrinking and swelling of the soil. Adding crushed rock or other suitable material helps to prevent damage caused by low strength.

This Sampsel soil is in capability subclass IIIe.

**13C—Sampsel silty clay loam, 5 to 9 percent slopes.** This moderately sloping, poorly drained soil is on slightly concave side slopes and foot slopes along drainageways. Individual areas are irregular in shape and range from 10 to about 200 acres.

Typically, the surface layer is very dark gray, friable silty clay loam about 6 inches thick. The subsurface layer is very dark gray, friable silty clay loam about 7 inches thick. The subsoil extends to a depth of 60 inches or more. The upper part is very dark gray, firm silty clay loam; the middle part is dark grayish brown, firm silty clay; and the lower part is grayish brown, firm silty clay.

Included with this soil in mapping are small areas of somewhat poorly drained Greenton soils and moderately deep Snead soils. Greenton soils are upslope from Sampsel soils, and Snead soils are in narrow bands along the upper edge of the unit. The included soils make up 5 to 10 percent of the map unit.

Permeability is slow in this Sampsel soil, and surface runoff is medium. Reaction ranges from medium acid to moderately alkaline. Natural fertility is medium, and organic matter content is moderate. The available water capacity is moderate. A seasonal high water table ranges from near the surface to a depth of 1.5 feet. The shrink-swell potential is moderate in the surface soil and high in the subsoil. The surface layer is friable but difficult to till. It has a narrow moisture range for tillage operations and tends to become cloddy if tilled when dry and cloddy and compacted if tilled when wet. In addition, this soil may have seepy areas that stay wet most of the year.

Most areas of this soil are used for cultivated crops. The soil is suited to corn and soybeans. If this soil is used for cultivated crops, excessive erosion is a hazard and the surface soil may become compacted in seepy areas. The use of conservation tillage, winter cover crops, and grassed waterways helps to prevent erosion. Most areas can be farmed on the contour and are suitable for the construction of terraces. Returning crop residue or the regular addition of other organic material

helps to improve fertility, reduce surface compaction, and increase water infiltration.

The use of this soil for pasture or hay is also an effective means of controlling erosion. This soil is best suited to shallow-rooted legumes and cool-season bunch grasses or to native warm-season grasses. Because of the natural wetness of this soil and the silty clay loam surface layer, careful management is needed to keep a good stand of grasses and legumes. Overgrazing or grazing when the soil is wet causes surface compaction, excessive runoff, and poor tilth. Proper stocking rates, pasture rotation, and restricted use during wet periods help to keep the soil and pasture in good condition.

This soil generally is unsuitable for septic tanks because of wetness and slow permeability, and it is limited for sewage lagoons because of depth to rock and slope. Sewage generally can be piped to more suitable adjacent areas. Onsite investigations are needed to locate sites that have more depth to rock for placement of the sewage lagoons. Some areas can be leveled to reduce the slope if additional soil material is available for the construction of berms. Concrete for footings, foundations, and basement walls for dwellings and small commercial buildings should be adequately reinforced with steel and a backfill of sand and gravel placed around the foundations and basement walls to help prevent damage from shrinking and swelling and wet basements. Drainage tile installed at the base of the sand and gravel also helps to prevent damage caused by wetness. Local roads and streets should be graded to shed water, and adequate side ditches and culverts should be installed to provide good drainage and prevent damage caused by frost action and shrinking and swelling of the soil. Adding crushed rock or other suitable material helps to prevent damage caused by low strength.

This Sampsel soil is in capability subclass IIIe.

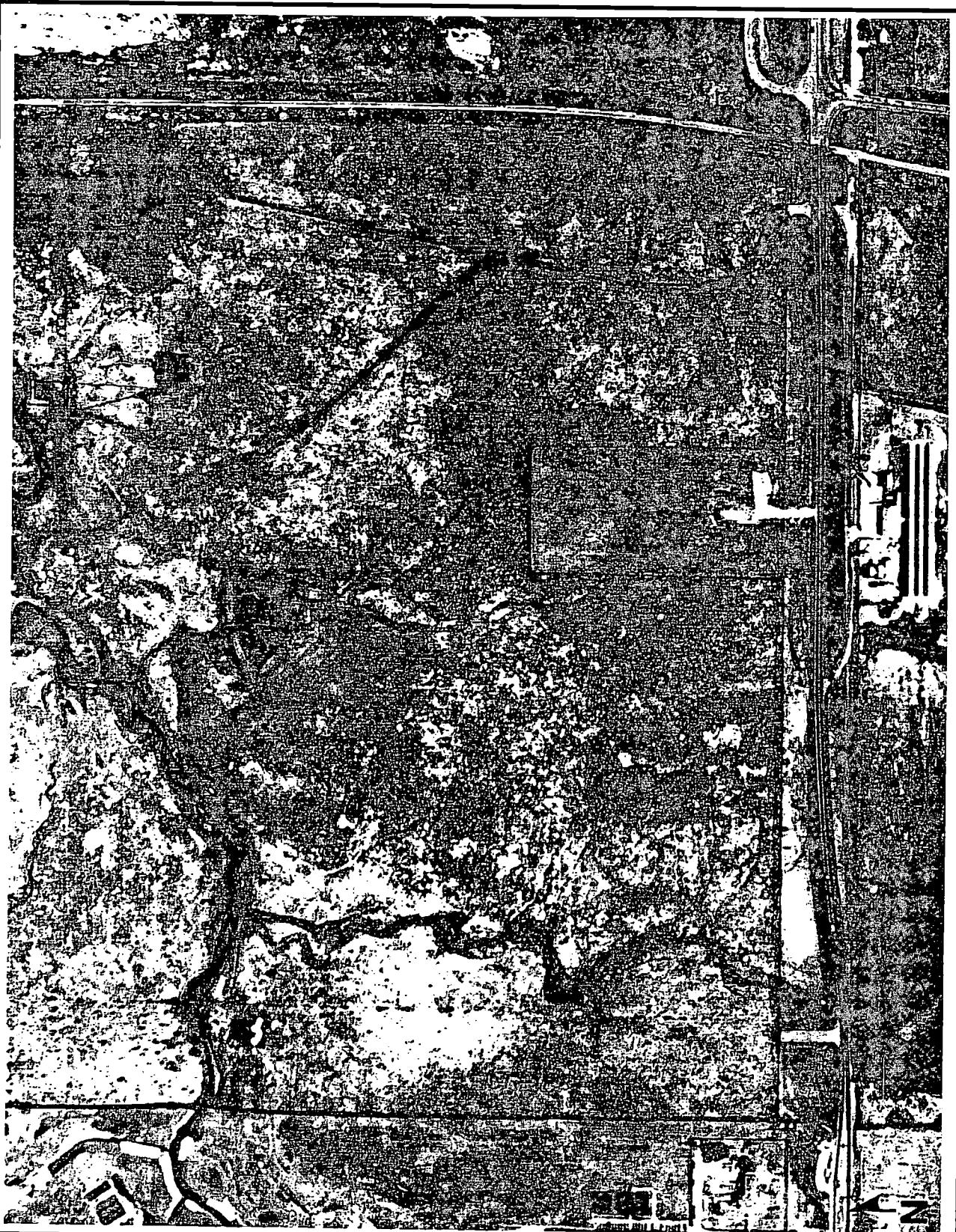
**15B—Menfro silt loam, 2 to 5 percent slopes.** This deep, gently sloping, well drained soil is on narrow, convex ridgetops near streams. Individual areas are irregular in shape and range from 5 to 50 acres.

Typically, the surface layer is very dark grayish brown, friable silt loam about 4 inches thick. The subsurface layer is brown, friable silt loam about 6 inches thick. The subsoil is about 38 inches thick. It is dark yellowish brown, firm silty clay loam. The substratum to a depth of about 60 inches is dark brown, friable silty clay loam. In places the dark surface layer is 6 to 10 inches thick. In other places grayish brown mottles are at a depth of less than 36 inches.

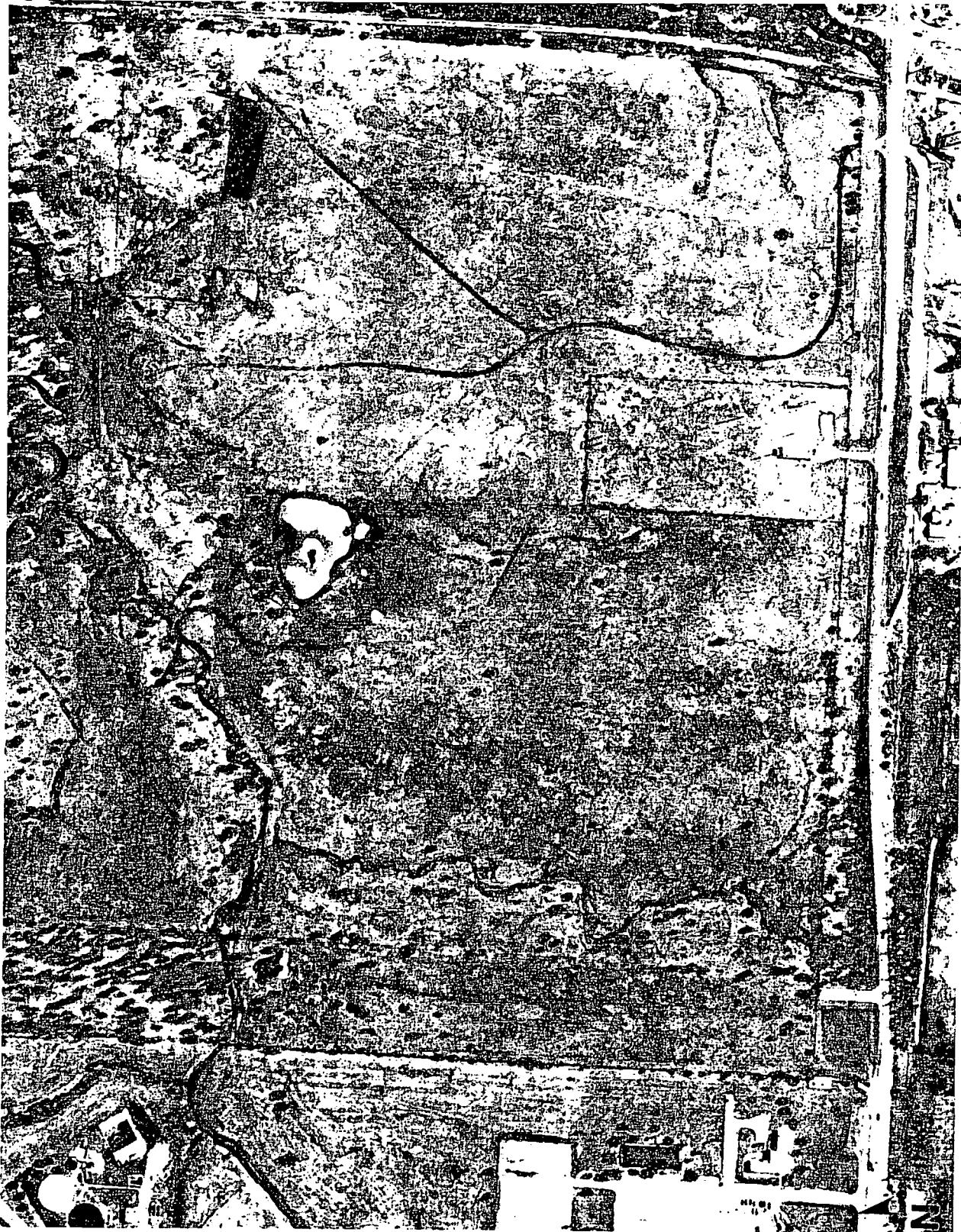
Included with this soil in mapping are small areas of Sharpsburg, Sibley, and Weller soils. Sharpsburg and Sibley soils have dark surface layers more than 10 inches thick and are on broader ridgetops than the Menfro soils. The moderately well drained Weller soils have more clay in the subsoil and are on ridgetops at a

**APPENDIX B**

**OWNERSHIP AND HISTORICAL DOCUMENTS**



Site Name:	1967	Project No:
Richards-Gebaur Memorial Airport Site A, 55-Acre Tract along 155th Street Kansas City, Missouri	AERIAL PHOTOGRAPH Scale: 1" = 400'	5985E124
		Date: 10/30/95



Site Name:

Richards-Gebaur Memorial Airport  
Site A, 55-Acre Tract along 155th Street  
Kansas City, Missouri

1980  
AERIAL PHOTOGRAPH  
Scale: 1" = 400'

Project No:

5985E124

Date:

10/30/95



Site Name:		Project No:
Richards-Gebaur Memorial Airport Site A, 55-Acre Tract along 155th Street Kansas City, Missouri	1995 AERIAL PHOTOGRAPH Scale: 1" = 400'	5985E124
		Date:
		10/30/95

**APPENDIX C**

**REGULATORY DOCUMENTATION**

The following EDR report was obtained for Building 610 at Richards-Gebaur Memorial Airport; however, the information contained in the EDR report is considered valid for the subject site.



**Environmental  
Data  
Resources, Inc.**

Creators of Toxicheck®

## **The EDR-Radius Map with GeoCheck™**

**Richards-Gebaur AP Bldg 610  
15326 Andrews  
Kansas City, MO 64147**

**Inquiry Number: 187422.6p**

**August 25, 1995**

***The Source  
For Environmental  
Risk Management  
Data***

**3530 Post Road  
Southport, Connecticut 06490**

**Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802**

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report. **No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties.** In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages.

## **EXECUTIVE SUMMARY**

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The search met the specific requirements of ASTM Standard Practice for Environmental Site Assessments, E-1527-94, including those associated with governmental databases, search distances and data currency.

The address of the subject property for which the search was intended is:

15326 ANDREWS  
KANSAS CITY, MO 64147

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the subject property or within the ASTM E-1527-94 search radius around the subject property for the following Databases:

NPL:	National Priority List
Delisted NPL:	NPL Deletions
RCRIS-TSD:	Resource Conservation and Recovery Information System
State Haz. Waste:	Registry and Registry Log
CERCLIS:	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP:	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS:	Corrective Action Report
State LF:	Solid Waste Disposal Areas & Processing Facilities
LUST:	Leaking Underground Storage Tanks
UST:	Underground Storage Tank Information
AST:	Service Station Master Listing
RAATS:	RCRA Administrative Action Tracking System
RCRIS-SQG:	Resource Conservation and Recovery Information System
RCRIS-LQG:	Resource Conservation and Recovery Information System
HMIRS:	Hazardous Materials Information Reporting System
PADS:	PCB Activity Database System
ERNS:	Emergency Response Notification System
FINDS:	Facility Index System
TRIS:	Toxic Chemical Release Inventory System
NPL Liens:	Federal Superfund Liens
TSCA:	Toxic Substances Control Act

Unmapped (orphan) sites are not considered in the foregoing analysis.

### **Search Results:**

Search results for the subject property and the search radius, are listed below:

### **Subject Property:**

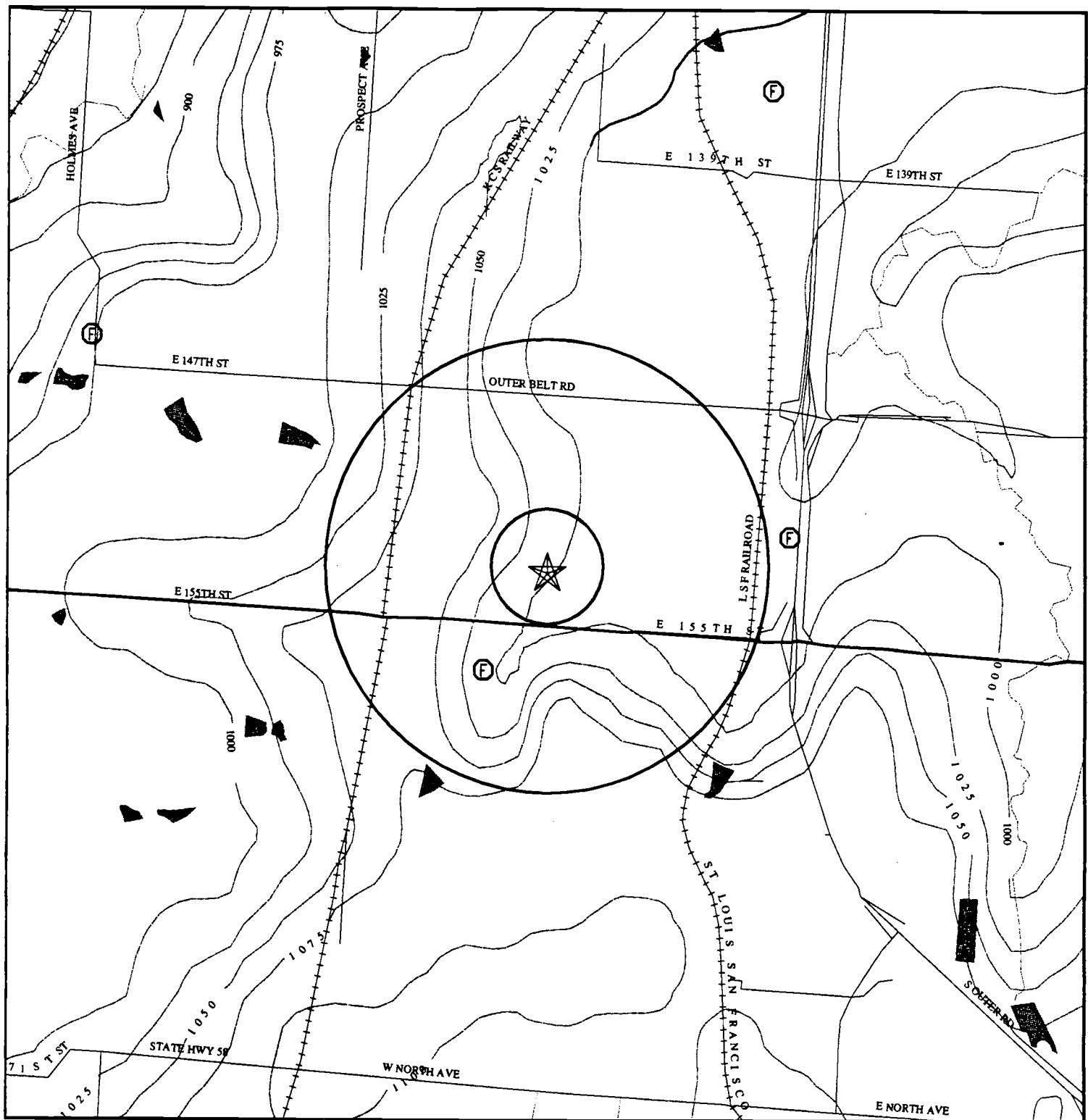
The subject property was not listed in any of the databases searched by EDR.

## **EXECUTIVE SUMMARY**

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
RICHARDS GEBAUR AIR FORCE BASE	CERCLIS
WAL-MART	LUST
R W HARMON	LUST
FAA - VORTAC	LUST
BRUGGER McDOWELL AUTO UNLIMITED	LUST
TOTAL PETROLEUM (LAT-LONG) LENEXA Q	LUST
BYRAM SITE	LUST
RICHARDO - GEBAUR AIR BASE	LUST
CIRCLE K #2433	LUST
USPCI-KAW YARD OFFICE	LUST
COMMERCE BANK - PRICE DEVELOPMENT C	LUST
WATERWAY GAS & WASH/AMOCO OIL #2384	LUST
PREMIER CADILLAC DEALERSHIP	LUST
AMOCO OIL #2242	LUST
CONOCO #25022	LUST
RICHARDS-GEBAUR AIRPORT	UST
RICHARDS-GEBAUR AIRPORT	UST
RICHARDS-GEBAUR AIRPORT	UST
COTTER & CO	RCRIS-SQG,FINDS,UST
PAYLESS CASHWAYS, INC	UST
RICHARDS-GEBAUR AIRPORT	UST
PAYLESS CASHWAYS INC	RCRIS-SQG,FINDS

# TOPOGRAPHIC MAP - 187422.6p - PSI, Inc.



Source: US Geological Survey 1-Degree Digital Elevation Model  
Compiled 09/15/92

0 1/4 1/2 1 2 Miles

- N - Major Roads
- N - Contour lines (25 foot interval unless otherwise shown)
- N - Waterways
- E - Earthquake epicenter, Richter 5 or greater.
- (F/S) - Closest well according to (F)ederal or (S)tate database in quadrant.
- (P) - Closest public water supply well.

TARGET PROPERTY: Richards-Gebaur AP Bldg 610  
ADDRESS: 15326 Andrews  
CITY/STATE/ZIP: Kansas City MO 64147  
LAT/LONG: 38.8482 / 94.549

CUSTOMER: PSI, Inc.  
CONTACT: Rick Leines  
INQUIRY #: 187422.6p  
DATE: August 25, 1995

# GEOCHECK VERSION 2.1 SUMMARY

## GEOLOGIC AGE IDENTIFICATION†

Geologic Code: PP3  
 Era: Paleozoic  
 System: Pennsylvanian  
 Series: Missourian Series

## ROCK STRATIGRAPHIC UNIT†

Category: Stratified Sequence

## GROUNDWATER FLOW INFORMATION

General Topographic Gradient: General ESE  
 General Hydrogeologic Gradient: no hydrogeologic data available.

Note: In a general way, the water table typically conforms to surface topography.‡

## USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2438094-G5 BELTON, MO KS

## FEDERAL DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>	<u>LITHOLOGY</u>	<u>DEPTH TO WATER TABLE</u>
North	>2 Miles	Not Reported	Not Reported
East	1 - 2 Miles	Not Reported	Not Reported
South	1/2 - 1 Mile	Not Reported	Not Reported
West	>2 Miles	Not Reported	Not Reported

## PUBLIC WATER SUPPLY SYSTEM INFORMATION (EPA-FRDS)

Searched by Nearest Well.

Location Relative to TP: >2 Miles South  
 PWS Name: SOUTHFORK MHP  
 1301 N. SCOTT AVE.  
 BELTON, MO 64012

Well currently has or has had major violation(s): No

## AREA RADON INFORMATION

### JACKSON COUNTY, MO

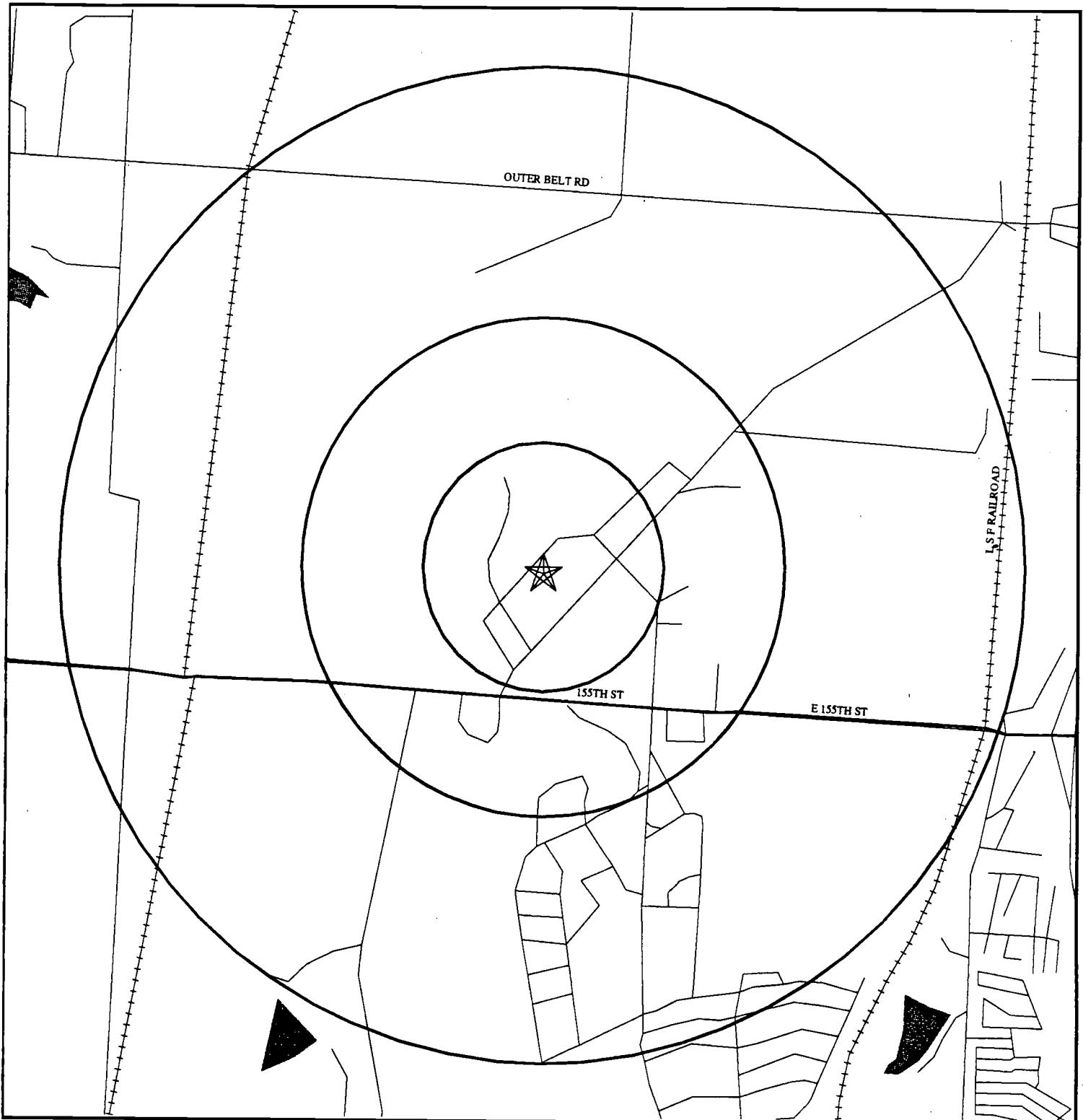
Number of sites tested: 207

<u>Area</u>	<u>Average Activity</u>	<u>% &lt;4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% &gt;20 pCi/L</u>
Living Area - 1st Floor	3.172 pCi/L	72%	28%	0%
Living Area - 2nd Floor	1.300 pCi/L	100%	0%	0%
Basement	4.266 pCi/L	68%	30%	1%

† 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).

‡ U.S. EPA Ground Water Handbook, Vol I: Ground Water and Contamination, Office of Research and development EPA/625/6-90/016a, Chapter 4, page 78, September 1990.

# OVERVIEW MAP - 187422.6p - PSI, Inc.



- ★ - Indicates TARGET PROPERTY.
- ▲ - Indicates sites at elevations higher than or equal to the target property.
- ◆ - Indicates sites at elevations lower than the target property.
- ▲ - Coal Gasification Sites (if requested)
- - National Priority List Sites

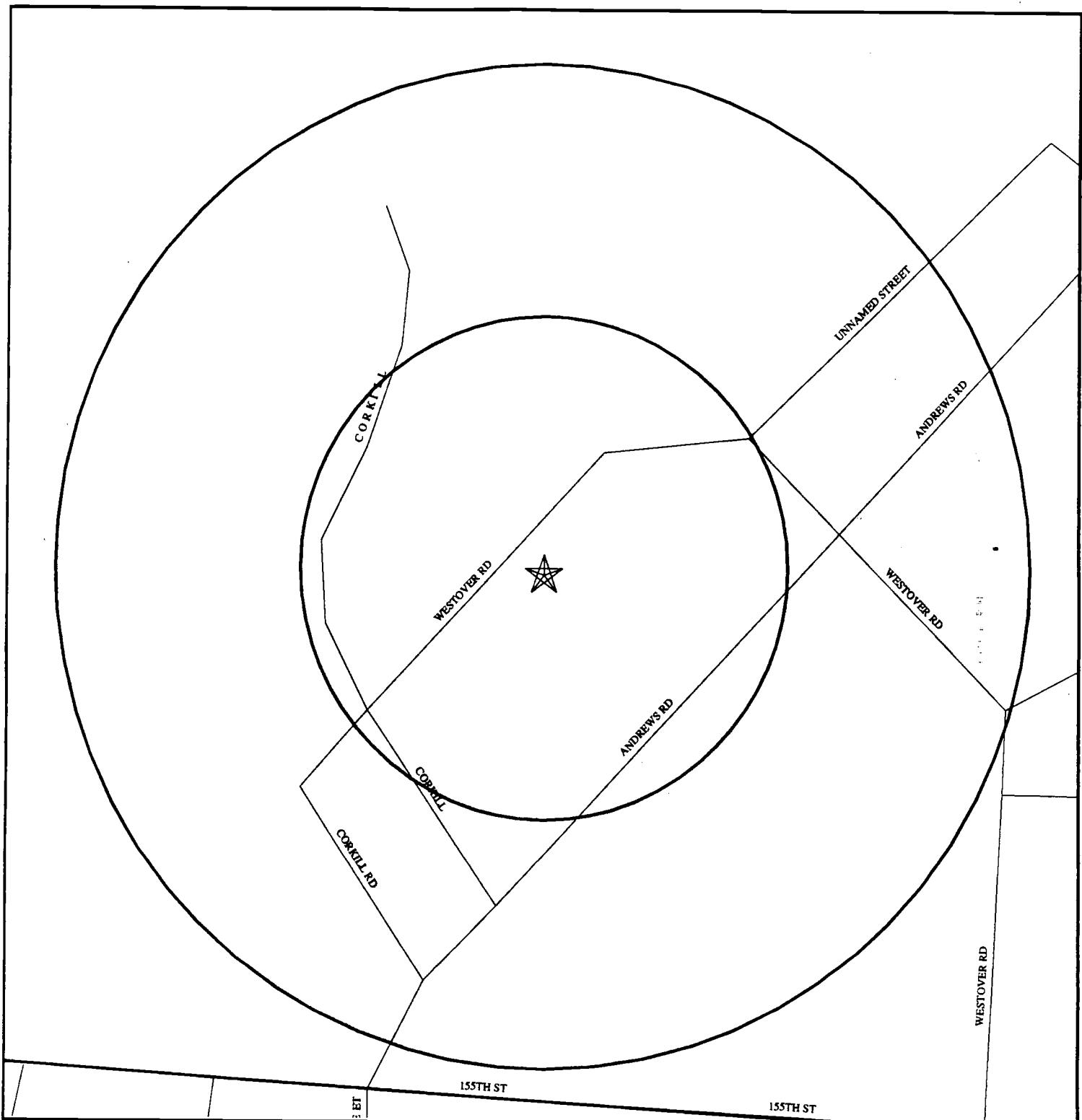
0      1/4      1/2      1  
Miles

- ▲ - Power transmission lines (USGS DLG, 1993)  
 △ - Oil & Gas pipelines (USGS DLG, 1993)

TARGET PROPERTY:	Richards-Gebaur AP Bldg 610
ADDRESS:	15326 Andrews
CITY/STATE/ZIP:	Kansas City MO 64147
LAT/LONG:	38.8482 / 94.5499

CUSTOMER:	PSI, Inc.
CONTACT:	Rick Leines
INQUIRY #:	187422.6p
DATE:	August 25, 1995

DETAIL MAP - 187422.6p - PSI, Inc.



- ★ - Indicates TARGET PROPERTY.
- ▲ - Indicates sites at elevations higher than or equal to the target property.
- ◆ - Indicates sites at elevations lower than the target property.
- ▲ - Coal Gasification Sites (if requested)
- - Sensitive Receptors
- - National Priority List Sites

0      1/8      1/4  
Miles

- - Power transmission lines (USGS DLG, 1993)  
 △ - Oil & Gas pipelines (USGS DLG, 1993)

TARGET PROPERTY:	Richards-Gebaur AP Bldg 610
ADDRESS:	15326 Andrews
CITY/STATE/ZIP:	Kansas City MO 64147
LAT/LONG:	38.8482 / 94.549

CUSTOMER:	PSI, Inc.
CONTACT:	Rick Leines
INQUIRY #:	187422.6p
DATE:	August 25, 1995

**MAP FINDINGS SUMMARY SHOWING  
ALL SITES**

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
RCRIS-TSD		1.000	0	0	0	0	NR	0
State Haz. Waste		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
AST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
Coal Gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A

TP = Target Property

NR = Not Requested at this Search Distance

\* Sites may be listed in more than one database

**MAP FINDINGS SUMMARY SHOWING  
ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP**

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
RCRIS-TSD		1.000	0	0	0	0	NR	0
State Haz. Waste		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
AST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
Coal Gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A

TP = Target Property

NR = Not Requested at this Search Distance

\* Sites may be listed in more than one database

**MAP FINDINGS**

<u>Map ID</u>		<u>EDR ID Number</u>
<u>Direction</u>		
<u>Distance</u>		
<u>Elevation</u>		
<u>Site</u>	<u>Database(s)</u>	<u>EPA ID Number</u>

**Coal Gas Site Search:** EDR does not presently have coal gas site information available in this state.

---

NO SITES FOUND

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
BELTON	1000481425	RICHARDS GEBAUR AIR FORCE BASE	HWY 150 & US 71 HWY	64012	CERCLIS	
BELTON	S101443008	WAL-MART	HWY 58 / US 71	64012	LUST	
BELTON	S100488774	R W HARMON	17327 S 71 HWY	64012	LUST	
KANSAS CITY	U001159835	RICHARDS-GEBAUR AIRPORT	3509 E 147TH ST BLDG 1010	64147	UST	LU1022
KANSAS CITY	U001159837	RICHARDS-GEBAUR AIRPORT	3401 E 155TH TER BLDG 82	64147	UST	UT0012633
KANSAS CITY	U000752660	RICHARDS-GEBAUR AIRPORT	3411 E 155TH TER BLDG 829	64147	UST	UT0012631
KANSAS CITY	S100917043	FAA - VORTAC	HWY 169 / 108TH		LUST	UT0012632
KANSAS CITY	S100489503	BRUGGER McDOWELL AUTO UNLIMITED	1005 HWY 25 SOUTH		LUST	LU01913
KANSAS CITY	1000631621	COTTER & CO	14900 S 71 HWY	64147	RCRIS-SQG, FINDS, UST	LU1131
KANSAS CITY	U000752268	PAYLESS CASHWAYS, INC	14330 S 71 HWY	64147	UST	UT0001980
KANSAS CITY	1000830453	PAYLESS CASHWAYS INC	14330 S 71 HWY	64147	RCRIS-SQG, FINDS	UT0003199
KANSAS CITY	S100773573	TOTAL PETROLEUM (LAT-LONG) LENEXA Q	79TH / STATE LINE RD		LUST	LU1354
KANSAS CITY	U001159836	RICHARDS-GEBAUR AIRPORT	15415 DENVER AVE, BLDG 1301	64147	UST	UT0012635
KANSAS CITY	S100489824	BYRAM SITE	6704 NW HWY 9		LUST	LU1950
KANSAS CITY	S100773813	RICHARD - GEBAUR AIR BASE	15404 MAXWELL AVE	64147	LUST	LU2102
KANSAS CITY	U001159833	RICHARDS-GEBAUR AIRPORT	15600 SPRUCE AVE BLDG 514	64147	UST	UT0012625
KANSAS CITY	S101099622	CIRCLE K #2433	13011 STATE LINE RD		LUST	LU3237
KANSAS CITY	S101094068	USPCI-KAW YARD OFFICE	STATE LINE RD		LUST	LU04094
KANSAS CITY	S101094069	COMMERCE BANK - PRICE DEVELOPMENT C	STATE LINE RD / 135TH ST		LUST	LU03473
KANSAS CITY	S101094066	WATERWAY GAS & WASH/AMOCO OIL #2384	8507 STATE LINE RD		LUST	LU01612
KANSAS CITY	S101094067	PREMIER CADILLAC DEALERSHIP	8011 STATE LINE RD		LUST	LU03368
KANSAS CITY	S100660708	AMOCO OIL #2242	13013 STATE LINE RD		LUST	LU03232
KANSAS CITY	S100660561	CONOCO #25022	7425 STATE LINE RD		LUST	LU03955
KANSAS CITY	U000752662	RICHARDS-GEBAUR AIRPORT	NO STREET ADDRESS	64147	UST	UT0012634
KANSAS CITY	U000752657	RICHARDS-GEBAUR AIRPORT	NO STREET ADDRESS	64147	UST	UT0012623

**GEOCHECK VERSION 2.1 ADDENDUM**  
**FEDERAL DATABASE WELL INFORMATION**

Well Closest to Target Property (North Quadrant)

**BASIC WELL DATA**

Site ID:	385240094315001	Distance from TP:	>2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Jackson
Altitude:		State:	Missouri
Well Depth:	685.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Not Reported
Date Measured:	Not Reported	Prim. Use of Water:	Not Reported

**LITHOLOGIC DATA**

Geologic Age ID (Era/System/Series):	Pennsylvanian-Middle-Des Moinesian
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

**WATER LEVEL VARIABILITY**

Not Reported

**GEOCHECK VERSION 2.1**  
**FEDERAL DATABASE WELL INFORMATION**

Well Closest to Target Property (East Quadrant)

**BASIC WELL DATA**

Site ID:	385100094314501	Distance from TP:	1 - 2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Jackson
Altitude:	1024.00 ft.	State:	Missouri
Well Depth:	433.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Not Reported
Date Measured:	Not Reported	Prim. Use of Water:	Not Reported

**LITHOLOGIC DATA**

Geologic Age ID (Era/System/Series):	Pennsylvanian-Middle-Des Moinesian
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

**WATER LEVEL VARIABILITY**

Not Reported

**GEOCHECK VERSION 2.1**  
**FEDERAL DATABASE WELL INFORMATION**

Well Closest to Target Property (South Quadrant)

**BASIC WELL DATA**

Site ID:	385030094331501	Distance from TP:	1/2 - 1 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Cass
Altitude:		State:	Missouri
Well Depth:	32.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Domestic

**LITHOLOGIC DATA**

Geologic Age ID (Era/System/Series):	Pennsylvanian
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

**WATER LEVEL VARIABILITY**

Not Reported

**GEOCHECK VERSION 2.1**  
**FEDERAL DATABASE WELL INFORMATION**

Well Closest to Target Property (West Quadrant)

**BASIC WELL DATA**

Site ID:	385145094351001	Distance from TP:	>2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Jackson
Altitude:		State:	Missouri
Well Depth:	965.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Not Reported
Date Measured:	Not Reported	Prim. Use of Water:	Not Reported

**LITHOLOGIC DATA**

Geologic Age ID (Era/System/Series):	Pennsylvanian-Middle-Des Moinesian
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

**WATER LEVEL VARIABILITY**

Not Reported

**GEOCHECK VERSION 2.1**  
**PUBLIC WATER SUPPLY SYSTEM INFORMATION**

Searched by Nearest Well.

**PWS SUMMARY:**

PWS ID:	MO1048442	PWS Status:	Active	Distance from TP:	>2 Miles
Dir relative to TP:	South	Date Initiated:	November / 1991	Date Deactivated:	Not Reported
PWS Name:	SOUTHFORK MHP 1301 N. SCOTT AVE. BELTON, MO 64012				
Addressee / Facility Type:	Not Reported				
Facility Name:	Not Reported				
Facility Latitude:	38 48 42	Facility Longitude:	094 31 54		
City Served:	SOUTHFORK MHP				
Treatment Class:	Untreated	Population Served:	501 - 1,000 Persons		
Well currently has or has had major violation(s):	No				

# 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.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

## FEDERAL ASTM RECORDS:

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS

Telephone: 703-416-0702

CERCLIS: 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: 03/15/95  
Date Made Active at EDR: 06/08/95

Date of Data Arrival at EDR: 04/25/95  
Elapsed ASTM days: 44

### ERNS: Emergency Response Notification System

Source: EPA

Telephone: 202-260-2342

ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/94  
Date Made Active at EDR: 05/25/95

Date of Data Arrival at EDR: 04/11/95  
Elapsed ASTM days: 44

### NPL: National Priority List

Source: EPA

Telephone: 703-603-8852

NPL: 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, it is EDR's policy to plot NPL sites greater than approximately 500 acres in size as areas (polygons). Sites smaller in size are point-geocoded at the site's address.

Date of Government Version: 05/26/95  
Date Made Active at EDR: 06/06/95

Date of Data Arrival at EDR: 06/06/95  
Elapsed ASTM days: 0

### RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 202-260-3393

RCRIS: Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/31/95  
Date Made Active at EDR: 08/22/95

Date of Data Arrival at EDR: 06/28/95  
Elapsed ASTM days: 55

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FEDERAL NON-ASTM RECORDS:

### CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

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: Varies

Date of Next Scheduled Update: 09/01/95

### CORRACTS: Corrective Action Report

Source: EPA

Telephone: 202-260-3393

CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/95

Date of Next Scheduled Update: 09/18/95

### FINDS: Facility Index System

Source: EPA/NTIS

Telephone: 800-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System); PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 07/27/94

Date of Next Scheduled Update: 10/16/95

### HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/94

Date of Next Scheduled Update: 12/04/95

### MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

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: 01/01/95

Date of Next Scheduled Update: 10/16/95

### NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 202-260-8969

NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91

Date of Next Scheduled Update: 11/27/95

### PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3992

PADS: 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: 10/14/94

Date of Next Scheduled Update: 09/18/95

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**RAATS: RCRA Administrative Action Tracking System**

Source: EPA

Telephone: 202-564-4104

RAATS: 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.

Date of Government Version: 04/17/95

Date of Next Scheduled Update: 10/02/95

**ROD: Records Of Decision**

Source: NTIS

Telephone: 703-416-0703

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: 03/31/95

Date of Next Scheduled Update: 12/04/95

**TRIS: Toxic Chemical Release Inventory System**

Source: EPA/NTIS

Telephone: 202-260-2320

TRIS: 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: 12/31/92

Date of Next Scheduled Update: 10/09/95

**TSCA: Toxic Substances Control Act**

Source: EPA/NTIS

Telephone: 202-260-1444

TSCA: 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. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 05/15/86

Date of Next Scheduled Update: 09/18/95

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STATE OF MISSOURI ASTM RECORDS:

**LUST:** Leaking Underground Storage Tanks  
Source: Department of Natural Resources  
Telephone: 314-526-3349

LUST: 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: 05/31/95  
Date Made Active at EDR: 07/26/95

Date of Data Arrival at EDR: 06/16/95  
Elapsed ASTM days: 40

**SHWS:** Registry and Registry Log  
Source: Department of Natural Resources  
Telephone: 314-751-1990

SHWS: 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: 06/30/95  
Date Made Active at EDR: 08/21/95

Date of Data Arrival at EDR: 07/21/95  
Elapsed ASTM days: 31

**SWF/LS:** Solid Waste Disposal Areas & Processing Facilities  
Source: Department of Natural Resources  
Telephone: 314-751-5401

SWF/LS: Solid Waste Facilities/Landfill Sites. SWF/LS 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 Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/95  
Date Made Active at EDR: 07/26/95

Date of Data Arrival at EDR: 06/19/95  
Elapsed ASTM days: 37

**UST:** Underground Storage Tank Information  
Source: Department of Natural Resources  
Telephone: 314-751-7326

UST: 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: 03/31/95  
Date Made Active at EDR: 06/26/95

Date of Data Arrival at EDR: 05/30/95  
Elapsed ASTM days: 27

## STATE OF MISSOURI NON-ASTM RECORDS:

**AST:** Service Station Master Listing  
Source: Department of Agriculture  
Telephone: 314-751-4278

Date of Government Version: 05/01/95

Date of Next Scheduled Update: 11/13/95

### Historical and 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

## Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

### NFRAP: No Further Remedial Action Planned

Source: EPA/NTIS

Telephone: 703-416-0702

NFRAP: As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

### FRDS: Federal Reporting Data System

Source: EPA/Office of Drinking Water

FRDS provides information regarding public water supplies and their compliance with monitoring requirements, maximum contaminant levels (MCL's), and other requirements of the Safe Drinking Water Act of 1986.

**Area Radon Information:** 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.

**Oil/Gas Pipelines/Electrical Transmission Lines:** 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 and electrical transmission lines.

**Sensitive Receptors:** There are individuals who, due to their fragile immune systems, are deemed to be especially sensitive to environmental discharges. These typically include the elderly, the sick, and children. While the exact location of these sensitive receptors cannot be determined, EDR indicates those facilities, such as schools, hospitals, day care centers, and nursing homes, where sensitive receptors are likely to be located.

**USGS Water Wells:** In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. 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 more than 900,000 wells, springs, and other sources of groundwater.

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1994 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration



**Environmental  
Data  
Resources, Inc.**

Creators of Toxiccheck®

# **EDR-Site Report™**

for

**RICHARDO - GEBAUR AIR BASE**

15404 MAXWELL AVE  
KANSAS CITY, MO 64147

Inquiry Number:

August 29, 1995

***The Source  
For Environmental  
Risk Management  
Data***

3530 Post Road  
Southport, Connecticut 06490

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802

# TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary .....** ..... **Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports .....** ..... **Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information. ....** ..... **Page 5**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

**Disclaimer**

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information contained in this report. The customer shall assume full responsibility for the use of this report. **No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties. In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages.**

# SECTION 1: FACILITY SUMMARY

<b>FACILITY</b>	<b>FACILITY 1</b> RICHARDO - GEBEUR AIR BASE 15404 MAXWELL AVE KANSAS CITY, MO 64147 EDR ID #S100773813
<b>AREA</b>	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	YES - p4
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility is not a Superfund Site but has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LS)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has enforcement actions under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## **SECTION 2: FACILITY DETAIL REPORTS**

### **WASTE MANAGEMENT**

**Facility has reported leaking underground storage tank incidents**

**DATABASE: Leaking Petroleum Storage Tank Database (LUST)**

RICHARDO - GEBEUR AIR BASE  
15404 MAXWELL AVE  
KANSAS CITY, MO 64147

LUST:  
Facility ID: LU2102

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement for databases included in ASTM E1527-94.

### WASTE MANAGEMENT

#### RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS  
Telephone: 202-260-3393

RCRIS: Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/31/1995  
Date Made Active at EDR: 08/22/1995

Date of Data Arrival at EDR: 06/28/1995  
Elapsed ASTM Days: 55

#### RAATS: RCRA Administrative Action Tracking System

Source: EPA  
Telephone: 202-564-4104

RAATS: 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.

Date of Government Version: 04/17/1995

Date of Next Scheduled Update: 10/02/95

#### CORRACTS: Corrective Action Report

Source: EPA  
Telephone: 202-260-3393

CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/1995

Date of Next Scheduled Update: 09/18/95

#### PADS: PCB Activity Database System

Source: EPA  
Telephone: 202-260-3992

PADS: 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: 10/14/1994

Date of Next Scheduled Update: 09/18/95

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Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169

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: 01/01/1995

Date of Next Scheduled Update: 10/16/95

#### MO AST: Service Station Master Listing

Source: Department of Agriculture  
Telephone: 314-751-4278

Date of Government Version: 05/01/1995

Date of Next Scheduled Update: 11/13/95

#### MO UST: Underground Storage Tank Information

Source: Department of Natural Resources  
Telephone: 314-751-7326

UST: 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: 03/31/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/30/1995  
Elapsed ASTM Days: 27

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO LUST: Leaking Underground Storage Tanks

Source: Department of Natural Resources  
Telephone: 314-526-3349

LUST: 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: 05/31/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/16/1995  
Elapsed ASTM Days: 40

### ERNS: Emergency Response Notification System

Source: EPA  
Telephone: 202-260-2342

ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/1994  
Date Made Active at EDR: 05/25/1995

Date of Data Arrival at EDR: 04/11/1995  
Elapsed ASTM Days: 44

### HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation  
Telephone: 202-366-4555

HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/1994

Date of Next Scheduled Update: 12/04/95

## WASTE DISPOSAL

### NPL: National Priority List

Source: EPA  
Telephone: 703-603-8852

NPL: 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, it is EDR's policy to plot NPL sites greater than approximately 500 acres in size as areas (polygons). Sites smaller in size are point-geocoded at the site's address.

Date of Government Version: 05/26/1995  
Date Made Active at EDR: 06/06/1995

Date of Data Arrival at EDR: 06/06/1995  
Elapsed ASTM Days: 0

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS  
Telephone: 703-416-0702

CERCLIS: Comprehensive Environmental Response, Compensation and Liability Information System. CERCLIS contains information on sites identified by the USEPA as known or suspect abandoned, inactive or uncontrolled hazardous waste sites which may require cleanup.

Date of Government Version: 03/15/1995  
Date Made Active at EDR: 06/08/1995

Date of Data Arrival at EDR: 04/25/1995  
Elapsed ASTM Days: 44

### NPL LIENS: Federal Superfund Liens

Source: EPA  
Telephone: 202-260-8969

NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991  
Date Made Active at EDR: 03/30/1994

Date of Data Arrival at EDR: 02/02/1994  
Elapsed ASTM Days: 56

### MO SHWS: Registry and Registry Log

Source: Department of Natural Resources  
Telephone: 314-751-1990

SHWS: 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: 06/30/1995  
Date Made Active at EDR: 08/21/1995

Date of Data Arrival at EDR: 07/21/1995  
Elapsed ASTM Days: 31

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO SWF/LS: Solid Waste Disposal Areas & Processing Facilities

Source: Department of Natural Resources

Telephone: 314-751-5401

SWF/LS: Solid Waste Facilities/Landfill Sites. SWF/LS 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 Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/19/1995  
Elapsed ASTM Days: 37

### MULTIMEDIA

#### TRIS: Toxic Chemical Release Inventory System

Source: EPA/NTIS

Telephone: 202-260-2320

TRIS: 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: 12/31/1992

Date of Next Scheduled Update: 10/09/95

#### TSCA: Toxic Substances Control Act

Source: EPA/NTIS

Telephone: 202-260-1444

TSCA: 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. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 05/15/1986

Date of Next Scheduled Update: 09/18/95

#### FTTS: Fifra / Tscia Tracking System

Source: EPA/Office of Prevention, Pesticides & Toxic Substances

Telephone: 202-260-7864

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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/15/1995

Date of Next Scheduled Update: 11/06/95

#### FINDS: Facility Index System

Source: EPA/NTIS

Telephone: 800-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 07/27/1994

Date of Next Scheduled Update: 10/16/95

### POTENTIAL SUPERFUND LIABILITY

#### SETS: Site Enforcement Tracking System

Source: EPA/NTIS

Telephone: 202-260-8718

SETS list the potentially responsible parties (PRPs) recorded by EPA (in SETS) at Superfund sites. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/15/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/15/1995  
Elapsed ASTM Days: 42

# **EDR-Site Report™**

for

**RICHARDS-GEBAUR AIRPORT**

3509 E 147TH ST BLDG 1010

KANSAS CITY, MO 64147

Inquiry Number:

August 29, 1995



**Environmental  
Data  
Resources, Inc.**

Creators of Toxiccheck®

***The Source  
For Environmental  
Risk Management  
Data***

3530 Post Road  
Southport, Connecticut 06490

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary .....** ..... **Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports .....** ..... **Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information. ....** ..... **Page 5**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

**Disclaimer**

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information contained in this report. The customer shall assume full responsibility for the use of this report. **No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties.** In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages.

# SECTION 1: FACILITY SUMMARY

<b>FACILITY</b>	<b>FACILITY 1</b>
<b>AREA</b>	RICHARDS-GEBAUER AIRPORT 3509 E 147TH ST BLDG 1010 KANSAS CITY, MO 64147 EDR ID #U001159835
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	YES - p4
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility is not a Superfund Site but has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LS)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has enforcement actions under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility manages registered underground storage tanks

DATABASE: Petroleum Storage Tank Database (UST)

RICHARDS-GEBAUR AIRPORT -  
3509 E 147TH ST BLDG 1010  
KANSAS CITY, MO 64147

#### UST:

Facility ID:	UT0012633	Facility Contact:	Not reported
Total Tanks:	3	Facility Telephone:	Not reported
Tank ID:	1	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBAUR
Tank Status:	Currently in use	Owner Address:	15405 MAXWELL AVENUE
Capacity:	1000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	PETROLEUM	Owner Telephone:	816/322/0001
Facility ID:	UT0012633	Facility Contact:	Not reported
Total Tanks:	3	Facility Telephone:	Not reported
Tank ID:	2	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBAUR
Tank Status:	Permanently closed in place	Owner Address:	15405 MAXWELL AVENUE
Capacity:	2500	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	PETROLEUM	Owner Telephone:	816/322/0001
Facility ID:	UT0012633	Facility Contact:	Not reported
Total Tanks:	3	Facility Telephone:	Not reported
Tank ID:	3	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBAUR
Tank Status:	Permanently closed in place	Owner Address:	15405 MAXWELL AVENUE
Capacity:	500	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	DIESEL	Owner Telephone:	816/322/0001

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement for databases included in ASTM E1527-94.

### WASTE MANAGEMENT

#### RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 202-260-3393

RCRIS: Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/31/1995  
Date Made Active at EDR: 08/22/1995

Date of Data Arrival at EDR: 06/28/1995  
Elapsed ASTM Days: 55

#### RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RAATS: 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.

Date of Government Version: 04/17/1995

Date of Next Scheduled Update: 10/02/95

#### CORRACTS: Corrective Action Report

Source: EPA

Telephone: 202-260-3393

CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/1995

Date of Next Scheduled Update: 09/18/95

#### PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3992

PADS: 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: 10/14/1994

Date of Next Scheduled Update: 09/18/95

#### MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

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: 01/01/1995

Date of Next Scheduled Update: 10/16/95

#### MO AST: Service Station Master Listing

Source: Department of Agriculture

Telephone: 314-751-4278

Date of Government Version: 05/01/1995

Date of Next Scheduled Update: 11/13/95

#### MO UST: Underground Storage Tank Information

Source: Department of Natural Resources

Telephone: 314-751-7326

UST: 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: 03/31/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/30/1995  
Elapsed ASTM Days: 27

### SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

#### MO LUST: Leaking Underground Storage Tanks

Source: Department of Natural Resources  
Telephone: 314-526-3349

LUST: 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: 05/31/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/16/1995  
Elapsed ASTM Days: 40

#### ERNS: Emergency Response Notification System

Source: EPA  
Telephone: 202-260-2342

ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/1994  
Date Made Active at EDR: 05/25/1995

Date of Data Arrival at EDR: 04/11/1995  
Elapsed ASTM Days: 44

#### HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation  
Telephone: 202-366-4555

HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/1994

Date of Next Scheduled Update: 12/04/95

### WASTE DISPOSAL

#### NPL: National Priority List

Source: EPA  
Telephone: 703-603-8852

NPL: 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, it is EDR's policy to plot NPL sites greater than approximately 500 acres in size as areas (polygons). Sites smaller in size are point-geocoded at the site's address.

Date of Government Version: 05/26/1995  
Date Made Active at EDR: 06/06/1995

Date of Data Arrival at EDR: 06/06/1995  
Elapsed ASTM Days: 0

#### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS  
Telephone: 703-416-0702

CERCLIS: Comprehensive Environmental Response, Compensation and Liability Information System. CERCLIS contains information on sites identified by the USEPA as known or suspect abandoned, inactive or uncontrolled hazardous waste sites which may require cleanup.

Date of Government Version: 03/15/1995  
Date Made Active at EDR: 06/08/1995

Date of Data Arrival at EDR: 04/25/1995  
Elapsed ASTM Days: 44

#### NPL LIENS: Federal Superfund Liens

Source: EPA  
Telephone: 202-260-8969

NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991  
Date Made Active at EDR: 03/30/1994

Date of Data Arrival at EDR: 02/02/1994  
Elapsed ASTM Days: 56

#### MO SHWS: Registry and Registry Log

Source: Department of Natural Resources  
Telephone: 314-751-1990

SHWS: 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: 06/30/1995  
Date Made Active at EDR: 08/21/1995

Date of Data Arrival at EDR: 07/21/1995  
Elapsed ASTM Days: 31

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO SWF/LS: Solid Waste Disposal Areas & Processing Facilities

Source: Department of Natural Resources  
Telephone: 314-751-5401

SWF/LS: Solid Waste Facilities/Landfill Sites. SWF/LS 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 Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/19/1995  
Elapsed ASTM Days: 37

### MULTIMEDIA

#### TRIS: Toxic Chemical Release Inventory System

Source: EPA/NTIS  
Telephone: 202-260-2320

TRIS: 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: 12/31/1992

Date of Next Scheduled Update: 10/09/95

#### TSCA: Toxic Substances Control Act

Source: EPA/NTIS  
Telephone: 202-260-1444

TSCA: 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. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 05/15/1986

Date of Next Scheduled Update: 09/18/95

#### FTTS: Fifra / Tscia Tracking System

Source: EPA/Office of Prevention, Pesticides & Toxic Substances  
Telephone: 202-260-7864

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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/15/1995

Date of Next Scheduled Update: 11/06/95

#### FINDS: Facility Index System

Source: EPA/NTIS  
Telephone: 800-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 07/27/1994

Date of Next Scheduled Update: 10/16/95

### POTENTIAL SUPERFUND LIABILITY

#### SETS: Site Enforcement Tracking System

Source: EPA/NTIS  
Telephone: 202-260-8718

SETS list the potentially responsible parties (PRPs) recorded by EPA (in SETS) at Superfund sites. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/15/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/15/1995  
Elapsed ASTM Days: 42

# **EDR-Site Report™**

for

**RICHARDS-GEBAUR AIRPORT**

3401 E 155TH TER BLDG 82  
KANSAS CITY, MO 64147

Inquiry Number:

August 29, 1995



**Environmental  
Data  
Resources, Inc.**

Creators of Toxiccheck®

***The Source  
For Environmental  
Risk Management  
Data***

3530 Post Road  
Southport, Connecticut 06490

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
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All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information. ....** **Page 5**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

***Thank you for your business.***  
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## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility manages registered underground storage tanks

**DATABASE: Petroleum Storage Tank Database (UST)**

RICHARDS-GEBAUR AIRPORT-  
3401 E 155TH TER BLDG 82  
KANSAS CITY, MO 64147

**UST:**

Facility ID: UT0012631  
Total Tanks: 2  
Tank ID: 1  
Tank Status: Currently in use  
Capacity: 15000  
Substance: GASOLINE

Facility Contact: Not reported  
Facility Telephone: Not reported  
Owner Name: AVIATION DEPARTMENT/RICHARDS-GEBAUR  
Owner Address: 15405 MAXWELL AVENUE  
City, State, Zip: KANSAS CITY, MO 64147  
Owner Telephone: 816/322/0001

Facility ID: UT0012631  
Total Tanks: 2  
Tank ID: 2  
Tank Status: Currently in use  
Capacity: 500  
Substance: USED OIL

Facility Contact: Not reported  
Facility Telephone: Not reported  
Owner Name: AVIATION DEPARTMENT/RICHARDS-GEBAUR  
Owner Address: 15405 MAXWELL AVENUE  
City, State, Zip: KANSAS CITY, MO 64147  
Owner Telephone: 816/322/0001

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

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### WASTE MANAGEMENT

**RCRIS:** Resource Conservation and Recovery Information System  
Source: EPA/NTIS  
Telephone: 202-260-3393

RCRIS: Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/31/1995  
Date Made Active at EDR: 08/22/1995

Date of Data Arrival at EDR: 06/28/1995  
Elapsed ASTM Days: 55

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Source: EPA  
Telephone: 202-564-4104

RAATS: 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.

Date of Government Version: 04/17/1995

Date of Next Scheduled Update: 10/02/95

**CORRACTS:** Corrective Action Report  
Source: EPA  
Telephone: 202-260-3393

CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/1995

Date of Next Scheduled Update: 09/18/95

**PADS:** PCB Activity Database System  
Source: EPA  
Telephone: 202-260-3992

PADS: 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: 10/14/1994

Date of Next Scheduled Update: 09/18/95

**MLTS:** Material Licensing Tracking System  
Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169

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: 01/01/1995

Date of Next Scheduled Update: 10/16/95

**MO AST:** Service Station Master Listing  
Source: Department of Agriculture  
Telephone: 314-751-4278

Date of Government Version: 05/01/1995

Date of Next Scheduled Update: 11/13/95

**MO UST:** Underground Storage Tank Information  
Source: Department of Natural Resources  
Telephone: 314-751-7326

UST: 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: 03/31/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/30/1995  
Elapsed ASTM Days: 27

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO LUST: Leaking Underground Storage Tanks

Source: Department of Natural Resources  
Telephone: 314-526-3349

LUST: 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: 05/31/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/16/1995  
Elapsed ASTM Days: 40

### ERNS: Emergency Response Notification System

Source: EPA  
Telephone: 202-260-2342

ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/1994  
Date Made Active at EDR: 05/25/1995

Date of Data Arrival at EDR: 04/11/1995  
Elapsed ASTM Days: 44

### HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation  
Telephone: 202-366-4555

HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/1994

Date of Next Scheduled Update: 12/04/95

## WASTE DISPOSAL

### NPL: National Priority List

Source: EPA  
Telephone: 703-603-8852

NPL: 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, it is EDR's policy to plot NPL sites greater than approximately 500 acres in size as areas (polygons). Sites smaller in size are point-geocoded at the site's address.

Date of Government Version: 05/26/1995  
Date Made Active at EDR: 06/06/1995

Date of Data Arrival at EDR: 06/06/1995  
Elapsed ASTM Days: 0

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS  
Telephone: 703-416-0702

CERCLIS: Comprehensive Environmental Response, Compensation and Liability Information System. CERCLIS contains information on sites identified by the USEPA as known or suspect abandoned, inactive or uncontrolled hazardous waste sites which may require cleanup.

Date of Government Version: 03/15/1995  
Date Made Active at EDR: 06/08/1995

Date of Data Arrival at EDR: 04/25/1995  
Elapsed ASTM Days: 44

### NPL LIENS: Federal Superfund Liens

Source: EPA  
Telephone: 202-260-8969

NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991  
Date Made Active at EDR: 03/30/1994

Date of Data Arrival at EDR: 02/02/1994  
Elapsed ASTM Days: 56

### MO SHWS: Registry and Registry Log

Source: Department of Natural Resources  
Telephone: 314-751-1990

SHWS: 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: 06/30/1995  
Date Made Active at EDR: 08/21/1995

Date of Data Arrival at EDR: 07/21/1995  
Elapsed ASTM Days: 31

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO SWF/LS: Solid Waste Disposal Areas & Processing Facilities

Source: Department of Natural Resources  
Telephone: 314-751-5401

SWF/LS: Solid Waste Facilities/Landfill Sites. SWF/LS 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 Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/19/1995  
Elapsed ASTM Days: 37

### MULTIMEDIA

#### TRIS: Toxic Chemical Release Inventory System

Source: EPA/NTIS  
Telephone: 202-260-2320

TRIS: 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: 12/31/1992

Date of Next Scheduled Update: 10/09/95

#### TSCA: Toxic Substances Control Act

Source: EPA/NTIS  
Telephone: 202-260-1444

TSCA: 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. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 05/15/1986

Date of Next Scheduled Update: 09/18/95

#### FTTS: Fifra / Tsc Tracking System

Source: EPA/Office of Prevention, Pesticides & Toxic Substances  
Telephone: 202-260-7864

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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/15/1995

Date of Next Scheduled Update: 11/06/95

#### FINDS: Facility Index System

Source: EPA/NTIS  
Telephone: 800-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 07/27/1994

Date of Next Scheduled Update: 10/16/95

### POTENTIAL SUPERFUND LIABILITY

#### SETS: Site Enforcement Tracking System

Source: EPA/NTIS  
Telephone: 202-260-8718

SETS list the potentially responsible parties (PRPs) recorded by EPA (in SETS) at Superfund sites. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/15/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/15/1995  
Elapsed ASTM Days: 42

# **EDR-Site Report™**

for

**RICHARDS-GEBAUR AIRPORT**

3411 E 155TH TER BLDG 829  
KANSAS CITY, MO 64147

Inquiry Number:

August 29, 1995



**Environmental  
Data  
Resources, Inc.**

Creators of Toxiccheck®

***The Source  
For Environmental  
Risk Management  
Data***

3530 Post Road  
Southport, Connecticut 06490

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802

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**Section 1: Facility Summary .....** ..... **Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports .....** ..... **Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information. ....** ..... **Page 5**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

**Disclaimer**

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information contained in this report. The customer shall assume full responsibility for the use of this report. **No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties. In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages.**

# SECTION 1: FACILITY SUMMARY

<b>FACILITY</b> <b>AREA</b>	<b>FACILITY 1</b> <b>RICHARDS-GEBEUR AIRPORT</b> 3411 E 155TH TER BLDG 829 KANSAS CITY, MO 64147 EDR ID #U000752660
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	YES - p4
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility is not a Superfund Site but has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LS)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has enforcement actions under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility manages registered underground storage tanks

**DATABASE: Petroleum Storage Tank Database (UST)**

RICHARDS-GEBAUER AIRPORT-  
3411 E 155TH TER BLDG 829  
KANSAS CITY, MO 64147

#### UST:

Facility ID: UT0012632  
Total Tanks: 3  
Tank ID: 1  
Tank Status: Currently in use  
Capacity: 500  
Substance: USED OIL

Facility Contact: Not reported  
Facility Telephone: Not reported  
Owner Name: AVIATION DEPARTMENT/RICHARDS-GEBAUER  
Owner Address: 15405 MAXWELL AVENUE  
City, State, Zip: KANSAS CITY, MO 64147  
Owner Telephone: 816/322/0001

Facility ID: UT0012632  
Total Tanks: 3  
Tank ID: 2  
Tank Status: Currently in use  
Capacity: 1000  
Substance: DIESEL

Facility Contact: Not reported  
Facility Telephone: Not reported  
Owner Name: AVIATION DEPARTMENT/RICHARDS-GEBAUER  
Owner Address: 15405 MAXWELL AVENUE  
City, State, Zip: KANSAS CITY, MO 64147  
Owner Telephone: 816/322/0001

Facility ID: UT0012632  
Total Tanks: 3  
Tank ID: 3  
Tank Status: Currently in use  
Capacity: 1000  
Substance: GASOLINE

Facility Contact: Not reported  
Facility Telephone: Not reported  
Owner Name: AVIATION DEPARTMENT/RICHARDS-GEBAUER  
Owner Address: 15405 MAXWELL AVENUE  
City, State, Zip: KANSAS CITY, MO 64147  
Owner Telephone: 816/322/0001

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement for databases included in ASTM E1527-94.

### WASTE MANAGEMENT

#### RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS  
Telephone: 202-260-3393

RCRIS: Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/31/1995  
Date Made Active at EDR: 08/22/1995

Date of Data Arrival at EDR: 06/28/1995  
Elapsed ASTM Days: 55

#### RAATS: RCRA Administrative Action Tracking System

Source: EPA  
Telephone: 202-564-4104

RAATS: 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.

Date of Government Version: 04/17/1995

Date of Next Scheduled Update: 10/02/95

#### CORRACTS: Corrective Action Report

Source: EPA  
Telephone: 202-260-3393

CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/1995

Date of Next Scheduled Update: 09/18/95

#### PADS: PCB Activity Database System

Source: EPA  
Telephone: 202-260-3992

PADS: 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: 10/14/1994

Date of Next Scheduled Update: 09/18/95

#### MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169

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: 01/01/1995

Date of Next Scheduled Update: 10/16/95

#### MO AST: Service Station Master Listing

Source: Department of Agriculture  
Telephone: 314-751-4278

Date of Government Version: 05/01/1995

Date of Next Scheduled Update: 11/13/95

#### MO UST: Underground Storage Tank Information

Source: Department of Natural Resources  
Telephone: 314-751-7326

UST: 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: 03/31/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/30/1995  
Elapsed ASTM Days: 27

### SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

#### MO LUST: Leaking Underground Storage Tanks

Source: Department of Natural Resources  
Telephone: 314-526-3349

LUST: 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: 05/31/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/16/1995  
Elapsed ASTM Days: 40

#### ERNS: Emergency Response Notification System

Source: EPA  
Telephone: 202-260-2342

ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/1994  
Date Made Active at EDR: 05/25/1995

Date of Data Arrival at EDR: 04/11/1995  
Elapsed ASTM Days: 44

#### HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation  
Telephone: 202-366-4555

HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/1994

Date of Next Scheduled Update: 12/04/95

### WASTE DISPOSAL

#### NPL: National Priority List

Source: EPA  
Telephone: 703-603-8852

NPL: 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, it is EDR's policy to plot NPL sites greater than approximately 500 acres in size as areas (polygons). Sites smaller in size are point-geocoded at the site's address.

Date of Government Version: 05/26/1995  
Date Made Active at EDR: 06/06/1995

Date of Data Arrival at EDR: 06/06/1995  
Elapsed ASTM Days: 0

#### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS  
Telephone: 703-416-0702

CERCLIS: Comprehensive Environmental Response, Compensation and Liability Information System. CERCLIS contains information on sites identified by the USEPA as known or suspect abandoned, inactive or uncontrolled hazardous waste sites which may require cleanup.

Date of Government Version: 03/15/1995  
Date Made Active at EDR: 06/08/1995

Date of Data Arrival at EDR: 04/25/1995  
Elapsed ASTM Days: 44

#### NPL LIENS: Federal Superfund Liens

Source: EPA  
Telephone: 202-260-8969

NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991  
Date Made Active at EDR: 03/30/1994

Date of Data Arrival at EDR: 02/02/1994  
Elapsed ASTM Days: 56

#### MO SHWS: Registry and Registry Log

Source: Department of Natural Resources  
Telephone: 314-751-1990

SHWS: 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: 06/30/1995  
Date Made Active at EDR: 08/21/1995

Date of Data Arrival at EDR: 07/21/1995  
Elapsed ASTM Days: 31

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

**MO SWF/LS:** Solid Waste Disposal Areas & Processing Facilities  
Source: Department of Natural Resources  
Telephone: 314-751-5401

SWF/LS: Solid Waste Facilities/Landfill Sites. SWF/LS 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 Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/19/1995  
Elapsed ASTM Days: 37

### MULTIMEDIA

**TRIS:** Toxic Chemical Release Inventory System  
Source: EPA/NTIS

Telephone: 202-260-2320

TRIS: 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: 12/31/1992

Date of Next Scheduled Update: 10/09/95

**TSCA:** Toxic Substances Control Act

Source: EPA/NTIS

Telephone: 202-260-1444

TSCA: 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. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 05/15/1986

Date of Next Scheduled Update: 09/18/95

**FTTS:** Fifra / Tscia Tracking System

Source: EPA/Office of Prevention, Pesticides & Toxic Substances

Telephone: 202-260-7864

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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/15/1995

Date of Next Scheduled Update: 11/06/95

**FINDS:** Facility Index System

Source: EPA/NTIS

Telephone: 800-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 07/27/1994

Date of Next Scheduled Update: 10/16/95

### POTENTIAL SUPERFUND LIABILITY

**SETS:** Site Enforcement Tracking System

Source: EPA/NTIS

Telephone: 202-260-8718

SETS list the potentially responsible parties (PRPs) recorded by EPA (in SETS) at Superfund sites. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/15/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/15/1995  
Elapsed ASTM Days: 42

# **EDR-Site Report™**

for

**RICHARDS-GEBAUR AIRPORT**

15415 DENVER AVE, BLDG 1301  
KANSAS CITY, MO 64147

Inquiry Number:

August 29, 1995



**Environmental  
Data  
Resources, Inc.**

Creators of Toxiccheck®

***The Source  
For Environmental  
Risk Management  
Data***

3530 Post Road  
Southport, Connecticut 06490

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
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All available detailed information from databases where sites are identified.

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Name, source, update dates, contact phone number and description of each of the databases searched for this report.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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# SECTION 1: FACILITY SUMMARY

<b>FACILITY</b>	<b>FACILITY 1</b>
<b>AREA</b>	RICHARDS-GEBAUR AIRPORT 15415 DENVER AVE. BLDG 1301 KANSAS CITY, MO 64147 EDR ID #U001159836
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	YES - p4
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility is not a Superfund Site but has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LS)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has enforcement actions under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility manages registered underground storage tanks

**DATABASE: Petroleum Storage Tank Database (UST)**

RICHARDS-GEBEUR AIRPORT-  
15600 SPRUCE AVE BLDG 514  
KANSAS CITY, MO 64147

UST:

Facility ID:	UT0012625	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	1	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBEUR
Tank Status:	Currently in use	Owner Address:	15405 MAXWELL AVENUE
Capacity:	50000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	PETROLEUM	Owner Telephone:	816/322/0001
Facility ID:	UT0012625	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	2	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBEUR
Tank Status:	Currently in use	Owner Address:	15405 MAXWELL AVENUE
Capacity:	50000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	PETROLEUM	Owner Telephone:	816/322/0001
Facility ID:	UT0012625	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	3	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBEUR
Tank Status:	Currently in use	Owner Address:	15405 MAXWELL AVENUE
Capacity:	50000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	PETROLEUM	Owner Telephone:	816/322/0001
Facility ID:	UT0012625	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	4	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBEUR
Tank Status:	Currently in use	Owner Address:	15405 MAXWELL AVENUE
Capacity:	50000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	PETROLEUM	Owner Telephone:	816/322/0001
Facility ID:	UT0012625	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	5	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBEUR
Tank Status:	Currently in use	Owner Address:	15405 MAXWELL AVENUE
Capacity:	50000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	PETROLEUM	Owner Telephone:	816/322/0001

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases. EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement for databases included in ASTM E1527-94.

### WASTE MANAGEMENT

**RCRIS:** Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 202-260-3393

RCRIS: Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/31/1995

Date Made Active at EDR: 08/22/1995

Date of Data Arrival at EDR: 06/28/1995

Elapsed ASTM Days: 55

**RAATS:** RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RAATS: RCRA Administrative 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.

Date of Government Version: 04/17/1995

Date of Next Scheduled Update: 10/02/95

**CORRACTS:** Corrective Action Report

Source: EPA

Telephone: 202-260-3393

CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/1995

Date of Next Scheduled Update: 09/18/95

**PADS:** PCB Activity Database System

Source: EPA

Telephone: 202-260-3992

PADS: 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: 10/14/1994

Date of Next Scheduled Update: 09/18/95

**MLTS:** Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

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: 01/01/1995

Date of Next Scheduled Update: 10/16/95

**MO AST:** Service Station Master Listing

Source: Department of Agriculture

Telephone: 314-751-4278

Date of Government Version: 05/01/1995

Date of Next Scheduled Update: 11/13/95

**MO UST:** Underground Storage Tank Information

Source: Department of Natural Resources

Telephone: 314-751-7326

UST: 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: 03/31/1995

Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/30/1995

Elapsed ASTM Days: 27

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

**MO LUST:** Leaking Underground Storage Tanks  
Source: Department of Natural Resources  
Telephone: 314-526-3349

LUST: 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: 05/31/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/16/1995  
Elapsed ASTM Days: 40

**ERNS:** Emergency Response Notification System  
Source: EPA  
Telephone: 202-260-2342

ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/1994  
Date Made Active at EDR: 05/25/1995

Date of Data Arrival at EDR: 04/11/1995  
Elapsed ASTM Days: 44

**HMIRS:** Hazardous Materials Information Reporting System  
Source: U.S. Department of Transportation  
Telephone: 202-366-4555

HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/1994

Date of Next Scheduled Update: 12/04/95

### WASTE DISPOSAL

**NPL:** National Priority List  
Source: EPA  
Telephone: 703-603-8852

NPL: 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, it is EDR's policy to plot NPL sites greater than approximately 500 acres in size as areas (polygons). Sites smaller in size are point-geocoded at the site's address.

Date of Government Version: 05/26/1995  
Date Made Active at EDR: 06/06/1995

Date of Data Arrival at EDR: 06/06/1995  
Elapsed ASTM Days: 0

**CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System  
Source: EPA/NTIS  
Telephone: 703-416-0702

CERCLIS: Comprehensive Environmental Response, Compensation and Liability Information System. CERCLIS contains information on sites identified by the USEPA as known or suspect abandoned, inactive or uncontrolled hazardous waste sites which may require cleanup.

Date of Government Version: 03/15/1995  
Date Made Active at EDR: 06/08/1995

Date of Data Arrival at EDR: 04/25/1995  
Elapsed ASTM Days: 44

**NPL LIENS:** Federal Superfund Liens  
Source: EPA  
Telephone: 202-260-8969

NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991  
Date Made Active at EDR: 03/30/1994

Date of Data Arrival at EDR: 02/02/1994  
Elapsed ASTM Days: 56

**MO SHWS:** Registry and Registry Log  
Source: Department of Natural Resources  
Telephone: 314-751-1990

SHWS: 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: 06/30/1995  
Date Made Active at EDR: 08/21/1995

Date of Data Arrival at EDR: 07/21/1995  
Elapsed ASTM Days: 31

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO SWF/LS: Solid Waste Disposal Areas & Processing Facilities

Source: Department of Natural Resources  
Telephone: 314-751-5401

SWF/LS: Solid Waste Facilities/Landfill Sites. SWF/LS 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 Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/19/1995  
Elapsed ASTM Days: 37

### MULTIMEDIA

#### TRIS: Toxic Chemical Release Inventory System

Source: EPA/NTIS  
Telephone: 202-260-2320

TRIS: 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: 12/31/1992

Date of Next Scheduled Update: 10/09/95

#### TSCA: Toxic Substances Control Act

Source: EPA/NTIS  
Telephone: 202-260-1444

TSCA: 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. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 05/15/1986

Date of Next Scheduled Update: 09/18/95

#### FTTS: Fifra / Tscia Tracking System

Source: EPA/Office of Prevention, Pesticides & Toxic Substances  
Telephone: 202-260-7864

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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/15/1995

Date of Next Scheduled Update: 11/06/95

#### FINDS: Facility Index System

Source: EPA/NTIS  
Telephone: 800-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 07/27/1994

Date of Next Scheduled Update: 10/16/95

### POTENTIAL SUPERFUND LIABILITY

#### SETS: Site Enforcement Tracking System

Source: EPA/NTIS  
Telephone: 202-260-8718

SETS list the potentially responsible parties (PRPs) recorded by EPA (in SETS) at Superfund sites. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/15/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/15/1995  
Elapsed ASTM Days: 42

# **EDR-Site Report™**

for

**RICHARDS-GEBAUR AIRPORT**

NO STREET ADDRESS  
KANSAS CITY, MO 64147

Inquiry Number:

August 29, 1995



**Environmental  
Data  
Resources, Inc.**

Creators of Toxiccheck®

***The Source  
For Environmental  
Risk Management  
Data***

3530 Post Road  
Southport, Connecticut 06490

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary .....** ..... **Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports .....** ..... **Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information. ....** ..... **Page 5**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

**Disclaimer**

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information contained in this report. The customer shall assume full responsibility for the use of this report. No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties. In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages.

# SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 RICHARDS-GEBAUR AIRPORT NO STREET ADDRESS KANSAS CITY, MO 64147 EDR ID #U000752662
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	YES - p4
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility is not a Superfund Site but has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LS)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has enforcement actions under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility manages registered underground storage tanks

**DATABASE: Petroleum Storage Tank Database (UST)**

RICHARDS-GEBAUR AIRPORT-  
NO STREET ADDRESS  
KANSAS CITY, MO 64147

UST:

Facility ID:	UT0012634
Total Tanks:	1
Tank ID:	1
Tank Status:	Permanently closed in place
Capacity:	2000
Substance:	DIESEL

Facility Contact:	Not reported
Facility Telephone:	Not reported
Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBAUR
Owner Address:	15405 MAXWELL AVENUE
City, State, Zip:	KANSAS CITY, MO 64147
Owner Telephone:	816/322/0001

## **SECTION 3: DATABASES SEARCHED AND UPDATE DATES**

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement for databases included in ASTM E1527-94.

### **WASTE MANAGEMENT**

**RCRIS:** Resource Conservation and Recovery Information System  
Source: EPA/NTIS  
Telephone: 202-260-3393

RCRIS: Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/31/1995  
Date Made Active at EDR: 08/22/1995

Date of Data Arrival at EDR: 06/28/1995  
Elapsed ASTM Days: 55

**RAATS:** RCRA Administrative Action Tracking System  
Source: EPA  
Telephone: 202-564-4104

RAATS: 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.

Date of Government Version: 04/17/1995

Date of Next Scheduled Update: 10/02/95

**CORRACTS:** Corrective Action Report  
Source: EPA  
Telephone: 202-260-3393

CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/1995

Date of Next Scheduled Update: 09/18/95

**PADS:** PCB Activity Database System  
Source: EPA  
Telephone: 202-260-3392

PADS: 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: 10/14/1994

Date of Next Scheduled Update: 09/18/95

**MLTS:** Material Licensing Tracking System  
Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169

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: 01/01/1995

Date of Next Scheduled Update: 10/16/95

**MO AST:** Service Station Master Listing  
Source: Department of Agriculture  
Telephone: 314-751-4278

Date of Government Version: 05/01/1995

Date of Next Scheduled Update: 11/13/95

**MO UST:** Underground Storage Tank Information  
Source: Department of Natural Resources  
Telephone: 314-751-7326

UST: 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: 03/31/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/30/1995  
Elapsed ASTM Days: 27

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO LUST: Leaking Underground Storage Tanks

Source: Department of Natural Resources  
Telephone: 314-526-3349

LUST: 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: 05/31/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/16/1995  
Elapsed ASTM Days: 40

### ERNS: Emergency Response Notification System

Source: EPA  
Telephone: 202-260-2342

ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/1994  
Date Made Active at EDR: 05/25/1995

Date of Data Arrival at EDR: 04/11/1995  
Elapsed ASTM Days: 44

### HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation  
Telephone: 202-366-4555

HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/1994

Date of Next Scheduled Update: 12/04/95

## WASTE DISPOSAL

### NPL: National Priority List

Source: EPA  
Telephone: 703-603-8852

NPL: 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, it is EDR's policy to plot NPL site's address.

Date of Government Version: 05/26/1995  
Date Made Active at EDR: 06/06/1995

Date of Data Arrival at EDR: 06/06/1995  
Elapsed ASTM Days: 0

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS  
Telephone: 703-416-0702

CERCLIS: Comprehensive Environmental Response, Compensation and Liability Information System. CERCLIS contains information on sites identified by the USEPA as known or suspect abandoned, inactive or uncontrolled hazardous waste sites which may require cleanup.

Date of Government Version: 03/15/1995  
Date Made Active at EDR: 06/08/1995

Date of Data Arrival at EDR: 04/25/1995  
Elapsed ASTM Days: 44

### NPL LIENS: Federal Superfund Liens

Source: EPA  
Telephone: 202-260-8969

NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991  
Date Made Active at EDR: 03/30/1994

Date of Data Arrival at EDR: 02/02/1994  
Elapsed ASTM Days: 56

### MO SHWS: Registry and Registry Log

Source: Department of Natural Resources  
Telephone: 314-751-1990

SHWS: 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: 06/30/1995  
Date Made Active at EDR: 08/21/1995

Date of Data Arrival at EDR: 07/21/1995  
Elapsed ASTM Days: 31

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO SWF/LS: Solid Waste Disposal Areas & Processing Facilities

Source: Department of Natural Resources  
Telephone: 314-751-5401

SWF/LS: Solid Waste Facilities/Landfill Sites. SWF/LS 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 Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/19/1995  
Elapsed ASTM Days: 37

### MULTIMEDIA

#### TRIS: Toxic Chemical Release Inventory System

Source: EPA/NTIS  
Telephone: 202-260-2320

TRIS: 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: 12/31/1992

Date of Next Scheduled Update: 10/09/95

#### TSCA: Toxic Substances Control Act

Source: EPA/NTIS  
Telephone: 202-260-1444

TSCA: 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. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 05/15/1986

Date of Next Scheduled Update: 09/18/95

#### FTTS: Fifra / Tscfa Tracking System

Source: EPA/Office of Prevention, Pesticides & Toxic Substances  
Telephone: 202-260-7864

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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/15/1995

Date of Next Scheduled Update: 11/06/95

#### FINDS: Facility Index System

Source: EPA/NTIS  
Telephone: 800-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 07/27/1994

Date of Next Scheduled Update: 10/16/95

### POTENTIAL SUPERFUND LIABILITY

#### SETS: Site Enforcement Tracking System

Source: EPA/NTIS  
Telephone: 202-260-8718

SETS list the potentially responsible parties (PRPs) recorded by EPA (in SETS) at Superfund sites. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/15/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/15/1995  
Elapsed ASTM Days: 42

# **EDR-Site Report™**

for

**RICHARDS-GEBAUR AIRPORT**

NO STREET ADDRESS  
KANSAS CITY, MO 64147

Inquiry Number:

August 29, 1995



**Environmental  
Data  
Resources, Inc.**

Creators of Toxiccheck®

**The Source  
For Environmental  
Risk Management  
Data**

3530 Post Road  
Southport, Connecticut 06490

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802

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Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

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All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information. ....** ..... **Page 5**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

**Disclaimer**

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information contained in this report. The customer shall assume full responsibility for the use of this report. **No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties. In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages.**

# SECTION 1: FACILITY SUMMARY

<b>FACILITY</b>	<b>FACILITY 1</b> RICHARDS-GEBEUR AIRPORT NO STREET ADDRESS KANSAS CITY, MO 64147 EDR ID #U000752657
<b>AREA</b>	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	YES - p4
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility is not a Superfund Site but has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LS)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has enforcement actions under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility manages registered underground storage tanks

### DATABASE: Petroleum Storage Tank Database (UST)

RICHARDS-GEBAUR AIRPORT-  
NO STREET ADDRESS  
KANSAS CITY, MO 64147

#### UST:

Facility ID:	UT0012623	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	1	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBAUR
Tank Status:	Permanently closed in place	Owner Address:	15405 MAXWELL AVENUE
Capacity:	3000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	GASOLINE	Owner Telephone:	816/322/0001
Facility ID:	UT0012623	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	2	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBAUR
Tank Status:	Permanently closed in place	Owner Address:	15405 MAXWELL AVENUE
Capacity:	3000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	GASOLINE	Owner Telephone:	816/322/0001
Facility ID:	UT0012623	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	3	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBAUR
Tank Status:	Permanently closed in place	Owner Address:	15405 MAXWELL AVENUE
Capacity:	3000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	GASOLINE	Owner Telephone:	816/322/0001
Facility ID:	UT0012623	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	4	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBAUR
Tank Status:	Permanently closed in place	Owner Address:	15405 MAXWELL AVENUE
Capacity:	3000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	GASOLINE	Owner Telephone:	816/322/0001
Facility ID:	UT0012623	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	5	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBAUR
Tank Status:	Permanently closed in place	Owner Address:	15405 MAXWELL AVENUE
Capacity:	4000	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	GASOLINE	Owner Telephone:	816/322/0001
Facility ID:	UT0012623	Facility Contact:	Not reported
Total Tanks:	6	Facility Telephone:	Not reported
Tank ID:	6	Owner Name:	AVIATION DEPARTMENT/RICHARDS-GEBAUR
Tank Status:	Permanently closed in place	Owner Address:	15405 MAXWELL AVENUE
Capacity:	500	City, State, Zip:	KANSAS CITY, MO 64147
Substance:	USED OIL	Owner Telephone:	816/322/0001

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement for databases included in ASTM E1527-94.

### WASTE MANAGEMENT

#### RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS  
Telephone: 202-260-3393

RCRIS: Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/31/1995  
Date Made Active at EDR: 08/22/1995

Date of Data Arrival at EDR: 06/28/1995  
Elapsed ASTM Days: 55

#### RAATS: RCRA Administrative Action Tracking System

Source: EPA  
Telephone: 202-564-4104

RAATS: 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.

Date of Government Version: 04/17/1995

Date of Next Scheduled Update: 10/02/95

#### CORRACTS: Corrective Action Report

Source: EPA  
Telephone: 202-260-3393

CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/1995

Date of Next Scheduled Update: 09/18/95

#### PADS: PCB Activity Database System

Source: EPA  
Telephone: 202-260-3992

PADS: 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: 10/14/1994

Date of Next Scheduled Update: 09/18/95

#### MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169

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: 01/01/1995

Date of Next Scheduled Update: 10/16/95

#### MO AST: Service Station Master Listing

Source: Department of Agriculture  
Telephone: 314-751-4278

Date of Government Version: 05/01/1995

Date of Next Scheduled Update: 11/13/95

#### MO UST: Underground Storage Tank Information

Source: Department of Natural Resources  
Telephone: 314-751-7326

UST: 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: 03/31/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/30/1995  
Elapsed ASTM Days: 27

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

**MO LUST:** Leaking Underground Storage Tanks  
Source: Department of Natural Resources  
Telephone: 314-526-3349

LUST: 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: 05/31/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/16/1995  
Elapsed ASTM Days: 40

**ERNS:** Emergency Response Notification System

Source: EPA  
Telephone: 202-260-2342

ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/1994  
Date Made Active at EDR: 05/25/1995

Date of Data Arrival at EDR: 04/11/1995  
Elapsed ASTM Days: 44

**HMIRS:** Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation  
Telephone: 202-366-4555

HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/1994

Date of Next Scheduled Update: 12/04/95

### WASTE DISPOSAL

**NPL:** National Priority List  
Source: EPA

Telephone: 703-603-8852

NPL: 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, it is EDR's policy to plot NPL site's address.

Date of Government Version: 05/26/1995  
Date Made Active at EDR: 06/06/1995

Date of Data Arrival at EDR: 06/06/1995  
Elapsed ASTM Days: 0

**CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS

Telephone: 703-416-0702

CERCLIS: Comprehensive Environmental Response, Compensation and Liability Information System. CERCLIS contains information on sites identified by the USEPA as known or suspect abandoned, inactive or uncontrolled hazardous waste sites which may require cleanup.

Date of Government Version: 03/15/1995  
Date Made Active at EDR: 06/08/1995

Date of Data Arrival at EDR: 04/25/1995  
Elapsed ASTM Days: 44

**NPL LIENS:** Federal Superfund Liens

Source: EPA

Telephone: 202-260-8969

NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991  
Date Made Active at EDR: 03/30/1994

Date of Data Arrival at EDR: 02/02/1994  
Elapsed ASTM Days: 56

**MO SHWS:** Registry and Registry Log

Source: Department of Natural Resources

Telephone: 314-751-1990

SHWS: 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: 06/30/1995  
Date Made Active at EDR: 08/21/1995

Date of Data Arrival at EDR: 07/21/1995  
Elapsed ASTM Days: 31

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO SWF/LS: Solid Waste Disposal Areas & Processing Facilities

Source: Department of Natural Resources

Telephone: 314-751-5401

SWF/LS: Solid Waste Facilities/Landfill Sites. SWF/LS 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 Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/19/1995  
Elapsed ASTM Days: 37

### MULTIMEDIA

#### TRIS: Toxic Chemical Release Inventory System

Source: EPA/NTIS

Telephone: 202-260-2320

TRIS: 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: 12/31/1992

Date of Next Scheduled Update: 10/09/95

#### TSCA: Toxic Substances Control Act

Source: EPA/NTIS

Telephone: 202-260-1444

TSCA: 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. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 05/15/1986

Date of Next Scheduled Update: 09/18/95

#### FTTS: Fifra / Tscia Tracking System

Source: EPA/Office of Prevention, Pesticides & Toxic Substances

Telephone: 202-260-7864

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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/15/1995

Date of Next Scheduled Update: 11/06/95

#### FINDS: Facility Index System

Source: EPA/NTIS

Telephone: 800-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 07/27/1994

Date of Next Scheduled Update: 10/16/95

### POTENTIAL SUPERFUND LIABILITY

#### SETS: Site Enforcement Tracking System

Source: EPA/NTIS

Telephone: 202-260-8718

SETS list the potentially responsible parties (PRPs) recorded by EPA (in SETS) at Superfund sites. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/15/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/15/1995  
Elapsed ASTM Days: 42

**APPENDIX D**

**CLIENT PROVIDED INFORMATION**

August 1995

## 2.6 SITE DESCRIPTION

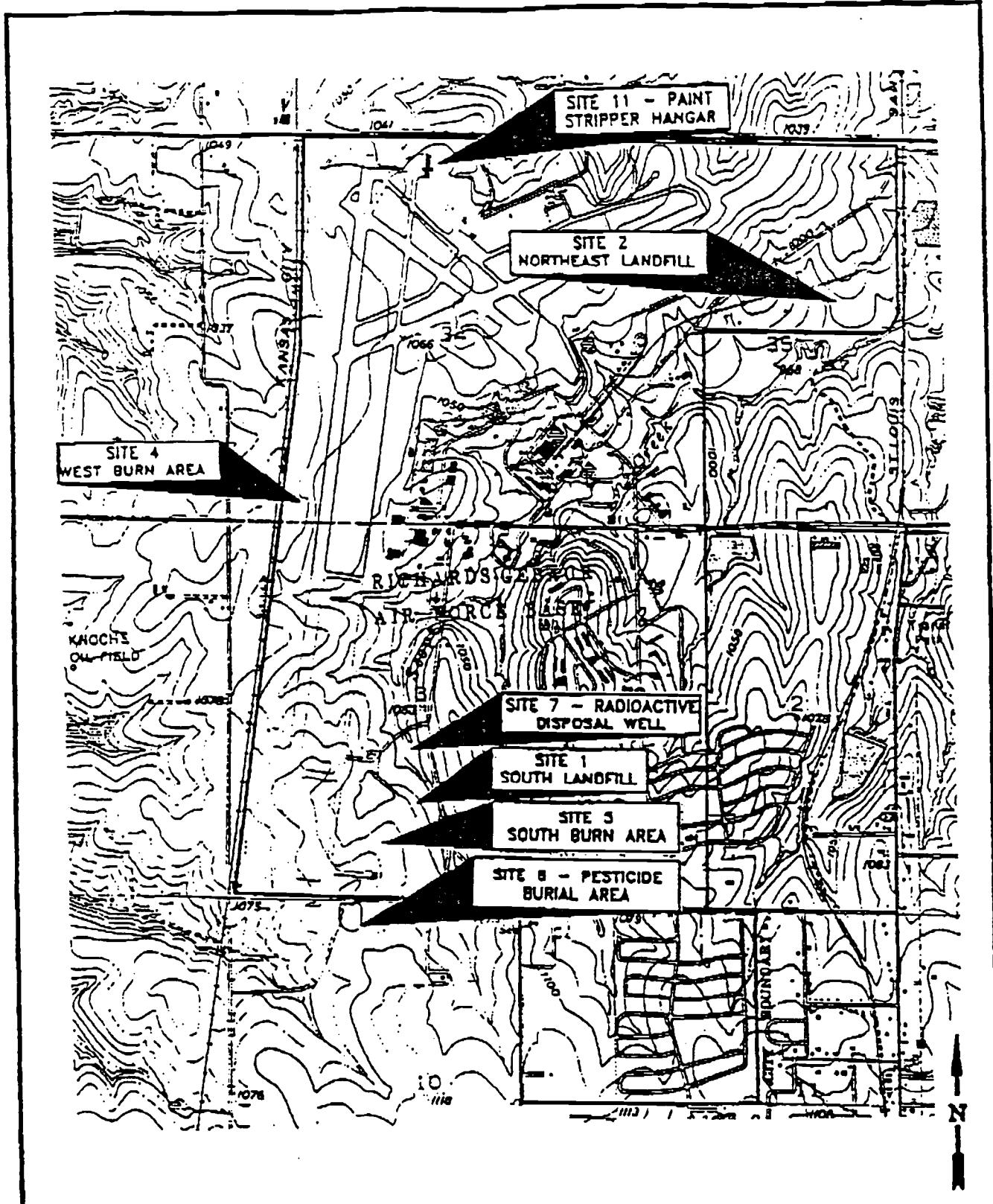
The primary source of historical information for Richards Gebaur is from the Installation Restoration Program Phase I Record Search by CH2M Hill dated March 1983. In addition, CDM Federal acquired information during records reviews and visual inspections of seven FUD sites. CDM Federal will evaluate the environmental conditions of seven sites at Richards Gebaur. These sites are shown in the following table and depicted in Figure 2-6.

FORMERLY USED DEFENSE SITES (FUDS)	
<i>Site No.</i>	<i>Site Description</i>
1	South Landfill
2	Northeast Landfill
4	West Burn Area
5	South Burn Area
7	Radioactive Disposal Well
8	Pesticide Burial Site
11	Print Stripper Hangar (Bldg 1010)

## 2.7 SOUTH LANDFILL

The South Landfill is located in the south-central part of Richards Gebaur. It is bounded on the west by a marshy area which is just below the base lake dam. The South Landfill is bounded on the north by a ditch for drainage from the base lake and on the east by Scope Creek (Figure 2-7). Access to the South Landfill is from the south where there is an open grassy area to the south boundary area, and to the southwest where the base runway and taxi ways are located. Approximately 1,000 yards to the southwest is Building 839, the Air Force's former non-destruct inspection laboratory.

The South Landfill is on a thin cover of unconsolidated silts and clays overlying Pennsylvanian Age rocks of the Zarah Subgroup. The unconsolidated deposit is less than eight feet thick and



Project No. 6107-008	Richards Gebaur Air Force Base Belton, Missouri	Site Location Map	Figure No.: 2-6
	CDM FEDERAL PROGRAMS CORPORATION <small>A subsidiary of Camp Dresser &amp; McKee Inc.</small>		8/95

August 1995

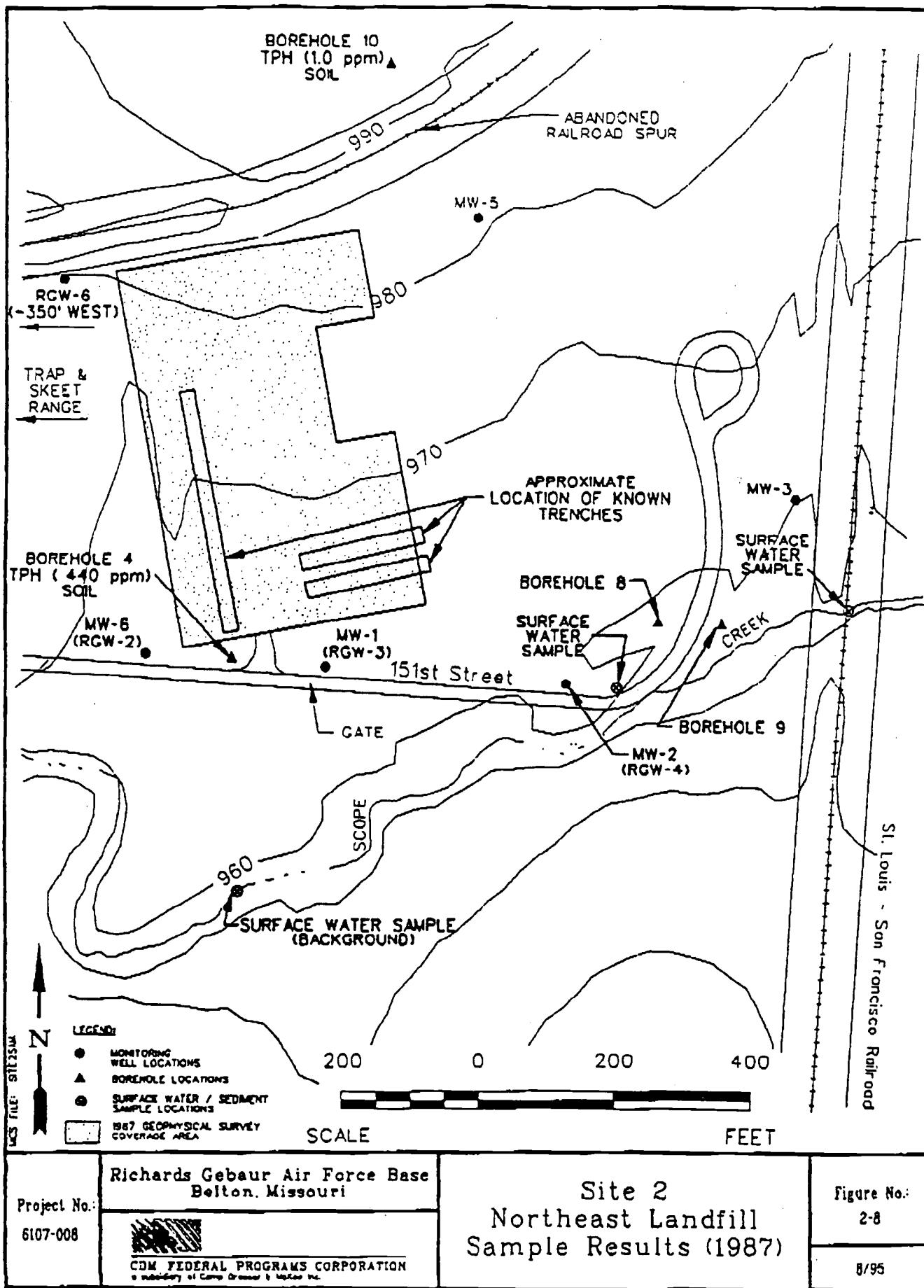
Any contaminants that may be present at the South Landfill could move vertically downward to the perched groundwater, then east-northeast toward Scope Creek on the east side of the Landfill. A formation of Lane Shale (Figure 2-2) underlays the area and may effectively restrict vertical groundwater movement. Contaminants from the Landfill could flow from groundwater seeps along Scope Creek downgradient of the area.

During a field investigation conducted by E&E, Inc. in October 1986, surface water samples were collected from Scope Creek and from ponded areas in drainage ditches in the Landfill. One soil boring was completed at the site. Sample parameters for surface water at the site included total petroleum hydrocarbons, total dissolved solids, halogenated and aromatic volatile organics, priority pollutant metals, extractable priority pollutants (GC/MS), common anions, and phenols. Soil samples were analyzed for volatile organics and total petroleum hydrocarbons. Four surface water samples and seven soil samples were collected. Of the eleven samples, one subsurface soil sample showed total petroleum hydrocarbons at 1.2 mg/kg (E&E 1988) upgradient of the Landfill to the south near the access road. Two surface soil samples, collected near seeps from the Landfill along the west bank of Scope Creek contained petroleum hydrocarbon at 1.9 mg/kg (Seep 1) and 16 mg/kg (Seep 2) (E&E 1988). These were the only contaminated samples reported at the South Landfill by E&E, Inc.

## 2.8 NORTHEAST LANDFILL

The Northeast Landfill is located in the Northeastern Quadrant of the Airport facility between Andrews Road and 155th Street (Figure 2-8). The area is bounded on the north by an abandoned spur of the St. Louis - San Francisco Railroad, on the east by the St. Louis - San Francisco Rail Line, on the south by Scope Creek, and on the west by a drainage swale just east of the Trap and Skeet Range. This site was used as a demolition and industrial waste landfill between 1961 and 1972.

The eastern half of the Northeast Landfill was used for waste storage. Empty drums, fuel tanks, mower and maintenance parts, and some demolition debris were observed during a site visit conducted in October 1994. The west half of the Northeast Landfill was a trench and fill



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operation. One trench, estimated to be 300 feet x 10 feet x 10 feet, ran north and south along the west boundary of the landfill area. Two additional trenches, 200 feet x 10 feet x 10 feet each, were constructed east and west just east of the north/south trench and just north of the west access road to the landfill area. A 1976 aerial photo in the Airport Manager's office also showed vegetation disturbance north of the trench location indicating a potential for an additional burial area. Waste paints, thinners, strippers, oils, and fuels were reportedly poured into the trenches along with shop waste and demolition debris from base operations and burned for disposal.

A magnetometer and electromagnetic (EM) geophysical survey was performed by E&E, Inc. (E&E 1988). Findings indicated three linear anomalies in the area of the trenches. It is believed that these anomalies correspond to locations of several trenches.

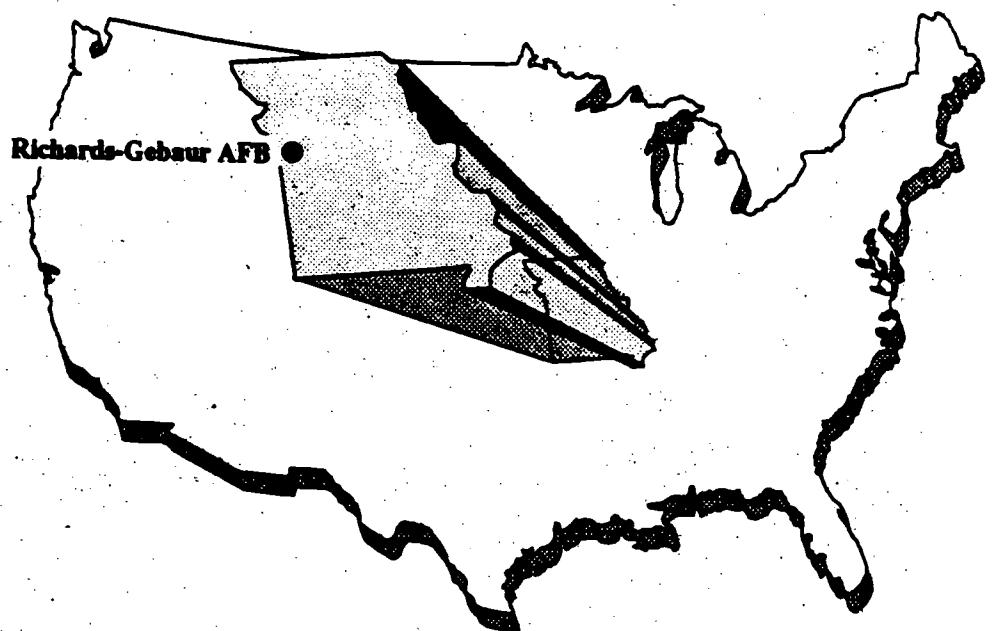
The Northeast Landfill is located on a thin cover of unconsolidated silts and clays overlying a gray to green shale averaging 22 feet in thickness. The unconsolidated deposit above the shale ranges from less than 8 feet thick to over 20 feet thick, and pinches out at or near the banks of Scope Creek on the south edge of the Northeast Landfill. A chert layer was found just above bedrock and just below the green shale layer at the site.

The Northeast Landfill is bounded on the south by Scope Creek in an area where the creek flows for the majority of the year. Five monitoring wells installed by E&E, Inc. during a 1986 investigation had sufficient recharge to allow collection of groundwater samples from the site. Three wells were located along the south and east boundaries of the suspected fill area (MW-1, MW-2, and MW-6). One well was located east of the suspected fill area (MW-3). One well was located northeast of the suspected fill area (MW-5).

E&E, Inc. collected eight water samples (3 surface and 5 groundwater) which were analyzed for petroleum hydrocarbons, total dissolved solids (TDS), halogenated and aromatic volatile organics, priority pollutant metals, extractable priority pollutants (GC/MS), common anions, and phenols. Sediment and soil samples were analyzed for volatile organics and petroleum hydrocarbons. Five anions, fluoride, chloride, nitrate, bromide, and sulfate, were reported above detectable limits. Sulfate was reported at 280 mg/L which exceeds the EPA secondary drinking water standard of



**BASEWIDE  
ENVIRONMENTAL BASELINE SURVEY  
RICHARDS-GEBAUR AIR FORCE BASE,  
MISSOURI  
December 1993**



## SUMMARY

This Environmental Baseline Survey (EBS) has been prepared to document the physical condition of real property at Richards-Gebaur Air Force Base (AFB), Missouri resulting from the storage, use, and disposal of hazardous substances and petroleum products and their derivatives over the installation's history, and to establish a baseline for use by the Air Force in making decisions concerning real property transactions. The preparation of an EBS is required by Department of Defense (DOD) policy before any property can be sold, leased, transferred, or acquired. Although primarily a management tool, this EBS will also be used by the Air Force in meeting its obligations under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code Section 9620(h), as amended by the Community Environmental Response Facilitation Act (CERFA), Public Law 102-426.

This EBS is based on information obtained through a records search, interviews, and visual inspections. The records search included a review of all available Air Force and other agency records, including environmental restoration and compliance reports, audits, surveys, facility drawings, and inspection reports; an analysis of aerial photographs; and a review of recorded chain of title documents for the property. Interviews with employees and visual inspections of the base property and facilities were also conducted. The EBS also includes an assessment of the environmental condition of off-base properties contiguous to or relatively near the base that could pose environmental concern and/or affect the subject property. Physical inspections were conducted on off-base properties where access was obtained from the owner or operator.

Based on an analysis of the available data, property on Richards-Gebaur AFB was classified into one of seven categories:

- Category 1 - Areas where no storage, release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas)
- Category 2 - Areas where only storage of hazardous substances or petroleum products has occurred (but no release, disposal, or migration from adjacent areas has occurred)
- Category 3 - Areas where storage, release, disposal, and/or migration of hazardous substances or petroleum products has occurred, but at concentrations that do not require a removal or remedial action

- Category 4 - Areas where storage, release, disposal, and/or migration of hazardous substances or petroleum products has occurred, and all remedial actions necessary to protect human health and the environment have been taken
- Category 5 - Areas where storage, release, disposal, and/or migration of hazardous substances or petroleum products has occurred, removal and/or remedial actions are under way, but all required remedial actions have not yet been taken
- Category 6 - Areas where storage, release, disposal, and/or migration of hazardous substances or petroleum products has occurred, but required response actions have not yet been implemented
- Category 7 - Areas that are unevaluated or require additional evaluation.

Property in the first four categories would be eligible for deed transfer. Property in the last three categories would not be considered for transfer until all necessary actions have been taken and the property has been reclassified into one of the first four categories. Leases would be considered on a case-by-case basis for properties within the last three categories.

## ON-BASE PROPERTY FINDINGS

### Property Categorization Resources

The following resources were used in property categorization. Each resource was categorized individually; findings for each resource were then reviewed to obtain the overall property category.

Category 2 through 7 properties were identified based upon the methodology presented in Chapter 2. All remaining areas were determined to be Category 1.

Areas that stored hazardous materials and/or generated hazardous waste were considered Category 2 unless a suspected or confirmed release was identified. These include dormitories and offices where it is likely that household or office products containing hazardous substances were stored.

Category 3 designations for the apron were based upon existing documentation (e.g., personnel interviews, visual site inspections, written information). Spills are known to have occurred on the apron area, but the spill reports indicate that releases were minor and all appropriate cleanup actions were taken. Contaminant levels, if present, are considered to be well below action levels.

Areas where known or suspected contamination has occurred were classified as Category 4 through 7 properties based upon the current program status. In addition, new areas of potential contamination identified as a result of this EBS were classified as Category 7.

**Hazardous Materials/Petroleum Products Management.** Hazardous materials were stored and used at Richards-Gebaur AFB in connection with flightline, mission support, base support, and various industrial operations. The most commonly used hazardous materials included jet and motor fuels, other types of petroleum products, paints, thinners, adhesives, cleaners, lead-acid batteries, pesticides, hydraulic fluids, and halogenated and nonhalogenated solvents. Hazardous materials were stored or used at 13 locations throughout the base, of which 9 stored hazardous substances in quantities greater than 1,000 kilograms. Hazardous materials were also stored at 22 other facilities, but no data on types and quantities of materials stored was available.

**Hazardous Waste/Petroleum Waste Management.** Hazardous waste and waste petroleum products were stored at 25 locations throughout the base, including initial accumulation points and a central storage facility.

**IRP Sites Identified to Date.** Eight Installation Restoration Program (IRP) sites have been identified at Richards-Gebaur AFB and have been placed into one Operable Unit. Seven of the sites are in the Cantonment Area; the eighth site is at the Fire Training Area. Three IRP sites currently have No Further Action Planned status, and Decision Documents are under review by the U.S. Environmental Protection Agency and the Missouri Department of Natural Resources (MDNR). Three IRP sites have Preliminary Assessment/Site Inspection status. One site has Remedial Investigation/Feasibility Study status and another is in the Remedial Design/Remedial Action phase.

**Storage Tanks.** Past and present locations of underground and aboveground storage tanks were identified. Storage tanks at Richards-Gebaur AFB have been used to store various petroleum products or wastes, and other miscellaneous products. There have been 36 aboveground storage tanks and 33 underground storage tanks utilized at Richards-Gebaur AFB. In addition, Richards-Gebaur AFB operated two hydrant fueling systems and one bulk fuel storage area.

**Oil/Water Separators (OWSs).** Past and present locations of OWSs were identified. There have been 33 OWSs utilized at Richards-Gebaur AFB.

**Pesticides.** Pesticides considered in this EBS include herbicides, fungicides, insecticides, and rodenticides. Pesticide control at Richards-Gebaur AFB is accomplished by a commercial pest control company. No bulk pesticides are stored or mixed, and no equipment is cleaned, on Richards-Gebaur AFB.

**Medical/Biohazardous Waste.** Medical/biohazardous wastes at Richards-Gebaur AFB have been generated at two facilities. The waste is disposed of off base by a licensed contractor.

**Ordnance.** The Small Arms Range will be cleared of any unexploded ordnance prior to base closure. Lead levels in the soil at the Small Arms Range were sampled in 1993, and found to be below regulatory action levels. Historic maps and findings from recent visual inspections indicate that ordnance disposal may have taken place at the Belton Training Complex.

**Wastewater Discharges.** Sanitary sewage effluent from Richards-Gebaur AFB discharges into the Little Blue Valley Sewer District. There are also three active septic tank systems with leach fields located on Richards-Gebaur AFB property.

To minimize contaminants entering the storm drainage or sanitary sewer systems, the base has a separate industrial waste sewer that serves some maintenance facilities and the flightline area. The effluent is stored in a detention reservoir and then passed through an OWS prior to being discharged into the Little Blue Valley Sewer District System.

Richards-Gebaur AFB has filed for a Discharge Permit (Forms E and F) with MDNR. In a recent study, sediment and surface water in major drainage swales and tributaries on the base were investigated for hazardous characteristics. No indications of significant contamination were found, and no remediation of sediment or surface water is required.

**Radioactive and Mixed Wastes.** There are no radioactive or mixed waste sites or issues at Richards-Gebaur AFB.

**Solid Waste.** There are no active landfills at Richards-Gebaur AFB, and no known historical landfills.

#### **Disclosure Resources**

Disclosure resources (asbestos, polychlorinated biphenyls [PCBs], radon, and lead-based paint) were not used in property categorization.

**Asbestos.** A comprehensive basewide asbestos assessment study was completed in September 1987. The study included the 71 buildings on base at that time. Of the buildings surveyed, 39 were identified as having asbestos-containing material (ACM), and 32 buildings either had no suspected material found or all samples taken were negative for ACM. Facility 942 has been closed due to the condition of ACM.

**Polychlorinated Biphenyls.** All Air Force-owned transformers with 50 parts per million (ppm) or more PCBs have either been replaced with PCB-free equipment or retrofitted to bring the PCB concentration to below 50 ppm.

**Radon.** Based on radon samples taken by Cass and Jackson counties, the potential for radon greater than 4.0 picocuries per liter exists at Richards-Gebaur AFB. No radon surveys have been completed at Richards-Gebaur AFB because there is no family housing on base.

**Lead-Based Paint.** There are no residential or other high-priority facilities on base that present the risk of exposing children to lead-based paint. Facilities that were constructed prior to the implementation of the DOD ban on the use of lead-based paint in 1978 are likely to contain such paint.

#### OFF-BASE PROPERTY FINDINGS

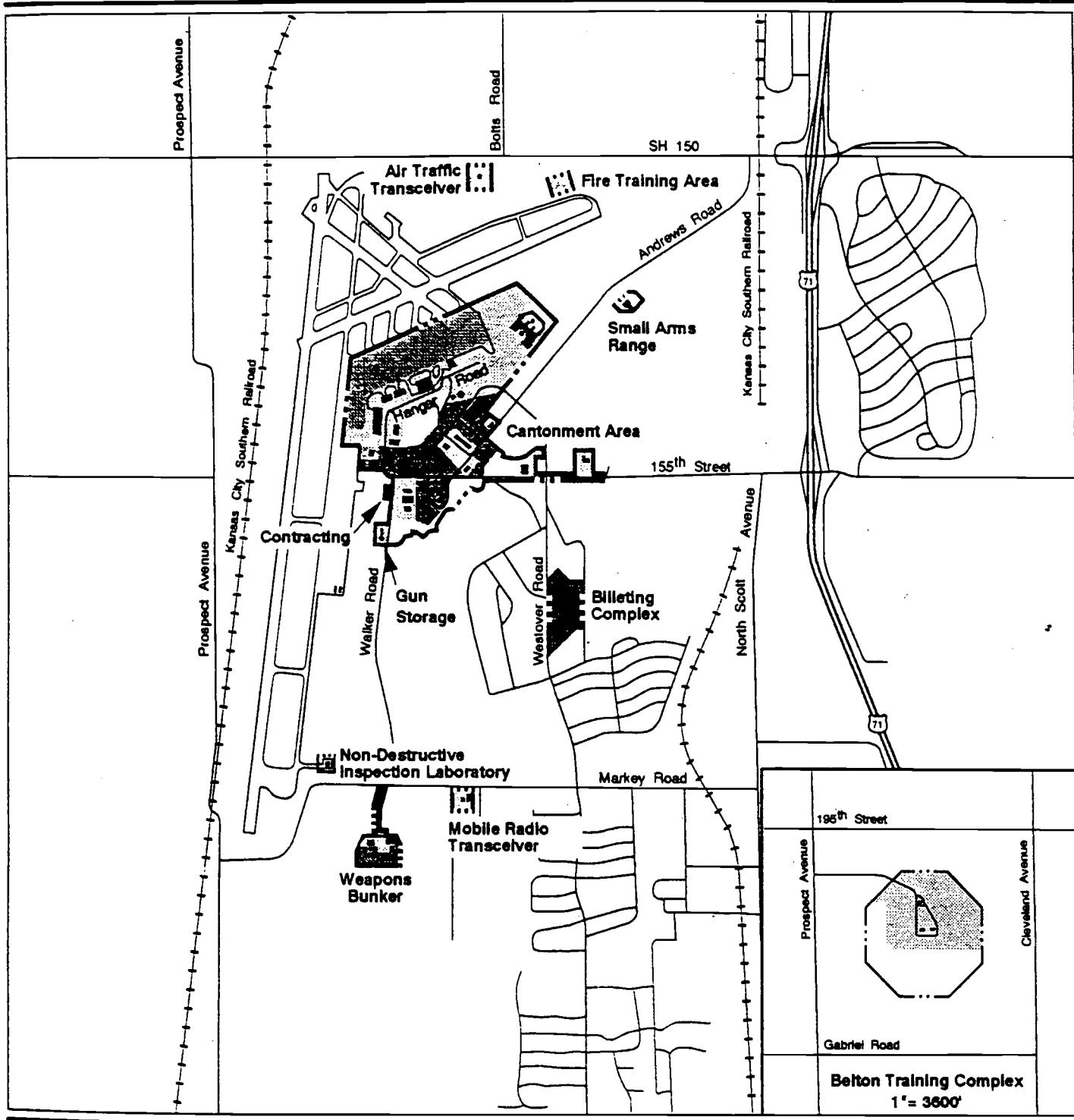
Of the 16 contiguous properties surveyed, 10 were physically inspected. Based on the records search and site inspections of the properties conducted for this EBS, there are no areas on Richards-Gebaur AFB where it is known that contamination has resulted from activities on any of the off-base properties; however, areas of possible concern were noted on contiguous properties during the survey. Other than Formerly Used Defense Sites, no off-base parcels are known to have been contaminated from activities on Richards-Gebaur AFB.

#### PROPERTY CATEGORIZATION

As described previously, property on Richards-Gebaur AFB was classified into one of the seven categories based on the findings of the EBS (Figure S-1). Category 1 properties were identified in three vacant and undeveloped areas in the central, eastern, and southern portions of the Cantonment Area, as well as in the southern portion of the Belton Training Complex. Category 2 properties are present in the Cantonment Area in two small areas along the flightline, as well as in most of the central portion of the Cantonment Area. The northeastern and southern portions of the Weapons Bunker, and the access road, are also classified as Category 2 properties. Additional Category 2 properties have been identified as constituting all of the Billeting Complex and Contracting parcels. Category 3 properties consist of the apron area and one small area at the southern end of the flightline. No Category 4 properties were identified at Richards-Gebaur AFB. One Category 5 property was identified at an IRP site at the southern end of the Air Force parking apron. One Category 6 property was identified at an IRP site in the northeastern portion of the Cantonment Area.

Category 7 properties are present on much of the Cantonment Area: a large area in the northeast, along the northern portion of the flightline, in the east along 155th Street, and in three smaller areas in the central and southern

portions. Category 7 properties have also been identified as constituting all of the Air Traffic Transceiver, Fire Training Area, Small Arms Range, Non-Destructive Inspection Laboratory, Gun Storage, and Mobile Radio Transceiver parcels. In addition, Category 7 properties have been identified in the northwest and central areas of the Weapons Bunker and the northern portion of the Belton Training Complex.



#### EXPLANATION

- Uncontaminated Property (Category 1)
- Hazardous substance stored - no release (Category 2)
- Hazardous substance release, below action levels (Category 3)
- Hazardous substance release, all actions have been taken (Category 4)

0 650 1250 2500 Feet



- Hazardous substance release, not all actions have been taken (Category 5)
- Hazardous substance release, no actions taken (Category 6)
- Areas requiring additional evaluation (Category 7)

— — — Base Boundary

#### Property Categorization

Figure S-1

Property in the first four categories would be eligible for deed transfer. Property in the last three categories would not be considered for transfer until the necessary actions have been taken and the property has been reclassified into one of the first four categories. Leases would be considered on a case-by-case basis for property within the last three categories.

**Updates and Data Gaps.** The EBS combines available information on the property's environmental condition into a single document. The EBS identifies data gaps in the available information, and sampling and analysis field efforts may be necessary to fill them. If possible, the Air Force will take action to fill the data gaps immediately at the time they are identified so that the EBS will be as complete and accurate as possible. Where it is not possible, the Air Force already has several programs under way to identify and characterize environmental contamination and the presence of hazardous substances that may provide the best vehicle for filling data gaps. In all cases, actions to fill data gaps will be accelerated wherever possible to support the disposal schedule. As efforts to characterize or remediate property at closing Air Force installations are completed, the EBS will be updated periodically to reflect the latest information.

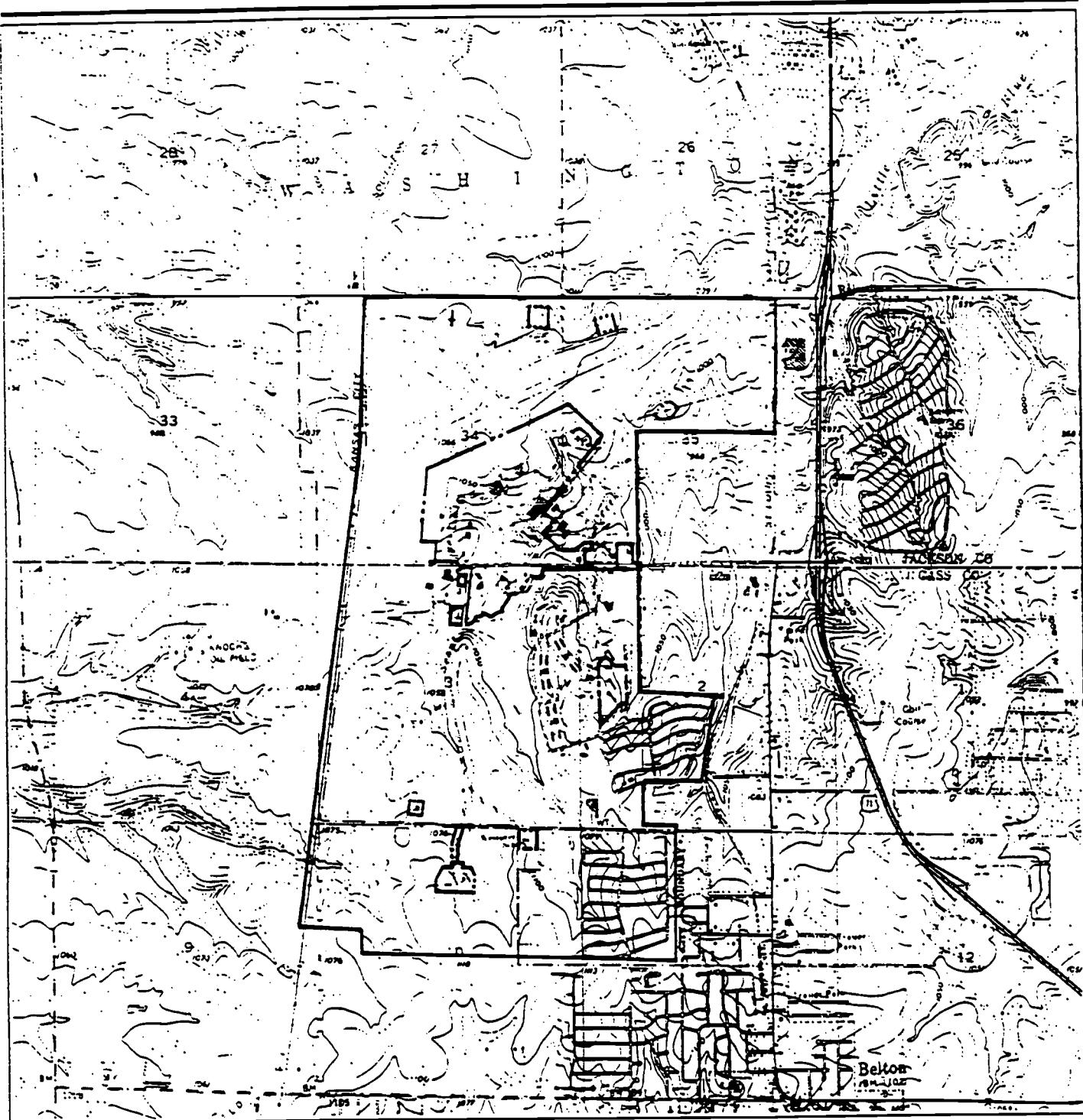
**Relationship to Other Documents:** The comprehensive plan for the environmental restoration and closure of closing Air Force installations has been laid out by each installation in a Base Realignment and Closure (BRAC) Cleanup Plan (BCP). The plan for filling data gaps identified in the EBS will be incorporated into the BCP and updated periodically as actions are completed.

The Air Force is also preparing an Environmental Impact Statement (EIS) on the conversion and reuse process for Richards-Gebaur AFB. Although this document may contain some of the same information, it serves a different purpose. The Conversion and Reuse EIS for Richards-Gebaur AFB analyzes the impacts of disposal and reuse on the environment while the EBS documents the environmental condition of the property.

## 1.2 BOUNDARIES OF THE PROPERTY AND SCOPE OF SURVEY AREA

The EBS at Richards-Gebaur AFB was based on a review of information available for the visual and/or physical inspection of (1) property on Richards-Gebaur AFB, (2) property immediately off base (i.e., having a contiguous border with the base boundary), and (3) property within approximately 0.25 mile to 2.5 miles of the base boundary with potential environmental concerns. The results of the survey for on-base and off-base properties are discussed in Chapters 3 and 4, respectively.

Richards-Gebaur AFB, scheduled to close on September 30, 1994, is located 18 miles south of Kansas City, Missouri and 2 miles northwest of Belton, Missouri, and has property in both Cass and Jackson counties. Richards-Gebaur AFB is composed primarily of the Cantonment Area, the Belton



#### EXPLANATION

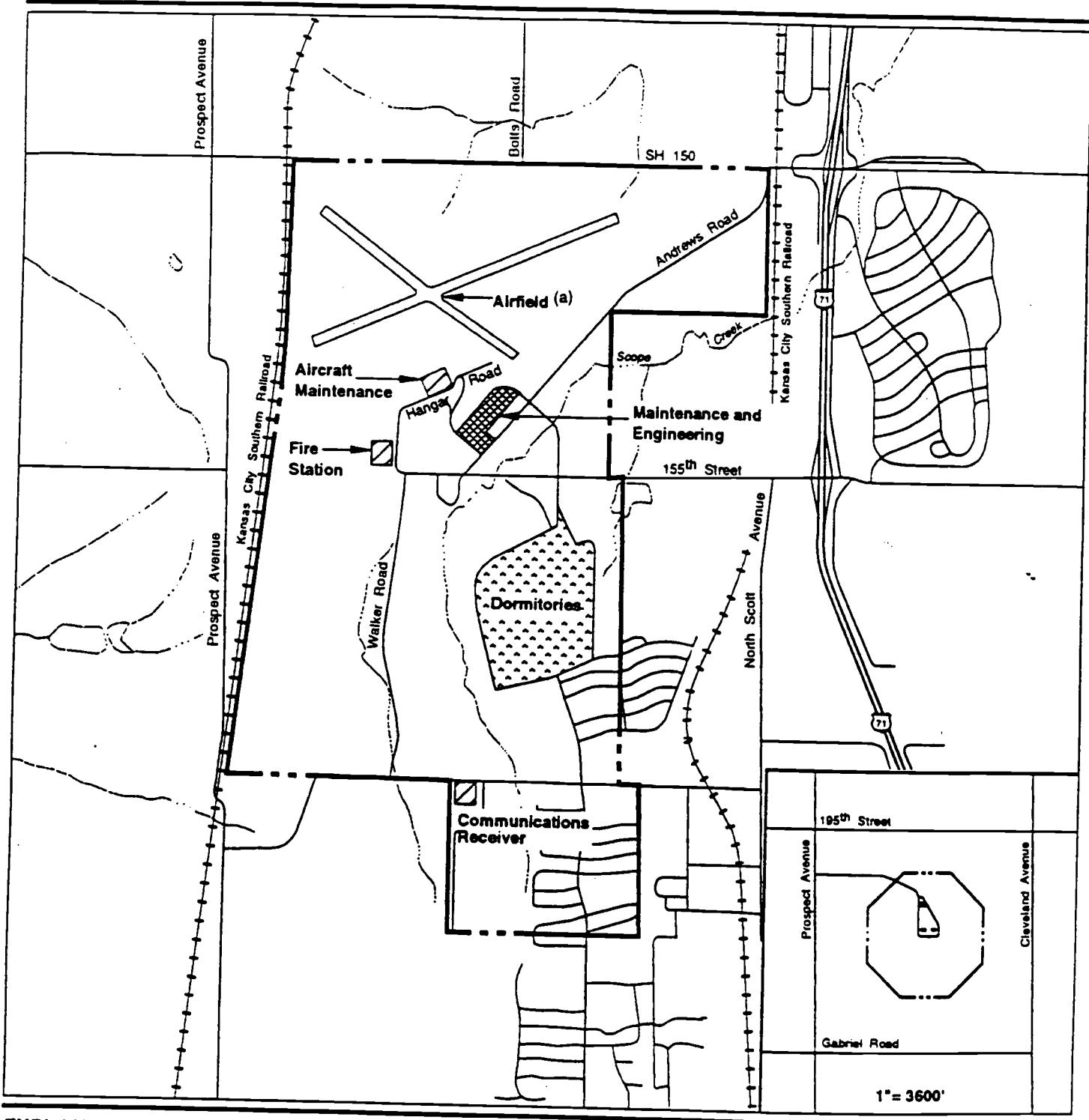
— Contiguous Parcel Boundary

- - - Base Boundary

#### Survey Areas



Figure 1-1a

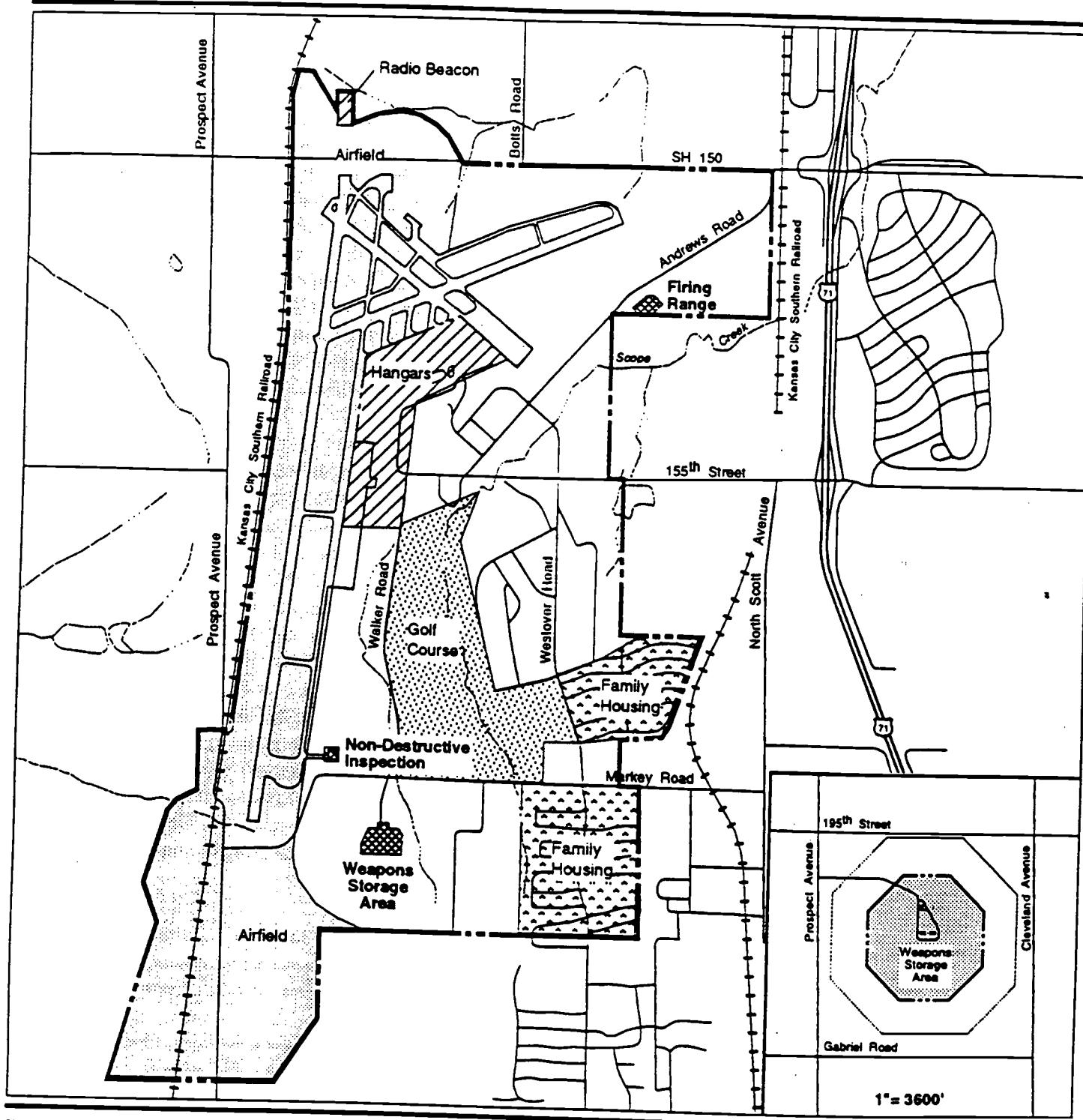


#### EXPLANATION

Airfield	Institutional (Education) (b)	Agriculture (b)
Aviation Support	Commercial (b)	Vacant Land
Industrial	Residential	----- Base Boundary
Institutional (Medical) (b)	Public/Recreation (b)	
0 625 1250 2500 Feet	(a) Assumed position and layout.	
	(b) Standard land use designation not applicable to this figure.	

#### Major Land Use (1955)

Figure 3-1



#### EXPLANATION

	Airfield
	Aviation Support
	Institutional (Education) (a)
	Commercial (a)
	Industrial
	Institutional (Medical) (a)
	Residential
	Public/Recreation

0 625 1250 2500 Feet



(a) Standard land use designation not applicable to this figure.

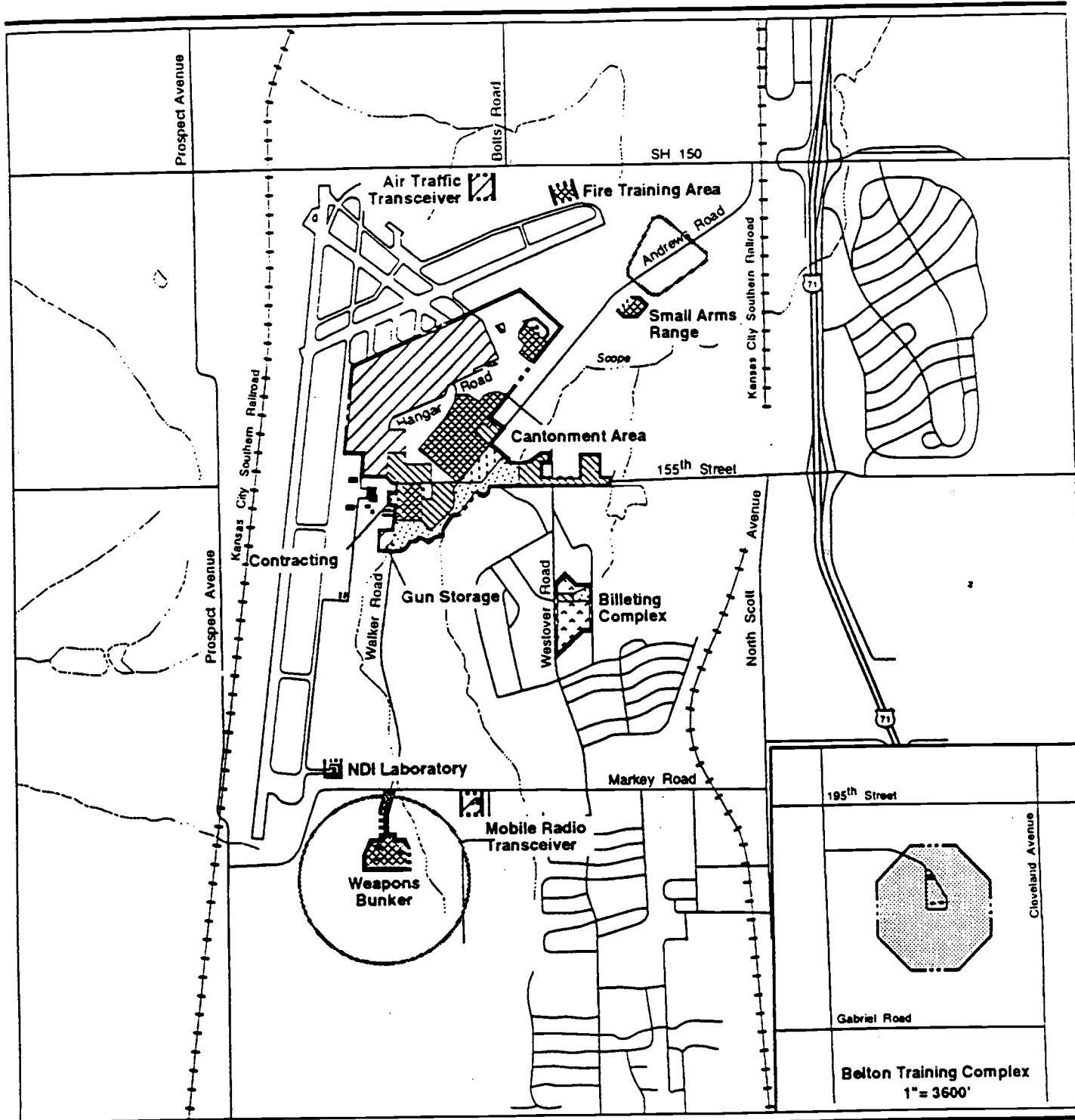
----- Base Boundary

— Easement

#### Major Land Use Changes (1966)

Richards-Gebaur AFB EBS

December 8, 1993



#### EXPLANATION

Airfield (a)	Institutional (Education) (a)	Agriculture
Aviation Support	Commercial	Vacant Land
Industrial	Residential	— - - Base Boundary
Institutional (Medical)	Public/Recreation	— - Easement
0 625 1250 2500 Feet	(a) Standard land use designation not applicable to this figure.	

1993 Land Use

Figure 3-3

airfield. These mains are a 12-inch and an 8-inch pipeline that both feed into a city meter pit on the south side of M-150. A 12-inch outlet from the meter pit feeds a 1,060,000-gallon and a 50,000-gallon in-ground tank. These tanks and the 12-inch main feed the water department's pump station, Facility 938.

The system distributes water through 12-inch output mains to provide the base domestic water and fire protection needs. This system supplies two additional storage tanks: a 320,000-gallon in-ground tank located near the flightline for fire protection (owned and operated by Kansas City), and an elevated 400,000-gallon steel tank at the south end of the system to provide pressure.

**Wastewater.** Wastewater generated on base is collected and discharged to the Little Blue Valley Sewer District Interceptor B. Interceptor B is a 12-inch pipeline that runs parallel to and west of U.S. 71 before heading west along M-150 and then turning southwest and onto the base. Sanitary sewers on base consist of 6-inch to 18-inch reinforced concrete pipes. Three active septic systems serve remote ancillary buildings.

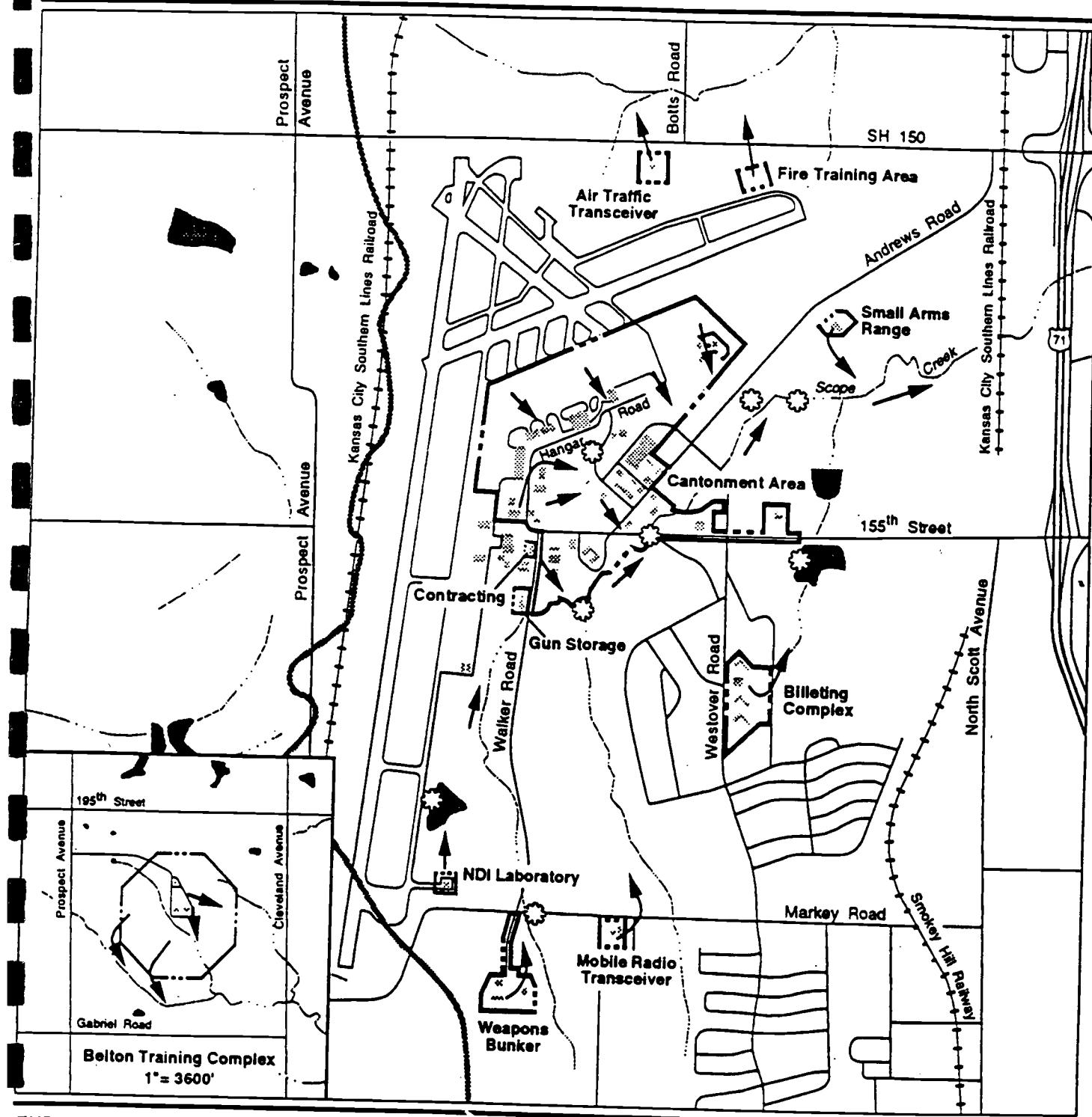
To minimize contaminants entering the storm drainage or sanitary sewer systems, the base has a separate industrial waste sewer that serves some maintenance facilities and the flightline area. The effluent is held in a detention reservoir (Facility 943) and passed through an OWS prior to being discharged into the Little Blue Valley Sewer District system.

**Drainage Patterns.** The airfield and on-base storm drainage facilities consist of a combination of open channels and closed drainage systems. The closed drainage systems include pipes ranging in diameter from 18 inches to 66 inches. All base stormwater drains into Scope Creek, which flows into the Little Blue River, which flows from southwest to northeast (Figure 3-4).

**Solid Waste.** Solid waste generated on Richards-Gebaur AFB is hauled off base by a commercial hauler and deposited in the Johnson County landfill in Shawnee, Kansas. Medical wastes are collected and disposed of off base by a private contractor.

**Electricity.** Missouri Public Service provides electricity to Richards-Gebaur AFB through two substations: the north substation, which has a 3,750-kilovolt-ampere (kVA) capacity and provides primary service to the Cantonment Area, and the 7,500-kVA south substation. Electrical power is delivered to the north substation at 34.5 kilovolts (kV), and to the south substation at 69 kV. A combination of overhead and underground lines distribute electricity to the base buildings.

**Natural Gas.** Gas Service, a division of Western Resources, Inc., provides natural gas to the base via two high-pressure pipelines. A 4-inch pipeline



#### EXPLANATION

- Watershed Divide between Blue River and Little Blue River
  - Intermittent Stream
  - Surface Impoundment
  - Base Boundary
  - Water Quality Sampling Location
  - Surface Flow Direction (Approximate)
- 500 1000 2000 Feet

#### Surface Hydrology

Figure 3-4

# **EDR-Site Report™**

for

**RICHARDS-GEBAUR AIRPORT**

15600 SPRUCE AVE BLDG 514  
KANSAS CITY, MO 64147

Inquiry Number:

August 29, 1995



**Environmental  
Data  
Resources, Inc.**

Creators of Toxiccheck®

***The Source  
For Environmental  
Risk Management  
Data***

3530 Post Road  
Southport, Connecticut 06490

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802

# TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary .....** ..... **Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports .....** ..... **Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information.....** ..... **Page 5**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

**Disclaimer**

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# SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 RICHARDS-GEBEUR AIRPORT 15600 SPRUCE AVE BLDG 514 KANSAS CITY, MO 64147 EDR ID #U001159833
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	YES - p4
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility is not a Superfund Site but has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LS)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has enforcement actions under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

runs east-west along 155th Street and an 8-inch pipeline runs east-west along Markey Road. The 8-inch pipeline is a supplemental service used under low pressure conditions.

A natural gas-fired central heating plant with four boilers is operated by Kansas City and provides steam to some buildings on Richards-Gebaur AFB. Typically one boiler is operated during the winter months; a second boiler is brought on-line during unusually cold weather.

### 3.3 PROPERTY CATEGORIZATION RESOURCES

The following section describes resources used in property categorization. Items within each resource have been given a specific resource category. Findings for each resource were then reviewed to obtain the overall property category (see Table 5-1).

Category 2 through 7 properties were identified based upon the methodology presented in Chapter 2. All remaining areas were determined to be Category 1.

Areas where hazardous materials were stored and/or hazardous wastes were generated were considered Category 2 unless a suspected or confirmed release was identified. These areas include dormitories and offices where it is likely that household or office products containing hazardous substances were stored.

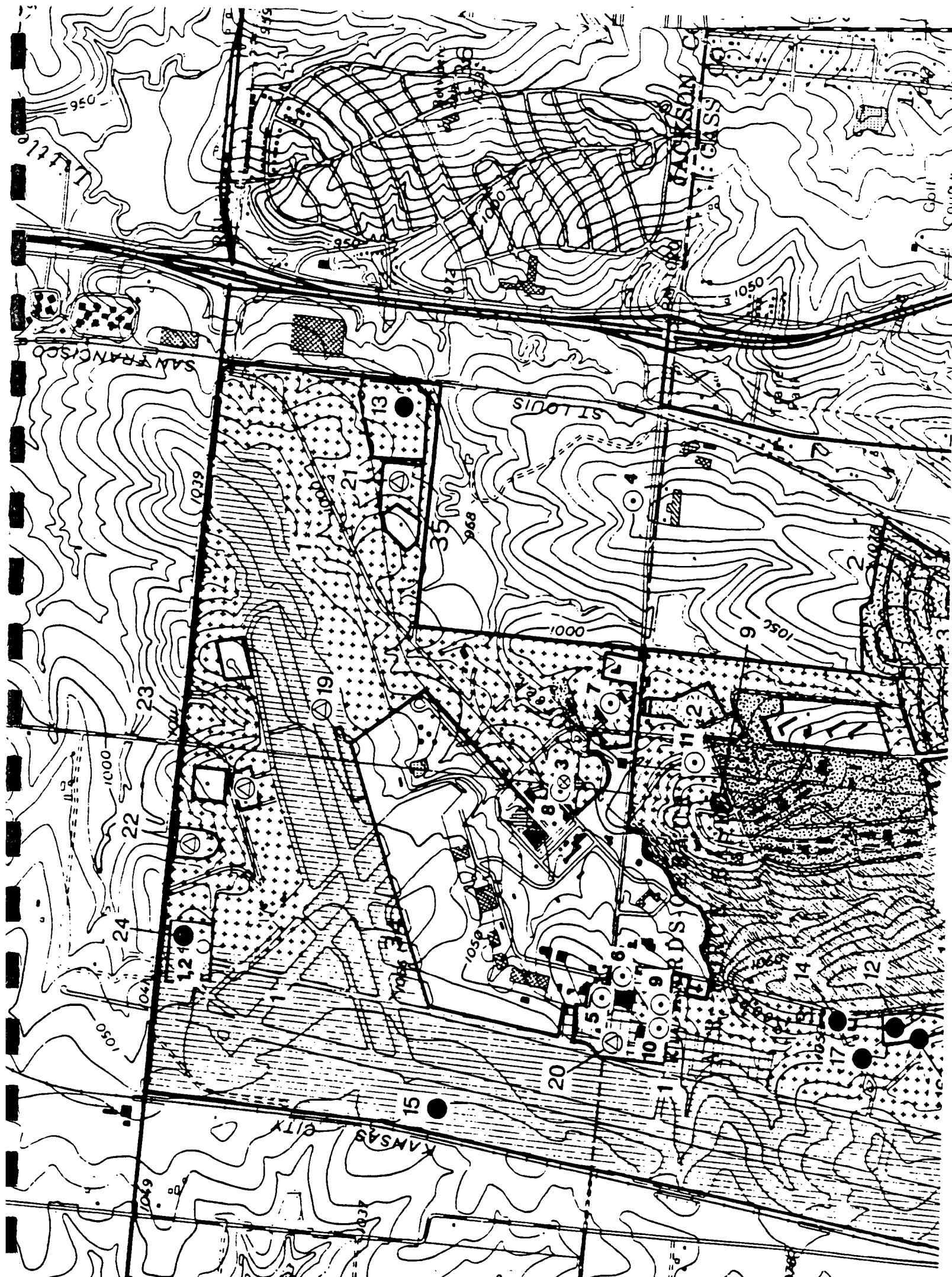
Category 3 designations for the apron were based upon existing documentation (e.g., personnel interviews, VSIs, written information). Spills are known to have occurred on the apron area, but the spill reports indicate that releases were minor and all appropriate cleanup actions were taken. Contaminant levels, if present, are considered to be well below action levels.

Areas where known or suspected contamination has occurred were classified as Category 4 through 7 properties based upon the current program status. In addition, new areas of potential contamination identified as a result of this EBS were classified as Category 7.

#### 3.3.1 Hazardous Substances

##### 3.3.1.1 Hazardous Materials/Petroleum Products Management

Hazardous materials commonly used at Richards-Gebaur AFB include aviation and motor fuels, various grades of petroleum, oils, and lubricants (POL), hydraulic fluids, cleaning solvents and corrosives, paints, thinners, pesticides, and batteries. Base records were reviewed to identify quantities and types of hazardous materials stored in base facilities. Appendix C provides historical data on hazardous materials (including types and



## SECTION 2: FACILITY DETAIL REPORTS

### WASTE MANAGEMENT

Facility manages registered underground storage tanks

**DATABASE: Petroleum Storage Tank Database (UST)**

RICHARDS-GEBAUR AIRPORT  
15415 DENVER AVE, BLDG 1301  
KANSAS CITY, MO 64147

UST:

Facility ID: UT0012635  
Total Tanks: 1  
Tank ID: 1  
Tank Status: Permanently closed in place  
Capacity: 4000  
Substance: PETROLEUM

Facility Contact: Not reported  
Facility Telephone: Not reported  
Owner Name: AVIATION DEPARTMENT/RICHARDS-GEBAUR  
Owner Address: 15405 MAXWELL AVENUE  
City, State, Zip: KANSAS CITY, MO 64147  
Owner Telephone: 816/322/0001

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement for databases included in ASTM E1527-94.

### WASTE MANAGEMENT

#### RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 202-260-3393

RCRIS: Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/31/1995  
Date Made Active at EDR: 08/22/1995

Date of Data Arrival at EDR: 06/28/1995  
Elapsed ASTM Days: 55

#### RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RAATS: 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.

Date of Government Version: 04/17/1995

Date of Next Scheduled Update: 10/02/95

#### CORRACTS: Corrective Action Report

Source: EPA

Telephone: 202-260-3393

CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/1995

Date of Next Scheduled Update: 09/18/95

#### PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3992

PADS: 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: 10/14/1994

Date of Next Scheduled Update: 09/18/95

#### MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

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: 01/01/1995

Date of Next Scheduled Update: 10/16/95

#### MO AST: Service Station Master Listing

Source: Department of Agriculture

Telephone: 314-751-4278

Date of Government Version: 05/01/1995

Date of Next Scheduled Update: 11/13/95

#### MO UST: Underground Storage Tank Information

Source: Department of Natural Resources

Telephone: 314-751-7326

UST: 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: 03/31/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/30/1995  
Elapsed ASTM Days: 27

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO LUST: Leaking Underground Storage Tanks

Source: Department of Natural Resources  
Telephone: 314-526-3349

LUST: 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: 05/31/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/16/1995  
Elapsed ASTM Days: 40

### ERNS: Emergency Response Notification System

Source: EPA  
Telephone: 202-260-2342

ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/1994  
Date Made Active at EDR: 05/25/1995

Date of Data Arrival at EDR: 04/11/1995  
Elapsed ASTM Days: 44

### HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation  
Telephone: 202-366-4555

HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/1994

Date of Next Scheduled Update: 12/04/95

## WASTE DISPOSAL

### NPL: National Priority List

Source: EPA  
Telephone: 703-603-8852

NPL: 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, it is EDR's policy to plot NPL sites greater than approximately 500 acres in size as areas (polygons). Sites smaller in size are point-geocoded at the site's address.

Date of Government Version: 05/26/1995  
Date Made Active at EDR: 06/06/1995

Date of Data Arrival at EDR: 06/06/1995  
Elapsed ASTM Days: 0

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS  
Telephone: 703-416-0702

CERCLIS: Comprehensive Environmental Response, Compensation and Liability Information System. CERCLIS contains information on sites identified by the USEPA as known or suspect abandoned, inactive or uncontrolled hazardous waste sites which may require cleanup.

Date of Government Version: 03/15/1995  
Date Made Active at EDR: 06/08/1995

Date of Data Arrival at EDR: 04/25/1995  
Elapsed ASTM Days: 44

### NPL LIENS: Federal Superfund Liens

Source: EPA  
Telephone: 202-260-8969

NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991  
Date Made Active at EDR: 03/30/1994

Date of Data Arrival at EDR: 02/02/1994  
Elapsed ASTM Days: 56

### MO SHWS: Registry and Registry Log

Source: Department of Natural Resources  
Telephone: 314-751-1990

SHWS: 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: 06/30/1995  
Date Made Active at EDR: 08/21/1995

Date of Data Arrival at EDR: 07/21/1995  
Elapsed ASTM Days: 31

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### MO SWF/LS: Solid Waste Disposal Areas & Processing Facilities

Source: Department of Natural Resources

Telephone: 314-751-5401

SWF/LS: Solid Waste Facilities/Landfill Sites. SWF/LS 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 Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/1995  
Date Made Active at EDR: 07/26/1995

Date of Data Arrival at EDR: 06/19/1995  
Elapsed ASTM Days: 37

### MULTIMEDIA

#### TRIS: Toxic Chemical Release Inventory System

Source: EPA/NTIS

Telephone: 202-260-2320

TRIS: 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: 12/31/1992

Date of Next Scheduled Update: 10/09/95

#### TSCA: Toxic Substances Control Act

Source: EPA/NTIS

Telephone: 202-260-1444

TSCA: 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. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 05/15/1986

Date of Next Scheduled Update: 09/18/95

#### FTTS: Fifra / Tsc Tracking System

Source: EPA/Office of Prevention, Pesticides & Toxic Substances

Telephone: 202-260-7864

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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/15/1995

Date of Next Scheduled Update: 11/06/95

#### FINDS: Facility Index System

Source: EPA/NTIS

Telephone: 800-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIIS and TSCA.

Date of Government Version: 07/27/1994

Date of Next Scheduled Update: 10/16/95

### POTENTIAL SUPERFUND LIABILITY

#### SETS: Site Enforcement Tracking System

Source: EPA/NTIS

Telephone: 202-260-8718

SETS list the potentially responsible parties (PRPs) recorded by EPA (in SETS) at Superfund sites. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/15/1995  
Date Made Active at EDR: 06/26/1995

Date of Data Arrival at EDR: 05/15/1995  
Elapsed ASTM Days: 42

Table 4-1. CERCLIS Sites

Map ID	Facility	Address	Status
15	Richards-Gebaur AFB West Burn Pit	West of Richards-Gebaur Airport runway, near public road, on Jackson/ Cass county line, Belton, MO 64012	No Further Action, 12/18/89. Site used from 1954 to 1955 for fire training. Waste oils, solvents, and fuels were deposited in an open pit and burned.

Table 4-2. RCRA Generators

Map ID	Facility	Address	Quantity Generated	Waste Type
1	Big Iron Works, Inc.	Hangar 1010 Richards-Gebaur AFB Belton, MO 64012	More than 1,000 kilograms per month	Ignitable solid waste, corrosive solid waste, chromium
2	Prime, Inc.	Hangar 1010 Richards-Gebaur AFB Belton, MO 64012	More than 1,000 kilograms per month	Ignitable solid waste
3	BTM, Inc.	15403 Andrews Rd. Kansas City, MO 64147	Between 100 and 1,000 kilograms per month	Ignitable solid waste, cadmium, chromium, lead

Table 4-3. Emergency Response Notification System Report

Map ID	Facility	Date	Spill Location and Description
Unable to locate	Location is Richards-Gebaur AFB; responsible party is unknown	09-22-92	Main Base Road, just off flightline; fuel oil leaking from an aboveground storage tank

Table 4-4. State Registered USTs

Map ID	Facility	Address	Number of Tanks
Unable to locate	Richards-Gebaur Airport	No Street Address Kansas City, MO 64147	7
4	Richards-Gebaur Airport	15415 Denver Avenue, Bldg. 1301 Kansas City, MO 64147	1
5	Richards-Gebaur Airport	3500 E. 155th Street, Bldg. 820 Kansas City, MO 64147	1
6	Richards-Gebaur Airport	3514 E. 155th Street, Bldg. 803 Kansas City, MO 64147	1
7	Richards-Gebaur Airport	4500 E. 155th Street Kansas City, MO 64147	1
8	Richards-Gebaur Airport	15403 Andrews Road, Bldg. 611 Kansas City, MO 64147	5
9	Richards-Gebaur Airport	3411 E. 155th Terrace, Bldg. 829 Kansas City, MO 64147	3
10	Richards-Gebaur Airport	3401 E. 155th Terrace, Bldg. 82 Kansas City, MO 64147	2
11	Richards-Gebaur Airport	15600 Spruce Avenue, Bldg. 514 Kansas City, MO 64147	6

**Table 4-5. Formerly Used Defense Sites**  
**Page 1 of 2**

MAP ID	Site Number	Site Name	Location and Waste Description	Dates of Operation	Current Status
12	1	South Landfill	Near the Non-Destructive Inspection Laboratory and adjacent to Scope Creek. Site was used as a sanitary landfill until 1956. After that until 1961 some wastes, including building rubble, yard debris, and waste from some industrial shop areas, were deposited there.	1954-1961	Records Search and Site Inspection
13	2	Northeast Landfill	East of the Small Arms Range. Site was used for the disposal of miscellaneous wastes including building rubble, yard debris and wastes from some industrial shop areas. The wastes were typically burned and buried in trenches.	1961-1972	Records Search and Site Inspection
14	3	Contractor Rubble Burial Area	West of the golf course along Walker Road. Debris including wood, concrete, masonry and metal. Some use as a sanitary landfill has been reported here.	1954-1978	Records Search and Site Inspection
15	4	West Burn Pit	North of Jackson-Cass County line and west of the main runway. Site was used for fire training exercises for one year. Typically, waste fuels and waste oils were burned during fire training exercises.	1954-1955	Records Search and Site Inspection
16	5	South Burn Area	Southwest of South Landfill. Site used for fire training exercises for 10 years. Typically, waste fuels and waste oils were burned during fire training exercises.	1955-1965	Records Search and Site Inspection
17	7	Radioactive Disposal Well	North of the South Landfill and east of the flightline. Low-level radioactive materials were deposited into a cased well.	1955-1970	Records Search and Site Inspection

**Table 4-6. Contiguous Property Parcel Descriptions**

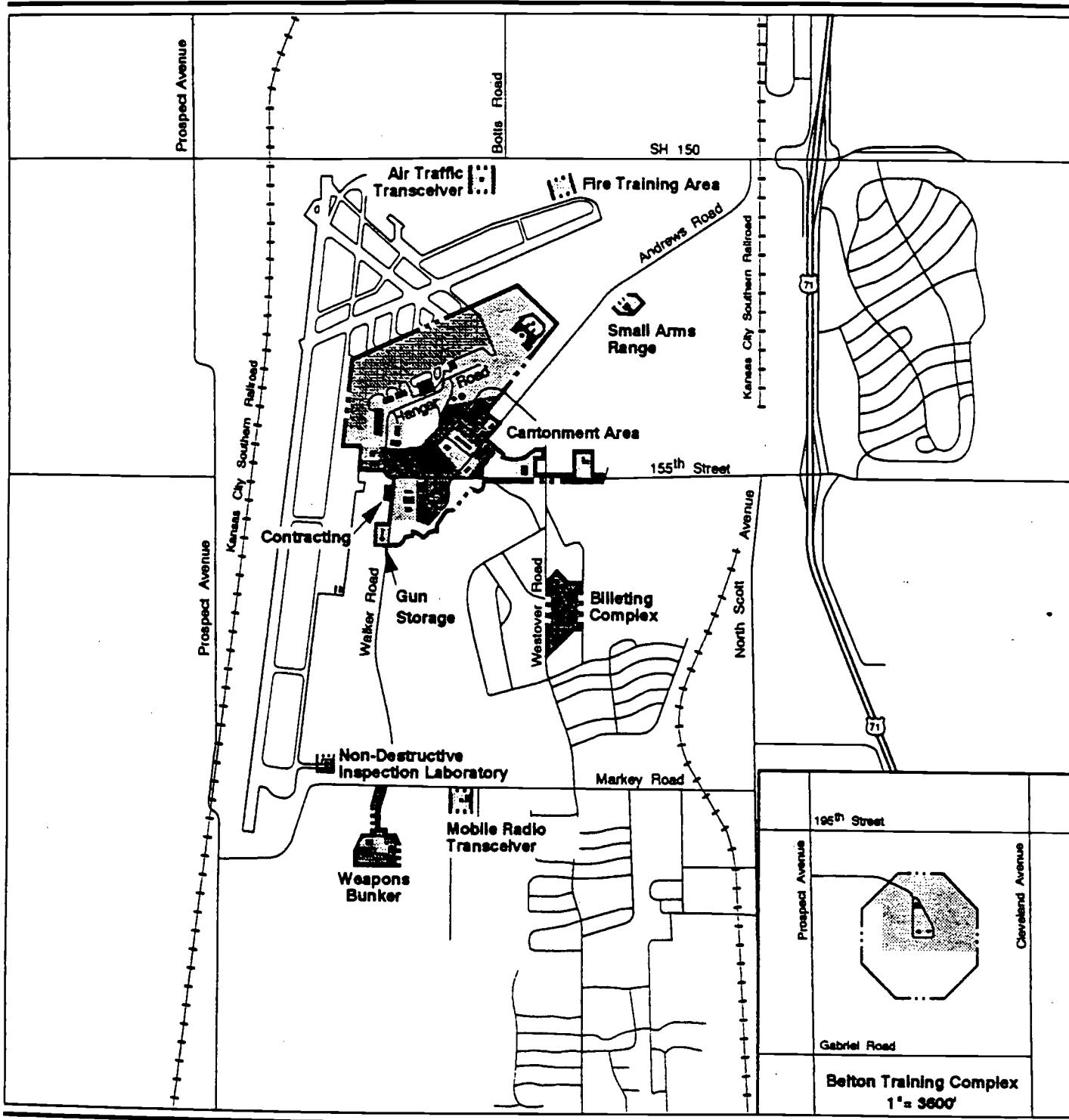
Parcel Number (see Figure 4-1)	Number of Acres within Parcel	Approximate Acreage Within Study Area	Survey Date <sup>(a)</sup>		Parcel Description
			Visual Inspection	Physical Inspection	
1	1,330	1,330	8/3-9/2/93	10/27,29, 30/93	Aviation Support, Airfield, Industrial, Institutional (Educational), Public Facilities/Recreation, Vacant; Deposits of fill and debris noted north of the base along closed crosswind runway and west of Air Traffic Transceiver. A fuel station and storage tanks are present near Facility 901.
2	9	9	10/29/93		Military Property; Administrative office, heavy vehicle parking, equipment storage
3	88	88	8/3-9/2/93	10/27/93	Other Military Property, Residential; Military Family Housing
4	15	15	8/3-9/2/93	10/30/93	Public Facilities/Recreation; Golf course
5	10	10	10/27/93		Other Military Property; Administrative offices
6	2	2	8/3-9/2/93	10/27/93	Other Military Property
7	338	338	8/3-9/2/93	10/27/93	Commercial, Public Facilities/Recreation, Residential, Vacant
8	15	15	10/27/93		Other Military Property; Light industrial, heavy equipment storage and heavy equipment operational training
9	1.2	1.2	8/3-9/2/93	10/30/93	Public Facilities/Recreation; Church
10	212	212	9/2/93	10/27/93	Agricultural, Commercial; Removed USTs, small office building
11	41	41	9/2/93	10/29/93	Agricultural, Residential; Single-family dwelling
12	40	40	9/2/93	10/29/93	Agricultural, Residential; Single-family dwelling, cattle grazing
13	20	20	9/2/93	10/29/93	Agricultural, Residential; Single-family dwelling, cattle grazing
14	20	20	10/29/93		Agricultural, Residential; Cattle grazing
15	20	20	10/29/93		Agricultural, Residential; Single-family dwelling, cattle grazing
16	21	21	10/29/93		Agricultural, Residential; Single-family dwelling

Note: (a) Dates given as month/day/year

Table 4-7. Areas of Potential Environmental Concern  
Page 1 of 2

Map ID	Location	Condition of Off-Base Area of Concern	Specific Environmental Concern
19	Along base boundary northwest of Petroleum, Oils, and Lubricants (POL) Storage Yard	A large rectangular area of fill material with abrupt changes of vegetation including changes in condition and/or type to areas with no vegetation. Also, dumping of construction debris has taken place, and concrete, wood, asphalt and scrap metal were noted. A hardened tar-like material was also found in this area. It measured approximately 4 feet by 3 feet by 2 feet and its source (either dumped or from the ground) could not be determined.	Changes in vegetation type can be a sign of environmental impairment as different vegetations are more or less tolerant of particular types of contaminants, and lack of vegetation may be due to soils made unsuitable by contamination. The uncontrolled dump could have potential to introduce environmental hazards. The origins and constituents of the tar-like material are unknown and may represent environment contamination.
20	South of Facility 900 and west of Facility 801	Area consists of industrial facilities that maintain aircraft and vehicles and support other industrial operations. Two waste oil ASTs, two diesel fuel ASTs, a vehicle fuel station, five USTs, and a number of former USTs have existed here. An area of drainage leaving this area east of Facility 829 has left no vegetation. However, it could not be determined if this was due to the vigor of the drainage or potential contamination.	The industrial operations, ASTs, USTs (former and present), and vehicle refueling operations all have the potential for introducing contamination to base property by surface or subsurface migration. The drainage east of Facility 829 may be evidence of this.
21	East of and adjacent to the Small Arms Firing Range parcel	An active skeet range.	The skeet range may be contributing lead contamination behind the Small Arms Firing Range impact berm. The <u>Firing Range Site Phase II</u> (August 1993) identified elevated concentrations of lead in the soils behind the Small Arms Range impact berm, facing the Skeet Range.

AST = Aboveground storage tank.  
UST = Underground storage tank.



#### EXPLANATION

- [White Box] Uncontaminated Property (Category 1)
- [Dark Gray Box] Hazardous substance stored - no release (Category 2)
- [Hatched Box] Hazardous substance release, below action levels (Category 3)
- [Solid Black Box] Hazardous substance release, all actions have been taken (Category 4)



December 8, 1993

Richards-Gebaur AFB EBS

#### Property Categorization

- [White Box] Hazardous substance release, not all actions have been taken (Category 5)
- [Dark Gray Box] Hazardous substance release, no actions taken (Category 6)
- [Hatched Box] Areas requiring additional evaluation (Category 7)

— - - Base Boundary

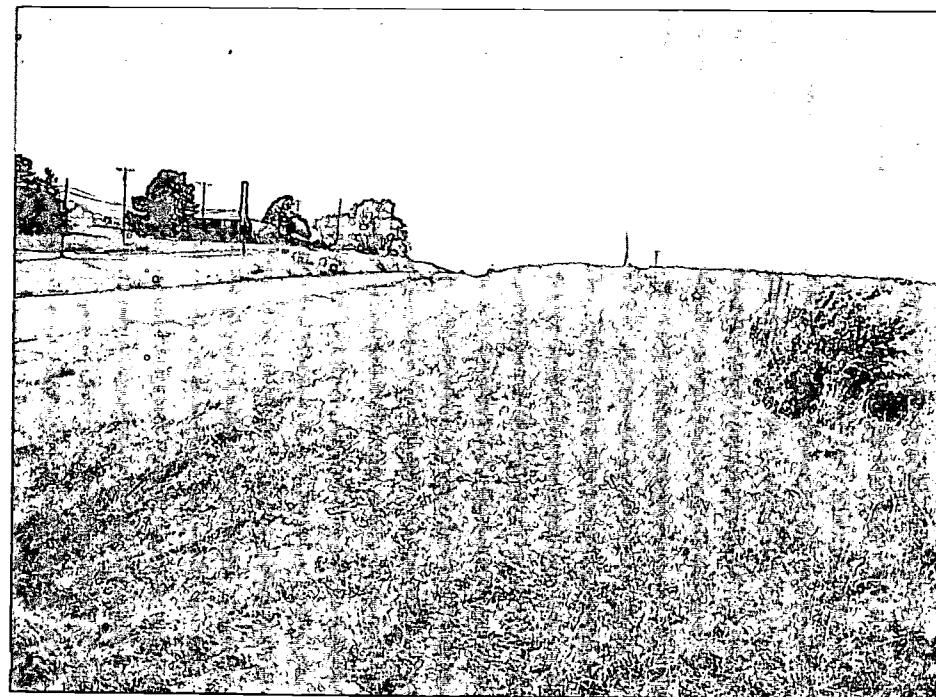
Figure 5-2

**Table 5-1. Facility/Property Matrix - Richards-Gebaur AFB**  
**Page 6 of 7**

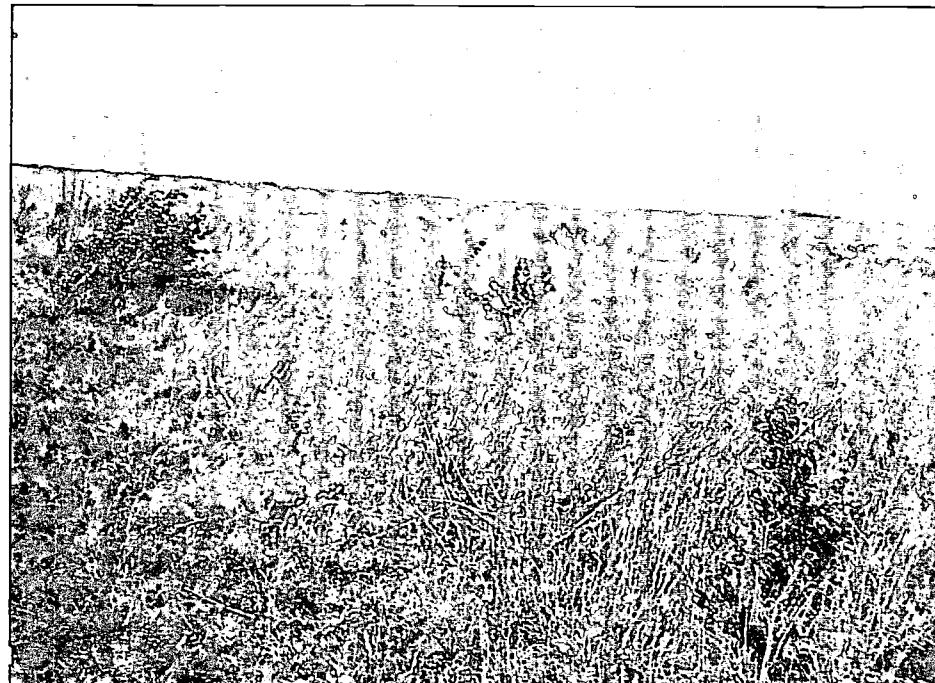
5-14

Facility (Use)	Property ID Number	Year of Construction	Square Footage	IRP Site	Hazardous Materials	Hazardous Waste	Storage Tanks/OWSs			ACM	Lead- Based Paint	Type of Inspection Completed	Overall Property Category
							Type	Content	Capacity (gallons) <sup>14</sup>				
1009 (Instrument Landing System Localizer)	(b)	Unknown	Unknown				AST-A(2)	MOGAS	275	N	X	Physical	2
1011 (Electrical Power Station)	(b)	1962	128				AST-R(3)	MOGAS	275	N	X	Physical	3
1025 (Air Traffic Transceivers)	A-1	1963	1,048				AST-A(2)	Diesel	90	Y	X	Physical	7
							AST-A(2)	Diesel	275				
							AST-A(2)	Diesel	560				
							UST-R(7)	Fuel oil #2	550				
							UST-R(7)	Diesel	275				
							UST-R(7)	Fuel oil #2	1,000				
1027 (Support Structure Antenna)	A-1	1969	NA							N	X	None	7
1033 (Fire Training Facility)	B-1	1973	NA	FT-002(5)		W-2	AST-R(7)	Waste JP-4	5,000	N	X	Physical	7
							OWS-II(7)	Waste oil	425				
							OWS-R(7)	Waste oil	565				
1049 (Range Control House)	C-1	1956	2,320							N	X	Physical	7
1050 (Storage Magazine Aboveground)	C-1	1956	100							N	X	Physical	7
1100 (Mobile Radio Transceiver)	F-1	1953	1,048				AST-A(2)	MOGAS	275	Y	X	Physical	7
							UST-R(7)	Fuel oil #2	550				
							UST-R(7)	Gasoline	250				
1101 (Support Structure Antenna)	F-1	1969	NA							N	X	None	7
1201 (Weapons System Maintenance Management Facility)	G-2	1961	1,429				UST-R(7)	Fuel oil #2	3,000	Y	X	Physical	7
1202 (Missile Assembly and Training)	G-2	1961	3,852	II-2		W-2	UST-R(7)	Fuel oil #2	1,500	Y	X	Physical	7
							UST-II(7)	Fuel oil #2	1,650				
1203 (Storage Magazine Aboveground)	G-1	1961	5,644	II-2						N	X	Physical	2
1205 (Base Hazardous Storage)	G-1	1962	53							N	X	Physical	2
1206 (Spares Inert Storage)	G-2	1991	6,000							N		None	2
1207 (Equipment Pad)	G-1	1991	7,074							N		None	2
1401 (Instrument Landing System Localizer)	(b)	1957	186				AST-R(2)	MOGAS	275	N	X	Visual	2
1600 (Reserve Forces Operational Training)	J-1	1956	1,267							N	X	Physical	7

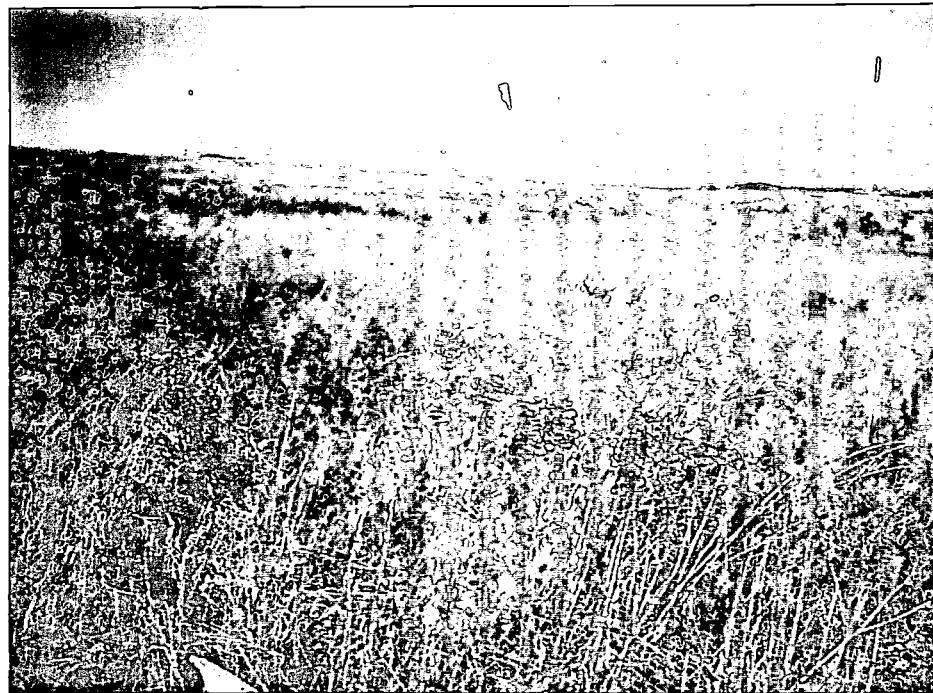
**APPENDIX E**  
**RECONNAISSANCE PHOTOGRAPHS**



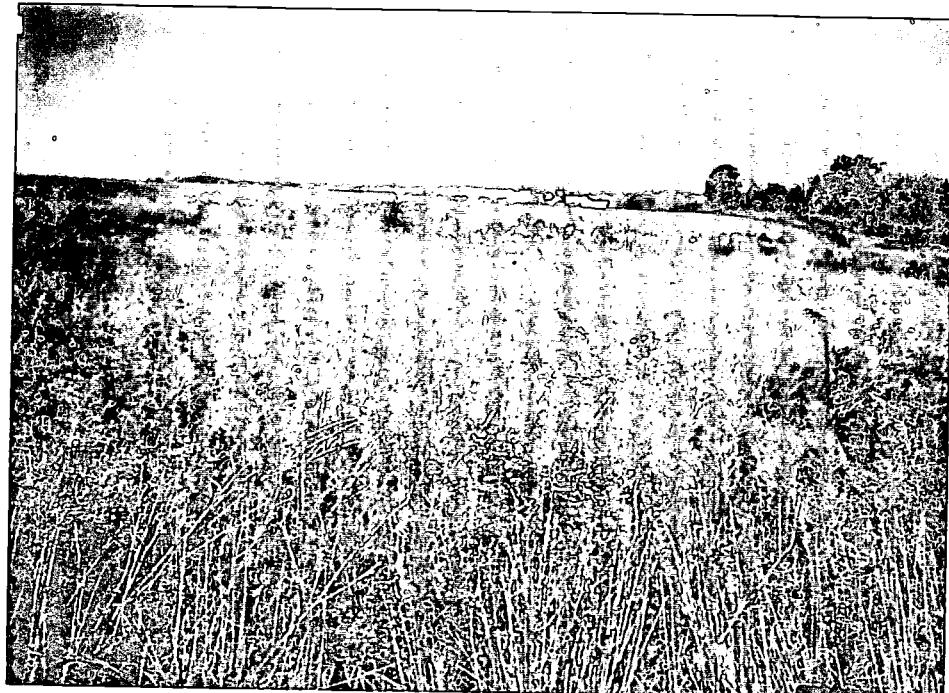
**PHOTOGRAPH 1:** South area of site viewing west along 155th Street.



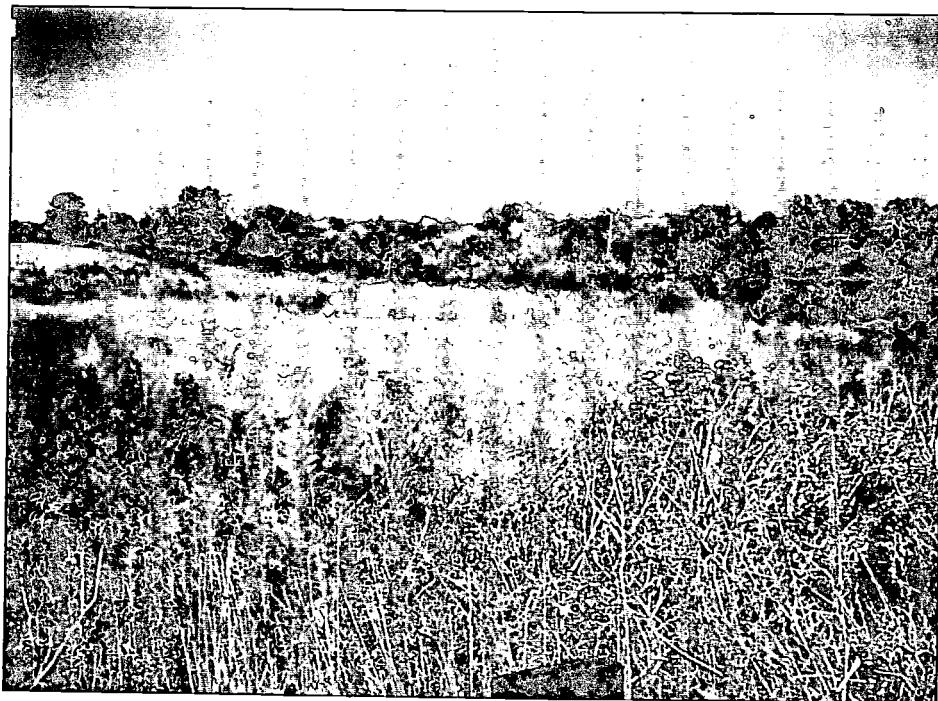
**PHOTOGRAPH 2:** View west across subject site.



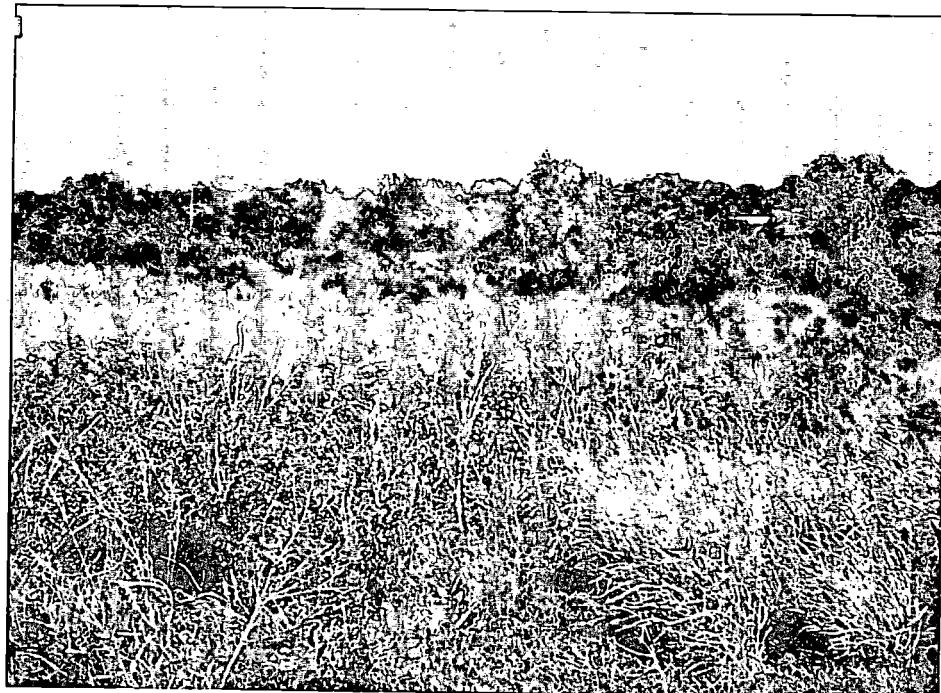
**PHOTOGRAPH 3:** View northwest across subject site.



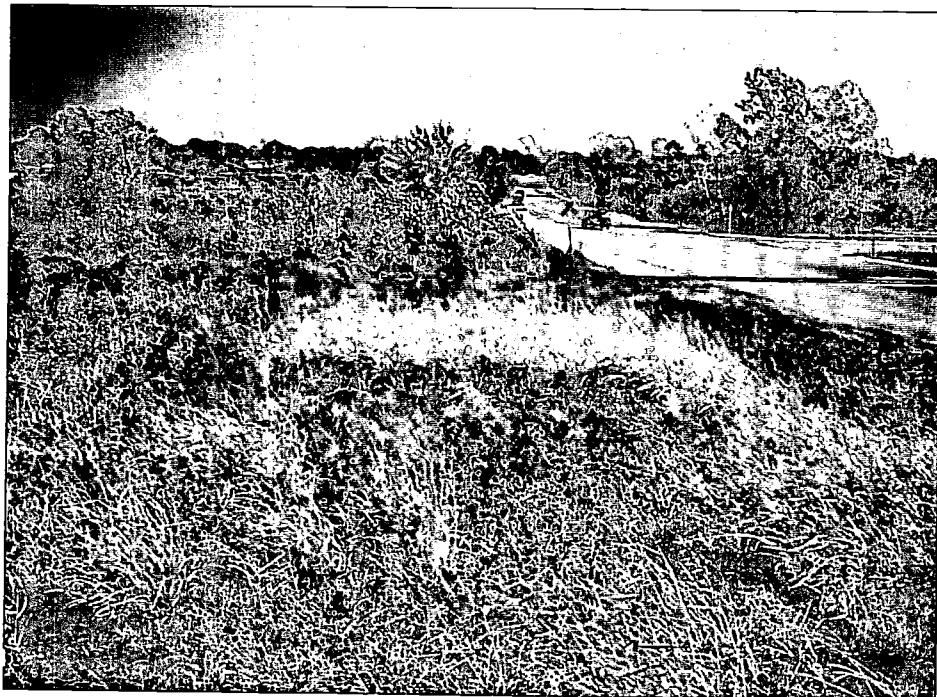
**PHOTOGRAPH 4:** View north across subject site.



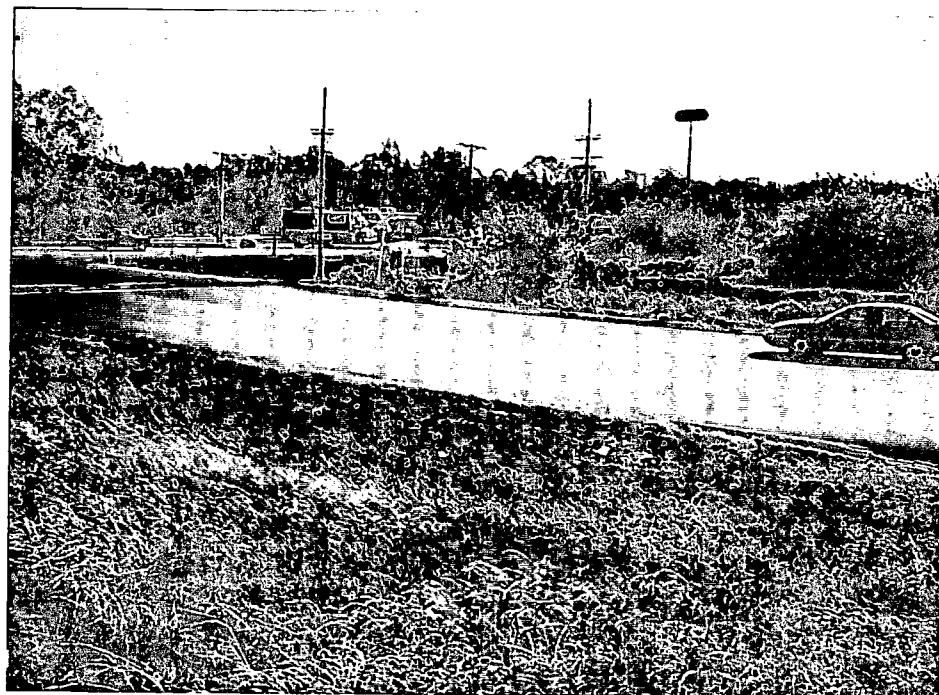
**PHOTOGRAPH 5:** View northeast across subject site.



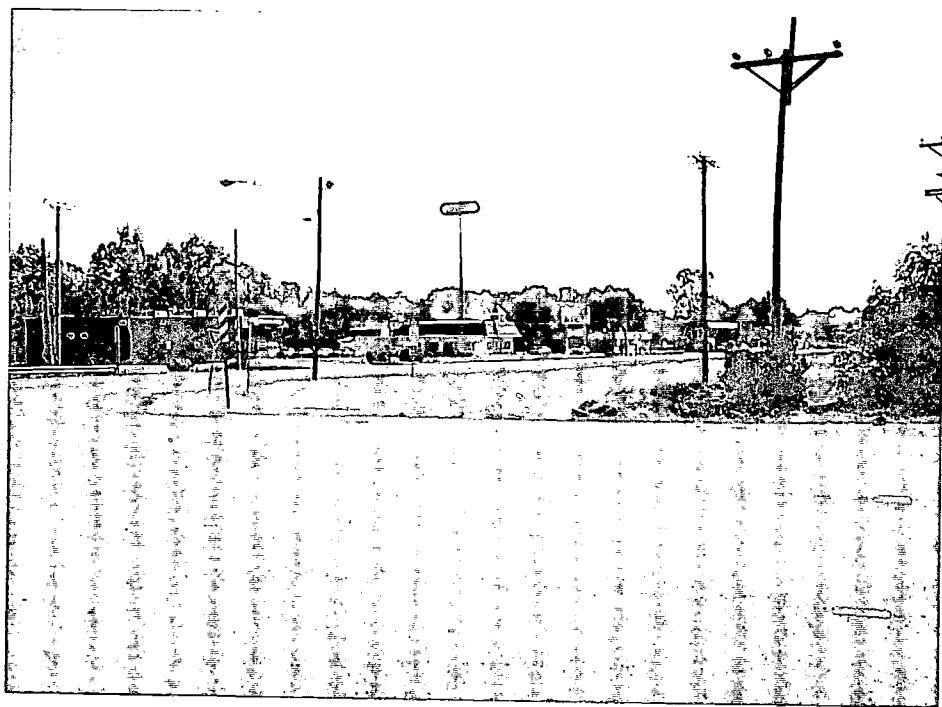
**PHOTOGRAPH 6:** View east across subject site.



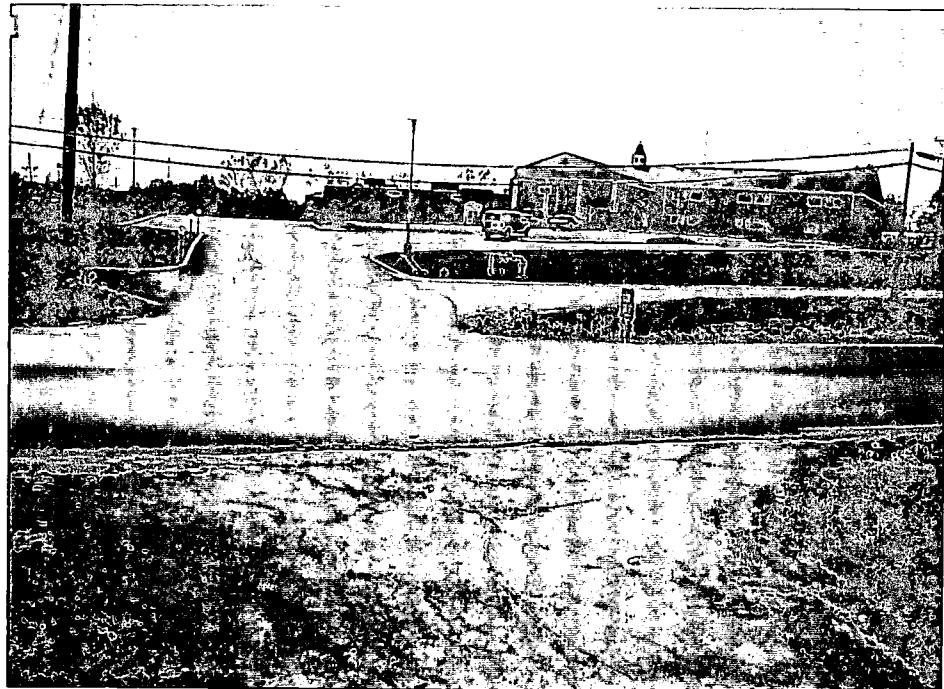
**PHOTOGRAPH 7:** South area of site viewing east along 155th Street.



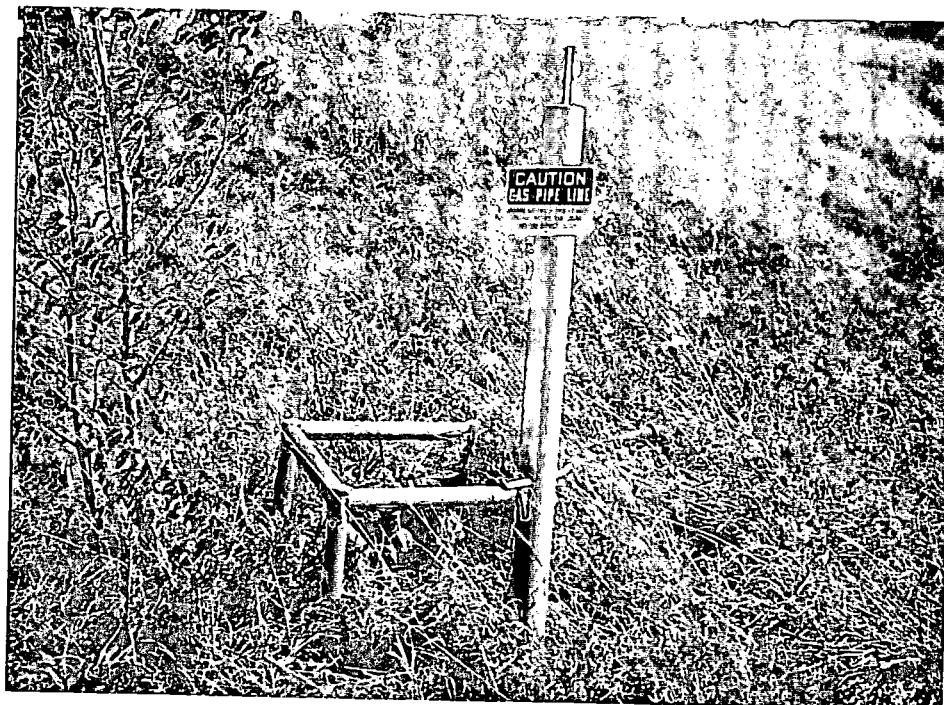
**PHOTOGRAPH 8:** Southeast adjacent properties located across 155th Street.



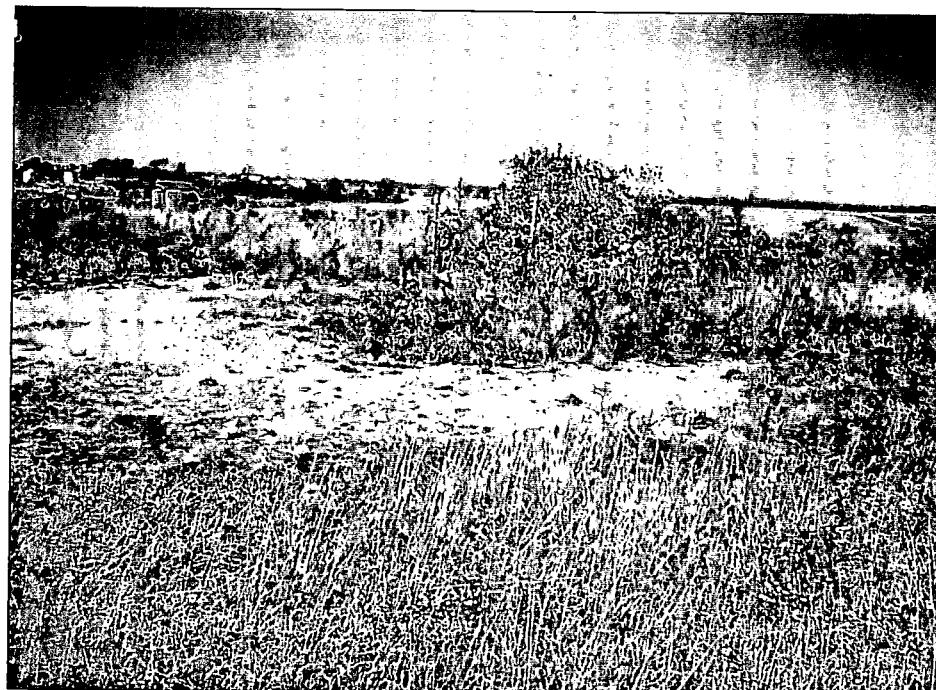
**PHOTOGRAPH 9:** Commercial development located across 155th Street along Lawndale Road.



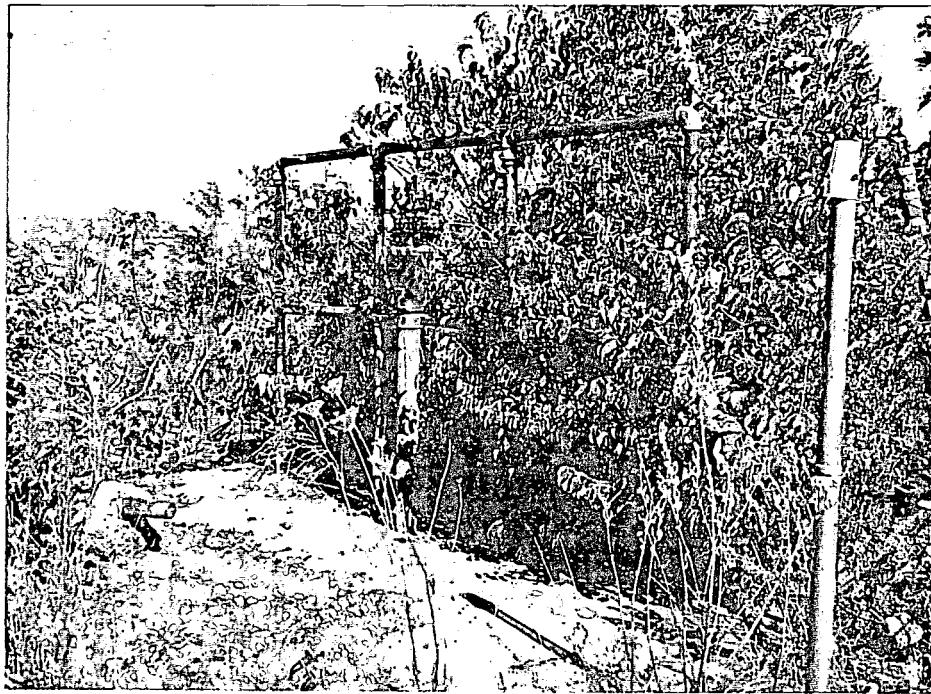
**PHOTOGRAPH 10:** South adjacent property (nursery) located across 155th Street.



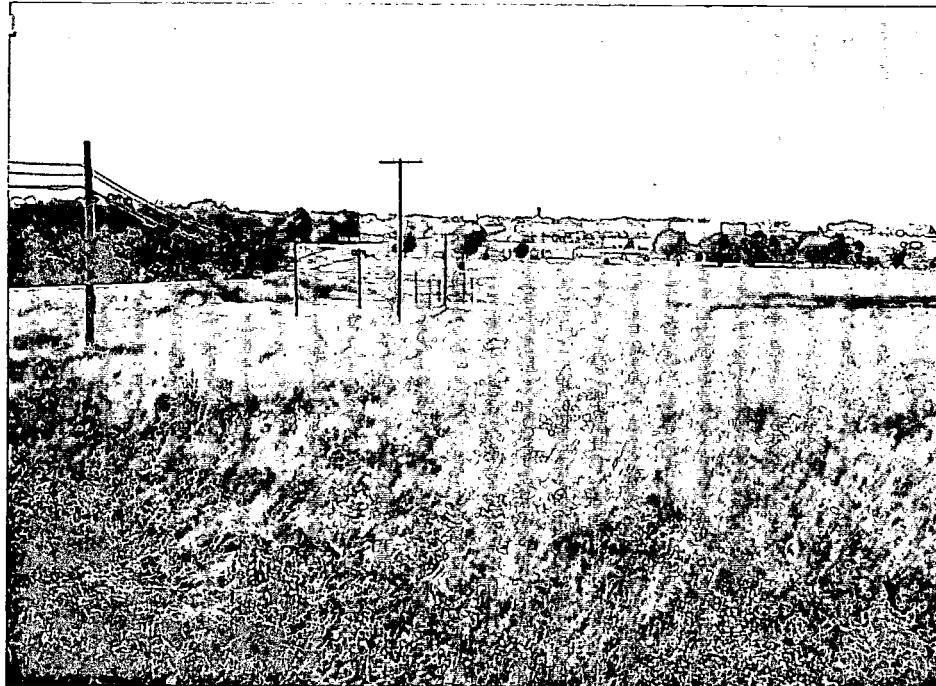
**PHOTOGRAPH 11:** Gas pipe line located on the south area of the site parallel to 155th Street.



**PHOTOGRAPH 12:** Location of former Building 1301.



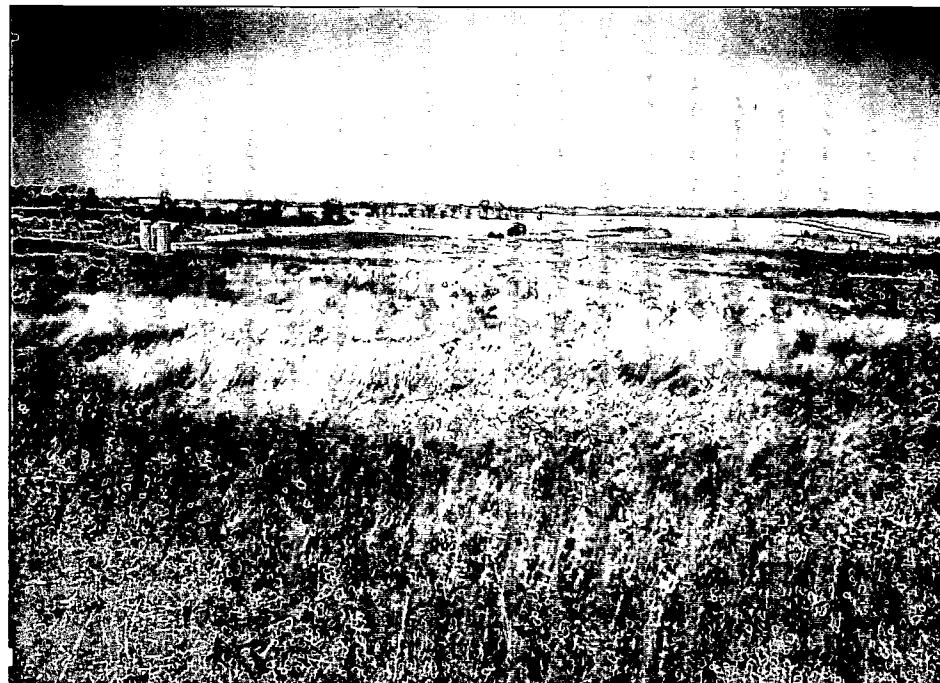
**PHOTOGRAPH 13:** Associated equipment and concrete slab from former Building 1301.



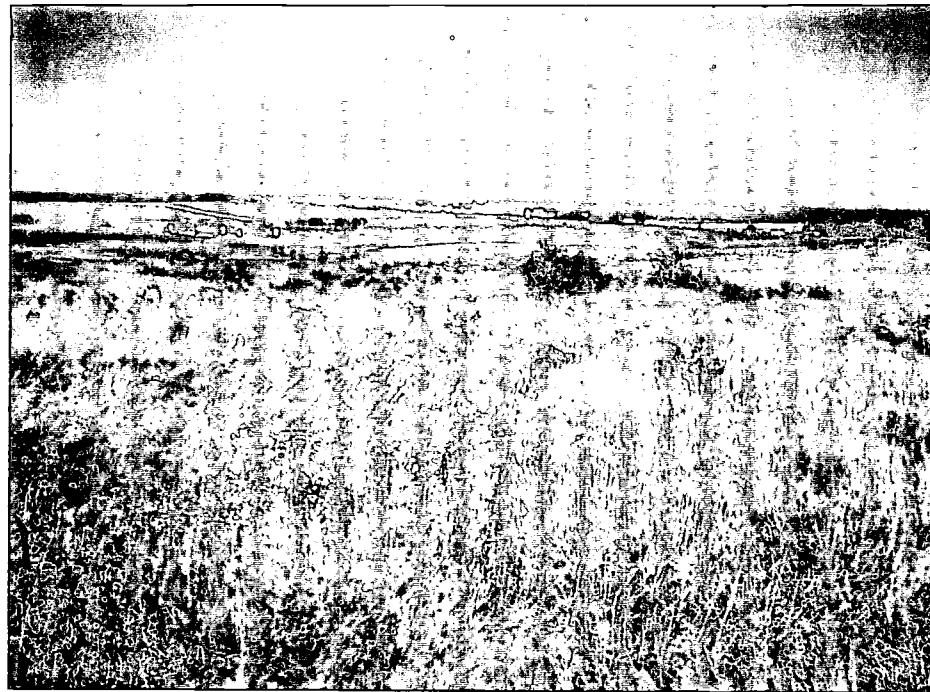
**PHOTOGRAPH 14:** Southwest area of subject site. The Richards-Gebaur Memorial Airport is located farther west in the background..



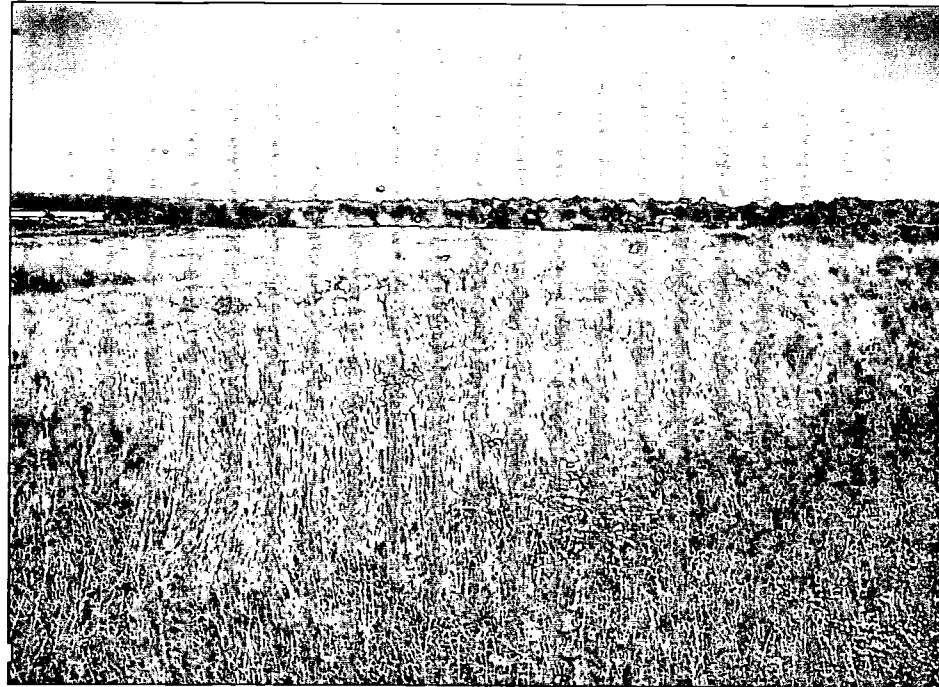
**PHOTOGRAPH 15:** Northwest area of subject site with Richards-Gebaur Memorial Airport shown in the background.



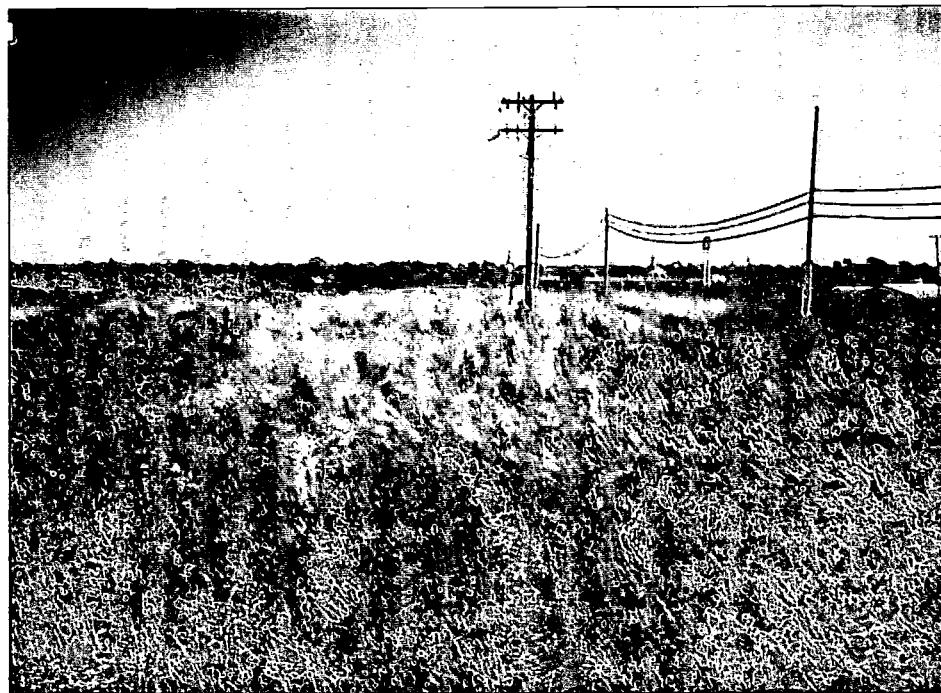
**PHOTOGRAPH 16:** Northwest area of subject site with the Small Arms Range and Skeet Range shown in the background.



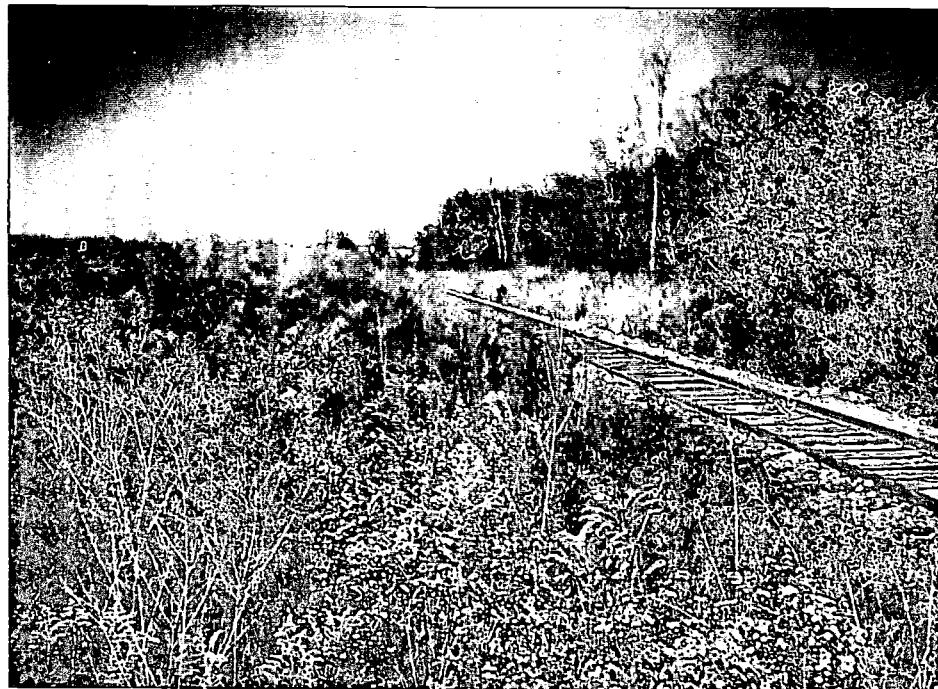
**PHOTOGRAPH 17:** North area of subject site with pond located on north property border. The Northeast Landfill is located in the background.



**PHOTOGRAPH 18:** Northeast area of subject site.



**PHOTOGRAPH 19:** View east along south area of subject site.



**PHOTOGRAPH 20:** View north along the east adjacent St. Louis-San Francisco Railroad.



**PHOTOGRAPH 21:** View south along the St. Louis-San Francisco Railroad.



**PHOTOGRAPH 22:** Evidence of discarded farm equipment



**PHOTOGRAPH 23:** Discarded farm equipment located on the central portion of the subject site.



**PHOTOGRAPH 24:** Discarded fence posts and associated concrete located on the central portion of the subject site.



**PHOTOGRAPH 25:** Discarded fence posts and concrete located on the central portion of the subject site.

**APPENDIX F**  
**AUTHOR'S CREDENTIALS**

Environmental Project Manager  
Lawrence Advanced Environmental Department

### Professional Experience

Mr. Leines is responsible for client contact, consultation, proposal development, management, on-site investigation, record search, sampling, report writing and production of Phase I and II environmental and contamination assessments. His duties also include management of underground storage tank removal, sampling of soil, groundwater, wastewater, and NPDES storm water.

Previously, Mr. Leines was a field inspector for Hall-Kimbrell's asbestos division. In this position, he was responsible for a variety of field services necessary for successful completion of asbestos projects. During the assessment phase, he met with the client or building contact, conducted building inspections, sampled suspect materials, and determined exposure potentials for each area.

### Representative Projects

*Dean Machinery Company* - Development of the site safety and health plan, management of the removal of an underground storage tank, soil sampling, supervised personnel, on-site monitoring, transportation of samples to the laboratory, assisted in the handling of UST, wastes, and contaminated soil disposal, report writing and production for submittal to the Missouri Department of Natural Resources (MDNR).

*United Investors Real Estate* - Managed the removal and incineration of five PCB-containing transformers. Developed the site safety and health plan, collected information necessary for contractors to complete tasks, and supervised removal and transportation of the transformers. Mr. Leines also assessed the extent of contamination, developed reports, and documented all procedures.

*Deluxe Check Printers* - Assisted with numerous phases of this large project involving assessment and remediation associated with leaking underground storage tanks. Conducted soil and water sampling, gathered data and supplies, decontaminated equipment, developed reports, and assessed contamination. Also assisted in developing a sampling grid for additional investigation, sampled water and soil from appropriate locations, observed the removal of an underground storage tank while ensuring the health and safety of the workers, conducted HNu organic vapor meter readings around the site, and took photographs. Performs ongoing quarterly sampling of monitoring and extraction wells, report production for submittal to the County Water Pollution Control Board and the Kansas Department of Health and Environment (KDHE).

*Hospital Linen Services* - Conducted semiannual sampling of wastewater discharge as it entered the municipal sewer system during normal working hours. Samples were delivered to our analytical facility with consideration of special transportation and holding time requirements and were analyzed for pH, surfactants, biochemical oxygen demand, chemical oxygen demand, and total suspended solids.

*State of Iowa Atlantic/Riverton - Community Remediation Project* - Investigation of site histories, obtained access agreements, located utilities prior to drilling operations, S.S. & Health officer, drilling assistant, soil sampling and on-site screening, development of monitoring wells, groundwater sampling and responsible for the transportation of samples to laboratory. Production of site cleanup reports for submittal to IDNR.

### Certifications and Affiliations

OSHA 40-hour Health and Safety Training  
and Site Supervisor Training

Phase I Environmental Site Assessment Training

Phase II Environmental Site Assessment Training

Kansas Licensed UST Installer and Remover

EPA-Certified Asbestos Management Planner

National Groundwater Association

EPA-Certified Asbestos Inspector

Iowa Well Contractor #40349

Education - B.S. General Studies, University of Kansas, 1986

## Andrew L. Clayton, P.G.

Senior Geologist

### **Professional Experience**

Mr. Clayton is responsible for developing and designing environmental assessment and remediation projects. His duties include supervision of the field assessment, data analysis, and final report production. Where environmental hazards are identified, Mr. Clayton develops remediation options and aids in the design and implementation of the remediation. In addition to several years of field experience, Mr. Clayton spent two years managing PSI's New York branch office and was responsible for the development and supervision of field assessments and mitigation projects. As a PSI Senior Author, Mr. Clayton is responsible for technical support and quality control of environmental projects.

Mr. Clayton previously worked for the Kansas Geological Survey and at Kansas State University and was responsible for the collection and analysis of samples of various rocks, soils, and waters.

### **Representative Projects**

*Kansas Department of Health and Environment* - Conducted site assessments/investigations at 10 Wichita area Trust Fund sites.

*Norfolk Southern Railroad* - Conducted a contamination assessment and installed a free-product recovery system at a fueling station site.

*J.C. Penney* - Conducted a site assessment and assisted in the remedial design at a former UST site.

*Lennar Northeast Properties* - Reviewed environmental documents and estimated environmental liabilities at 35 sites.

*Schwegman Giant Super Markets* - Developed a remedial action specification and developed contract documents for this UST site.

*St. Louis Regional Convention Center and Sports Complex Authority* - Managed the assessment of soil and groundwater contamination at the site of a former bus terminal.

*United Parcel Service* - Conducted contamination assessments to evaluate the extent of soil and groundwater contamination of four midwest distribution centers. Developed corrective action plans for contaminant remediation at three sites.

*Acme Printing Ink* - Implemented a vapor extraction system for removal of benzene from contaminated soil.

*Circle K Convenience Stores* - Designed and produced a remedial action plan to cleanup groundwater contamination resulting from leaking underground storage tanks at an active site.

### **Certifications and Affiliations**

Registered Professional Geologist - TN, IN, KY, PA (Pending)

Registered Ground Water Professional - IA

Certified UST Consultant - OK

OSHA 40-hour Health and Safety

American Industrial Hygiene Association

Site Supervisor Training

EPA-certified Asbestos Inspector

### **Education**

M.S. Geology, Kansas State University, 1985

B.S. Geology, Bowling Green State University, 1980