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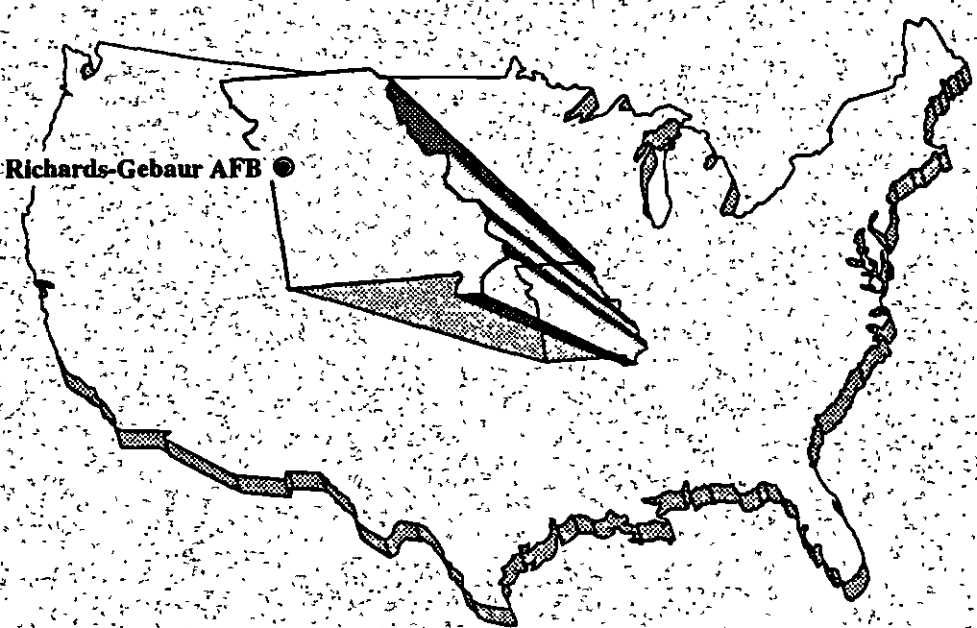
# RICHARDS-GEBAUR AFB
# MISSOURI

# ADMINISTRATIVE RECORD
# COVER SHEET

AR File Number 71

# BASEWIDE ENVIRONMENTAL BASELINE SURVEY RICHARDS-GEBAUR AIR FORCE BASE, MISSOURI

December 1993



# BASEWIDE ENVIRONMENTAL BASELINE SURVEY
# RICHARDS-GEBAUR AIR FORCE BASE, MISSOURI

DECEMBER 1993

# Environmental Baseline Survey Errata Sheet

| Page | Section | Paragraph | Line | Error corrections |
|---|---|---|---|---|
| S-4 | * | 5 | 4-5 | Lead has been found in the sediments of a drainage swale located in the central region of the Cantonment Area. |
| S-4 | * | 7 | 1-2 | The area northwest of the POL Storage Yard contains construction debris on the surface. It has not been determined if the area qualifies as a landfill. |
| S-5, S-6, and S-7 | * | 5 | 15-16 | The central drainage swale/wetland in Area D-3 is contaminated with lead ten times greater than the USEPA recommended action range. This should be Category 7 property. Excavation of a fuel line in Area D-1 proved contaminated soil is present. A portion of Area D-1 should be Category 6 property. FT002 has an area contaminated with lead greater than the USEPA recommended action range. A portion of Area B-1 should be Category 6 property. These corrections apply throughout the EBS. |
| S-5 | * | 6 | All | Some of the property identified as "Category 7" is not, and some areas should have been classified "Category 7" instead of "Category 1" (Uncontaminated). |
| S-7 | * | * | * | The Small Arms Range is classified as "Category 3"; samples confirm this fact. The POL Storage Yard is larger than shown. Immediately north of the POL Storage Area is a "Category 3" area. The NDI Laboratory is "Category 7" property. |
| 2-5 | * | 7 | * | Refer to errata for page S-4. |
| 3-2 | * | * | * | Remove all property improvements in the section of land containing the Belton Training Complex property. No roads or structures existed in 1955 within the section. |
| 3-4 | * | * | * | Change the Belton Training Complex coding to "Industrial Use." |
| 3-5 | * | * | * | Change the NDI Laboratory coding to "Aviation Support." |
| 3-6 | 3.2 | 2 | 5 | Replace the term "sites" with "parcels." |
| 3-7 | 3.2 | 4 | 3-4 | Replace "The effluent is held ...and passed through..." with "A portion of the flight line area is served by a detention reservoir (Facility 943) which processes effluent through..." |
| 3-8 | * | * | * | Add a surface impoundment 3/8" southwest of the POL Storage Yard on this figure. |
| 3-12 | 3.3.1.2 | bullet 2 | 9 | Replace the term "rounds" with "shell casings." |
| 3-13 | 3.3.2 | 2 | 2 | Replace "1983" with "September 1982." |
| 3-13 | 3.3.2 | 5 | 9-10 | Replace the sentence "An interim removal...Site SS006" with "Interim removal/remedial actions have been completed at sites SS003, SS004, SS006, ST007 and SS009." |

| | | | | |
|---|---|---|---|---|
| 3-14 | * | * | * | The size of site ST005 is larger than depicted. ST005 extends toward the southwest another 1/8". The size of site SS004 is much smaller than depicted. |
| 3-15 | 3.3.2 | 2 | 2 | Replace "six" with "seven." |
| 3-15 | 3.3.2 | 2 | 3 | Replace "four" with "five." |
| 3-15 | 3.3.2 | 2 | 4 | Add "SS009" to the list of sites. |
| 3-15 | 3.3.2 | 2 | 6 | Replace "These five..." with "Appropriate portions of these six sites..." |
| 3-15 | 3.3.2 | 2 | 9 | Replace "...and they are..." with "...therefore appropriate portions of these sites are..." |
| 3-15 | 3.3.3.1 | 2 | 8-9 | Restructure the sentence by removing "but not confirmed...at IRP site ST007." |
| 3-15 | 3.3.3.1 | 2 | 9-10 | Replace "...both of these ASTs are..." with "...this AST is..." |
| 3-16 | 3.3.3.2 | 1 | 2 | Replace "...remaining 29..." with "...less than half of the remaining..." |
| 3-16 | 3.3.3.3 | 3 | 13 | Replace "...are currently being..." with "...were..." |
| 3-16 | 3.3.3.3 | 3 | 14 | Restructure the sentence by removing "and may require further investigation." Add the sentences "A large leak was discovered near building 942. The immediate area of the leak is considered Category 6, surrounded by a Category 7 buffer zone which is scheduled for investigation." |
| 3-16 | 3.3.3.3 | 4 | 2-4 | Remove the last sentence in this paragraph. |
| 3-16 | 3.3.4 | 1 | 1 | Replace "...oil, fuel, and grease..." with "...lighter-than-water non-aqueous phase liquids..." |
| 3-17 | 3.3.4 | 1 | 1 | Replace "...33 OWSs..." with "...nine (9) OWS systems..." |
| 3-17 | 3.3.4 | 1 | 6 | Replace "...Ten..." with "...Five..." and "OWSs" with "OWS systems." |
| 3-17 | 3.3.4 | 1 | 9-11 | Remove the last sentence in this paragraph. Replace with "One OWS system is still operational and has not been closed in accordance with MDNR regulations. This OWS system is considered Category 7." |
| 3-17 | 3.3.5 | 2 | 2-3 | Remove the sentence beginning "However, no records...", and replace it with "In 1983, CH2M Hill reported (IRP Records Search) that based on a 1976 report, Chlordane was used at the rate of 220 gallons per year. Usage rates of other chlorinated pesticides were also noted in this report. During the EBS records search, the 1976 report was not available for review." |
| 3-17 | 3.3.5 | 3 | 2 | Add "All buildings are therefore considered Category 2 with respect to pesticide use based on normal pesticide usage." |
| 3-19 | 3.3.8 | 1 | 1-2 | Remove the words/phrases "no significant", "either" and "water or." Add "These areas are considered Category 6." |
| 3-19 | 3.3.8 | 3 | 2 | Delete "and sediments." |
| 3-19 | 3.3.10 | 1 | 1-2 | See errata for page S-4. |

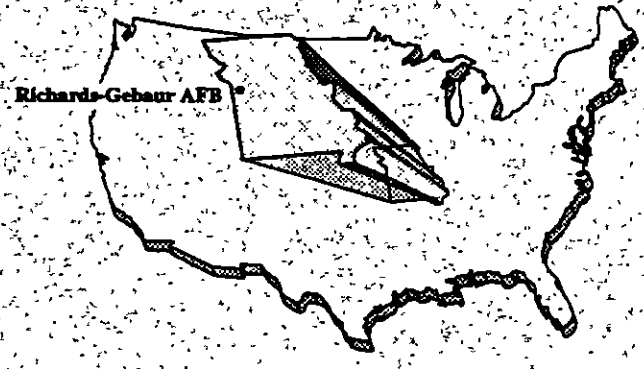
| | | | | |
|---|---|---|---|---|
| 3-19 | 3.4 | 1 | 2-4 | Change the last sentence to read "Issues regarding these resources are discussed within Section 3.3 where appropriate." |
| 3-20 | 3.4.4 | 1 | 5-6 | Replace "buildings" with "structures." |
| 4-6 | * | Table 4-4 | * | Add a footnote to "Unable to locate*": " * A cluster of 7 tanks, now removed, existed northeast of 15403 Andrews Road (across Kensington Avenue) at an old demolished service station. |
| 4-8 | * | Table 4-5 | * | Remove all references to the Paint Stripper Hanger. The Paint Stripper Hanger is not a Formerly Used Defense Site. This area was not Air Force property when the contractor inspected it. The area noted in the study was already under investigation by the owner. |
| 6-3 | * | * | * | Add to the List of Preparers: P. Mark Esch, BRAC Environmental Coordinator, U.S. Air Force, OLQ, AFBCA, B.S., Civil Engineering, 1987, University of Texas, Austin; Years of Experience: 5 |

I certify that this errata sheet is correct and truthfully represents the environmental condition of property at Richards-Gebaur AFB, MO. The environmental condition of property was corrected based on available records, interviews, and sample results overlooked by the contractor preparing the EBS.

P. Mark Esch 15 JAN 94

P. Mark Esch
BRAC Environmental Coordinator
OL Q, AFBCA

cc: file: BEBS
PME




# SUMMARY

# 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 retrofilled 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

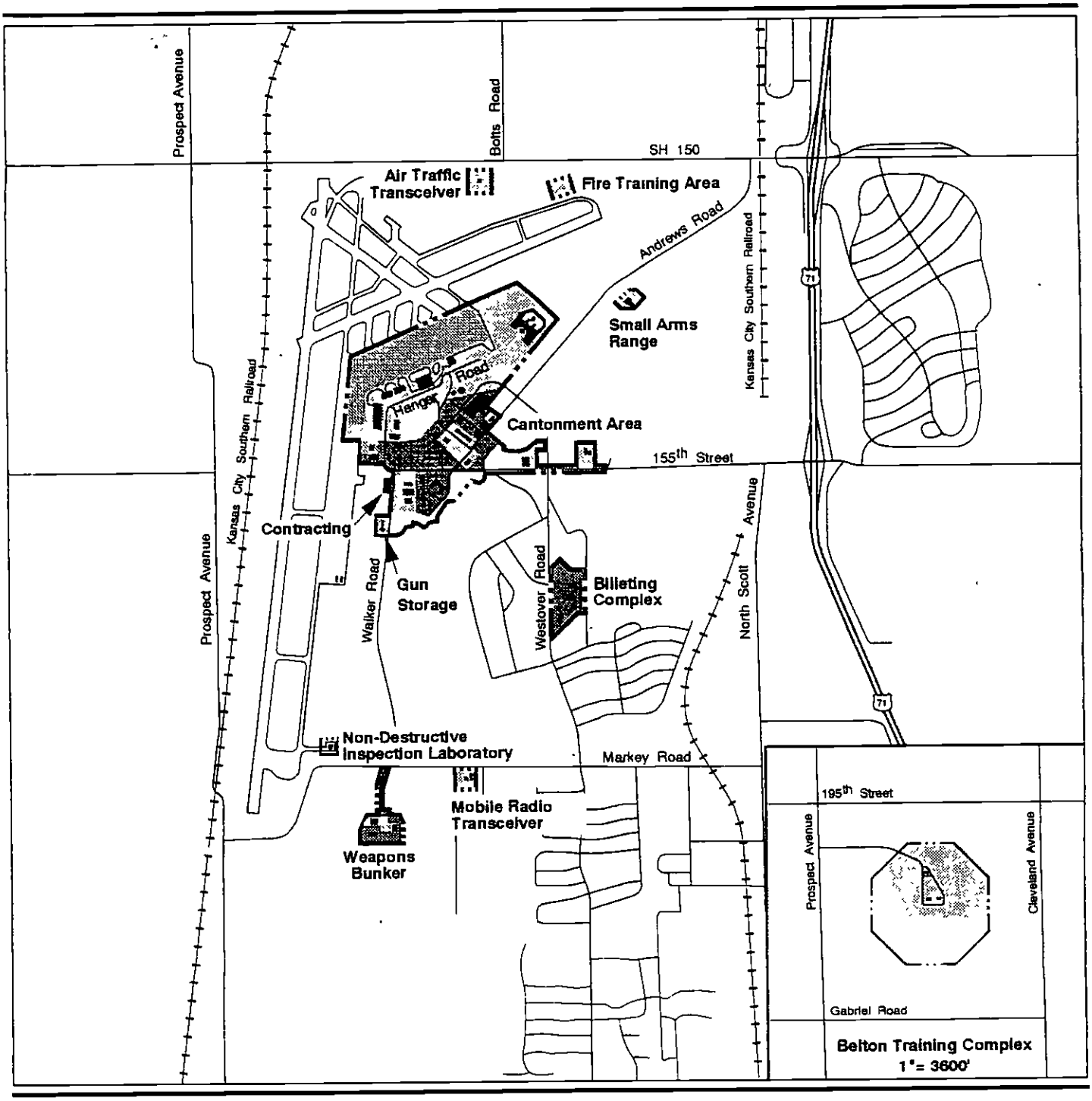
Of the 16 contiguous properties surveyed, 10 were physically inspected. Based on the records search and site inspections of the properties conducted for this EBS, there are no areas on Richards-Gebaur AFB where it is known that contamination has resulted from activities on any of the off-base properties; 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)
- 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

0 650 1250 2500 Feet

# Property Categorization

**Figure S-1**

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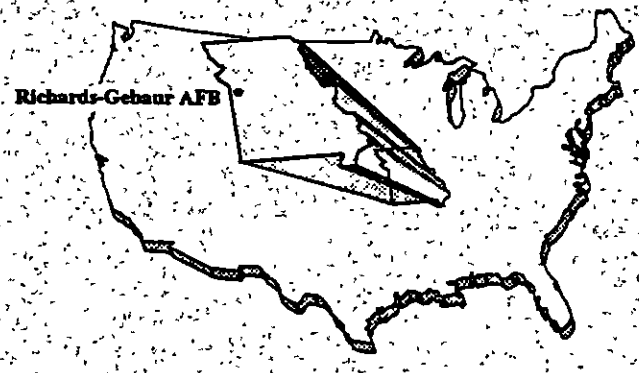


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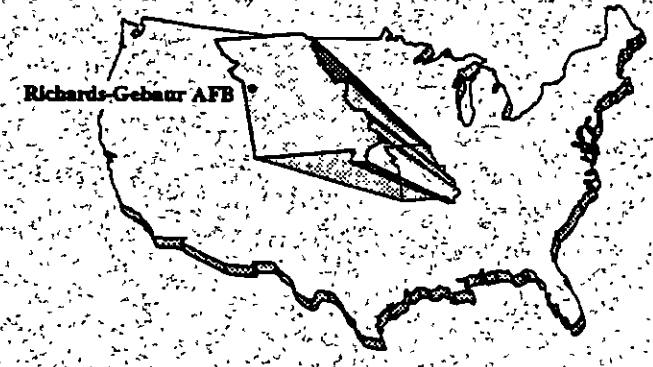



# CHAPTER 1

# 1.0 PURPOSE OF THE ENVIRONMENTAL BASELINE SURVEY

## 1.1 INTRODUCTION

Purpose. This Environmental Baseline Survey (EBS) documents the physical condition of Air Force real property at Richards-Gebaur Air Force Base (AFB), Missouri resulting from the storage, use, and disposal of hazardous substances and petroleum products over the base's history. The EBS collects into a single document all available information to establish a baseline for use by the Air Force in making decisions concerning real property transactions.

Although primarily a management tool, the EBS also assists the Air Force in meeting its obligations under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code (U.S.C.) Section 9620 (h), as amended by the Community Environmental Response Facilitation Act (CERFA), Public Law 102-426. An EBS is required by Department of Defense (DOD) policy before any property can be sold, leased, transferred, or acquired.

The EBS helps the Air Force to:

- Develop sufficient information to assess the health and safety risks on the property surveyed, and determine what actions are necessary to protect human health and the environment prior to a real property transaction.
- Support decisions for Finding of Suitability to Lease/Finding of Suitability to Transfer and aid in determining lease or deed restrictions.
- Document and obtain regulator concurrence on uncontaminated property as required and defined under CERCLA Section 120(h)(4), identification of uncontaminated property.
- Support notice, when required under CERCLA Section 120(h)(1), of the type, quantity, and time frame of any storage, release, or disposal of hazardous substances or petroleum products on the property.
- Identify data gaps concerning environmental contamination.
- Define potential environmental liabilities associated with real property transactions.
- Aid in determining possible effects on property valuation from any contamination/concerns identified.

Content of Environmental Baseline Survey Report. The information for the EBS was obtained through a records search, visual inspections, and interviews. The records search included a title search, review of aerial photographs, and review of all available Air Force and other agency records including environmental restoration and compliance reports, records, audits, facility drawings, and inspections. Visual inspections of the base property and facilities were conducted. The EBS also includes an assessment of environmental conditions 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 also conducted on contiguous off-base properties where access was obtained from the owner or operator. Where access was not permitted, visual inspections of off-base properties were conducted from base property or public roads.

Based on an analysis of the available data, the EBS categorizes property 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 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

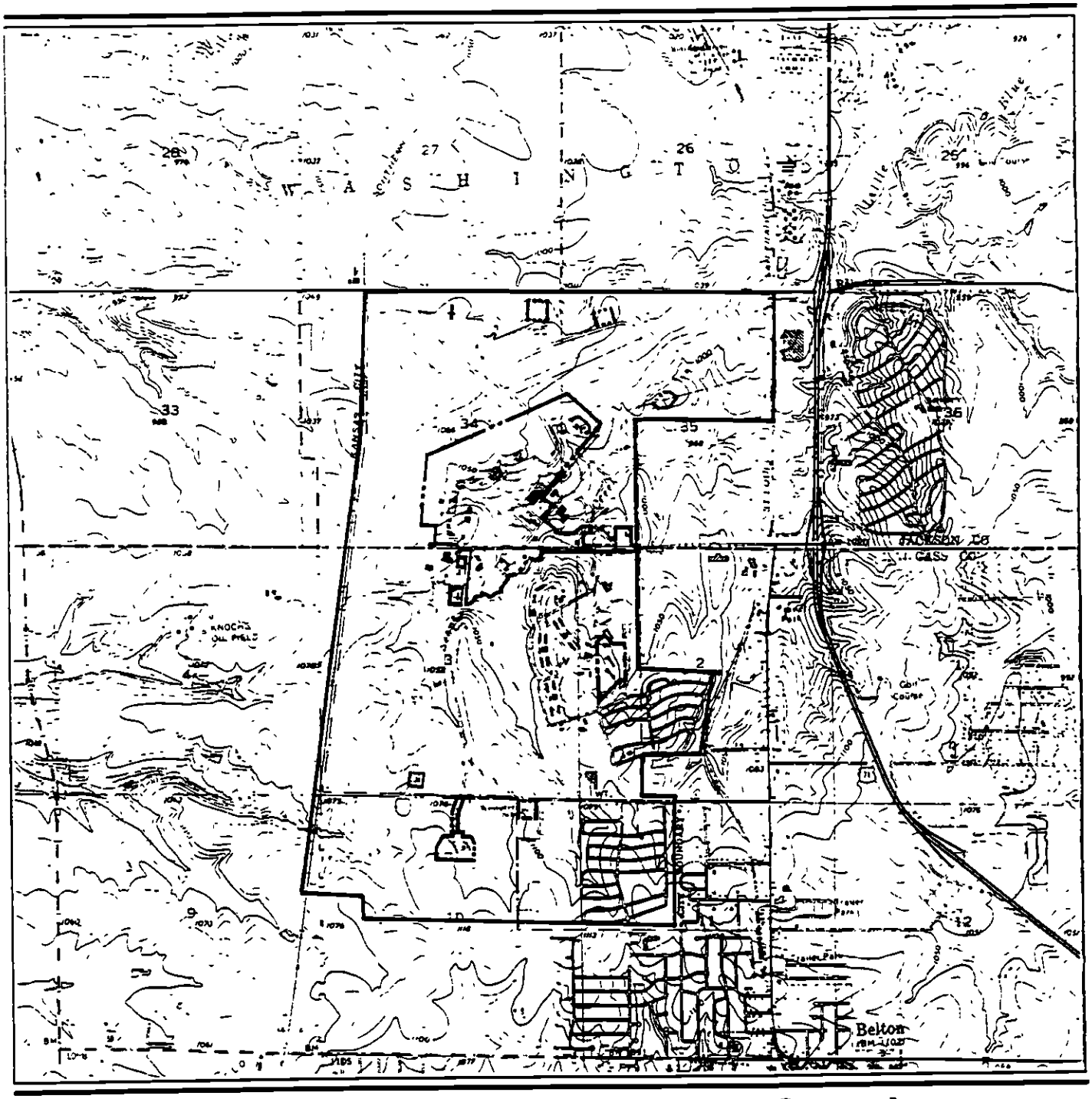
The EBS at Richards-Gebaur AFB was based on a review of information available for the visual and/or physical inspection of (1) property on Richards-Gebaur AFB, (2) property immediately off base (i.e., having a contiguous border with the base boundary), and (3) property within approximately 0.25 mile 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

Training Complex, and several non-contiguous parcels. The Belton Training Complex is 4 miles south of the Cantonment Area. The other noncontiguous parcels, which are close to the Cantonment Area, are as follows: Small Arms Range, Billeting Complex, Air Traffic Transceiver, Weapons Bunker, Gun Storage, Contracting, Non-Destructive Inspection (NDI) Laboratory, Mobile Radio Transceiver, and Fire Training Area. Figure 1-1 depicts the parcels that make up Richards-Gebaur AFB.

The area that is now Richards-Gebaur AFB was used as an airport under the control of Kansas City from 1941 to 1953, when approximately 2,400 acres were conveyed to the U.S. government for establishment of an Air Force base. In August 1985, 1,360 acres of Richards-Gebaur AFB were conveyed to Kansas City to support operation of a civilian airport. Since then, the U.S. Air Force Reserve at Richards-Gebaur AFB has conducted aviation operations at Richards-Gebaur Airport under a joint use agreement with Kansas City. The scope of this EBS includes only the property currently held by Richards-Gebaur AFB.

For purposes of this document, adjacent property is defined as those properties contiguous with the existing base boundary, and/or any property that was considered within Richards-Gebaur AFB boundaries (see Figure 1-1a and b) prior to conveyance to Kansas City.




**EXPLANATION**

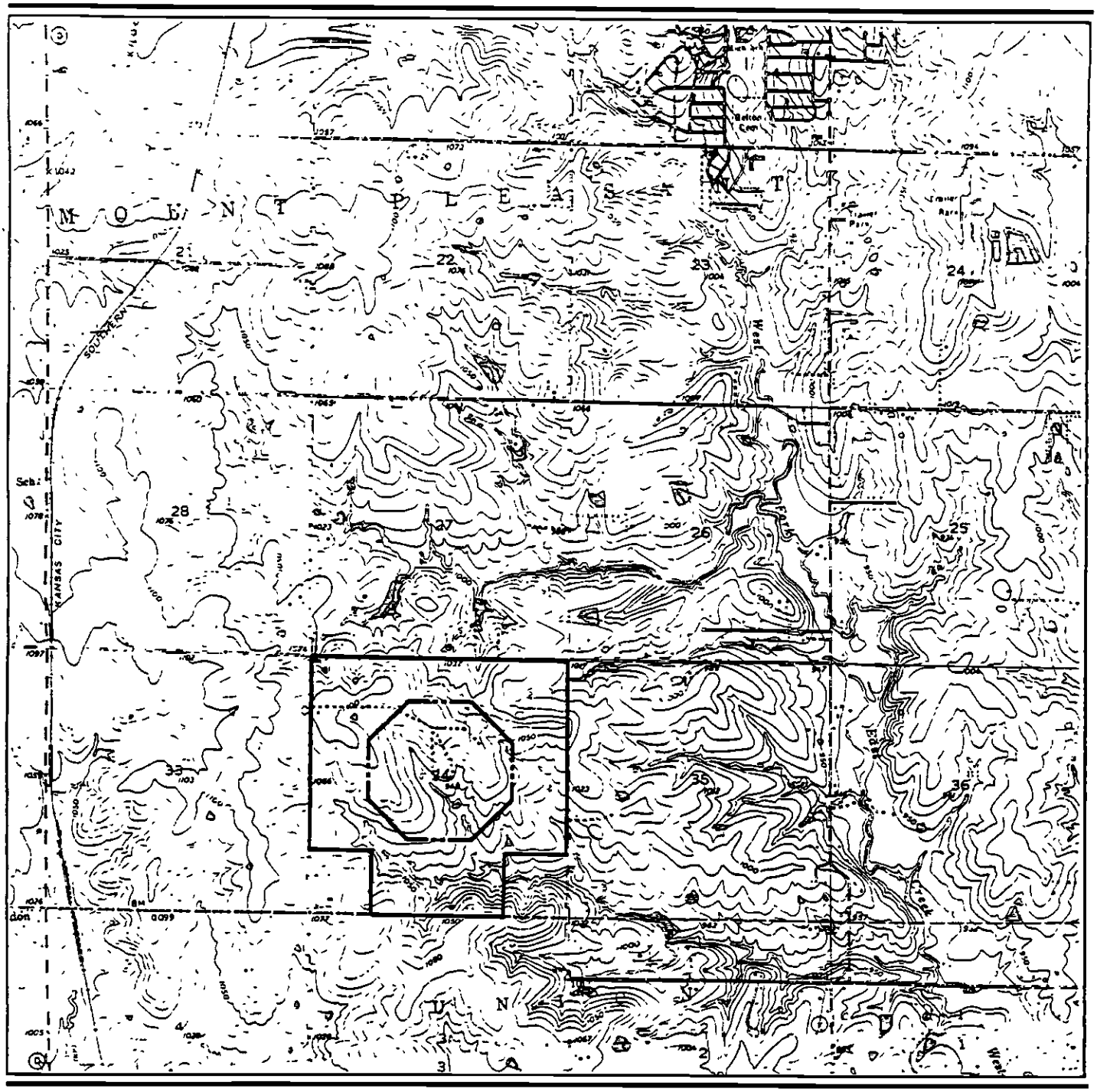
Contiguous Parcel Boundary

Base Boundary

**Survey Areas**

0 1/4 1/2 1 Mile

**Figure 1-1a**




**EXPLANATION**

Contiguous Parcel Boundary

Base Boundary

**Survey Areas**

0 1/4 1/2 1 Mile

**Figure 1-1b**


# CHAPTER 2

# 2.0 SURVEY METHODOLOGY

The methods used to conduct the EBS of Richards-Gebaur AFB are described in this chapter.

## 2.1 APPROACH AND RATIONALE

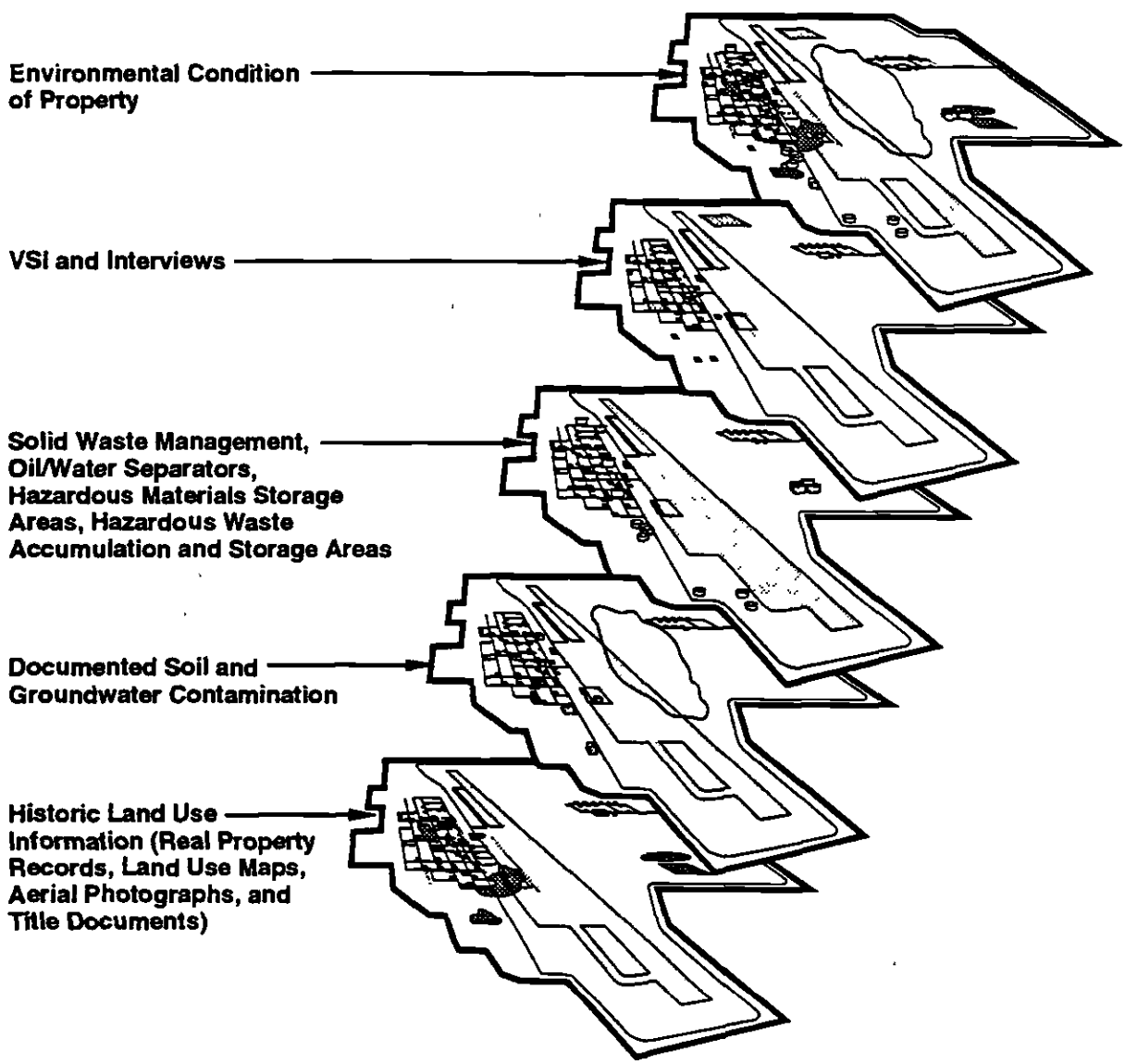
The EBS followed a methodical process in which the information available was analyzed and conclusions were drawn about the condition of the property. First, real property records, land use maps, facility drawings, and aerial photographs were reviewed to identify historical land and facility uses, a primary indicator of potential contamination. Areas of the base where industrial processes occurred; solid and hazardous wastes were stored, disposed of, or released; and hazardous materials were stored received the closest scrutiny. A review of recorded chain of title documents was also conducted to assess if any prior uses could reasonably have contributed to existing environmental concerns Next, CERCLA and Resource Conservation and Recovery Act (RCRA) studies and field investigations were reviewed to identify areas where the presence (or absence) of contamination had been confirmed. Then records from industrial shops, base supply, the fire department, the bioenvironmental engineer, environmental audits or surveys, and other federal and state agencies were reviewed to identify any other areas of concern. Types of surveys reviewed included asbestos-containing material (ACM), lead-based paint, and radon, where available (see Appendix A). Finally, past and present employees were interviewed and physical inspections of the property and facilities were conducted to identify any additional evidence of spills, stressed vegetation, i.e., anything that might indicate contamination.

The result is a collection of all available information into "layers" that, when laid over each other, provide a complete picture of the property's condition that enables the researchers to categorize the property into defined environmental condition categories and identify data gaps (Figure 2-1).

The major components of the analysis included a documents review (including interpretation of aerial photographs), inspections of on-base property, interviews with current and former personnel, and a chain of title review. Each of these components is described below. The approach for conducting the evaluation of off-base properties is presented in Chapter 4.

### 2.1.1 Description of Documents Reviewed

The records search of available documentation focused primarily on records, reports, and maps maintained by the base Engineer, the Bioenvironmental




**Resource Layer Approach**

**Figure 2-1**

Engineering technician, and the 442nc Environmental Management Office. Most of the files and records pertained to activities that have occurred since 1980.

Various studies, investigations, and inspections that consider environmental conditions at the base, including regulatory compliance issues, have been conducted by the Air Force and other federal and state agencies in the past several years. The results of these studies and investigations provided the initial baseline used in developing this EBS and are referenced throughout this document. The primary types of studies or investigations include the following:

- Installation Restoration Program (IRP) studies
- Basewide environmental and infrastructure studies
- RCRA Facility Assessments (RFAs)
- Air Force Environmental Compliance Assessment and Management Program (ECAMP) reports
- Underground storage tank (UST) investigations
- National Environmental Policy Act (NEPA) documentation
- Federal, state, and local documentation.

As part of the records search, a number of historic maps, facility drawings, and aerial photographs were reviewed and analyzed to assist in identifying past land uses and potential environmental contamination sources, and to verify other information found in the records search. Maps reviewed covered the period from 1962 to the present. The primary map resources reviewed included the Base Comprehensive Plan series (scale of 1 inch = 400 feet), the Utility Block Map series (scale of 1 inch = 50 feet), the Detailed Utilities Map ECAMP series, and design and as-built engineering drawings for specific industrial facilities (as necessary).

The types of documents and records reviewed for each environmental medium are described below. A detailed list of references used in preparing this EBS is presented in Appendix A.

Hazardous Materials/Petroleum Products Management. Activities within office areas and dormitories likely required the use of small quantities of hazardous materials, such as ammonia and other cleaning supplies. Hazardous materials usage in specific industrial facilities was determined through a review of Industrial Workplace Case Files maintained by the Bioenvironmental Engineering Services office. Specific items reviewed in

each case file included historic and current Industrial Hygiene Sampling Data forms (Air Force Form 2750), Bulk Material Sampling Data forms (Air Force Form 2751), Chronological Records of Workplace Surveillance (Air Force Form 2754), Industrial Hygiene Survey Data Sheet - General forms (Air Force Form 2758), Hazardous Materials Data forms (Air Force Form 2761), and relevant correspondence (e.g., Memoranda to the Record) contained in the files related to hazardous materials exposure. Sample forms are provided in Appendix B. Specific hazardous materials exposure incidents (e.g., spills or accidents) were noted and discussed with Bioenvironmental Engineering Services personnel.

A cumulative hazardous materials inventory was developed for each workplace based on a review of Hazardous Material Data forms listing all hazardous materials used in a particular workplace. Information on hazardous materials handling, including disposal methods, was also derived from a review of workplace case files. Information contained in these files generally covered the period from the 1980s to the present.

**Hazardous Waste/Petroleum Waste Management.** Hazardous waste disposal practices were defined based on a review of the Richards-Gebaur AFB Hazardous Waste Management Plan, hazardous waste log entries, IRP documents, and other documents contained in the base files. Information on hazardous waste collection and disposal procedures was obtained from interviews with base personnel. An inventory of locations where hazardous wastes were stored (e.g., initial accumulation points) was compiled based on a review of this information.

**IRP Sites Identified to Date.** The analysis of IRP sites consisted of a review of all Richards-Gebaur AFB IRP documents, including the Phase I, Phase II studies, Preliminary Assessments/Site Inspections (PA/SIs), Remedial Investigations (RIs), and Decision Documents. Base files related to the IRP were also reviewed and interviews were conducted with base personnel responsible for implementing IRP activities.

**Storage Tanks.** An inventory of existing and historic aboveground storage tanks (ASTs) and USTs and associated piping was compiled from various sources. Sources included IRP reports, UST data sheets, Real Property Accountable Records, facility drawings, Air Force Forms 2751, and base maps. Additional information was obtained through interviews with knowledgeable personnel and visual site inspections (VSIs).

**Oil/Water Separators (OWSs).** An inventory of existing and historic OWSs was compiled. The sources of information on OWSs are identical to those used for storage tanks, because OWSs are regulated as USTs in Missouri and must conform to all UST technical standards.

Pesticides. For purposes of this document, pesticides include herbicides, fungicides, insecticides, and rodenticides. Information on pesticide use was obtained by contacting the private contractor responsible for pesticide management at Richards-Gebaur AFB.

Medical/Biohazardous Waste. Information on the generation and disposal of medical/biohazardous waste was obtained from the Bioenvironmental Engineering Services office, and from documents in the base files.

Ordnance. Interviews, a records search of Civil Engineering files, and VSIs have been used to determine sites on base where the disposal of ordnance may have resulted in residual soil contamination. Sites on the base where the use of firearms may have resulted in potential lead contamination were identified through a review of historic and current real property records, the Firing Range Phase II report, installation maps, and VSIs.

Wastewater Discharges. A review of the base files and various published documents was conducted to determine wastewater treatment and disposal practices on the base. Currently, all sanitary wastewater generated on Richards-Gebaur AFB is discharged to the Little Blue Valley Sewer District.

In addition to the sanitary sewer system, the base has three septic tank systems with leach fields. An inventory of historic and existing septic tank systems was compiled from a review of current and historic Sanitary Sewer System maps, the Utility Block Map series, the Real Property Accountable Records, other historic maps and facility-specific drawings, and various listings and documentation contained in the base files.

Radioactive and Mixed Wastes. Information on radioactive materials and mixed waste was obtained from the IRP documents, the Real Property Accountable Records, and the base Engineer and Bioenvironmental Engineering files.

Solid Waste. Richards-Gebaur AFB currently has no active on-base landfills. Information on current and past solid waste disposal practices was obtained from the local solid waste collection agencies.

Asbestos. Information on facilities with ACM at Richards-Gebaur AFB was obtained from the 1987 Asbestos Assessment Study. Additional ACM information was found in the Real Property Accountable Records.

Polychlorinated Biphenyls (PCBs). Information on PCB-containing equipment on the base was obtained from the base personnel at Civil Engineering, and from various documents in the base files.

Radon. Because there is no family housing at Richards-Gebaur AFB, no radon studies have been conducted. Results of radon studies conducted by the Missouri Bureau of Environmental Health were obtained.

Lead-Based Paint. Real Property Accountable records were reviewed to identify facilities constructed prior to or during 1978, which may potentially contain lead-based paint.

### 2.1.2 Inspection of Properties Conducted

Visual reconnaissance surveys (VRSs) and VSIs were performed during the EBS analysis. General VRSs were conducted over large areas of the base to identify areas with potential environmental contamination or concerns. For some areas of the base, the VRSs consisted of only a windshield survey. More focused VSIs, involving exterior and interior (walk-through) inspections, were conducted at most facilities on the base, including all industrial facilities, to identify readily apparent concerns or attributes.

The VSIs of most facilities on the base were conducted to determine or confirm the presence of environmental contamination or concerns, including unusual odors, stained soils, stressed vegetation, leachate seeps, or other indications of potential contamination (See Table 5-1). VSIs were conducted for all industrial facilities and most administrative and community (including commercial) facilities. Each facility was evaluated for unique characteristics and potential environmental concerns. The base Real Property Accountable Records (Air Force Forms 1430-1433) were reviewed to identify specific facility characteristics, such as construction materials, utility hookups, renovations, changes in facility utilization, and distinctive features (e.g., emergency electric power generators or storage tanks). More detailed inspections were conducted at those facilities that had been used for industrial purposes or that included specific features such as storage tanks, OWSs, septic tanks, or IRP sites. For many of the administrative and community facilities, only a general walk-through of each facility was conducted.

A list of facilities on base summarizing key characteristics and facility-specific environmental information is presented in Table 5-1. A copy of the form used during the VSIs is presented in Appendix B.

For those facilities that contain industrial workplaces tracked by the Bioenvironmental Engineering Services office, a summary of workplace environmental data related to hazardous material use was compiled based on a review of the industrial workplace case files. Some facilities contain multiple industrial workplaces. The summary of workplace environmental data includes a cumulative inventory list of the hazardous materials known to have been used in each facility based on available documentation (Appendix C).

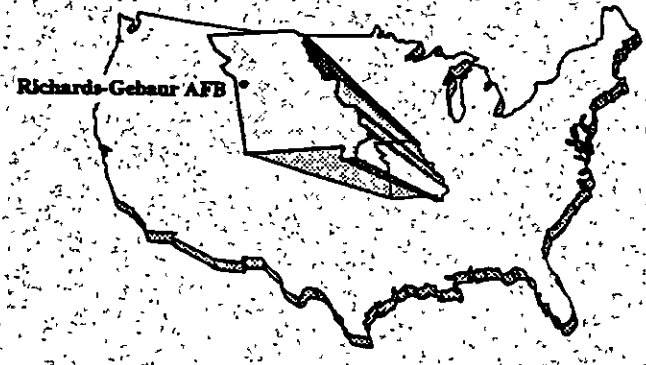
### 2.1.3 Personnel Interviews

Primary contacts made during the conduct of the EBS were with personnel from the base civil engineer, the 442nd Bioenvironmental Engineering office, Intelcom Services, and 442nd Environmental Management. Principal Civil Engineering contacts were made with Environmental and Real Estate personnel; contact was also made with the Fire Department and Operations personnel. Personnel from the Supply Squadron and Liquid Fuels maintenance were also contacted.

During the records search and VSIs, interviews were conducted with base personnel to identify potential environmental concerns related to recent and historic operations at Richards-Gebaur AFB and to verify information found in the records search. A list of personnel interviewed is provided in Table 2-1. In addition to those personnel listed in the table, many other technicians, including facility managers, were interviewed.

Table 2-1. Personnel Interviewed

| Organization | Interviewed |
|---|---|
| 442nd Logistics Group | |
| Support Squadron | 1 Civilian |
| Maintenance Squadron | 3 Senior Master Sergeants, 1 Technical Sergeant, 1 Master Sergeant, 1 Civilian |
| 442nd Medical Group | |
| Medical Group/Environmental Health | 3 Civilians |
| 442nd Operations Group | |
| Operation Support Squadron | 2 Civilians |
| 442nd Support Group | |
| Civil Engineering Squadron | 3 Civilians, 1 Captain |
| Security Police Squadron | 2 Civilians, 1 Master Sergeant |
| Services Squadron | 6 Civilians |
| Communications Squadron | 4 Civilians |
| 442nd MWR | 2 Civilians |




# CHAPTER 3

# 3.0 FINDINGS FOR BASE PROPERTY

This chapter of the EBS presents the findings of the records search, VSI, and personnel interviews for on-base properties. Section 3.1 provides a history of the base, while Section 3.2 gives a description of the environmental setting of the base, including utilities. Sections 3.3 and 3.4 describe resource findings and conclusions. Overall property categorization is presented in Chapter 5. Resources within Section 3.4 are disclosure issues only and are not used in property categorization.

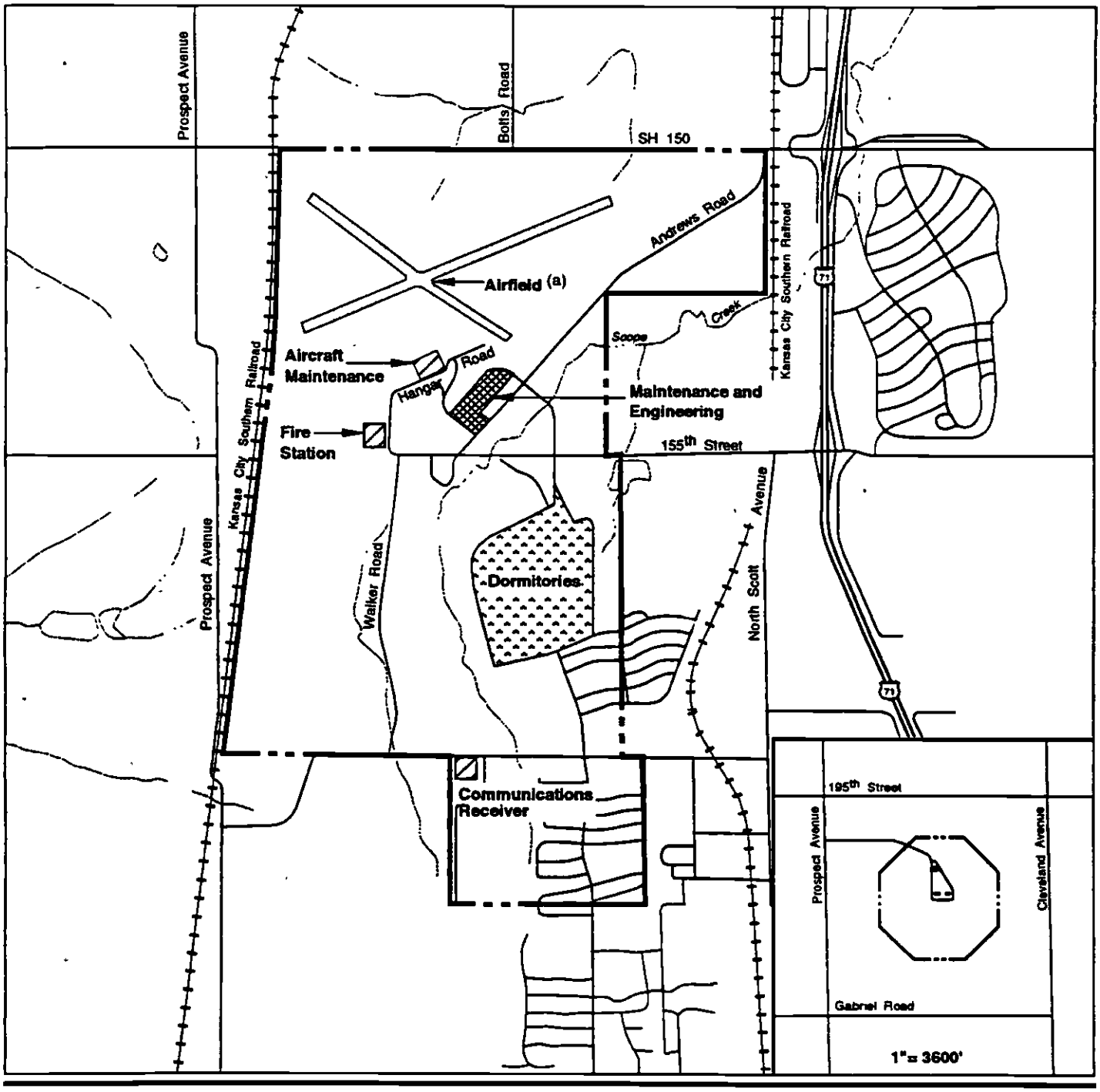
Based on a review of existing documentation and/or the VSI, some sites were identified as potentially requiring remediation. If necessary, remediation of sites not currently undergoing restoration will be accomplished as part of the IRP or other environmental programs.

The data within each resource have been organized into tables, which are provided after Section 3.4.4. The Resource Map is provided as Figure 5-1 in Section 5.3. The data listed in the tables and shown on the resource map are based on information obtained from Richards-Gebaur AFB during the records search and VSI. Because historic data were incomplete, data gaps are shown as unknown or are footnoted at the bottom of the tables.

## 3.1 HISTORY AND CURRENT USAGE

The area now known as Richards-Gebaur AFB was initially acquired by Kansas City in 1941 as an auxiliary airport and was named Grandview Airport. In 1952, the Air Force leased Grandview Airport from Kansas City for the location of the Central Air Defense Command headquarters. In 1953 the property was formally conveyed to the U.S. government, and in 1955 the site became Grandview AFB. The base was renamed in 1957 to honor First Lieutenant John F. Richards II, who died in combat in World War I, and Lieutenant Colonel Arthur W. Gebaur, Jr., who was killed during the Korean War. Both pilots were natives of Kansas City.

Prior to 1941, the Richards-Gebaur AFB area consisted of farmland. Grandview Airport was leased to the Air Force with some development, but the Air Force built the majority of the buildings and pavement. Major land uses associated with Grandview AFB in 1955 included the airfield, which may have included only the cross-wind runways; aviation support areas, which consisted of a mobile radio transceiver, aircraft maintenance hangar, and the fire station; a maintenance and engineering area, and a billeting complex (Figure 3-1).




**EXPLANATION**

- Airfield
- Aviation Support
- Industrial
- Institutional (Medical) (b)
- Institutional (Education) (b)
- Commercial (b)
- Residential
- Public/Recreation (b)
- Agriculture (b)
- Vacant Land
- Base Boundary

0 625 1250 2500 Feet

(a) Assumed position and layout.
(b) Standard land use designation not applicable to this figure.

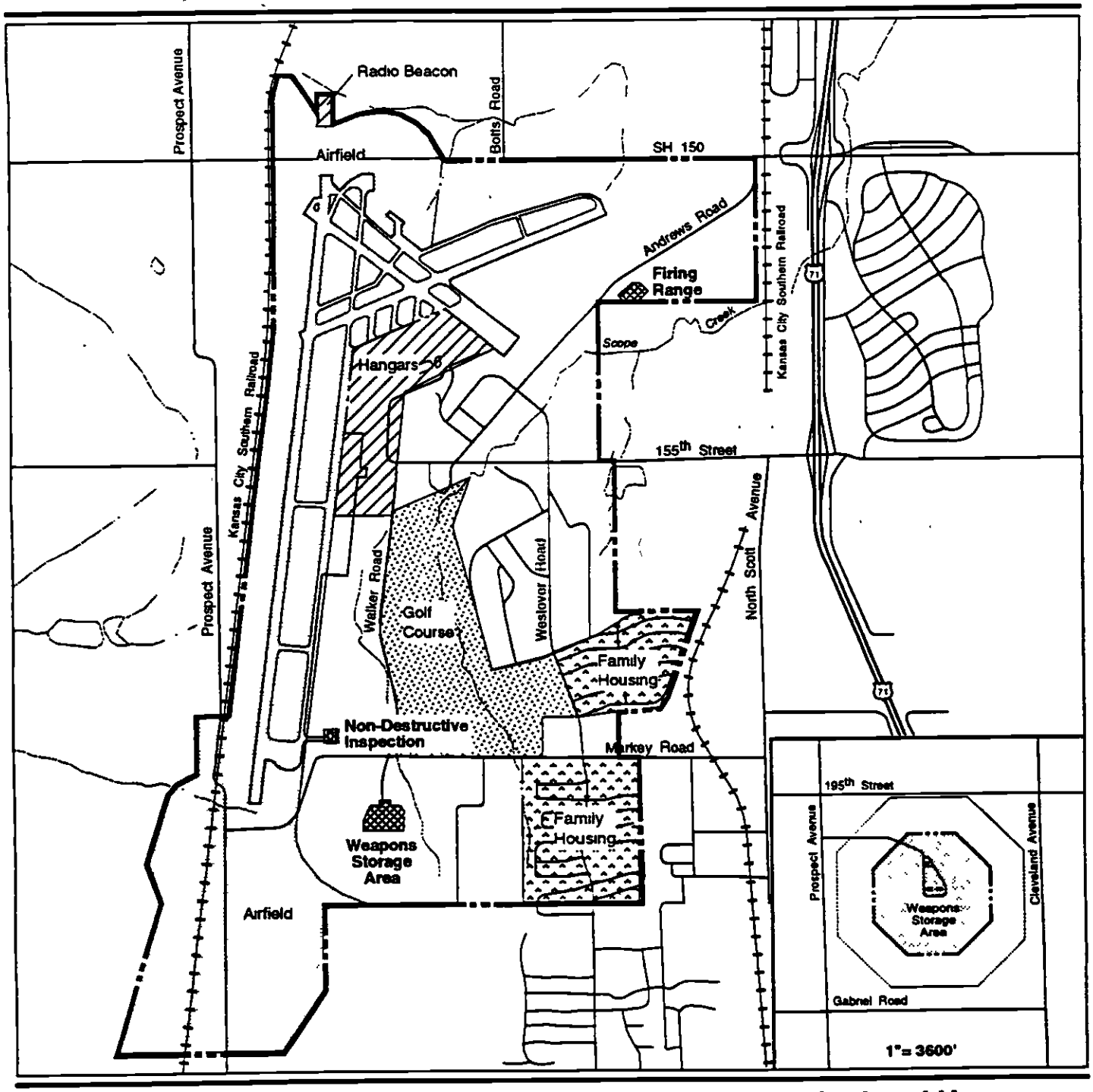
## Major Land Use (1955)

**Figure 3-1**

In the late 1950s and early 1960s, the Air Force purchased additional property adjacent to the base to lengthen the primary runway and develop family housing areas. Flightline facilities were built and a golf course was developed in 1962. Major land use changes during this time included the enlarged airfield land use; adjacent hangars and aircraft maintenance facilities; industrial land uses associated with a small weapons bunker and NDI laboratory adjacent to the airfield, and the larger storage annex south of the base; and a small arms range in the northeast portion of the base (Figure 3-2). The family housing units were added in 1959 and 1960. At about the same time, the Air Force also purchased a site in the center of an undeveloped section 4 miles south of the base in Cass County, and an associated 287-acre safety easement for weapon storage.

Richards-Gebaur AFB remained an Air Defense Command base until 1970, when the Air Force Communications Command relocated its headquarters from Scott AFB, Illinois to Richards-Gebaur AFB. In 1977, the Air Force Communications Command returned to Scott AFB, and the Military Airlift Command assumed control of the base. The area now known as the Belton Training Complex was made into a drop zone for training, retaining the safety easement. Between 1977 and 1979, the number of active duty military and civilian personnel at Richards-Gebaur AFB was drastically reduced, with the majority of the operations support functions performed by civilian contractors. In August 1985, 1,360 acres of Richards-Gebaur AFB, including the airfield, were conveyed to Kansas City, and this property was named Richards-Gebaur Airport. The Air Force retained approximately 428 acres in 11 parcels, as well as a 106-acre easement surrounding the Weapons Bunker southeast of the airfield and a 20-acre area associated with the Small Arms Range. Since that time, the U.S. Air Force Reserve has operated at the Richards-Gebaur Airport under a joint use agreement with the Kansas City Aviation Department.

Few changes have occurred on base since 1985. The 1993 land uses include aviation support areas associated with aircraft maintenance and storage hangars and the Mobile Radio Transceiver and Air Traffic Transceiver; and industrial areas, including the Small Arms Range, Weapons Bunker, Fire Training Area, and an expanded engineering and maintenance area within the Cantonment Area (Figure 3-3). In addition, there are institutional (medical) land uses associated with medical supply and training functions, and institutional (education) land uses associated with the drop zone or Belton Training Complex. Other land uses include commercial office and retail areas within the Cantonment Area, residential areas associated with remaining dormitories, public/recreation areas associated with ball fields, and open space along Scope Creek. The rest of the base areas are undeveloped.




**EXPLANATION**

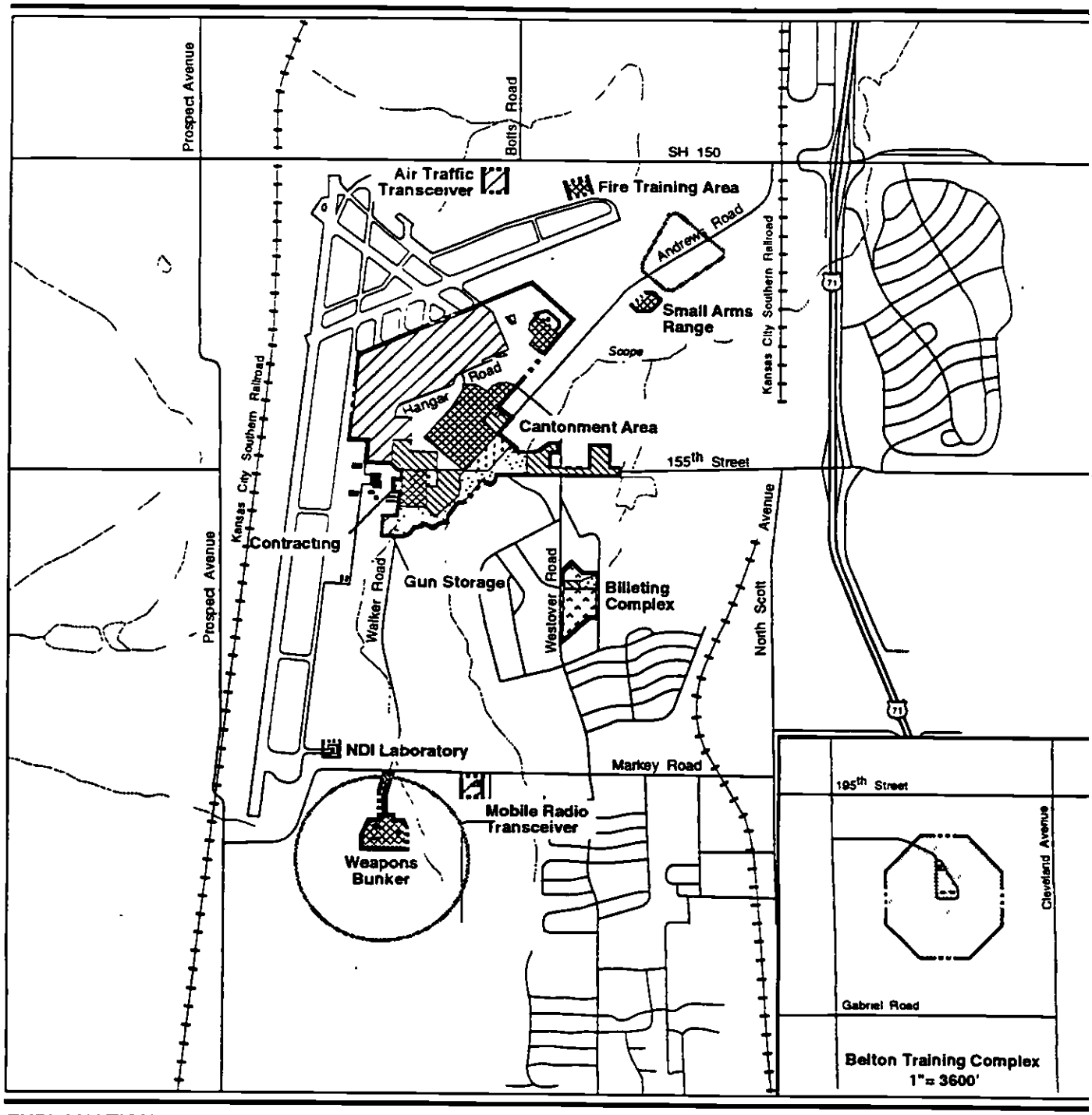
- Airfield
- Aviation Support
- Industrial
- Institutional (Medical) (a)
- Institutional (Education) (a)
- Commercial (a)
- Residential
- Public/Recreation
- Agriculture
- Vacant Land
- Base Boundary
- Easement

0 625 1250 2500 Feet

(a) Standard land use designation not applicable to this figure

# Major Land Use Changes (1966)

**Figure 3-2**




**EXPLANATION**

- Airfield (a)
- Aviation Support
- Industrial
- Institutional (Medical)
- Institutional (Education) (a)
- Commercial
- Residential
- Public/Recreation
- Agriculture
- Vacant Land
- Base Boundary
- Easement

0 625 1250 2500 Feet

(a) Standard land use designation not applicable to this figure

## 1993 Land Use

**Figure 3-3**

The area that now comprises Richards-Gebaur AFB includes property acquired by fee purchase or Declaration of Taking between 1941 and 1960. Three parcels were excessed by the Air Force between 1974 and 1979.

A recorded chain of title search was conducted for on-base parcels to determine prior ownership or uses that could reasonably have contributed to an environmental concern. A review of the data obtained from the title search did not identify any areas of environmental concern related to past property usage. The title search included ownership of parcels from June 1933 through June 1993. These parcels are described in Appendix D.

Historical facility usage at the base was also researched. Facilities that were converted to accommodate different uses, as well as facilities that have been demolished, are listed in Appendix E.

## 3.2 ENVIRONMENTAL SETTING

Richards-Gebaur AFB is in west-central Missouri, approximately 3 miles from the Kansas state line (see Figure 1-1). The base property is divided by the Jackson and Cass County line, running east-west. The base is surrounded by Kansas City. To the northeast is the city of Grandview, and to the east and south, in Cass County, is the city of Belton.

Richards-Gebaur AFB encompasses approximately 428 acres. Air Force property consists of a Cantonment Area and ten non-contiguous parcels. Two of these parcels are located in the City of Belton, and the Belton Training Complex is located in an unincorporated area of Cass County approximately 4 miles south of the base. The remaining outlying sites are located within the City of Kansas City, near the Cantonment Area.

The topography of the area consists of rolling hills with elevations varying from 960 to 1,125 feet above mean sea level. The base is situated on the south-central portion of a broad plateau known as the Blue Ridge.

West-central Missouri exhibits a modified continental climate with rapid weather changes. Mean monthly temperatures range from 26 degrees Fahrenheit (°F) in January to 78°F in July, with an average annual temperature of 54°F. Precipitation in the area averages about 37 inches, with the majority falling in the late spring and early summer and again in the early fall. Tornados and thunderstorms are common in the spring and summer.

The utilities provided to Richards-Gebaur AFB are briefly described below.

Water Supply. The Kansas City Water and Pollution Control Department provides water to Richards-Gebaur AFB via two water mains that feed from Missouri Highway (M-)150 and Botts Road to the northern edge of the

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.

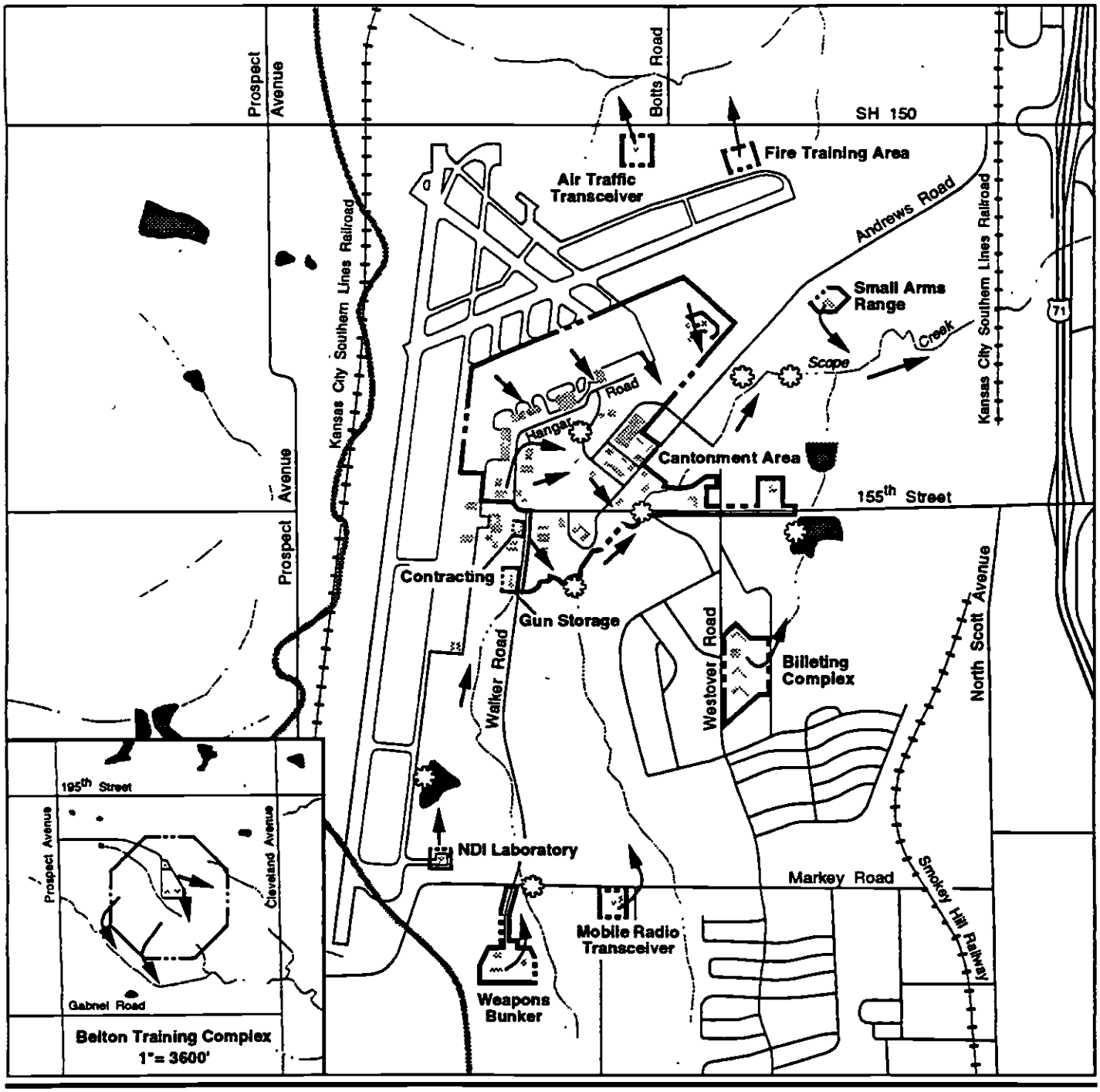
To minimize contaminants entering the storm drainage or sanitary sewer systems, the base has a separate industrial waste sewer that serves some maintenance facilities and the flightline area. The effluent is held in a detention reservoir (Facility 943) and passed through an OWS prior to being discharged 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
- Surface Impoundment
- Water Quality Sampling Location
- Surface Flow Direction (Approximate)
- Intermittent Stream
- Base Boundary

0 500 1000 2000 Feet

## Surface Hydrology

**Figure 3-4**

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

quantities) for facilities where these substances are known to have been stored (Table C-1).

Of the 13 facilities on base for which data on storage of hazardous materials was available, 9 stored more than 1,000 kilograms (kg), or the substance's CERCLA-reportable quantity (Table C-2). Based on the usage of a facility or on information obtained during the VSIs, it was determined that hazardous materials were also stored at 22 other facilities, although complete data on types and quantities of materials stored or used at these facilities were not available. Figure 5-1 shows the locations of facilities where hazardous materials were stored. All facilities where hazardous materials were used or stored and the specific resource categories for these facilities are listed in Table 5-1.

Based upon the methodology presented in Chapter 2, no evidence of a release occurring was identified at any of the facilities; therefore, all 13 are considered Category 2. Any release potentially above action levels, resulting in a possible site inspection or remedial action, is discussed within Hazardous Waste.Petroleum Waste Management or IRP Sites Identified to Date (Sections 3.3.1.2 and 3.3.2, respectively). Petroleum products are discussed in Section 3.3.3.

### 3.3.1.2 Hazardous Waste/Petroleum Waste Management

The following discussion relates to management practices and facilities used pursuant to the requirements of RCRA (40 Code of Federal Regulations [CFR] 261-265, enacted in 1978). Waste management practices in use prior to RCRA's requirements are, to the extent that they caused or contributed to environmental contamination, primarily the subject of the Air Force's IRP. Hazardous wastes generated at Richards-Gebaur AFB include solvents, POL, fuel wastes, photochemical wastes, batteries, asbestos waste, PCB spills, and wastes generated from site remediation. The state of Missouri also regulates waste oil as a hazardous waste under 10 Code of State Regulations (CSR) 25-11.010. Base records were reviewed to identify quantities and types of hazardous wastes generated or stored in base facilities. Hazardous wastes and/or petroleum wastes were stored or generated at 25 facilities on base. An historical overview of accumulation points and types of wastes stored at Richards-Gebaur AFB is provided in Table 3-1. Appendix F gives historical data on hazardous waste generated by facility. Figure 5-1 shows the locations of facilities in which hazardous wastes were generated or stored.

The base Environmental Engineer is responsible for hazardous waste management at Richards-Gebaur AFB. Richards-Gebaur AFB is a small-quantity generator (less than 1,000 kg per month) and stores hazardous waste at 21 designated accumulation points. Currently, there are 20 Initial Accumulation Points (IAPs) and one central hazardous waste storage facility

on base (Facility 973). Hazardous wastes can be stored in the IAPs in amounts up to a maximum of 55 gallons for up to 1 year from the start of accumulation. After one of these criteria is met, the hazardous waste is transferred to Facility 973, where it is held pending off-base disposal. Richards-Gebaur AFB disposes of hazardous waste in cooperation with the Defense Reutilization and Marketing Office (DRMO), located at Whiteman AFB, Missouri. DRMO arranges for a licensed contractor to remove hazardous waste off base to a treatment, storage, and disposal (TSD)-permitted treatment facility or to a TSD-permitted landfill. Hazardous waste is shipped off base in compliance with Missouri Department of Natural Resources (MDNR) and RCRA regulations; shipments and pertinent paperwork are regularly inspected by DRMO for conformity with applicable regulations. Upon base closure all accumulation points will be closed in accordance with federal, state, and local regulations. Facility 973 will be closed in accordance with RCRA guidelines.

A review of aerial photographs identified a number of areas at Richards-Gebaur AFB where a VRS should be conducted. Upon completion of the area VRSs, one site located in a wooded area directly north of the POL tank farm was recommended for further investigation to determine the presence or absence of contamination. The site is a former dump site that contains construction rubble, lumber, and general refuse deposited among the trees.

All facilities that generated or stored hazardous wastes were physically inspected in April 1993. Areas of potential environmental contamination found are described below:

- A large POL surface stain entering a site drainage ditch was noted west of Facility 704 along the fenceline.
- Several stained areas associated with equipment and oil drum storage were noted at Facility 924.
- Minor to moderate staining was noted inside Facility 918, and an area of stressed vegetation was identified just north of the facility.
- At Facility 965, three areas of potential contamination were noted: moderate petroleum stains inside the mechanical room, which continued to the building exterior; an area of stressed vegetation near the southwest corner of the building; and an area of stressed vegetation east of Facility 965.

A VSI of the Belton Training Complex discovered several areas with debris including 55-gallon drums, old car batteries, lumber, a 250-gallon AST, and tires. Additionally, records review indicated that a blasting area and a demolition pit were present at the Complex. Results of the VSI are described below.

- Miscellaneous debris was found scattered along approximately 300 to 400 feet of a stream channel in the northeast portion of the Belton Training Complex. The debris included lumber, tires, several car batteries (one with a broken casing), construction debris, empty 30- and 55-gallon drums, empty flare canisters, empty rocket pods (labeled inert), and various other materials. There was some water flowing in the stream as a result of recent rains. A "Demolition Pit" was labeled on a 1967 C-1 Tab map (Base Plan) and appears to be located within the stream channel; however, no signs of this pit were identified.

- An area designated as the "Training and Burning Area" (C-1 Tab map, 1967) is a circular area approximately 200 feet in diameter on a slight north-facing slope. This area, which is highly eroded through the center and on the north (downhill side), is located along and drains into the stream channel in the northeast portion of the Complex. The area contained two piles of burned ammunition; each pile is approximately 3 feet in diameter and estimated to be 2 to 3 inches deep. These piles contained mostly rifle rounds.

- An area designated as a "Blasting Area" (C-1 Tab, 1967) was inspected, and no evidence of blasting was identified; the area was heavily vegetated.

- A stone cistern was discovered along an active stream bed on the Belton Training Complex/easement property line approximately 400 feet south of the access road. The cistern was estimated to be 6 feet in diameter and 3 feet deep and was likely used to provide water for cattle.

A project is in progress to determine the extent of mercury contamination in the plumbing of Facility 604 (former dental/medical office), which has been closed by the Bioenvironmental Engineering Branch due to health concerns, and the interior was not visually inspected.

Based upon the methodology presented in Chapter 2, no evidence of a release occurring was identified at 22 of the facilities where hazardous waste has been stored or generated; therefore, these facilities are considered Category 2. At the other three facilities, staining and/or stressed vegetation was noted during the VSI, and these facilities are considered Category 7. Specific resource categories for facilities where hazardous wastes were stored or generated are listed in Table 5-1. Petroleum products are discussed in Section 3.3.3.

### 3.3.2 IRP Sites Identified to Date

The IRP was established to identify, characterize, and remediate CERCLA-related contamination on Air Force installations. The program is designed to

evaluate past disposal sites, control the migration of contaminants, and control potential hazards to human health and the environment.

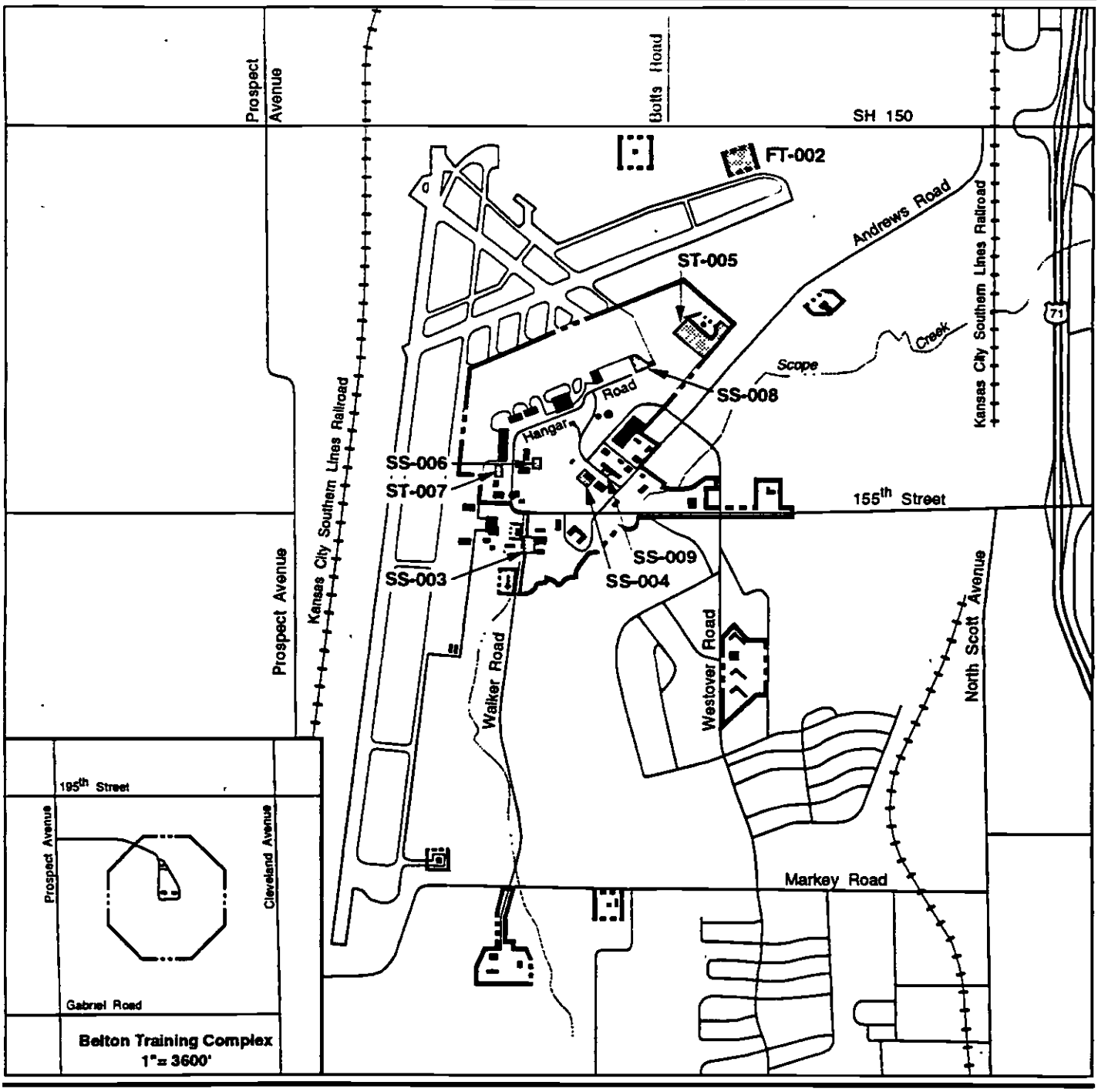
The IRP at Richards-Gebaur AFB was initiated in 1983. Since that time, eight sites of past contamination have been identified. The locations of the eight IRP sites are shown in Figures 3-5 and 5-1. A brief description of each site is presented in Table 3-2.

The 1983 Phase I Records Search identified nine potential disposal sites. Of these, seven were on property that was transferred from the Air Force in 1981; the U.S. Army Corps of Engineers has responsibility for remediation of these sites (see Table 4-5). The other two sites (FT-002, a former fire training area, and SS-003, an oil saturated area) are on Air Force property and are part of the continuing IRP at Richards-Gebaur AFB. The Phase I Records Search found no evidence to indicate the presence of contamination at the Belton Training Complex or migration of contamination onto off-base property.

Phase II studies in 1988 identified one additional site (SS-004, a hazardous waste drum storage area). A 1990 Site Inspection (SI) identified Site ST-005 (the POL Storage Yard) and Site SS-006 (Facility 927, a hazardous material storage area). Site ST-007 (USTs at Facility 902) was discovered in 1988 at the time of a UST removal project. Sites SS-008 (the test cell area) and SS-009 (the fire valve area) were identified during soil excavation projects in 1991 and 1992, respectively.

No Further Action Planned Decision Documents have been submitted to MDNR and the U.S. Environmental Protection Agency (U.S. EPA) for sites SS-003, SS-004, and ST-007, and the base is awaiting comments or concurrence on these three sites. A No Further Action With Deed Restriction Decision Document was filed for Site FT-002 in 1990, but it was rejected by MDNR and U.S. EPA. A 1992 RI detected no groundwater contamination, and no further action for groundwater is recommended at FT-002. Remedial action consisting of landfarming is anticipated at Site ST-005, which is in the Remedial Design stage. An interim removal action has taken place at Site SS-006. An SI at Site SS-008 has been completed and a final report is anticipated in the near future. Site SS-009 was identified in 1992 during a trenching operation to repair a water line. Contaminated soil from an unconfirmed source was identified; no further information is available.

In addition to the mandates of the IRP, prior to the transfer of any property at Richards-Gebaur AFB, the Air Force must also comply with the provisions of CERCLA Section 120(h). CERCLA Section 120(h) requires that, before property can be transferred from federal ownership, the United States must provide notice of specific hazardous waste activities on the property and include in the deed a covenant warranting that "all remedial action necessary




**EXPLANATION**

IRP Sites

Base Boundary

**IRP Sites**

| Site No. | Site Name |
|---|---|
| FT-002 | North Burn Pit |
| SS-003 | Oil Saturated Area |
| SS-004 | Hazardous Waste Drum Storage |
| ST-005 | POL Storage Yard |
| SS-006 | Hazardous Material Storage Building 927 |
| ST-007 | Underground Storage Tanks |
| SS-008 | Test Cell Area |
| SS-009 | Fire Valve Area |

0 500 1000 2000 Feet

## Installation Restoration Program Sites

**Figure 3-5**

to protect human health and the environment with respect to any [hazardous] substance remaining on the property has been taken before the date of such transfer." Furthermore, the covenant must also warrant that "any additional remedial action found to be necessary after the date of such transfer shall be conducted by the United States."

Eight IRP sites have been identified at Richards-Gebaur AFB. Contamination has been confirmed at six of the sites; investigations are ongoing at the other two. Interim remedial actions have been taken at four of the sites (SS-003, SS-004, SS-006, and SS-007) where contamination has been confirmed, and a remedial investigation for soils is in progress at another (FT-002). These five sites are therefore considered Category 5. At ST-005, a remedial action for confirmed contamination has been selected but not yet implemented, so that site is considered Category 6. Further investigation is planned at Sites SS-008 and SS-009, and they are considered Category 7. Specific resource categories for IRP sites are presented in Table 3-2.

### 3.3.3 Storage Tanks

The following sections describe the findings for ASTs, USTs, and OWSs based on the records search and VSI. An overview of pipelines, hydrant fueling, and transfer systems is also provided.

#### 3.3.3.1 Aboveground Storage Tanks

There have been 36 ASTs used at Richards-Gebaur AFB. Table 3-3 summarizes the history of ASTs at Richards-Gebaur AFB, and Figure 5-1 shows their locations.

Based upon the methodology presented in Chapter 2, no evidence of a release occurring was identified for 32 of the ASTs; therefore, they are considered Category 2. During the VSI, staining was noted at two ASTs, but it is likely that releases were of *de minimis* quantities and affected soil was below action levels, and the ASTs are considered Category 3. No documentation of tank integrity (e.g., testing results) is available for one AST in the POL storage yard (IRP Site ST-005), and the AST at the Fire Training Area has been identified, but not confirmed, as a possible source of contamination at IRP Site FT-002. Therefore, both of these ASTs are considered Category 7.

#### 3.3.3.2 Underground Storage Tanks

Table 3-4 summarizes the history and status of the 33 USTs at Richards-Gebaur AFB, and Figure 5-1 shows their locations.

Contamination has been confirmed at four USTs, which are being investigated and remediated under the IRP; these USTs are considered

Category 5 and are discussed under Section 3.3.2, IRP Sites Identified To Date. The remaining 29 USTs have not yet been closed in accordance with MDNR guidelines, and are therefore considered Category 7. Specific resource categories for USTs are presented in Table 3-4, and their locations are shown on Figure 5-1.

#### 3.3.3.3 Pipelines, Hydrant Fueling, and Transfer Systems

Richards-Gebaur AFB operates a POL Storage Yard and formerly operated two hydrant fuel systems.

The POL Storage Yard consists of bulk fuel ASTs, and two fuel pumphouses and truck fueling/defueling platforms. The bulk fuel ASTs are as follows: Facility 954 is an inactive 260,000-gallon heating oil AST; Facility 955 is an active 187,000-gallon AST that holds jet propulsion fuel, grade 4 (JP-4); Facility 957 is an active 210,000-gallon JP-4 AST; and Facility 9610 consists of one inactive 10,000-gallon motor gasoline (MOGAS) AST and one inactive 10,000-gallon diesel AST. Facilities 951 and 953 are inactive fuel pumphouses. The entire POL Storage Yard is currently being investigated under the IRP as Site ST-005.

The two hydrant fuel systems consisted of steel lines extending from the POL Storage Yard to the flightline. One system transported aviation gasoline and later JP-4 fuel from a now inactive pumphouse (on property now owned by Kansas City) to Facility 941, a truck fuel stand approximately 1,200 feet away. This system began operating in 1954, and has been inactive for an unknown period of time. The second system, constructed in 1954, transported JP-4 fuel through approximately 3,400 feet of pipe from Facility 953 to Facility 902, which provided fuel to six fuel pits on the flightline. This system was deactivated in 1971 and demolished in 1988, and the fuel pits were paved over with concrete. At that time, four 50,000-gallon USTs were removed and contamination was identified. Facility 902 is being investigated under the IRP as Site ST-007. The pipelines for both hydrant systems are currently being investigated to determine if there have been any leaks or subsurface contamination and may require further investigation.

The POL Storage Yard (ST-005) and USTs at Facility 902 (ST-007) will be remediated under the IRP (see Section 3.3.2). The two hydrant lines are being investigated to determine pipe integrity and possible fuel contamination, and are considered Category 7.

### 3.3.4 Oil/Water Separator Systems

OWSs are flow-through systems designed to separate oil, fuel, and grease from water. Other contaminants potentially present in water discharged to an OWS, such as solvents, cannot be removed by this process. Water from an OWS typically discharges to an industrial or sanitary sewer. At Richards-

Gebaur AFB, 33 OWSs have been identified. Specific resource categories and histories of the OWSs are listed in Table 3-5; Figure 5-1 shows their locations. All active OWSs are being replaced with aboveground vaulted OWSs that will be regulated as ASTs. OWSs that were underground systems are regulated as USTs and will be closed in accordance with MDNR guidelines for USTs. Ten vaulted, aboveground OWSs were installed in October and November 1993 and are considered Category 2. The areas where two other aboveground OWSs were removed were inspected during the VSI and no evidence of a release was noted; therefore, these two OWSs are also considered Category 2. The remaining 21 OWSs have not yet been closed in accordance with MDNR guidelines for USTs and are therefore considered Category 7.

### 3.3.5 Pesticides

Pesticide management at Richards-Gebaur AFB is accomplished by a private contractor under the oversight of the base contracting office and the Civil Engineering office. No bulk pesticides are stored or mixed on site, and no equipment is cleaned at Richards-Gebaur AFB. Household pests are controlled by spraying buildings with the synthetic insecticides Dursban Lo, Orthene, and Commodore. Wood-destroying insects (termites) are controlled by applying Demon in the soil surrounding each facility at depths of 12 to 14 inches. All of these pesticides are synthetic chemicals designed to be short-lived in the environment. Rodent control is also accomplished by the contractor as needed with the use of Talon G.

In the past, the base has used chlordane in wooden buildings for termite control. However, no records are available that indicate quantities used or locations of application. Base personnel have indicated that these applications were conducted in accordance with then-current standards; therefore, it is assumed that chlordane levels in the soil, if any, would be well below remedial action requirements.

Based upon the methodology presented in Chapter 2, no contamination associated with pesticides is expected.

### 3.3.6 Medical/Biohazardous Waste

Richards-Gebaur AFB operates a medical clinic (Facility 601) used for deployment training (setting up a field hospital) and for providing physicals for Reserve personnel; no in-patient services are provided. The base generates medical waste below the MDNR threshold amount of 100 kg per month, and therefore qualifies as a small-quantity generator. A permitted contractor removes medical wastes from the medical center once a month for proper disposal. The Bioenvironmental Engineer is responsible for monitoring medical wastes generated on base.

Medical and dental X-ray operations (Facility 604) produce photochemical wastes and utilize silver recovery units. The silver recovery units treat photochemical wastes prior to discharge to the local sewage system. A study to determine the extent of mercury contamination in Facility 604 is discussed in Section 3.3.1.2.

Based upon the methodology presented in Chapter 2, no evidence of a release occurring was identified at Facility 601, and it is considered Category 2. Contamination has been confirmed at Facility 604, and investigation and remedial actions are in progress, so it is considered Category 7. These facilities are listed in Table 5-1 and shown in Figure 5-1.

### 3.3.7 Ordnance

There are no grenade or skeet ranges at Richards-Gebaur AFB. Facilities 1049 and 1050 comprise the Small Arms Range. This range will be cleared of unexploded ordnance prior to disposal. The Small Arms Range was studied in a Phase II project (Firing Range Site Phase II 1993). The report concluded that lead levels in site soils are above background levels but below levels requiring remedial action. Ordnance may have been disposed of by burning or blasting within the Belton Training Complex; rifle rounds were discovered during the VSI.

Facilities 1049 and 1050 have not been surveyed for unexploded ordnance, and are therefore considered Category 7. No investigations have been conducted at the Belton Training Complex to determine if any unexploded ordnance or residual soil contamination exists; therefore, this site is also considered Category 7.

### 3.3.8 Wastewater Discharges

Wastewater systems at Richards-Gebaur AFB consist of the sanitary sewer line, the industrial sewer line, and storm drainage.

The sanitary sewer system is connected to the Little Blue Valley Sewer District. The industrial sewer line collects effluent from the flightline and from industrial shops on base and discharges it into Facility 943, a detention reservoir. The effluent passes through an OWS (Facility 9470) and is then discharged to the sanitary sewer line leaving base. An environmental assessment of the detention reservoir is in progress. The Sanitary Sewer/Storm Water Runoff Study (Geraghty and Miller, 1991a) identified a drain at Facility 1201 as potentially draining to a leach field, and identifies interior drains in Facilities 605, 930, 948, 958, 965, and 966 that drain into the storm sewer system.

Storm water leaving the base was studied in the Water Course Soil Assessment, Richards-Gebaur AFB, Missouri, Phase II Final Report. This

basewide report of major drainage swales indicated that no significant contamination was found in either surface water or sediments. Richards-Gebaur AFB has filed for a discharge permit (Forms E and F) with MDNR.

Active septic tanks connected to leach fields are present at Facility 1025 (an Air Traffic Transceiver), Facility 1049 (Small Arms Range control house), and Facility 1100 (Mobile Radio Transceiver).

The conclusions of the water course assessment state that no remedial measures are necessary for surface water and sediments at major drainage sites. The only discharge allowed by the Clean Water Act (33 U.S.C. Sections 1251-1387) to flow into storm sewers is that from outdoor, building roof, and general runoff drainages. Any interior building drains to storm sewers may need to be capped or routed to the sanitary sewer. The seven buildings with indoor drains (listed above) that drain to sites other than the sanitary sewer are considered Category 7.

### 3.3.9 Radioactive and Mixed Wastes

There are no known radioactive or mixed waste issues at Richards-Gebaur AFB.

### 3.3.10 Solid Waste

There are no active landfills at Richards-Gebaur AFB, and no known historic landfills.

## 3.4 DISCLOSURE RESOURCES

Disclosure resources include asbestos, PCBs, radon, and lead-based paint. These resources were not used in property categorization. In the event that an issue arises regarding any of these resources, it will be discussed within the appropriate resource in Section 3.3.

### 3.4.1 Asbestos

A comprehensive basewide asbestos survey was conducted in September 1987. The survey included 71 facilities. ACM was identified in 39 of these facilities; the other 32 either had no suspected ACM or samples were negative. Locations of facilities surveyed and survey results are listed in Table 3-6 and shown in Figure 5-1. The data listed in Table 3-6 represent conditions as of September 1987. Numerous renovation projects have occurred since 1987 to remove ACM. Facility 942 (former Heat Plant) is currently closed due to the condition of ACM in the building.

### 3.4.2 Polychlorinated Biphenyls

All transformers with 50 parts per million (ppm) or more PCBs have either been replaced with PCB-free equipment or retrofilled to bring the PCB concentration to below 50 ppm, and U.S. EPA, Region VII, issued a Notice of Compliance to that effect on October 21, 1993. A history of base transformers and their PCB concentrations is provided in Table 3-7. Figure 5-1 shows the locations of transformers that may have contained PCB fluids in the past. Although the status of all PCB transformers could not be determined by the records search, the Environmental Management Office reported that the base is PCB-free and all PCB transformers have been retrofilled.

### 3.4.3 Radon

The Air Force sold or transferred all properties utilized as family housing or schools prior to implementation of the Radon Assessment and Mitigation Program; therefore the Air Force has not and does not plan to conduct any radon studies to determine the concentrations of radon in structures at Richards-Gebaur AFB. Results of a 1988 study (Missouri Department of Health, 1988) showed that more than 80 percent of samples in Cass County and more than 60 percent in Jackson County had radon levels below the U.S. EPA's recommended mitigation level of 4 picocuries per liter (pCi/l). The remainder of the samples had radon levels between 4 and 20 pCi/l, except 1 percent of the Jackson County samples, which were above 20 pCi/l.

### 3.4.4 Lead-Based Paint

The use of lead-based paints declined after 1978. A comprehensive basewide survey to determine the use of lead-based paint at Richards-Gebaur AFB has not been conducted. Facilities constructed prior to the implementation of the DOD ban on the use of lead-based paint in 1978 are likely to contain such paint. There are 95 buildings on base that were constructed prior to or during 1978. Another nine buildings have unknown construction dates. Table 5-1 lists the construction date of each facility; Figure 5-1 shows the locations of facilities, and indicates which were constructed prior to or during 1978.

Table 3-1. Hazardous Waste Accumulation Points
Page 1 of 5

| Facility | Waste Stored | Amount Stored | Documented Years of Storage | Program Status | Specific Property Category |
|---|---|---|---|---|---|
| 601 | Developer and replenisher | 8 gallons/year | 1988-1989 | RCRA | 2 |
| | Fixer and replenisher | | | | |
| 605[a] | None | NA | NA | RCRA | 2 |
| 610 | Oil | | | RCRA | 2 |
| | Mask filters | 395 gallons/year | 1993-1993 | | |
| | Waste flammable liquid | 30 pounds/year | 1993-1993 | | |
| | Toner | 34 pounds/year | 1993-1993 | | |
| 619/710 | Ammonia | 0.5 gallon/year | 1985-1985 | RCRA | 2 |
| | Paint | 45 gallons/year | 1991-1991 | | |
| | Paint material | 626 gallons/year | 1990-1991 | | |
| | Paint thinner | 61 gallons/year | 1991-1992 | | |
| 701[a] | None | NA | NA | RCRA | 2 |
| 704 | Hydraulic fluid | 55 gallons/year | 1987-1987 | RCRA | 7 |
| | Hydraulic fluid | 28 gallons/year | 1989-1990 | | |
| | Transmission fluid | 45 gallons/year | 1987-1988 | | |
| | Transmission fluid | 43 gallons/year | 1989-1900 | | |
| | Used/waste engine oil | 100 gallons/year | 1992-1993 | | |
| | Antifreeze | 341 gallons/year | 1987-1988 | | |
| | Antifreeze | 43 gallons/year | 1989-1990 | | |
| | Gear lube | 53 gallons/year | 1987-1988 | | |
| | Waste oil | 375 gallons/year | 1991-1993 | | |
| | Paint stripper | 1.5 gallons/year | 1987-1988 | | |
| | Hydraulic fluid | 55 gallons/year | 1987-1988 | | |
| | Engine oil | 283 gallons/year | 1987-1988 | | |
| | Engine oil | 216 gallons/year | 1989-1991 | | |
| | Paint waste | 2 gallons/year | 1986-1987 | | |
| | Lube oil | 315 gallons/year | 1987-1987 | | |
| | Lube oil | 30 gallons/year | 1988-1988 | | |
| | Lube oil | 26 gallons/year | 1989-1990 | | |
| | Lube oil | 50 gallons/year | 1991-1991 | | |
| | Paint thinner | 60 gallons/year | 1989-1989 | | |
| | Paint thinner | 50 gallons/year | 1991-1991 | | |
| | Fuel filters | 280 gallons/year | 1989-1990 | | |
| | Oil filters | 140 gallons/year | 1989-1990 | | |

Notes: (a) Although these facilities have been identified as accumulation points, hazardous waste has never been stored there
NA = Not applicable.
RCRA = Resource Conservation and Recovery Act

Table 3-1. Hazardous Waste Accumulation Points
Page 2 of 5

| Facility | Waste Stored | Amount Stored | Documented Years of Storage | Program Status | Specific Property Category |
|---|---|---|---|---|---|
| 704 (continued) | Motor oil | 50 gallons/year | 1990-1990 | | |
| | Aliphatic hydrocarbons | 35 gallons/year | 1990-1991 | | |
| | Lubricants | 250 gallons/year | 1991-1991 | | |
| 711 | Paint-related material | 54 gallons/year | 1991-1991 | RCRA | 2 |
| | Used JP-4 fuel filters | 190 gallons/year | 1992-1992 | | |
| | Waste oil lubricant | 48 gallons/year | 1992-1992 | | |
| | Lubricants | 50 gallons/year | 1991-1991 | | |
| 828 | Petroleum PD-680 | 15.5 gallons/year | 1985-1985 | RCRA | 2 |
| | Denatured alcohol with brake fluid | 5 gallons/year | 1988-1988 | | |
| | JP-4 contaminated sand bags | 800 gallons/year | 1989-1989 | | |
| | JP-4 contaminated absorbent material | 70 gallons/year | 1989-1989 | | |
| | Absorbent Pads | 55 gallons/year | 1990-1990 | | |
| | Hydraulic lift fluid | 550 gallons/year | 1990-1990 | | |
| | JP-4 contaminated soil | 879 gallons/year | 1990-1990 | | |
| | Flammable liquids | 100 gallons/year | 1991-1991 | | |
| 839 | Synthetic oil | 62 gallons/year | 1991-1991 | RCRA | 2 |
| | Synthetic oil | 13.5 gallons/year | 1992-1993 | | |
| | A/C synthetic oil | 16 gallons/year | 1987-1988 | | |
| | Waste synthetic oil | 44 gallons/year | 1992-1992 | | |
| | Penetrant | 99 gallons/year | 1985-1985 | | |
| | Emulsifier | 86 gallons/year | 1985-1985 | | |
| | HW Liquid NOSORM-E | 12 gallons/year | 1990-1991 | | |
| | Penetrant | 50 gallons/year | 1987-1987 | | |
| | Penetrant | 194 gallons/year | 1988-1988 | | |
| | Emulsifier | 74 gallons/year | 1987-1987 | | |
| | Emulsifier | 131 gallons/year | 1988-1988 | | |
| | Developer | 10 gallons/year | 1988-1989 | | |
| | Developer | 115 gallons/year | 1992-1992 | | |
| | Magnaglo bath | 22.5 gallons/year | 1986-1986 | | |
| | Magnaglo bath | 8 gallons/year | 1988-1988 | | |
| | Magnaglo bath | 924 gallons/year | 1989-1989 | | |
| | Magnaglo bath | 60 gallons/year | 1990-1991 | | |
| | Solvent cleaner | 5 gallons/year | 1990-1990 | | |
| | Emulsifier with oil | 47 gallons/year | 1988-1988 | | |

RCRA = Resource Conservation and Recovery Act.

Table 3-1. Hazardous Waste Accumulation Points
Page 3 of 5

| Facility | Waste Stored | Amount Stored | Documented Years of Storage | Program Status | Specific Property Category |
|---|---|---|---|---|---|
| 839 (continued) | Oil with trichloroethane | 14 gallons/year | 1988-1989 | | |
| | Oil with trichloroethane | 23 gallons/year | 1985-1986 | | |
| | Waste trichloroethane oil | 17 gallons/year | 1985-1986 | | |
| 918 | Sulfuric acid | 20 gallons/year | 1987-1988 | RCRA | 7 |
| | Sulfuric acid | 20 gallons/year | 1989-1990 | | |
| | Sulfuric acid with lead | 25 gallons/year | 1986-1987 | | |
| | Nickel-cadmium batteries | 40 gallons/year | 1986-1988 | | |
| | Nickel-cadmium batteries | 82 gallons/year | 1989-1990 | | |
| | Hydraulic fluid | 150 gallons/year | 1985-1991 | | |
| | Hydraulic fluid | 42.5 gallons/year | 1992-1993 | | |
| | Thinner | 50 gallons/year | 1985-1985 | | |
| | Waste hydraulic fluid | 48.5 gallons/year | 1991-1992 | | |
| | Synthetic engine oil | 44 gallons/year | 1992-1992 | | |
| 927/928 | Trichloroethane | 4 gallons/year | 1985-1988 | RCRA | 2 |
| | Carbon remover | 30 gallons/year | 1985-1986 | | |
| | Carbon remover | 6 gallons/year | 1988-1989 | | |
| | PD-680 | 50 gallons/year | 1985-1986 | | |
| | Turbine oil | 45 gallons/year | 1986-1986 | | |
| | Engine oil | 235 gallons/year | 1985-1991 | | |
| | Jet engine oil | 49 gallons/year | 1986-1986 | | |
| | Jet engine oil | 46 gallons/year | 1989-1989 | | |
| | Hydraulic fluid | 47 gallons/year | 1987-1988 | | |
| | Waste engine oil | 92 gallons/year | 1989-1989 | | |
| | Waste engine oil | 45 gallons/year | 1991-1992 | | |
| | Turco cleaner | 5 gallons/year | 1989-1989 | | |
| | Used/waste turbine oil | 93 gallons/year | 1992-1993 | | |
| | Waste oil with solvent | 40 gallons/year | 1991-1992 | | |
| | JP-4/MOGAS/water | 46 gallons/year | 1990-1990 | | |
| 948/972 | Waste latex paint | 50 gallons/year | 1992-1992 | RCRA | 2 |
| | Waste oil-base paint | 50 gallons/year | 1992-1992 | | |
| | Waste paint-related material | 50 gallons/year | 1992-1992 | | |
| | Waste sealing compound | 6 pounds/year | 1992-1992 | | |

MOGAS = Motor gasoline.
RCRA = Resource Conservation and Recovery Act.

Table 3-1. Hazardous Waste Accumulation Points
Page 4 of 5

| Facility | Waste Stored | Amount Stored | Documented Years of Storage | Program Status | Specific Property Category |
|---|---|---|---|---|---|
| 953[a] | None | NA | NA | RCRA | 2 |
| 958/959 | Turbine oil | 16.5 gallons/year | 1985-1988 | RCRA | 2 |
| | Turbine oil | 9.5 gallons/year | 1989-1990 | | |
| | Engine oil | 75 gallons/year | 1985-1990 | | |
| | Lubricating oil | 65 gallons/year | 1985-1987 | | |
| | Diethylene glycol | 5 gallons/year | 1985-1985 | | |
| | Transmission fluid | 5 gallons/year | 1986-1986 | | |
| | Transmission fluid | 31 gallons/year | 1987-1988 | | |
| | Hydraulic fluid | 194 gallons/year | 1987-1991 | | |
| | Monobutyl ether | 5 gallons/year | 1987-1988 | | |
| | Preservative oil | 10 gallons/year | 1988-1988 | | |
| | JP-4/MOGAS/water | 10 gallons/year | 1990-1990 | | |
| | Waste oil | 76 gallons/year | 1991-1992 | | |
| | Motor oil | 103 gallons/year | 1991-1991 | | |
| | Waste engine oil | 49 gallons/year | 1991-1992 | | |
| | Used motor oil | 50.5 gallons/year | 1992-1993 | | |
| 965 | Stripper | 261 gallons/year | 1985-1985 | RCRA | 7 |
| | Hydraulic fluid with methyl ethyl ketone | 15 gallons/year | 1985-1985 | | |
| | Toluene and methyl ethyl ketone | 54 gallons/year | 1985-1985 | | |
| | Thinner and methyl ethyl ketone | 27 gallons/year | 1985-1985 | | |
| | Epoxy remover | 55 gallons/year | 1985-1986 | | |
| | Polyurethane paint | 151 gallons/year | 1987-1987 | | |
| | Polyurethane thinner | 25 gallons/year | 1986-1987 | | |
| | Paint thinner | 139 gallons/year | 1986-1991 | | |
| | Waste paint | 75 gallons/year | 1991-1992 | | |
| | Waste thinner with methyl ethyl ketone | 49 gallons/year | 1992-1992 | | |
| 966 | Petroleum PD-680-II | 48 gallons/year | 1985-1986 | RCRA | 2 |
| | Paint stripper | 93 gallons/year | 1987-1988 | | |
| | Used paint stripper | 110 gallons/year | 1987-1987 | | |
| | Paint stripper | 50 gallons/year | 1990-1990 | | |

Notes: The Missouri Department of Natural Resources has RCRA authority in Missouri.
(a) Although these facilities have been identified as accumulation points, hazardous waste has never been stored there
NA = Not applicable.
RCRA = Resource Conservation and Recovery Act.

Table 3-1. Hazardous Waste Accumulation Points
Page 5 of 5

| Facility | Waste Stored | Amount Stored | Documented Years of Storage | Program Status | Specific Property Category |
|---|---|---|---|---|---|
| 970 | Tar | 40 gallons/year | 1990-1990 | RCRA | 2 |
| | JP-4 contaminated water | 45 gallons/year | 1990-1990 | | |
| 973 | Aliphatic hydrocarbons | 15 gallons/year | 1991-1991 | RCRA | 2 |
| 1202 | Denatured alcohol with brake fluid | 2 gallons/year | 1990-1992 | RCRA | 2 |

Notes: The Missouri Department of Natural Resources has RCRA authority in Missouri.
*RCRA = Resource Conservation and Recovery Act.*

Source: U.S. Air Force, 1993b.

Table 3-2. Installation Restoration Program (IRP) Sites

| IRP Site Number | Operable Unit | Known or Suspected Material Disposed of | Site Name | Program Status | Dates of Operation | Specific Property Category |
|---|---|---|---|---|---|---|
| FT-002 | 1 | Waste oils, solvents, and fuels | North Burn Pit | Supplemental Remedial Investigation | 1965-1988 | 5 |
| SS-003 | 1 | Waste petroleum, oils, and lubricants products | Oil Saturated Area | Decision Document | 1955-1980 | 5 |
| SS-004 | 1 | Waste oil | Hazardous Waste Drum Storage | Decision Document | Unknown-1985 | 5 |
| ST-005 | 1 | Fuels | Petroleum, Oils, and Lubricants (POL) Storage Yard | Remedial Design/Remedial Action | 1954-Present | 6 |
| SS-006 | 1 | Waste oil | Hazardous Material Storage, Facility 927 | Preliminary Assessment/Site Inspection; Interim Remedial Action completed in fall 1993 | 1957 - Present | 5 |
| ST-007 | 1 | JP-4 | Leaking Underground Storage Tanks | Decision Document | 1954-1971 | 5 |
| SS-008 | 1 | Petroleum, oils, and lubricants | Test Cell Area | Preliminary Assessment/Site Inspection | 1956-1977 | 7 |
| SS-009 | 1 | Petroleum, oils, and lubricants | Fire Valve Area | Preliminary Assessment/Site Inspection | Unknown | 7 |

Table 3-3. Aboveground Storage Tanks

| Facility | Contents | Capacity (gallons) | Status | Years of Operation | Program Status | Specific Property Category |
|---|---|---|---|---|---|---|
| 105 | Diesel | 275 | Active | 1972-Present | Air Force Policy | 2 |
| 602 interior | Diesel | 90 | Active | Unknown-Present | Air Force Policy | 2 |
| 602 exterior | Diesel | 275 | Active | Unknown-Present | Air Force Policy | 2 |
| 614 | Diesel | 90 | Removed | Unknown | Air Force Policy | 2 |
| 614 | MOGAS | 50 | Removed | Unknown | Air Force Policy | 2 |
| 614 | MOGAS | 50 | Removed | Unknown | Air Force Policy | 2 |
| 614 | Diesel | 44 | Removed | Unknown | Air Force Policy | 2 |
| 700 | MOGAS | 10,000 | Active | 1989-Present | Air Force Policy | 2 |
| 701 | Diesel | 10,000 | Active | 1989-Present | Air Force Policy | 2 |
| 710 | Diesel | 275 | Active | Unknown-Present | Air Force Policy | 2 |
| 711 | Reclaimed JP-4 | 1,000 | Active | Unknown-Present | Air Force Policy | 2 |
| 841 | Diesel | 275 | Active | 1970-Present | Air Force Policy | 2 |
| 901 | Diesel | 275 | Active | 1970-Present | Air Force Policy | 3 |
| 918 | MOGAS | 20 | Active | Unknown | Air Force Policy | 2 |
| 921 | Diesel | 1,000 | Removed | 1956-Unknown | Air Force Policy | 2 |
| 944 | JP-4 | 2,500 | Removed | 1956-Unknown | Air Force Policy | 2 |
| 945 | JP-4 | 500 | Removed | 1957-Unknown | Air Force Policy | 2 |
| 945 | JP-4 | 500 | Removed | 1957-Unknown | Air Force Policy | 2 |
| 945 | Waste PD-680, paint thinner, POL | 1,000 | Removed | 1957-Unknown | Air Force Policy | 2 |
| 945 | Waste PD-680, paint thinner, POL | 1,000 | Removed | 1957-Unknown | Air Force Policy | 2 |
| 953 | Diesel | 44 | Removed | Unknown | Air Force Policy | 2 |
| 954 | Heating oil | 260,000 | Inactive | 1954-Unknown | Air Force Policy | 7 |
| 955 | JP-4 | 187,000 | Active | 1954-Present | Air Force Policy | 2 |
| 957 | JP-4 | 210,000 | Active | 1956-Present | Air Force Policy | 2 |
| 958 | Waste PD-680, paint thinner, POL | 500 | Removed | Unknown | Air Force Policy | 2 |
| 963 | Solvent | 500 | Active | Unknown-Present | Air Force Policy | 2 |
| 1009 | MOGAS | 275 | Active | Unknown-Present | Air Force Policy | 2 |
| 1011 | MOGAS | 275 | Removed | 1962-Unknown | Air Force Policy | 3 |
| 1025 interior | Diesel | 90 | Active | 1972-Present | Air Force Policy | 2 |
| 1025 exterior | Diesel | 275 | Active | 1972-Present | Air Force Policy | 2 |
| 1025 exterior | Diesel | 560 | Active | 1972-Present | Air Force Policy | 2 |
| 1033 | Waste JP-4 | 5,000 | Removed | 1961-Unknown | Air Force Policy | 7 |
| 1100 | MOGAS | 275 | Active | Unknown-Present | Air Force Policy | 2 |
| 1401 | MOGAS | 275 | Removed | Unknown | Air Force Policy | 2 |
| 9610 | Diesel | 10,000 | Inactive | 1958-Unknown | Air Force Policy | 2 |
| 9610 | MOGAS | 10,000 | Inactive | 1958-Unknown | Air Force Policy | 2 |

Notes: extenor = AST is found outside facility.
intenor = AST is found inside facility.
MOGAS = Motor gasoline.
POL = Petroleum, oils, and lubricants.

Sources: $CH_2M$ Hill, 1983.
Intelcom Support Services, 1992.
U.S. Air Force, 1993a.

Table 3-4. Underground Storage Tanks
Page 1 of 2

| Facility | Contents | Capacity (gallons) | Status | Years of Operation | Program Status | Specific Property Category |
|---|---|---|---|---|---|---|
| 105 | Diesel | 250 | Removed | 1954-1988 | MDNR | 7 |
| 602 | Diesel | 1,000 | Removed | 1954-1988 | MDNR | 7 |
| 620 | Waste acid | 550 | Removed | 1966-1988 | MDNR | 7 |
| 702 | Gasoline | 10,000 | Removed | 1954-1989 | MDNR | 7 |
| 702 | Gasoline | 10,000 | Removed | 1954-1989 | MDNR | 7 |
| 711 | JP-4 | 5,000 | Removed | 1965-1989 | MDNR | 7 |
| 828 | Fuel oil | 1,500 | Removed | 1955-1981 | MDNR | 7 |
| 828 | Fuel oil | 1,650 | Removed | 1981-1992 | MDNR | 7 |
| 839 | Fuel oil | 4,000 | Removed | 1961-1992 | MDNR | 7 |
| 902 | JP-4 | 25,000 | Removed | 1954-1988 | IRP | 5 |
| 902 | JP-4 | 25,000 | Removed | 1954-1988 | IRP | 5 |
| 902 | JP-4 | 25,000 | Removed | 1954-1988 | IRP | 5 |
| 902 | JP-4 | 25,000/ | Removed | 1954-1988 | IRP | 5 |
| 903 | Diesel | ~~250~~ 275 | Unknown | 1961-Unknown | MDNR | 7 |
| 927 | Waste solvent | 500 | Removed | 1989-1993 | MDNR | 7 |
| 938 | Gasoline | 100 | Removed | 1954-1985 | MDNR | 7 |
| 942 | Fuel oil #2 | 15,000 | Removed | 1955-1988 | MDNR | 7 |
| 942 | Fuel oil #2 | 15,000 | Removed | 1955-1988 | MDNR | 7 |
| 947 | Stoddard solvent | 6,000 | Removed | 1958-1989 | MDNR | 7 |
| 948 | Waste oil | 500 | Removed | 1963-1988 | MDNR | 7 |
| 948 | Fuel oil #2 | 6,000 | Removed | 1963-1988 | MDNR | 7 |
| 958 | Fuel oil #2 | 250 | Removed | 1963-1988 | MDNR | 7 |
| 962 | JP-4 | 4,000 | Active | 1984-Present | MDNR | 7 |
| 962 | Gasoline | 4,000 | Active | 1984-Present | MDNR | 7 |
| 965 | Waste oil | 12,000 | Removed | 1966-1988 | MDNR | 7 |

Note: All underground storage tanks on base are being removed in accordance with MDNR guidelines.
IRP = Installation Restoration Program.
MDNR = Missouri Department of Natural Resources.

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Table 3-4. Underground Storage Tanks
Page 2 of 2

| Facility | Contents | Capacity (gallons) | Status | Years of Operation | Program Status | Specific Property Category |
|---|---|---|---|---|---|---|
| 1025 | Fuel oil #2 | 550 | Removed | 1953-1968 | MDNR | 7 |
| 1025 | Fuel oil #2 | 1,000 | Removed | 1968-1988 | MDNR | 7 |
| 1025 | Diesel | 275 | Removed | 1953-1988 | MDNR | 7 |
| 1100 | Gasoline | 250 | Removed | 1953-1988 | MDNR | 7 |
| 1100 | Fuel oil #2 | 550 | Removed | 1953-1988 | MDNR | 7 |
| 1201 | Fuel oil #2 | 3,000 | Removed | 1961-1992 | MDNR | 7 |
| 1202 | Fuel oil #2 | 1,500 | Removed | 1959-1982 | MDNR | 7 |
| 1202 | Fuel oil #2 | 1,650 | Removed | 1982-1992 | MDNR | 7 |

Note: All USTs on base are being removed in accordance with MDNR guidelines.
MDNR = *Missouri Department of Natural Resources.*

Sources: Burns and McDonnell, 1992a.
$CH_2M$ Hill, 1983.
Environmental Protection Inspection and Consulting, Inc., 1991.
Environmental Risk Information and Imaging Services, 1992.
Missouri Department of Natural Resources, 1993a.
U.S. Air Force, 1992c, 1993c.
U.S. Air Force SPTG-CEG, 1993.

Table 3-5. Oil/Water Separator Systems

| Facility | Capacity (gallons) | Status | Years of Operation | Type of System | Program Status | Specific Property Category |
|---|---|---|---|---|---|---|
| 702 | 50 | Removed | 1989-93 | A | CWA | 2 |
| 702 | 190 | Removed | 1989-93 | U | MDNR | 7 |
| 702 | 550 | Active | 1993-Present | A | CWA | 2 |
| 702 | 550 | Active | 1993-Present | A | CWA | 2 |
| 704 | 500 | Removed | 1956-89 | U | MDNR | 7 |
| 704 | 500 | Removed | 1956-75 | U | MDNR | 7 |
| 704 | 500 | Removed | 1975-93 | U | MDNR | 7 |
| 704 | 282 | Removed | 1989-93 | U | MDNR | 7 |
| 704 | 550 | Active | 1993-Present | A | CWA | 2 |
| 704 | 550 | Active | 1993-Present | A | CWA | 2 |
| 711 | 1000 | Removed | 1965-93 | U | MDNR | 7 |
| 711 | 500 | Removed | 1965-93 | U | MDNR | 7 |
| 711 | 282 | Removed | 1989-93 | U | MDNR | 7 |
| 711 | 550 | Active | 1993-Present | A | CWA | 2 |
| 711 | 550 | Active | 1993-Present | A | CWA | 2 |
| 920 | 200 | Removed | 1973-93 | U | MDNR | 7 |
| 920 | 500 | Removed | 1973-93 | U | MDNR | 7 |
| 920 | 550 | Active | 1993-Present | A | CWA | 2 |
| 920 | 550 | Active | 1993-Present | A | CWA | 2 |
| 927 | 400 | Closed in place | 1958-89 | U | MDNR | 7 |
| 927 | 100 | Closed in place | 1958-89 | U | MDNR | 7 |
| 940 | 275 | Removed | 1965-88 | U | MDNR | 7 |
| 940 | 1075 | Removed | 1965-Unknown | U | MDNR | 7 |
| 944 | 1000 | Removed | 1956-88 | U | MDNR | 7 |
| 944 | 140 | Removed | 1956-88 | U | MDNR | 7 |
| 1033 | 425 | Closed in place | 1972-89 | U | MDNR | 7 |
| 1033 | 565 | Removed | 1972-89 | U | MDNR | 7 |
| 9470 | 7800 | Removed | 1973-89 | A | CWA | 2 |
| 9470 | 1000 | Active | 1973-Present | U | MDNR | 7 |
| 9470 | 1500 | Removed | 1973-89 | U | MDNR | 7 |
| 9470 | 282 | Removed | 1989-93 | U | MDNR | 7 |
| 9470 | 550 | Active | 1993-Present | A | CWA | 2 |
| 9470 | 550 | Active | 1993-Present | A | CWA | 2 |

A = Aboveground storage.
CWA = Clean Water Act program.
MDNR = Missouri Department of Natural Resources.
U = Underground storage.

Table 3-6. Facilities Surveyed for Asbestos
Page 1 of 2

| Facility (Use) | Asbestos-Containing Material (ACM) Present |
|---|---|
| 000 (Steam Piping System) | All negative samples |
| 105 (Communications Facility) | Joint insulation |
| 243 (Dormitory) | ACM found but not described in report |
| 245 (Swimming Pool Water Treatment) | No suspected material found |
| 247 (Swimmers' Bath House) | Tank and pipe insulation |
| 248 (Open Mess) | Tank, pipe, and joint insulation |
| 250 (Dormitory) | Mechanical insulation |
| 252 (Dormitory) | Mechanical insulation |
| 602 (Flight Simulator Training) | Pipe and joint insulation |
| 603 (Air Force Clinic) | Tank, pipe, and joint insulation |
| 604 (Air Force Clinic) | Tank, pipe, and joint insulation |
| 605 (Maintenance Shop) | Pipe and joint insulation |
| 606 (Base Engineering Administration) | Pipe, tank, and joint insulation, transite shingles |
| 607 (Base Engineering Administration) | All negative samples |
| 610 (Supply/Equipment Base Warehouse) | Pipe and joint insulation |
| 614 (Administration Office) | All negative samples |
| 617 (Disaster Preparedness) | Joint insulation |
| 619 (Exchange Branch) | Mechanical insulation, ceiling panels |
| 620 (Document Storage Facility) | All negative samples |
| 621 (Acid Storage) | No suspected material found |
| 702 (Vehicle Fuel Station) | No suspected material found |
| 703 (Vehicle Operations Administration) | Pipe and joint insulation |
| 704 (Vehicle Maintenance Shop) | Pipe and joint insulation |
| 709 (Reserve Forces Aeromedical Evacuation Training) | All negative samples |
| 710 (Reserve Forces Operational Training) | Tank, pipe, and joint insulation |
| 711 (Refuel Vehicles Shop) | Pipe and joint insulation |
| 757 (Sanitary Latrine) | No suspected material found |
| 801 (Survival Equipment Shop) | Pipe and joint insulation, transite shingles |
| 828 (Warehouse and Shop) | Tank, pipe, and joint insulation |
| 839 (Non-Destructive Inspection Laboratory) | Joint insulation |
| 841 (Fixed Tactical Air Navigational Station) | All negative samples |
| 845 (Electrical Power Station) | No suspected material found |
| 900 (Fire Station) | Pipe and joint insulation |
| 901 (Base Operations) | Pipe and duct insulation |
| 903 (Electrical Power Station) | No suspected material found |
| 904 (Base Hazardous Storage) | No suspected material found |
| 918 (Maintenance Hangar) | Tank, pipe, and joint insulation |
| 920 (Vehicle Service Rack) | No suspected material found |

Table 3-6. Facilities Surveyed for Asbestos
Page 2 of 2

| Facility (Use) | Asbestos-Containing Material (ACM) Present |
|---|---|
| 923 (Storage Shed) | No suspected material found |
| 924 (Maintenance/Storage) | No suspected material found |
| 925 (Reserve Forces Training) | Joint insulation |
| 926 (Headquarters/Office) | Joint insulation |
| 927 (Engine and Pneudraulics Shop) | Joint insulation |
| 930 (Electronic Counter Measures Pad Shop/Storage) | Mechanical, joint, and duct insulation, lay-in ceiling |
| 931 (Liquid Oxygen Storage) | No suspected material found |
| 936 (Non-Air Force Administration Office) | No suspected material found |
| 937 (Base Hazardous Storage) | No suspected material found |
| 940 (Aircraft General Purpose Shop) | Tank, pipe, and joint insulation |
| 942 (Heating Facility) | Boiler, tank, pipe and joint insulation |
| 946 (Base Hazardous Storage) | No suspected material found |
| 947 (Corrosion Control Storage) | No suspected material found |
| 948 (Maintenance Dock Fuel System) | Boiler and joint insulation |
| 949 (Corrosion Control Storage) | No suspected material found |
| 951 (Maintenance Shop) | Boiler, tank, pipe, and joint insulation |
| 953 (Liquid Fuel Pump Station) | No suspected material found |
| 958 (Ground Support Shop) | Joint insulation |
| 962 (Ground Equipment Shop) | No suspected material found |
| 965 (Aircraft General Purpose Shop) | Boiler, tank, and joint insulation |
| 966 (Maintenance Dock) | Tank and joint insulation |
| 1011 (Electrical Power Station) | No suspected material found |
| 1025 (Air Traffic Transceivers) | Pipe and joint insulation |
| 1049 (Range Control House) | All negative samples |
| 1050 (Aboveground Magazine Storage) | No suspected material found |
| 1100 (Mobile Radio Transceiver) | Pipe and joint insulation |
| 1201 (Office) | Duct and joint insulation |
| 1202 (Missile Assembly and Training) | Mechanical insulation |
| 1203 (Aboveground Magazine Storage) | No suspected material found |
| 1205 (Base Hazardous Storage) | No suspected material found |
| 1401 (Instrument Landing System Localizer) | No suspected material found |
| 1800 (Instrument Landing System Marker Beacon) | No suspected material found |
| 1900 (Instrument Landing System Marker Beacon) | No suspected material found |

Source: Hall-Kimbrell, 1987.

Table 3-7. Historic Locations of Transformers

| Facility | PCB Concentration (ppm) | ID Number |
|---|---|---|
| 940 | 138 | C149900 |
| 940 | 149 | C149153 |
| 940 | 188 | B746299 |
| 940 | 275 | B746296 |
| 966 | 566 | B730448 |
| 918 | 140 | C382905 |
| 918 | 202 | C382720 |
| 918 | 123 | C382804 |
| 918 | 88 | C382807 |
| 918 | 141 | C382805 |
| 918 | 138 | C382809 |
| 918 | 144 | C382694 |
| 918 | 149 | C382708 |
| 918 | 137 | C382908 |
| 918 | 240 | C382721 |
| 918 | 140 | C382712 |
| 918 | 150 | C382717 |
| 926 | 266 | B751738 |
| 926 | 189 | B750447 |
| 926 | 344 | 57J7448 |
| 926 | 311 | 57J7438 |
| 926 | 359 | 5M63714 |
| 702 | 331 | B726756 |
| 604 | 72.7 | C130942 |
| 604 | 70.3 | C130879 |
| 604 | 72.3 | C130972 |
| 605 | 285 | B746324 |
| 605 | 253 | B746323 |
| 931 | 124 | T741205 |
| 931 | 147 | E974665-63P |
| 931 | 85.3 | C140803 |
| 619 | 68.9 | 71K2919 |
| 610 | 114 | B743500 |
| 250 | 130 | Unknown |
| 250 | 176 | Unknown |
| 250 | 167 | Unknown |

PCB = Polychlorinated biphenyl.
ppm = Parts per million.

Sources: Missouri Public Service, 1988a, 1988b.
Moore Analytical, 1986.
U.S. Air Force 442 CSG/DE, 1990, 1992.

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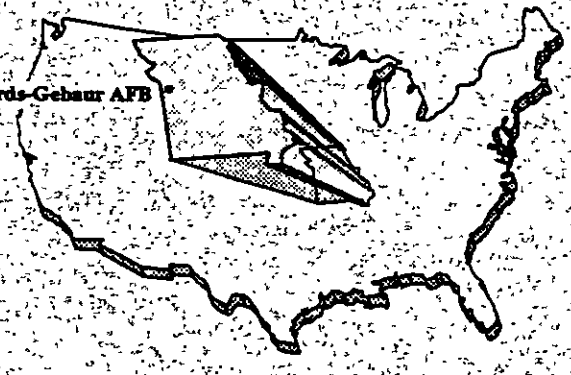
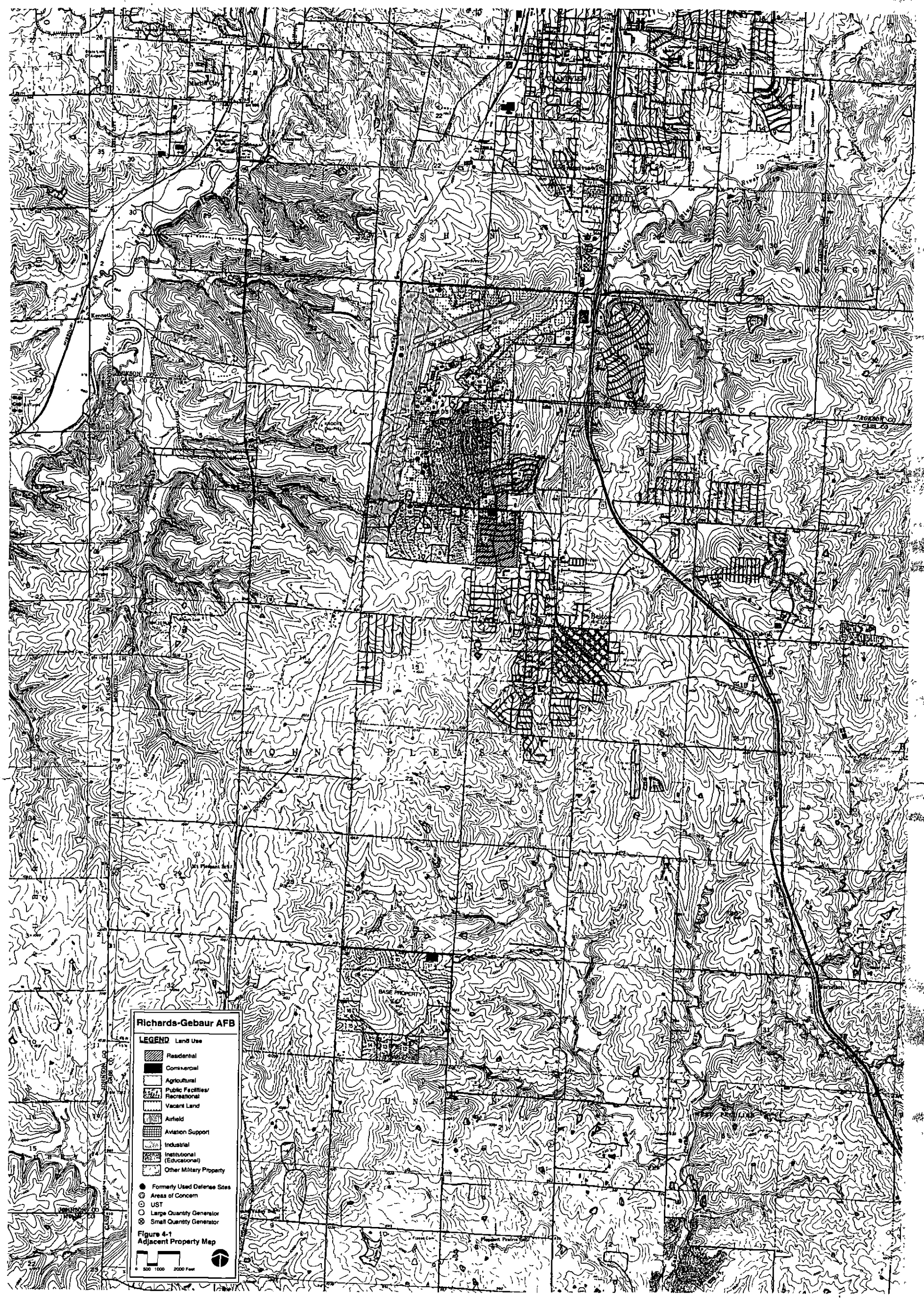



# CHAPTER 4


Richards-Gebaur AFB
LEGEND Land Use
Residential
Commercial
Agricultural
Public Facilities/ Recreational
Vacant Land
Airfield
Aviation Support
Industrial
Institutional (Educational)
Other Military Property
Formerly Used Defense Sites
Areas of Concern
UST
Large Quantity Generator
Small Quantity Generator
Figure 4-1
Adjacent Property Map
0 500 1000 2000 Feet
MOUNT PLEASANT
UNION
BASE PROPERTY
Grandview
Belton
Martin City
Kenneth
Mt Pleasant Sch
Pleasant Prairie Road
Fiesta Cem
Valley Ball
Jackson Co
Missouri
Cass Co

# 4.0 FINDINGS FOR OFF-BASE PROPERTIES

CERCLA Section 120(h), as amended, requires that a physical inspection of properties adjacent to the subject real property be conducted, to the extent permitted by owners and operators of such property. As mentioned in Section 1.2, adjacent property includes those properties contiguous to the boundaries of the base, as well as those properties relatively near the base that could pose significant environmental concern or impact to the base. All reasonably obtainable federal, state, and local government records were reviewed for each contiguous property where there has been a release of any hazardous substance and/or petroleum derivative, and where activities on that property are likely to cause or contribute to a release or threatened release of any hazardous substance or petroleum product or its derivatives on the real property The following federal and state data bases were reviewed. These data bases were queried based on the minimum search distances recommended by the American Society for Testing and Materials guidelines for conducting Phase I site assessments (American Society for Testing and Materials, 1993). Two data bases (federal National Priorities List (NPL) and federal RCRA Treatment, Storage, and Disposal facilities list) were queried beyond the minimum search distance recommended. Distances searched for each data base are provided below.

- Federal NPL - 2.5 miles
- Federal Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list - 0.5 mile
- Federal RCRA Treatment, Storage, and Disposal facilities list - 2.5 miles
- Federal RCRA generators list - contiguous properties
- State Environmental Contamination List - 1.0 mile
- State landfill and/or solid waste disposal site lists - 0.5 mile
- State leaking UST lists - 0.5 mile
- State registered UST lists - contiguous properties

One CERCLIS site (Table 4-1), three RCRA generator sites (Table 4-2), one Federal Emergency Response Notification System site (Table 4-3), and nine sites with state-registered USTs (Table 4-4) were identified within the Richards-Gebaur AFB search area.

In addition, eight Formerly Utilized Defense Sites (FUDS) are located on property contiguous to Richards-Gebaur AFB; these sites are listed and briefly described in Table 4-5, and shown in Figure 4-1. Potential impacts of the FUDS on Richards-Gebaur AFB property cannot be determined with available data. A records search and SI of the FUDS is currently being conducted under the management of the Kansas City District Corps of Engineers Toxic and Hazardous Waste Branch.

## 4.1 LAND USES

There are 16 contiguous properties around Richards-Gebaur AFB (see Figure 4-1). Table 4-6 lists the size and land use of each parcel, and when the parcel was visually and/or physically surveyed. The total acreage for each parcel is listed; acreage within the study area (contiguous to the base within one-quarter mile of the base boundary) is also provided.

## 4.2 PROPERTY INSPECTIONS

All contiguous off-base properties were visually inspected. Of the 16 contiguous properties surveyed, 10 were physically inspected. The off-base properties consisted of portions of the original base property that was conveyed to Kansas City in 1985 and the parcels contiguous to the Belton Training Complex. This inspection consisted of a "windshield" survey of the property. When permitted by the owner, contiguous off-base properties were physically inspected; this entailed a visit to the property, an interview with the property owner/operator (when present), and a walk-around of the property. No sampling of any kind was conducted. Unless otherwise noted, no visual signs of contamination or environmental concern were identified. A description of each parcel is provided by property identification number in Table 4-6 (see Figure 4-1 for property locations). During the property surveys, several areas on off-base property were noted where potential contamination concerns may affect base property. These areas are presented in Table 4-7 and their locations shown in Figure 4-1.

Based on the records search and VSIs 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 No off-base properties are known to have been contaminated from activities on Richards-Gebaur AFB.

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Figure 4-1. Adjacent Property Map (oversized)

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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<br>Kansas City, MO 64147 | 7 |
| 4 | Richards-Gebaur Airport | 15415 Denver Avenue, Bldg. 1301<br>Kansas City, MO 64147 | 1 |
| 5 | Richards-Gebaur Airport | 3500 E. 155th Street, Bldg. 820<br>Kansas City, MO 64147 | 1 |
| 6 | Richards-Gebaur Airport | 3514 E. 155th Street, Bldg. 803<br>Kansas City, MO 64147 | 1 |
| 7 | Richards-Gebaur Airport | 4500 E. 155th Street<br>Kansas City, MO 64147 | 1 |
| 8 | Richards-Gebaur Airport | 15403 Andrews Road, Bldg. 611<br>Kansas City, MO 64147 | 5 |
| 9 | Richards-Gebaur Airport | 3411 E. 155th Terrace, Bldg. 829<br>Kansas City, MO 64147 | 3 |
| 10 | Richards-Gebaur Airport | 3401 E. 155th Terrace, Bldg. 82<br>Kansas City, MO 64147 | 2 |
| 11 | Richards-Gebaur Airport | 15600 Spruce Avenue, Bldg. 514<br>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 4-5. Formerly Used Defense Sites**
**Page 2 of 2**

| MAP ID | Site Number | Site Name | Location and Waste Description | Dates of Operation | Current Status |
|---|---|---|---|---|---|
| 18 | 8 | Herbicide Burial Site | South end of the runway. About four cases of herbicide, reportedly containing mercury, in plastic pint-sized bottles were reportedly buried in a trench. | 1971 | Records Search and Site Inspection |
| 24 | 11 | Paint Stripper Hangar | Facility 1010, former Air Force fighter alert hangar. A spill of a commercial paint stripper contaminated the surface ditches draining this facility. Also, two metal drum sumps are located outside of two of the hangars and overflow into the surface ditches (IRP Phase II Confirmation/ Quantification Stage 2, 1988). | Unknown | 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[a] | | 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 Firing Range Site Phase II (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.

**Table 4-7. Areas of Potential Environmental Concern**
**Page 2 of 2**

| Map ID | Location | Condition of Off-Base Area of Concern | Specific Environmental Concern |
|---|---|---|---|
| 22 | Northwest of Air Traffic Transceiver parcel, in a natural depression | Apparently active inert debris landfill, approximate dimensions 300 feet by 150 feet by 15 feet. Contents of the landfill appear to be predominately concrete, however, the exact contents are not known. | If organic material is present, the potential for migration of leachate and landfill gas is possible. |
| 23 | South of Air Traffic Transceiver parcel | This area is the location of two demolished buildings (Facility 1020 and Facility 1021) and a quonset storage structure (Facility 1022). Facility 1021 appears to have been used as a maintenance/industrial shop as heavy POL stains remain on the concrete slab in a "service bay"-like pattern. An areas (15 feet by 10 feet) of subsidence south of Facility 1021's east end is present. A water capture grate runs the length of Facility 1021 along the south side and may be associated with the area of subsidence. In 1983 an unknown 2,000-gallon fuel oil storage tank is listed at Facility 1020. | Disposal practices and chemicals used at the former shop are unknown and therefore have the potential to affect base property. The unknown storage tank could be a UST, and poses a threat for release into subsurface soils. Areas of subsidence are of potential environmental concern and may represent the location of an underground utility such as a sump, UST, or OWS. |

OWS = Oil/water separator.
POL = Petroleum, oils, and lubricants.
UST = Underground storage tank.

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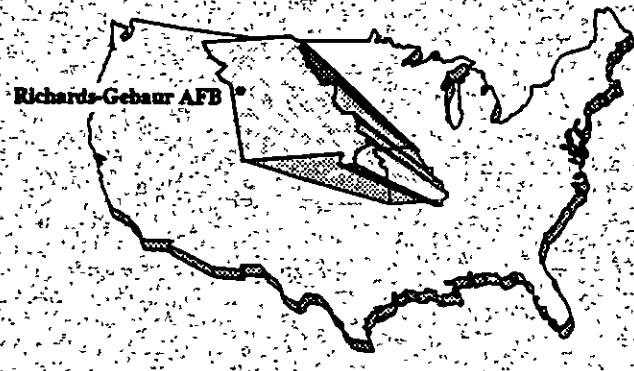


# CHAPTER 5

# 5.0 CONCLUSIONS

This chapter provides the summary of findings for the EBS at Richards-Gebaur AFB.

## 5.1 PROPERTY MATRIX

Table 5-1 provides a summary of all resources by facility, and Table 5-2 lists all facilities with each property. Figure 5-1 shows property boundaries and facility locations. The headings for Table 5-1 are listed below with an explanation of the information being shown:

- Facility (Use): the facility identification number or location and general use of the facility
- Property ID Number: The letters A through J have been assigned to parcels by the base. As the base was further divided based on property categories, for this report, the parcels were given number values in addition to the letters (e.g., A-1, A-2). These designations are shown on Figure 5-1.
- Year of Construction: the year the facility was constructed
- Square Footage: the area of the facility in square feet
- IRP Site: indicates any IRP sites that may affect the facility
- Hazardous Materials
  H = facility has been used as a hazardous materials storage area
  P = facility has been used to store pesticides
  Numbers 2 through 7 indicate property categorization
- Hazardous Waste
  W = facility has been used as a hazardous waste storage area (daily collection point, satellite accumulation point, accumulation point)
  M = medical/biohazardous waste has been generated within the facility
  Numbers 2 through 7 indicate property categorization
- Storage Tanks/OWSs - Type: indicates whether the tank is a UST, AST, or OWS. Number in parentheses indicates tank categorization
- Storage Tanks/OWSs - Content: indicates what is stored in the tank

- Storage Tanks/OWSs - Capacity (gallons): indicates the storage capacity in gallons

- ACM: indicates whether or not the facility contains asbestos
  Y = ACM was identified in the asbestos survey
  N = no suspected ACM was identified, or building type excludes use of ACM
  U = unknown if ACM is present

- Lead-Based Paint: indicates whether the facility was constructed prior to or during 1978; blank = facility was constructed after 1978

- Type of Inspection Completed: indicates which facilities had a visual or physical inspection performed or no inspection conducted

- Overall Property Category: Indicates how the facility has been categorized.

## 5.2 PROPERTY ZONES

Figure 5-2 shows the on-base properties categorized as discussed in Section 1.1. These property zones reflect the findings of the EBS for Richards-Gebaur AFB, as discussed in Chapter 3, including identification of areas considered uncontaminated based on the requirements of CERCLA Section 120 (h).

As discussed in Section 3.3, 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, 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.

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, NDI 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.

## 5.3 RESOURCE MAP

The resource map provided (Figure 5-1) shows the findings of the EBS for Richards-Gebaur AFB based on the records search and VSI. The map identifies IRP sites, locations of storage tanks and OWSs, and locations of hazardous substance storage. The following list describes and explains some of the symbols and shading used on the map. Additional symbols are provided in the map legend.

- H = Hazardous materials used or stored within the facility
- M = Medical/biohazardous waste generated within the facility
- W = Hazardous waste generated or stored within the facility (includes accumulation points)
- A = Red = ACM within facility
  Blue = Presence of ACM within facility unknown
- Facility shaded yellow = Facility constructed prior to or during 1978.

## 5.4 DATA GAPS

As discussed in Section 1.1, the EBS identifies data gaps that need to be resolved. The plan for resolving these data gaps will be incorporated into the BCP. Data gaps identified to date are listed below.

- A lead-based paint survey has not been conducted.
- The Belton Training Complex has not been investigated to identify potential contamination from current or past activities.

Figure 5-1. Resource Map (Oversized)

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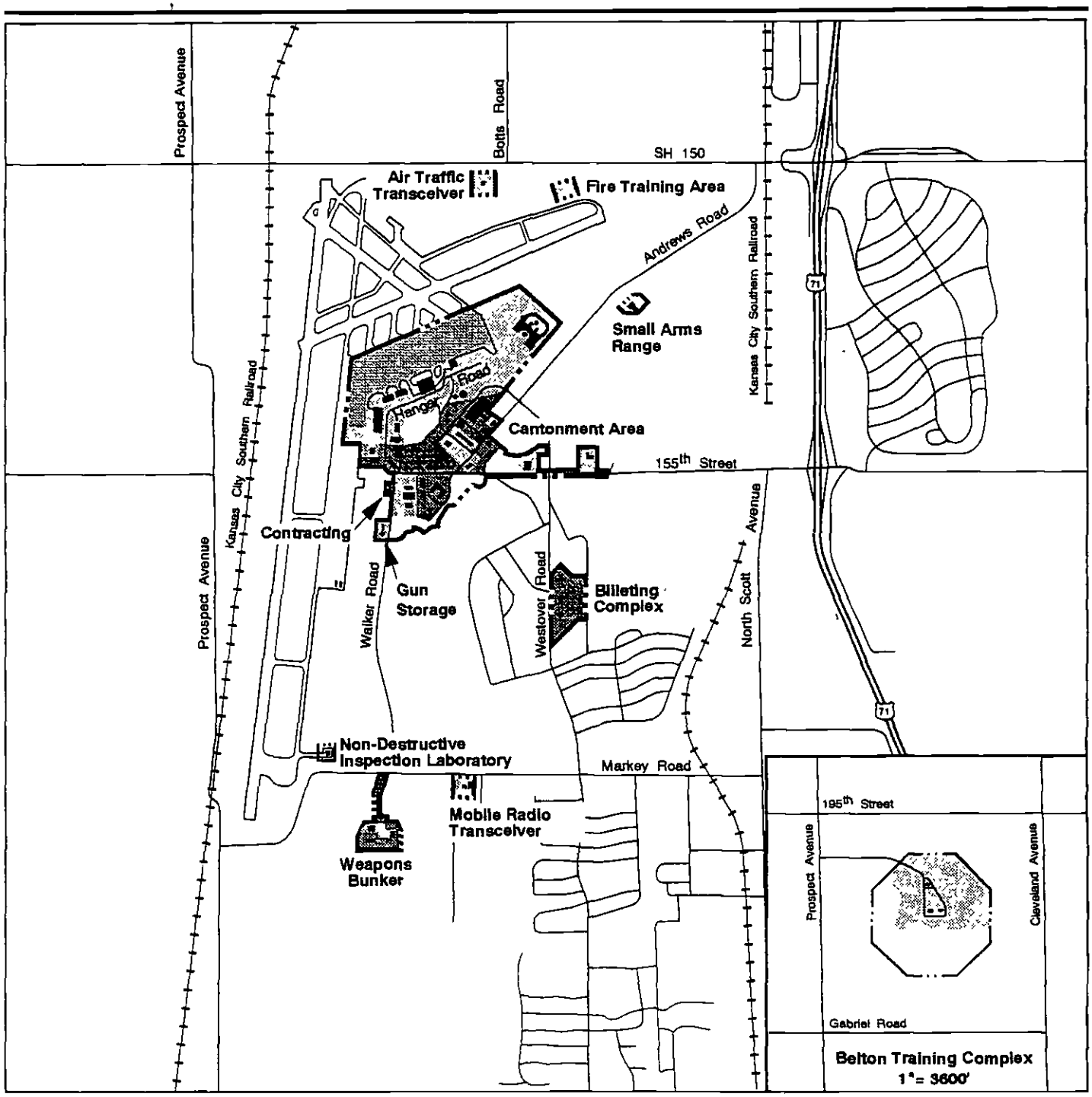


**EXPLANATION**

- 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)
- 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

0 650 1250 2500 Feet

# Property Categorization

**Figure 5-2**

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## Table 5-1. Facility/Property Matrix - Richards-Gebaur AFB
Page 1 of 7

| 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)[a] | | | | |
| 6 (Power Check Pad) | [b] | 1966 | NA | | | | | | | N | X | None | |
| 85 (Weather Transmitter) | [b] | 1963 | NA | | | | | | | N | X | None | 2 |
| 87 (Weather Transmitter) | [b] | 1963 | NA | | | | | | | N | X | None | 2 |
| 105 (Communications Facility) | D 12 | 1954 | 5,752 | | | | AST-A(2)<br>UST-R(7) | Diesel<br>Diesel | 275<br>250 | Y | X | Physical | 7 |
| 243 (Dormitory) | E-1 | 1954 | 21,352 | | | | | | | Y | X | None | 2 |
| 245 (Swimming Pool Water Treatment) | E 1 | 1961 | 64 | | H 2 | | | | | N | X | Physical | 2 |
| 246 (Swimming Pool) | E 1 | 1960 | 3,465 | | | | | | | N | X | None | 2 |
| 247 (Swimmers' Bath House) | E 1 | 1960 | 1,152 | | | | | | | Y | X | None | 2 |
| 248 (Open Mess) | E-1 | 1954 | 23,934 | | H-2 | | | | | Y | X | Physical | 2 |
| 250 (Dormitory) | E-1 | 1954 | 21,352 | | | | | | | Y | X | None | 2 |
| 251 (Tennis Court) | E 1 | 1988 | NA | | | | | | | N | | None | 2 |
| 252 (Dormitory) | E 1 | 1954 | 21,352 | | | | | | | Y | X | None | 2 |
| 601 (Base Medical Facility) | D 8 | 1991 | 10,500 | | | M 2 | | | | N | | Physical | 2 |
| 602 (Flight Simulator Training) | D 12 | 1956 | 16,444 | | H-2 | | AST-A(2)<br>AST A(2)<br>UST-R(7) | Diesel<br>Diesel<br>Diesel | 90<br>275<br>1,000 | Y | X | Physical | 7 |
| 603 (Air Force Clinic) | D 8 | 1955 | 1,000 | | H 2 | | | | | Y | X | Physical | 7 |
| 604 (Air Force Clinic) | D 11 | 1955 | 4,541 | | | M 7 | | | | Y | X | Visual | 7 |
| 605 (Base Engineering Maintenance Shop) | D 11 | 1953 | 15,886 | SS 009(7) | H-2 | W-2 | | | | Y | X | Physical | 7 |
| 606 (Base Engineering Administration) | D-8 | 1953 | 4,450 | | | | | | | Y | X | Physical | 2 |
| 607 (Base Engineering Administration) | D 8 | 1955 | 2,001 | | | | | | | N | X | Visual | 2 |
| 608 (Base Engineering Storage Shed) | D-8 | 1962 | 640 | | | | | | | N | X | Physical | 2 |
| 609 (Base Hazardous Storage) | D 8 | 1962 | 300 | | H-2 | | | | | N | X | Physical | 2 |
| 610 (Base Warehouse Supply and Equipment) | D-8 | 1953 | 106,252 | | H-2 | W-2 | | | | Y | X | Physical | 2 |
| 613 (Base Engineering Storage Shop) | D 8 | 1962 | 644 | | | | | | | N | X | Physical | 2 |

* Air Force facilities on property owned by Kansas City

## Table 5-1. Facility/Property Matrix - Richards-Gebaur AFB
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| 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)[a] | | | | |
| 614 (Administration Office) | D-8 | 1973 | 5,000 | | | | AST-R(2)<br>AST-R(2)<br>AST-R(2) | Diesel<br>MOGAS<br>Diesel | 90<br>50 (2)<br>44 | N | X | Physical | 2 |
| 617 (Disaster Preparedness) | D-8 | 1960 | 4,025 | | | | | | | Y | X | Physical | 2 |
| 618 d (Base Cold Storage) | D 8 | 1954 | 2,982 | | | | | | | | | None | 2 |
| 619 (Branch Exchange) | D 8 | 1954 | 8,124 | | | W-2 | | | | Y | X | Physical | 2 |
| 620 (Document Storage Facility) | D-13 | 1961 | 4,020 | | | W-2 | UST R(7) | Waste acid | 550 | N | X | Physical | 7 |
| 621 (Base Hazardous Storage) | D-8 | 1984 | 192 | | H-2 | | | | | N | | Physical | 2 |
| 622 (Base Hazardous Storage) | D-8 | 1984 | 800 | | H-2 | | | | | N | | Physical | 2 |
| 623 (Base Hazardous Storage) | D 8 | 1984 | 300 | | H 2 | | | | | N | | Physical | 2 |
| 624 (Base Hazardous Storage) | D 8 | 1984 | 240 | | H 2 | | | | | N | | Physical | 2 |
| 625 (Base Hazardous Storage) | D 8 | 1984 | 576 | | H 2 | | | | | N | | Physical | 2 |
| 626 (Base Supply Open Storage) | D 8 | 1986 | 444 | | H 2 | | | | | N | | Physical | 2 |
| 700 (Motor Vehicle Gas Storage) | D 10 | 1989 | NA | | | | AST A(2) | MOGAS | 10 000 | N | | Physical | 7 |
| 701 (Diesel Storage) | D 10 | 1989 | NA | | | W 7 | AST A(2) | Diesel | 10,000 | N | | Physical | 7 |
| 702 (Vehicle Fueling Station) | D 10 | 1989 | 44 | | | | UST R(7)<br>UST-R(7)<br>OWS-R(7)<br>OWS-R(7)<br>OWS-A(2)<br>OWS-A(2) | Gasoline<br>Gasoline<br>Waste oil<br>Waste water<br>Waste water<br>Waste oil | 10,000<br>10 000<br>190<br>50<br>550<br>550 | N | | Physical | 7 |
| 703 (Vehicle Operations Administration) | D 10 | 1954 | 2,200 | | | | | | | Y | X | Physical | 7 |
| 704 (Vehicle Maintenance Shop) | D 10 | 1954 | 16,090 | SS-003(5) | H-2 | W-7 | OWS R(7)<br>OWS-R(7)<br>OWS R(7)<br>OWS R(7)<br>OWS-A(2)<br>OWS-A(2) | Waste oil<br>Waste oil<br>Waste oil<br>Waste oil<br>Waste water<br>Waste oil | 282<br>500<br>500<br>500<br>550<br>550 | Y | X | Physical | 7 |
| 709 (Reserve Forces Aeromedical Engineering Training) | D-8 | 1975 | 5,198 | | | | | | | N | X | Physical | 2 |
| 710 (Reserve Forces Operational Training) | D-8 | 1954 | 44,796 | | H-2 | W-2 | AST-A(2) | Diesel | 275 | Y | X | Physical | 2 |

## Table 5-1. Facility/Property Matrix - Richards-Gebaur AFB
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| 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)[a] | | | | |
| 711 (Vehicle Refueling Shop) | D-10 | 1968 | 1,920 | | | W-2 | AST-A(2)<br>OWS R(7)<br>OWS R(7)<br>UST R(7)<br>OWS R(7)<br>OWS A(2)<br>OWS A(2) | Reclaimed JP-4<br>Waste oil<br>Waste oil<br>JP 4<br>Waste water<br>Waste water<br>Waste oil | 1,000<br>282<br>1,000<br>5,000<br>500<br>550<br>550 | Y | X | Physical | 7 |
| 750 (Recreation Facility) | D 16 | 1962 | NA | | | | | | | N | X | Visual | 1 |
| 754 (Recreation Facility) | D-16 | 1967 | NA | | | | | | | N | X | Visual | 1 |
| 755 (Recreation Facility) | D-16 | 1964 | NA | | | | | | | N | X | Visual | 1 |
| 757 (Sanitary Latrine) | D-16 | 1964 | 238 | | | | | | | N | X | Visual | 1 |
| 801 (Survival Equipment Shop) | I 1 | 1954 | 5,425 | | | | | | | Y | X | Physical | 2 |
| 828 (Weapons and Release Systems Shop) | H 1 | 1958 | 11,276 | | H-2 | W 2 | UST R(7)<br>UST R(7) | Fuel oil<br>Fuel oil | 1,500<br>1,650 | Y | X | Physical | 7 |
| 839 (Non Destructive Inspection Laboratory) | K 1 | 1961 | 6,014 | | H-2 | W-2 | UST R(7) | Fuel oil | 4,000 | Y | X | Physical | 7 |
| 841 (Fixed Tactical Air Navigational System) | [b] | 1956 | 363 | | | | AST A(2) | Diesel | 275 | N | X | Physical | 2 |
| 844 (Equipment Pad) | [b] | 1971 | 360 | | | | | | | N | X | None | 2 |
| 845 (Electrical Power Station) | [b] | Unknown | Unknown | | | | | | | N | X | None | 2 |
| 846 (Equipment Pad) | [b] | 1957 | 234 | | | | | | | N | X | None | 2 |
| 848 (Special Tower) | [b] | 1982 | 25 | | | | | | | N | | None | 2 |
| 900 (Fire Station) | D 8 | 1954 | 12,249 | | | W-2 | | | | Y | X | Physical | 2 |
| 901 (Base Operations) | D 9 | 1954 | 8,879 | | | | AST A(3) | Diesel | 275 | Y | X | Physical | 3 |
| 902 d (Liquid Fuel Pump Station) | D-5 | 1954 | 520 | ST-007(5) | | | UST-R(5) | JP-4 | 25,000 (4) | | | Physical | 5 |
| 903 (Electric Power Station Building) | D 1 | 1961 | 233 | | | | UST-U(7) | Diesel | 250 | N | X | Physical | 7 |
| 904 (Base Hazard Storage) | D 1 | 1957 | 400 | | H 2 | | | | | N | X | Physical | 7 |
| 918 (Maintenance Hangar) | D 1 | 1957 | 73,260 | | H 2 | W-7 | AST A(2) | MOGAS | 20 | Y | X | Physical | 7 |
| 920 (Vehicle Service Rack) | D 11 | 1955 | 1,000 | | | | OWS R(7)<br>OWS R(7)<br>OWS-A(2)<br>OWS-A(2) | Waste oil<br>Waste oil<br>Waste water<br>Waste oil | 200<br>500<br>550<br>550 | N | X | Physical | 7 |
| 921 (Diesel Storage) | D-11 | 1955 | NA | | | | AST-R(2) | Diesel | 1,000 | N | X | Physical | 7 |

## Table 5-1. Facility/Property Matrix - Richards-Gebaur AFB
Page 4 of 7

| 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)[4] | | | | |
| 922 (Open Storage) | D-11 | Unknown | Unknown | | | | | | | N | X | Physical | 7 |
| 923 (Base Engineering Storage Shed) | D-11 | 1961 | 6,256(5) | SS-004(5) | H-2 | | | | | N | X | Physical | 7 |
| 924 (Base Engineering Paving Ground Facility) | D-11 | 1958 | 576 | | | W-7 | | | | N | X | Physical | 7 |
| 925 (Reserve Forces Training) | D-8 | 1962 | 3,454 | | | | | | | Y | X | Physical | 2 |
| 926 (Headquarters Group) | D-8 | 1959 | 5,364 | | | | | | | Y | X | None | 2 |
| 927 (Jet Engine Inspection and Maintenance Shop) | D-1 | 1959 | 13,278 | SS-006(5) | H-2 | W-2 | UST-A(7)<br>OWS-I(7)<br>OWS-I(7) | Waste oil<br>Waste water<br>Waste solvents | 500<br>400<br>100 | Y | X | Physical | 7 |
| 928 (Base Engineering Hazardous Storage) | D-1 | 1989 | 182 | | H-2 | W-2 | | | | N | | Physical | 7 |
| 930 (Electronic Counter Measures Pad Shop/Storage) | D-1 | 1961 | 14,695 | | H-2 | | | | | Y | X | Physical | 7 |
| 931 (Liquid Oxygen Storage) | D-8 | 1964 | 2,308 | | | | | | | N | X | Physical | 2 |
| 936 (Base Hazardous Storage | D-8 | 1976 | 960 | | H-2 | | | | | N | X | Physical | 2 |
| 937 (Base Hazardous Storage) | D-8 | 1954 | 640 | | H-2 | | | | | N | X | Physical | 2 |
| 938 (Water Pump Station) | D-1 | Unknown | Unknown | | | | UST R(7) | Gasoline | 100 | N | X | Physical | 7 |
| 940 (Aircraft General Purpose Shop) | D-1 | 1955 | 71,813 | | H-2 | | OWS-R(7)<br>OWS R(7) | Waste water<br>Waste oil | 275<br>1,075 | Y | X | Physical | 7 |
| 941 (Truck Fill Stand) | D-1 | 1955 | NA | | | | | | | N | X | Physical | 7 |
| 942 (Heating Facility Building) | D-1 | 1955 | 2,568 | | | | UST R(7) | Fuel oil #2 | 15,000 (2) | Y | X | Physical | 7 |
| 943 (Industrial Waste Treatment and Disposal Detention Reservoir) | D-1 | 1975 | NA | | | | | | | N | X | Physical | 7 |
| 944 d (Engine Test Cell) | D-1 | 1956 | NA | | | | OWS R(7)<br>AST-R(2)<br>OWS-R(7) | Waste fuel/oil<br>JP-4<br>Waste oil | 1,000<br>2,500<br>140 | | X | Physical | 7 |
| 945 (Aircraft Wash Pad) | D-1 | 1952 | 60,003 | SS-008(7) | | | AST-R(2)<br>AST-R(2) | JP-4<br>Waste PD-680, paint thinner, POL | 500 (2)<br>1,000 (2) | N | X | Physical | 7 |
| 946 (Base Hazardous Storage) | D-1 | 1960 | 300 | | | | | | | N | X | Physical | 7 |

71 098

# General Testing Laboratories, Inc.

Engineering — Chemical Consultants

1517 WALNUT STREET / KANSAS CITY, MISSOURI 64108 / 816-471-1205

50 Years of Service

Date July 29 198 8 Number 74414

Sample of 14 Samples Sample # 958-004

Marked Richards Gebaur AFB # 2, 7-15 - Received in lab 7-15-88

Client E P I C, Inc., ATTN: Conny Todd

TOTAL METALS

| | |
|---|---|
| Arsenic | < 0.05 ppm |
| Barium | < 0.5 ppm |
| Cadmium | < 0.5 ppm |
| Chromium | < 0.5 ppm |
| Lead | 1.9 ppm |
| Mercury | < 0.01 ppm |
| Selenium | < 0.05 ppm |
| Silver | < 0.5 ppm |
| Polychlorinated Biphenyls | < 1.00 ppm |

GENERAL TESTING LABORATORIES, INC.

By Dale Hoover

(1)cl



Form 110

## Table 5-1. Facility/Property Matrix - Richards-Gebaur AFB
## Page 5 of 7

| 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)[a] | | | | |
| 947 (Corrosion Control Utility Storage) | D-1 | 1958 | 360 | | | | UST-R(7) | Solvent-based cleaning compound | 6,000 | N | X | Visual | 7 |
| 948 (Fuel Systems Maintenance Dock) | D 1 | 1963 | 24,014 | | H-2 | W-2 | UST-R(7)<br>UST-R(7) | Waste oil<br>Fuel oil #2 | 500<br>6,000 | Y | X | Physical | 7 |
| 949 (Corrosion Control Utility Storage) | D 1 | 1963 | 240 | | | | | | | N | X | Physical | 7 |
| 950 (Transformer Storage) | D-1 | Unknown | Unknown | | | | | | | N | X | Physical | 7 |
| 951 (Base Engineering Maintenance Shop) | D-2 | 1954 | 766 | ST 005(6) | | | | | | Y | X | Physical | 6 |
| 952 (Truck Fill Stand) | D 2 | 1954 | NA | ST-005(6) | | | | | | N | X | Physical | 6 |
| 953 (Liquid Fuel Pump Station) | D 2 | 1954 | 518 | ST 005(6) | | W 2 | AST R(2) | Diesel | 44 | N | X | Physical | 6 |
| 954 (Heating Fuel Oil Storage) | D-1 | 1954 | NA | ST-005(6) | | | AST-I(7) | Heating oil | 260,000 | N | X | Physical | 7 |
| 955 (Jet Fuel Storage) | D 2 | 1954 | NA | ST-005(6) | | | AST-A(2) | JP-4 | 187,000 | N | X | Physical | 6 |
| 957 (Jet Fuel Storage) | D-2 | 1956 | NA | ST 005(6) | | | AST-A(2) | JP-4 | 210,000 | N | X | Physical | 6 |
| 958 (Aircraft Support Equipment Shop) | D 1 | 1963 | 4,000 | | H-2 | W 2 | UST-R(7)<br>AST-R(2) | Fuel oil #2<br>Waste PD-680, paint thinner, POL | 250<br>500 | Y | X | Physical | 7 |
| 959 (Base Hazardous Storage) | D 1 | 1989 | 140 | | H-2 | W-2 | | | | N | | Physical | 7 |
| 960 (Liquid Fuel Stand) | D-1 | 1955 | NA | | | | | | | N | X | Physical | 7 |
| 961 (Aircraft Wash Rack Pad) | D-1 | 1963 | 40,203 | | | | | | | N | X | Physical | 7 |
| 962 (Aircraft Support Equipment Shop) | D 1 | 1984 | 1,875 | | | | UST A(7)<br>UST-A(7) | JP-4<br>Gasoline | 4,000<br>4,000 | N | | Physical | 7 |
| 963 (Aboveground Storage Tank) | D-1 | Unknown | Unknown | | | | AST-A(7) | Solvent | 500 | N | X | Physical | 7 |
| 964 (Liquid Oxygen Storage) | D 1 | 1990 | 1,031 | | H-2 | | | | | N | | Physical | 7 |
| 965 (Aircraft General Purpose Shop) | D 1 | 1966 | 22 187 | | H 2 | W 7 | UST R(7) | Waste oil | 12 000 | Y | X | Physical | 7 |
| 966 (Maintenance Dock) | D-1 | 1966 | 22,339 | | H-2 | W-2 | | | | Y | X | Physical | 7 |
| 968 (Test Stand) | D-1 | 1982 | NA | | | | | | | N | | Physical | 7 |
| 970 (Refueling Vehicle Parking) | D-14 | 1988 | 2,520 | | | W-2 | | | | N | | Physical | 7 |
| 971 (Petroleum Operations) | D 14 | 1988 | 1,500 | | H-2 | | | | | N | | Physical | 7 |
| 972 (Base Hazardous Storage) | D-1 | 1989 | 256 | | | W-2 | | | | N | | Physical | 7 |
| 973 (Base Hazardous Storage) | D-1 | 1989 | 1,200 | SS-006(7) | | W-2 | | | | N | | Physical | 7 |

## Table 5-1. Facility/Property Matrix - Richards-Gebaur AFB
Page 6 of 7

| 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)[a] | | | | |
| 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 | 1953 | 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 I(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 | | H-2 | W-2 | UST R(7) | Fuel oil #2 | 1,500 | Y | X | Physical | 7 |
| | | | | | | | UST R(7) | Fuel oil #2 | 1 650 | | | | |
| 1203 (Storage Magazine Aboveground) | G 1 | 1961 | 5,644 | | H 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 |

## Table 5-1. Facility/Property Matrix - Richards-Gebaur AFB
Page 7 of 7

| 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)[a] | | | | |
| 1601 (Reserve Forces Operational Training) | J-1 | 1956 | 1,267 | | | | | | | N | X | Physical | 7 |
| 1602 (Reserve Forces Operational Training) | J-1 | 1960 | 35 | | | | | | | N | X | Physical | 7 |
| 1604 (Reserve Forces Operational Training) | J-1 | 1966 | 543 | | | | | | | N | X | Physical | 7 |
| 1605 (Generator Building) | J 1 | Unknown | Unknown | | | | | | | N | X | Physical | 7 |
| 1800 (Instrument Landing System Marker Beacon) | [b] | Unknown | Unknown | | | | | | | N | X | None | 7 |
| 1900 (Instrument Landing System Marker Beacon) | [b] | Unknown | Unknown | | | | | | | N | X | None | 2 |
| 9470 (OWS and Waste Storage) | D 1 | 1958 | NA | | | | OWS-A(7) | Waste oil | 282 | N | | Physical | 7 |
| | | | NA | | | | OWS A(7) | Waste oil | 1,000 | | | | |
| | | | | | | | OWS B(7) | Waste oil | 1,500 | | | | |
| | | | | | | | OWS B(7) | Waste oil | 7,800 | | | | |
| | | | | | | | OWS A(2) | Waste water | 550 | | | | |
| | | | | | | | OWS A(2) | Waste oil | 550 | | | | |
| 9610 (Fuel Storage) | D-2 | 1958 | NA | ST-005(6) | | | AST-I(2) | MOGAS | 10,000 | N | X | Physical | 6 |
| | | | | | | | AST-I(2) | Diesel | 10,000 | | | | |

Note (a) Numbers in parentheses indicate number of tanks if more than one
(b) Air Force owned/operated facilities on non-Air Force property

A = Active
ACM = Asbestos-containing material
AST = Aboveground storage tank
d = Building has been demolished
H = Facility usage included storage of hazardous materials
I = Inactive
M = Medical/biohazardous waste generated within the facility
MOGAS = Motor gasoline.
N = No suspected ACM identified, or facility type excludes the use of ACM, or facility constructed in 1988 or later and no ACM is assumed
NA = Not applicable
OWS = Oil/water separator
POL = Petroleum, oils, and lubricants
R = Removed
U = Unknown status
UST = Underground storage tank
W = Facility where hazardous wastes were generated or stored
X = Facility was constructed prior to or during 1978
Y = Yes

Table 5-2. Property/Facility Key
Page 1 of 4

| Property ID Number, Property Category | Facility (Use) |
|---|---|
| A-1,7 | 1025 (Air Traffic Transceivers) |
| | 1027 (Support Structure Antenna) |
| B-1,7 | 1033 (Fireman Training Facility) |
| C-1,7 | 1049 (Range Control House) |
| | 1050 (Storage Magazine Aboveground) |
| D-1,7 | 903 (Electric Power Station Building) |
| | 904 (Base Hazard Storage) |
| | 918 (Maintenance Hangar) |
| | 927 (Jet Engine Inspection and Maintenance Shop) |
| | 928 (Base Engineering Hazardous Storage) |
| | 930 (Electronic Counter Measures Pad Shop/Storage) |
| | 938 (Water Pump Station) |
| | 940 (Aircraft General Purpose Shop) |
| | 941 (Truck Fill Stand) |
| | 942 (Heating Facility Building) |
| | 943 (Industrial Waste Treatment and Disposal Detention Reservoir) |
| | 944-d (Engine Test Cell) |
| | 945 (Aircraft Wash Pad) |
| | 946 (Base Hazardous Storage) |
| | 947 (Corrosion Control Utility Storage) |
| | 948 (Fuel Systems Maintenance Dock) |
| | 949 (Corrosion Control Utility Storage) |
| | 950 (Transformer Storage) |
| | 958 (Aircraft Support Equipment Shop) |
| | 959 (Base Hazardous Storage) |
| | 960 (Liquid Fuel Stand) |
| | 961 (Aircraft Wash Rack Pad) |
| | 962 (Aircraft Support Equipment Shop) |
| | 963 (Aboveground Storage Tank) |
| | 964 (Liquid Oxygen Storage) |
| | 965 (Aircraft General Purpose Shop) |
| | 966 (Maintenance Dock) |
| | 968 (Test Stand) |
| | 970 (Refueling Vehicle Parking) |
| | 971 (Petroleum Operations) |
| | 972 (Base Hazardous Storage) |
| | 973 (Base Hazardous Storage) |
| | 9470 (OWS and Waste Storage) |
| D-2,6 | 951 (Base Engineering Maintenance Shop) |
| | 952 (Truck Fill Stand) |
| | 953 (Liquid Fuel Pump Station) |
| | 954 (Heating Fuel Oil Storage) |
| | 955 (Jet Fuel Storage) |

Table 5-2. Property/Facility Key
Page 2 of 4

| Property ID Number, Property Category | Facility (Use) |
|---|---|
| D-2,6 (Continued) | 957 (Jet Fuel Storage) |
| | 9610 (Fuel Storage) |
| D-3,1 | Open land in central part of Cantonment Area |
| D-4,3 | Aircraft Apron |
| D-5,5 | 902-d (Liquid Fuel Pump Station) |
| D-6,1 | 750 (Recreation Facility) |
| | 754 (Recreation Facility) |
| | 755 (Recreation Facility) |
| | 757 (Sanitary Latrine) |
| D-7,1 | Open land north of Arnold Avenue, west of Facility 602 |
| D-8,2 | 601 (Base Medical Facility) |
| | 603 (Air Force Clinic) |
| | 606 (Base Engineering Administration) |
| | 607 (Base Engineering Administration) |
| | 608 (Base Engineering Storage Shed) |
| | 609 (Base Hazardous Storage) |
| | 610 (Base Warehouse Supply and Equipment) |
| | 613 (Base Engineering Storage Shop) |
| | 614 (Administration Office) |
| | 617 (Disaster Preparedness) |
| | 618-d (Base Cold Storage) |
| | 619 (Branch Exchange) |
| | 621 (Base Hazardous Storage) |
| | 622 (Base Hazardous Storage) |
| | 623 (Base Hazardous Storage) |
| | 624 (Base Hazardous Storage) |
| | 625 (Base Hazardous Storage) |
| | 626 (Base Supply Open Storage) |
| | 710 (Reserve Forces Operational Training) |
| | 900 (Fire Station) |
| | 925 (Reserve Forces Training) |
| | 926 (Headquarters Group) |
| | 931 (Liquid Oxygen Storage) |
| | 936 (Base Hazardous Storage |
| | 937 (Base Hazardous Storage) |
| D-9,3 | 901 (Base Operations) |
| D-9,7 | 709 (Reserve Forces Aeromedical Engineering Training) |
| D-10,7 | 700 (Motor Vehicle Gas Open Air Storage) |
| | 701 (Diesel Open Air Storage) |
| | 702 (Vehicle Fueling Station) |
| | 703 (Vehicle Operations Administration) |
| | 704 (Vehicle Maintenance Shop) |
| | 711 (Refueling Vehicles Shop) |

## Table 5-2. Property/Facility Key
Page 3 of 4

| Property ID Number, Property Category | Facility (Use) |
|---|---|
| D-11,7 | 605 (Base Engineering Maintenance Shop) |
| | 920 (Vehicle Service Rack) |
| | 921 (Diesel Storage) |
| | 922 (Open Storage) |
| | 923 (Base Engineenng Storage Shed) |
| | 924 (Base Engineenng Paving Ground Facility) |
| D-12,7 | 105 (Communications Facility) |
| | 602 (Flight Simulator Training) |
| | 604 (Air Force Clinic) |
| D-13,7 | 620 (Document Storage Facility) |
| E-1,2 | 243 (Dormitory) |
| | 245 (Swimming Pool Water Treatment) |
| | 246 (Swimming Pool) |
| | 247 (Swimmers' Bath House) |
| | 248 (Open Mess) |
| | 250 (Dormitory) |
| | 251 (Tennis Court) |
| | 252 (Dormitory) |
| F-1,7 | 1100 (Mobile Radio Transceiver) |
| | 1101 (Support Structure Antenna) |
| G-1,2 | 1203 (Storage Magazine Aboveground) |
| | 1205 (Base Hazardous Storage) |
| | 1207 (Equipment Pad) |
| G-2,2 | 1206 (Spares Inert Storage) |
| G-2,7 | 1201 (Weapons System Maintenance Management Facility) |
| | 1202 (Missile Assembly and Training) |
| H-1,7 | 828 (Weapons and Release Systems Shop) |
| I-1,2 | 801 (Survival Equipment Shop) |
| J-1,7 | 1600 (Reserve Forces Operational Training) |
| | 1601 (Reserve Forces Operationel Training) |
| | 1602 (Reserve Forces Operational Training) |
| | 1604 (Reserve Forces Operational Training) |
| | 1605 (Generator Building) |
| J-2,1 | Open land, southern half of Belton Training Complex |
| K-1,7 | 839 (Non-Destructive Inspection Laboratory) |
| (a),3 | 6 (Power Check Pad) |
| (a),2 | 85 (Weather Transmitter) |
| (a),2 | 87 (Weather Transmitter) |
| (a),2 | 841 (Fixed Tactical Air Navigational System) |
| (a),2 | 844 (Equipment Pad) |
| (a),2 | 845 (Electrical Power Station) |
| (a),2 | 846 (Equipment Pad) |

Note: (a) Air Force facilities on property owned by Kansas City

Table 5-2. Property/Facility Key
Page 4 of 4

| Property ID Number, Property Category | Facility (Use) |
|---|---|
| (a),2 | 848 (Special Tower) |
| (a),2 | 1011 (Electrical Power Station) |
| (a),2 | 1401 (Instrument Landing System Localizer) |
| (a),2 | 1900 (Instrument Landing System Marker Beacon) |
| (a),7 | 1009 (Instrument Landing System Localizer) |
| (a),7 | 1800 (Instrument Landing System Marker Beacon) |

Note: (a) Air Force facilities on property owned by Kansas City

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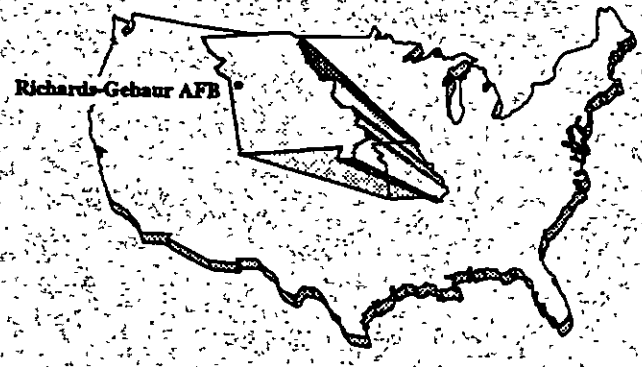
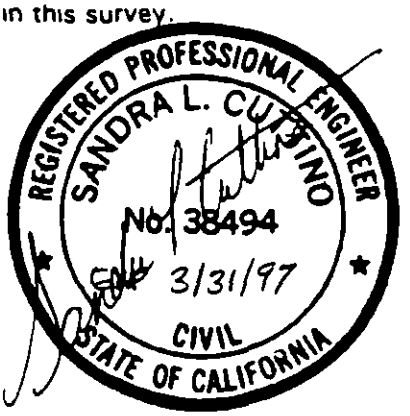



# CHAPTER 6

71 108

CERTIFICATION OF THE
RICHARDS-GEBAUR AIR FORCE BASE, MISSOURI
ENVIRONMENTAL BASELINE SURVEY

The Environmental Baseline Survey of Richards-Gebaur Air Force Base utilized only those techniques, procedures, and processes described in this report. In our professional judgment and opinion, the facts and conditions depicted are accurate and are subject to limitations inherent in the investigative techniques used and any expressed limitations in this survey.




Sandra L. Cuttino 1 Dec 93

Sandra L. Cuttino, P.E. — Date
Program Director
Air Force Base Closure - BRAC II

I certify that the property conditions and data presented in this draft report indicate the environmental condition of property noted herein, and was based on a review of available records, visual inspections, and sampling results available at the time of the survey.

P. Mark Esch — 6 DEC 93

P. Mark Esch — Date
BRAC Environmental Coordinator
OLQ, AFBCA

I have reviewed the preparer's methodology and report, and concur with the methodology and findings to the best of my knowledge and belief.

Marion L. Erwin — 2 DEC 93

Marion Erwin, HQ AFCEE, Project Manager — Date

The conditions noted in this report are true to the best of my knowledge and belief.

T. L. Pohlman — 9 Dec 93

Theresa Pohlman, HQ AFBCA, Program Manager — Date

Michael F. Larson — 9 Dec 93

Michael Larson, HQ AFBCA, Environmental Reviewer — Date

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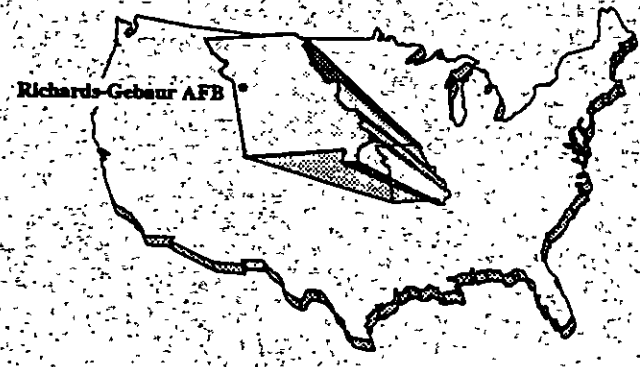
# APPENDICES




# APPENDIX A

# APPENDIX A

# REFERENCES

# REFERENCES

American Society for Testing and Materials, 1993 Standard Practice for Environmental Site Assessments Phase I Environmental Site Assessment Process

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# APPENDIX B

# APPENDIX B

## SAMPLE FORMS

Chemical Inventory

| NSN | Mil Spec | Manufacturer | Nomenclature | Quantity Used | Disposal | IEC |
|---|---|---|---|---|---|---|
| ** 015A - 442 MUNITIONS FLIGHT/MUNITIONS GUN/RELEAS | | | | | | |
| 8030-00-148-9833 | S-46163 | LOCTITE CORP | ADHESIVE 271 LOCTITE | 36.0 OZS/yr | IN PROCESS | N |
| 8040-01-137-8418 | N/A | HYSOL CHEM CORP | ADHESIVE EA9330 2PTS PTA&B | 12.0 KTS/yr | IN PROCESS | N |
| 8040-01-137-8418 | N/A | HYSOL CHEM CORP | ADHESIVE EA9330 2PTS PTA&B | 12.0 KTS/yr | IN PROCESS | N |
| 8040-00-576-2014 | N/A | STEVEN INDUSTRIES FOR (3M) | ADHESIVE EC-1022 3M | 1.0 QTS/yr | IN PROCESS | S |
| 3439-00-255-9935 | S-F-506 | L.B. ALLEN CO, INC | ALLEN SOLDER PASTE FLUX | 3.8 OZS/yr | IN PROCESS | N |
| 8030-00-081-2328 | -S-22473 | SAF-T-LOK CHEM CORP | ANEROBIC ADHESIVE SEALANT | 12.0 BT /yr | IN PROCESS | N |
| 8030-00-087-8630 | T-83483 | MAKOOR PRODUCTS CO | ANTISEIZE COMPOUND | 12.0 LBS/yr | IN PROCESS | N |
| 8040-00-598-5164 | N/K | BOSTIK (EMHART INDUSTRIES INC) | BOSTIK PRIMER ADHESIVE | 1.0 QTS/yr | IN PROCESS | 9 |
| 9150-00-687-4241 | -46000 | CASTROL INC BRAY PRODUCTS INC | BVRAYCOTE 646 | 3.0 QT /yr | IN PROCESS | N |
| 6850-00-005-5305 | -C-43616 | SPEER PRODUCTS CO | CLEANING COMPOUND ACFT SURFACE | 36.0 CNS/yr | IN PROCESS | N |
| 6850-00-105-3084 | C-81302 | CHEMTRONICS INC | CLEANING COMPOUND SOLVENT | 72.0 CNS/yr | IN PROCESS | 8 |
| 8030-01-041-1596 | C-85054 | BULK CHEM DIST INC | CORROSION PREVENTIVE CMPD TY I | 6.0 CN /yr | IN PROCESS | N |
| 8030-00-546-8637 | C-81309 | BULK CHEM. DIST. INC | CORROSION PREVENTIVE COMP TIII | 24.0 PTS/yr | IN PROCESS | 8 |
| 6850-00-973-3122 | PD-157 | CHEM COMMOD. AGENCY | DGSC PD-157 CLEANSLUBE | 72.0 CNS/yr | IN PROCESS | 8 |
| 9150-00-F00-5368 | N/A | ENERPAC, DIV APPLIED POWDER | ENERPAC HYDRAULIC OIL | 1.2 GAL/yr | IN PROCESS | N |
| 9150-01-035-5390 | L-21050 | SULFLO | GEAR OIL 75W LUBRICANT | 0.6 QTS/yr | IN PROCESS | N |
| 9150-00-190-0905 | G-10924 | SULFLO INC | GREAS AUTO AND ARTILLERY | 6.0 GAL/yr | IN PROCESS | N |
| 9150-01-071-0749 | N/A | DIXON TICONDEROGA COMPANY | GREASE ACFT ORDNANCE | 1.0 CN /yr | IN PROCESS | N |
| 9150-00-292-9689 | G-81827 | ROYAL LUBRCANTS CO INC | GREASE AIRCRAFT | 12.0 QTS/yr | IN PROCESS | N |
| 9150-00-985-7317 | | DOW CORNING CORP | GREASE MOLY DISULFIDE | 12.0 CNS/yr | IN PROCESS | N |
| 9150-00-223-4004 | G-21164 | ROYAL LUBRICANTS CO INC | GREASE MOLYBDENUM DISULFIDE | 1.0 GAL/yr | IN PROCESS | N |
| 9150-00-985-7246 | G-25013 | ROYAL LUBRICANTS | GREASE, ARCFT AND INSTRUMENT | 36.0 CNS/yr | IN PROCESS | N |
| 9150-00-141-6770 | G-25013 | ROYAL LUBRICANTS | GREASE,BALL AND ROLLER BEARING | 12.0 QTS/yr | IN PROCESS | N |
| 5970-00-161-7422 | N/K | WESTINGHOUSE ELECTR. CORP | INSULATING VARNISH REQ ENAMEL | 0.1 GAL/yr | IN PROCESS | 9 |
| 6810-00-286-5435 | TT-I-735 | RANDOLF PRODUCTS CO | ISOPROPYL ALCOHOL | 1.0 GAL/yr | IN PROCESS | 8 |
| 9150-00-458-0075 | VV-L-800A | BULK CHEM CO | LUBE OIL GEN PURPOSE | 120.0 CNS/yr | IN PROCESS | N |
| 9150-00-543-7220 | L-25681 | PROCESS RESEARCH PRODUCTS | LUBRICANT MOLYBDENUM DISULFIDE | 12.0 LB /yr | IN PROCESS | N |
| 9150-00-948-6912 | -46010 | SANOSTROM PROD. COMPANY | LUBRICANT SOLID FILM | 12.0 QTS/yr | IN PROCESS | 9 |
| 9150-00-119-9291 | S-4343C | DOW CORNING CORP | O-RING LUBRICANT | 12.0 TBS/yr | IN PROCESS | N |
| 8010-00-936-8367 | L-111950 | LHB INDUSTRIES | OLIVE DRAB #34088 SD-SURE | 72.0 PTS/yr | IN PROCESS | 9 |
| 9150-01-260-2534 | L-22398 | E/M CORP OF GREAT LAKES CHEM | PERMA-SILK 6 LUBRICANT AEROSOL | 120.0 CNS/yr | IN PROCESS | 8 |
| 8030-00-008-7205 | S-81733 | PRODUCT RESEARCH & CHEM CORP | PR1431-G AND GT SEALING 2 PART | 12.0 KT /yr | IN PROCESS | 9 |
| 8010-00-F00-6323 | N/A | PWC | PWC201 ZCPRIMER | 24.0 PTS/yr | IN PROCESS | 9 |
| 9150-00-145-0269 | G-81222 | ROYAL LUBRICANTS CO. | ROYCO 22 ACFT GREASE | 24.0 CNS/yr | IN PROCESS | N |
| 9150-01-104-5227 | -L-85336 | ROYAL LUBRICANTS CO INC | ROYCO 36 LUBRICATING OIL WPNS | 24.0 QTS/yr | IN PROCESS | N |
| 9150-00-754-2595 | C-21164D | ROYAL LUBRICANTS CO | ROYCO 640 GREASE | 12.0 CNS/yr | IN PROCESS | N |
| 8040-00-117-8512 | N/A | DOW CORNING CORP. | RTV-3145 ADHESIVE SEALANT | 12.0 TUB/yr | IN PROCESS | N |
| 8040-00-181-8382 | N/A | GENERAL ELECTRIC CO. | RTV157 SILICONE SEALANT | 12.0 TBS/yr | IN PROCESS | N |
| 6810-00-F00-0599 | N/A | SAFETY-KLEEN CORP | SAFETY-KLEEN 140 | 1800.0 GAL/yr | IN PROCESS | N |
| 8030-00-297-6677 | S-8516 | GOAL CHEM SEALANTS CORP | SEALING COMPOUND EC-1300 | 12.0 OZS/yr | IN PROCESS | N |
| 6850-00-294-0860 | | NONFLUID OIL CO | SILICON COMPOUND | 12.0 OZ /yr | IN PROCESS | N |
| 6850-00-880-7615 | -S-8660 | DOW CORNING CORP | SILICONE ADHESIVE PT#4 | 24.0 TBS/yr | IN PROCESS | N |
| 9150-00-823-7060 | N/A | WALTER INTERNATIONAL CORP | SLYDE LUBR COMP SILICONE | 24.0 CNS/yr | IN PROCESS | N |
| 8040-00-142-9192 | N/K | LOCTITE CORP | SUPER GLUE | 12.0 OZS/yr | IN PROCESS | 9 |
| 9150-00-175-9151 | N/A | TAPMATIC CORP | TAPMATIC (T-F) CUTTING FLUID#1 | 1.0 PTS/yr | IN PROCESS | N |
| 7510-00-419-9564 | TT-I-1795 | MARSH STENCIL MARKING CO | WHITE STENCIL INK 37875 | 12.0 PTS/yr | IN PROCESS | N |
| 7510-00-469-7910 | TT-I-1795 | MARSH STENCIL MACHINE CO. | Z2A MARSH BLACK STENCIL | 12.0 PTS/yr | IN PROCESS | 9 |
| 8010-PP-WC2-01 | N/A | PACIFIC WEST CHEM CORP | Z2B PWC Z01 Z.C. PRIMER | 12.0 PTS/yr | IN PROCESS | 9 |
| 8010-PP-WC2-46 | N/A | PACIFIC WEST CHEM CORP | Z2C DARK BLACK PWC Z10-298 | 24.0 PTS/yr | IN PROCESS | 9 |

71 124

# INDUSTRIAL HYGIENE SAMPLING DATA

OEHL USE ONLY

(Use this space for mechanical imprint)

WORKPLACE IDENTIFIER: BASE 0 1 6 6 | F A M | ORGANIZATION 0 1 5 A

WORKPLACE: RichardsonGebaur — 442 CAMS

Munitions (Gun/Release)

DATE COLLECTED (YYMMDD): 8 7 0 6 2 7

BLDG NO./LOCATION: 828

ROOM/AREA: Vat tRoom

MAIL REPORTS TO (copies as charged):
- ORIGINAL: 0166 — 442 CSG/SCPB — Richards--Gebaur AFB, MO 64030
- COPY 1: 0203 — USAF HOSP/SCPB — Whiteman AFB, MO 65305
- COPY 2:

SAMPLE COLLECTED BY (Name, grade, AFSC): 09756 FELIPITA B. BENSON, R.N., GS-09

SIGNATURE: Felipita B Benson

AUTOVON: 463-2144

REASON FOR SUBMISSION: H R

A-ACCIDENT/INCIDENT C COMPLAINT F-FOLLOWUP/CLEANUP R-ROUTINE/PERIODIC SURVEY O-OTHER (Specify)

OEHL PID:

SOURCE BEING SAMPLED: Breathing zone of worker during cleaning operations and Coating tanks

EXISTING CONTROLS (Personal Protective Equipment, Engineering, Administrative): Ambient air

## SAMPLE COLLECTION DATA

| | | | |
|---|---|---|---|
| EMPLOYEE NAME & SSAN OR SAMPLE LOCATION | REIFEISS, COLT 524-13-0253 | Same | |
| OEHL SAMPLE NO. | | | |
| BASE SAMPLE NO. | SZ8700366 | SZ8700377 | BKK8700388 |
| COLLECTING MEDIA | ~~STST~~ PD3M 101 | PD3M 101 | CTxx 101 |
| ANALYSES REQUESTED A NAME | Dichloromethane | TDluene | |
| A NIOSH NO. | PA8200600 X S52500000 | | |
| B NAME | Methylene Chloride | Xylene | |
| B NIOSH NO. | PA8050000 ZE219 0000 | | |
| C NAME | | | |
| C NIOSH NO. | | | |
| D NAME | | | |
| D NIOSH NO. | | | |
| PUMP OR MONITOR NO. | ~~DuPont~~ 3534 | ~~NA~~ CP0115 | |
| COLLECTION TIME: OFF/ON | ~~1500~~ / 1315 | 1505 / 1315 | / |
| TOTAL COLLECTION TIME | 110 min | 110 min | |
| FLOW RATE: ON/OFF | .20cc/min | | / |
| VOLUME SAMPLED | 2.2L | | |
| TEMPERATURE/BAROMETER | 29°C / 28.936 | Same | / |
| RELATIVE HUMIDITY/WIND | 42.6% / | Same | / |
| SUPPORTING SAMPLES OEHL SAMPLE NO. | | | |
| SUPPORTING SAMPLES BASE SAMPLE NO. | | | |
| SUPPORTING SAMPLES NOMENCLATURE | | | |

COMMENTS

## SUMMARY OF SURVEY RESULTS (See reverse for calculations)

| CALCULATED EXPOSURE CONCENTRATIONS | STANDARDS |
|---|---|
| 0.38 (RM) (38%) | 1.0 (TM) (100%) |

B-2 AF FORM 2750 JAN 81

71 125

# BULK MATERIAL SAMPLING DATA

OEHL USE ONLY

Use this space for mechanical imprint.

WORKPLACE OR SITE IDENTIFIER: 0166 FAMU 0015A

BASE: Richards-Gebaur AFB, MO

ORGANIZATION: 442 CAMS

WORKPLACE OR SITE: Bldg. 828

DATE COLLECTED (YYMMDD): 850603

BLDG NO LOCATION: 828

ROOM/AREA: Flight Line Area

MAIL REPORTS TO (circle if change)

| | | |
|---|---|---|
| ORIGINAL | 0166 | 442 CSG/SGPB Richards-Gebaur AFB, MO 64030-5000 |
| COPY 1 | 0166 | 442 CSG/DE Richards-Gebaur AFB, MO 64030-5000 |
| COPY 2 | 0203 | USAF HOSP/SGPB Whiteman AFB, MO 65305-5360 |

SAMPLE COLLECTED BY (Name Grade AFSC): FELIPITA B. BENSON, R.N. GS-09

SIGNATURE: Felipita B. Benson

AUTOVON: 463-2164

REASON FOR SUBMISSION: R (A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER)

OEHL PID:

SOURCE BEING SAMPLED: Frayed material from around explosion proof light fixtures.

EXISTING CONTROLS (Personal protective equipment, Engineering, Administrative): None

## SAMPLE COLLECTION DATA

| | | | | |
|---|---|---|---|---|
| OEHL SAMPLE NUMBER | | | | |
| BASE SAMPLE NUMBER | | | GM850121 | |
| ANALYSES REQUESTED | A | CHECK FOR | [X] MAJOR COMPONENTS | [ ] MAJOR COMPONENTS |
| | B | NAME | Asbestos | |
| | | NIOSH NO | CI647500 0 | |
| | C | NAME | | |
| | | NIOSH NO | | |
| | D | NAME | | |
| | | NIOSH NO | | |
| | E | CHECK FOR | [X] HAZARDOUS/TOXIC WASTE | [ ] HAZARDOUS/TOXIC WASTE |
| MATERIAL NAME | | | Unknown | |
| LOT NUMBER | | | " | |
| NSN (FSN) | | | " | |
| SPECIFICATION (MIL or FED) | | | " | |
| MANUFACTURER'S NAME | | | " | |
| DESCRIPTION OF MATERIAL USAGE (Heated, brushed, sprayed, etc) | | | Used as insulation for ceiling lights that are explosion proof | |
| SUPPORTING SAMPLES | | OEHL SAMPLE NO | | |
| | | BASE SAMPLE NO | GM850121 | |
| | | SAMPLE TYPE | | |

COMMENTS: Employees and CE personnel state that fixtures were in place when Bldg. was opened up in 1982 and building material not recorded. This work area is occupied daily.

AF FORM JAN 81 2751

71 126

| CASE FILE | CHRONOLOGICAL RECORD OF WORKPLACE SURVEILLANCE |
|---|---|
| DATE (YYMMDD) | BASELINE, ANNUAL, AND SPECIAL SURVEY KEY FINDINGS AND DISCREPANCIES, ANNUAL CASE FILE REVIEW: TELECONS AND DISCREPANCY STATUS CHECKS. (Sign each entry) |
| 920826 | Contacted shop to find out why they use Lacquer paint. Will address during baseline scheduled for 3 Sept 0900. DENNIS L. BURR Bioenvironmental Engineering Services |
| 920903 | Opening Conference was held w/ Mr. Bruner by Mr. Chavis and Mr. Burr. We discussed chemical usage and painting operations. Shop had necessary MSDS's however we are suppliing them with 92 versions and Haz Comm. Discussed and conducted haz noise eval. The safety-kleen vat ventilation system was surveyed and was within specifications. Air sampling should be conducted in the future to determine adequacy of system. DENNIS L. BURR Bioenvironmental Engineering Ser |
| 921026 | AF forms 2214, 2755, 2761, 2758, 2763, 2764, and chemical inventory were reaccomplished all other forms were current and correct. The letter is completed and distributed. DENNIS L. BURR Bioenvironmental Engineering Services |
| 921026 | Outbriefed Mr. Bruner discussed chemical listing, shop needs High noise labels and air sampling at cleaner vat. DENNIS L. BURR Bioenvironmental Engineering Servi |

MANA

| WORKPLACE SUPERVISOR | DUTY PHONE | OFFICE SYMBOL |
|---|---|---|
| Mr. BRUNER | 2414 | [illegible] |

(Use this space for mechanical imprint)

| | |
|---|---|
| WORKPLACE IDENTIFIER | 0 1 6 6 [redacted] F A M U [redacted] 0 1 5 A |
| BASE | R-G AFB |
| ORGANIZATION | 442 MS |
| WORKPLACE | MUNITIONS GUN RELEASE |
| BLDG NO / LOCATION | 828 |
| ROOM / AREA | N/A |

AF FORM JAN 82 2754

71 127

| INDUSTRIAL HYGIENE SURVEY DATA SHEET – GENERAL | DATE (YYMMDD) 8 7 1 0 8 1 8 | WORKPLACE IDENTIFIER 0 1 6 6 F A M U 0 1 5 A |
|---|---|---|
| (Use this space for mechanical imprint) | BASE: Richards-Gebaur | ORGANIZATION: 442 CAMS |
| | WORKPLACE: Munitions(Gun/Release) | |
| | BLDG NO/LOCATION: 828 | ROOM/AREA: Vat room |

**POTENTIAL HAZARD**
*( Description, Operating Parameters )*

Chemical: Solid film lubricant, NSN 9150-00-168-2000 is used by employees ~~as an aerosol spray is a potential inhalation, skin and contact~~ hazard.

**EVALUATION**
*( Standards/Criteria, Sample/Test equipment and results, Discrepancies )*

Observation of operations using this chemical was that the spray can is ~~held approximately arm's length away from the breathing zone and in a~~ very large room with two windows and a door. Use of the product is at ~~short intervals and approx. three times a week. Rubber gloves and apron~~ are used during application.

**CONTROLS**
*( Existing or recommended; Protective equipment, Engineering, or Administrative)*

Continue to use gloves and apron. Recommend that a face shield be used ~~to avoid eye contact of the spray.~~

| SURVEYED BY ( Name,Grade,AFSC ) | REVIEWED BY ( Name,Grade,AFSC ) |
|---|---|
| FELICITA R BENSON, DAV GS-09 89756 | |

AF FORM JAN 82 2758

| AF Form 2761 | HAZARDOUS MATERIALS DATA | Page: 1 |
|---|---|---|

| Date | Workplace ID | Organization | Workplace | Off Symb | Bldg No. |
|---|---|---|---|---|---|
| 03/17/93 | 0166FAMU015A | 442 MUNI | MUNITION | MANA | 828 |

| | NSN/Other ID # | Material nomenclature | Specification | IEX |
|---|---|---|---|---|
| 1. | 3439002559935 | ALLEN SOLDER PASTE | FED.SPEC | N |

| Manufacturer | CAGE | MSDS Avail | MSDS in shop |
|---|---|---|---|
| L.B.ALLEN COMPANY INC * | 70279 | Y | Y |

| Major chemical ingredients | CAS Number | Percent |
|---|---|---|
| (1) ZINC CHLORIDE (SARA III) | 7646857 | 25.00 |
| (2) MINERAL OIL (EXPOSURE REGULATE | 8012951 | 75.00 |

| | In Process | Air | Ground | Water | Haz Waste |
|---|---|---|---|---|---|
| Disposal: | 100% | % | % | % | % |

Remarks:

---

| | NSN/Other ID # | Material nomenclature | Specification | IEX |
|---|---|---|---|---|
| 2. | 5970001617422 | RED INSULATING ENAMEL | N/K | 9 |

| Manufacturer | CAGE | MSDS Avail | MSDS in shop |
|---|---|---|---|
| WESTINGHOUSE ELECTRIC CORP,INS | 79500 | Y | Y |

| Major chemical ingredients | CAS Number | Percent |
|---|---|---|
| (1) XYLENES (O-,M-,P- ISOMERS) (SA | 1330207 | 45.00 |
| (2) LEAD COMPOUNDS | 7439921 | 0.27 |
| (3) CALCIUM CARBONATE (MARBLE) (LI | 1317653 | 8.00 |
| (4) IRON OXIDE | 1309371 | 10.00 |

| | In Process | Air | Ground | Water | Haz Waste |
|---|---|---|---|---|---|
| Disposal: | 100% | % | % | % | % |

Remarks:

---

| | NSN/Other ID # | Material nomenclature | Specification | IEX |
|---|---|---|---|---|
| 3. | 6810002865435 | ISOPROPYL ALCOHOL | TT-I-735 | 8 |

| Manufacturer | CAGE | MSDS Avail | MSDS in shop |
|---|---|---|---|
| RANDOLF PRODUCTS CO | | Y | Y |

| Major chemical ingredients | CAS Number | Percent |
|---|---|---|
| (1) ISOPROPYL ALCOHOL | 67630 | 99.90 |

| | In Process | Air | Ground | Water | Haz Waste |
|---|---|---|---|---|---|
| Disposal: | 100% | % | % | % | % |

Remarks:

---

| | NSN/Other ID # | Material nomenclature | Specification | IEX |
|---|---|---|---|---|
| 4. | 681000F000598 | SAFETY-KLEEN 140 SOLVENT | N/A | N |

Visual Site Inspection Form
Page 1 of 2

**RICHARDS-GEBAUR AFB**
**ENVIRONMENTAL BASELINE SURVEY**

Date _____

Inspector _____

Facility Escort _____

Facility: # _____ Name _____

This Facility and associated property with regards to disposal represents:

☐ no constraints ☐ known or suspected constraints ☐ unknown constraints

Bio/Physical Setting: _____

Current Use: _____

Past Use: ☐ Same as above _____

Does facility generate or store Hazardous Material/Waste: ☐ Yes ☐ No

Types: _____

Disposal practices: _____

"Housekeeping" in and around building is ☐ Good ☐ Average ☐ Poor: _____

Effluent waste created/Destination: _____

Conditions not mentioned that present concerns: _____

Exterior Surfaces: _____

Interior Surfaces: _____

Interviews: _____

Visual Site Inspection Form
Page 2 of 2

## BUILDING INSPECTION CHECKLIST

Are there any signs of the following on the property _Y_ Yes _N_ No _U_ Unknown

| | | | | | |
|---|---|---|---|---|---|
| A) | _____ | UST | K) | _____ | Discolored Soil |
| B) | _____ | AST | L) | _____ | Noxious Odors |
| C) | _____ | Oil Water Separator | M) | _____ | Sensitive Receptors |
| D) | _____ | Septic Tank | N) | _____ | Stressed Vegetation |
| E) | _____ | Waste Piles | O) | _____ | Fill Areas/Buried Objects |
| F) | _____ | Lead Paint/Pipes | P) | _____ | Drums/Drum Storage |
| G) | _____ | PCBs | Q) | _____ | Surface Water |
| H) | _____ | Stained Sinks/Floor Drains | R) | _____ | Suspected ACM |
| I) | _____ | Evidence of Spills | S) | _____ | Other (Explain Below) |
| J) | _____ | Evidence of Improper Disposal | | | |

Check List Description:

_____

_____

_____

_____

_____

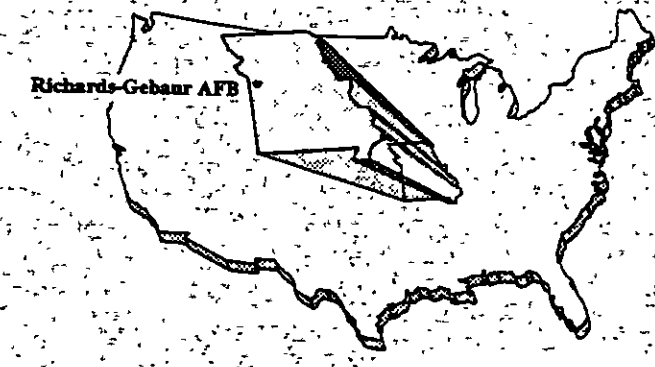
_____

_____

Photo Log:

| Roll | Frame | Subject |
|---|---|---|
| | | |

Facility Diagram




# APPENDIX C

# APPENDIX C

# HAZARDOUS MATERIALS STORAGE

# APPENDIX C

## HAZARDOUS MATERIALS STORAGE

Table C-1. An inventory of hazardous materials stored in industrial workplaces based on information maintained by the Bioenvironmental Engineering Services office is presented in Table C-1. Specifically, this inventory reflects information tabulated on Air Force Form 2761, Hazardous Materials Data. The quantity and quality of data on the Hazardous Materials Data forms varies considerably over the period of available records. For some workplaces, records were available back to 1975; for others, records were only available since the mid-1980s. The most complete records are available for the last 5 years (i.e., 1987 to 1992). Since 1990, most of the data have been recorded on a computer-generated version of Air Force Form 2761.

The "Quantity Stored" entry is as it was listed on the original forms. If a quantity was not specified on the form, "unknown" has been listed in the Quantity Stored column. It should also be noted that only the amount of product usage per unit time was recorded on the Hazardous Materials Data forms; product storage per unit time was not recorded on the forms. A major assumption made for this appendix is that usage data was the only available data for storage.

The units of measure vary for different classes of products listed on the Hazardous Materials Data forms. The "Quantity Stored" for many products is given in conventional quantitative units of ounces, pounds, tons, pints, quarts, gallons, liters, and grams. Other products, however, are listed in terms of non-quantified units such as cans, boxes, rolls, tubes, kits, packs, drums, and cylinders. For these products, the conversion factors listed below were used.

| | | | | | |
|---|---|---|---|---|---|
| 1 bag | = 25 lb | 1 ball | = 1 lb | 1 bar | = 1 lb |
| 1 barrel | = 350 lb | 1 box | = 100 lb | 1 can | = 50 lb |
| 1 canister | = 50 lb | 1 caplet | = 1 lb | 1 cartridge | = 1 lb |
| 1 case | = 50 lb | 1 cycle | = 1 lb | 1 cylinder | = 100 lb |
| 1 disk | = 1 lb | 1 dozen | = 1 lb | 1 drop | = 1 lb |
| 1 drum | = 417 lb | 1 each | = 1 lb | 1 jar | = 1 lb |
| 1 keg | = 100 lb | 1 kit | = 1 lb | 1 mon | = 1 lb |
| 1 pack | = 1 lb | 1 package | = 1 lb | 1 pad | = 1 lb |
| 1 pail | = 50 lb | 1 pellet | = 1 lb | 1 pillow | = 1 lb |
| 1 roll | = 1 lb | 1 spool | = 1 lb | 1 stick | = 1 lb |
| 1 tablet | = 1 lb | 1 tub | = 1 lb | 1 tube | = 1 lb |

For products listed using volumetric measures, such as pints, quarts, gallons, and liters, knowledge of the density or specific gravity of each product would be required to calculate the respective total weights of product usage per unit time. Given the fact that such data are not recorded on Hazardous Materials Data forms, the weight of an equivalent volume of water (1 U.S. gallon weighs 8.3453 pounds or 3.7854 kilograms) was used to calculate an approximate total product weight. All weights recorded in the English system of ounces and pounds were converted to their metric equivalent.

Only the actual products used in each workplace are listed in Table C-1. In most cases, the product used (e.g., black spray paint) is a mixture of unique chemical constituents. For example, black spray paint consists of several chemical compounds, such as toluene, acetone, butyl acetate, butyl cellosolve, and isobutane. In addition, black spray paint manufactured by two different companies may contain different percentages of the same compounds (i.e., one may contain 5

percent toluene and the other 19 percent) or an entirely different composition of chemical compounds.

Table C-2. The list of products in Table C-1 used in quantities which are subject to reporting requirements specified under 40 CFR Part 373 is provided in Table C-2. Under Section 120(h)(1) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), whenever any agency, department, or instrumentality of the United States enters into any contract for the sale or other transfer of real property which is owned by the United States, and on which any hazardous substance was stored for 1 year or more, known to have been released, or disposed of, the contract must include notice of the type and quantity of such hazardous substance, and the time at which such storage, release, or disposal took place, to the extent such information is available based on a complete search of agency files. Requirements for such notice are outlined in 40 CFR Part 373.

The notice required by 40 CFR Part 373 for the storage of hazardous substances applies only when hazardous substances have been stored in quantities greater than or equal to 1,000 kilograms (or 2,205 pounds) or the CERCLA-reportable quantity for the substance as listed in 40 CFR Part 302.4, whichever is greater. Hazardous substances that are also listed under 40 CFR 261.30 as acutely hazardous wastes, and that are stored for 1 year or more are subject to the notice requirement when stored in quantities greater than or equal to 1 kilogram (2.205 pounds).

Constituents of products and their percentages are listed in Table C-2 when they were provided on Air Force Form 2761. Synonyms and Chemical Abstracts Services Registry Numbers (CASRN) for these constituents are also provided when listed in the Keller's Chemical Reg-A-Dex Chemical Cross Reference.

Table C-1. Hazardous Materials Storage, Facility 602

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Adhesive | 4 ounces/year | 0.1/year | 1986-1987 |
| Adhesive | 0.5 pint/year | 0.2/year | 1987 |
| Adhesive | 1 pint/month | 0.5/month | 1983 |
| Adhesive | 3 quarts/year | 2.8/year | 1983, 1987 |
| Adhesive | 18 ounces/year | 0.5/year | 1983 |
| Adhesive | 0.5 quart/week | 0.5/year | 1983 |
| Adhesive | 0.5 pint/year | 0.2/year | 1986 |
| Adhesive | 1 quart/year | 0.9/year | 1985, 1987 |
| Adhesive, Anaerobic | 5 cubic centimeters/ year | 0.005/year | 1990 |
| Adhesive, Bostik 1125 Part A | 1 kit/year | 0.5/year | 1990 |
| Adhesive, Catalyst | 1 quart/3 months | 0.9/3 months | 1983 |
| Adhesive, Cyanoacrylate | 4 ounces/year | 0.1/year | 1983 |
| Adhesive, EC-1022 | 1 quart/year | 0.9/year | 1990 |
| Adhesive, General Purpose | 1 pint/year | 0.5/year | 1983 |
| Adhesive, Industrial | 19.5 ounces/year | 0.6/year | 1987 |
| Adhesive, Industrial | 1 quart/month | 0.9/month | 1983 |
| Adhesive, Industrial | 1 quart/year | 0.9/year | 1985 |
| Adhesive, N-1030 | 1 quart/year | 0.9/year | 1990 |
| Adhesive, Polychloroprene | 2 ounce/4 months | 0.06/4 months | 1983 |
| Adhesive, Polychloroprene | 10 pints/year | 4.7/year | 1985 |
| Contact Adhesive | 3 quarts/year | 2.8/year | 1983 |
| Corrosion Resistant | 1 quart/year | 0.9/year | 1983 |
| Corrosion Resistant Coating, Turcoat Liquid Accelgold | 0.5 quart/year | 0.5/year | 1990 |
| Corrosion Resistant Coating | 1 quart/year | 0.9/year | 1987 |
| Denatured Alcohol | 1 quart/year | 0.9/year | 1983, 1985 |
| Denatured Alcohol | 1 pint/year | 0.5/year | 1987 |
| Denatured Alcohol | 0.5 gallon/year | 1.9/year | 1990 |
| Electrical Insulating Paste Silicone Compound | 1 ounce/year | 0.03/year | 1990 |
| Enamel, Flat Gray Spray Paint | 13 ounces/month | 0.4/month | 1983 |
| Enamel, Flat White | 13 ounces/week | 0.4/week | 1983 |
| Enamel, Gray | 1 gallon/3 years | 3.8/3 years | 1983 |
| Enamel, Odorless | 2 quarts/year | 1.9/year | 1983 |
| Enamel, Olive Drab | 13 ounces/year | 0.4/year | 1983 |
| Enamel, Strata Blue | 13 ounces/year | 0.4/year | 1983 |
| Epoxy Patch Kit | 4 ounces/2 months | 0.1/2 months | 1983 |

Table C-1. Hazardous Materials Storage, Facility 602 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Epoxy Synthetic Adhesive | 1.5 ounces/2 months | 0.04/2 months | 1983 |
| Foam Fast Adhesive | 24 ounces/year | 0.7/year | 1990 |
| Graphite | Minimal | | 1983 |
| Grease, Aircraft | 1.75 pounds/4 years | 0.8/4 years | 1990 |
| Ink, Stencil | 64 ounces/year | 2/year | 1987 |
| Ink, Strata Blue Parachute Marking | 0.25 pint/year | 0.1/year | 1990 |
| Ink, White Spraying Stencil | 2 pints/year | 0.9/year | 1990 |
| Lacquer | 13 ounces/year | 0.4/year | 1983 |
| Lacquer | 26 ounces/year | 0.77/year | 1983 |
| Lacquer | 26 pints/year | 12.3/year | 1985 |
| Lacquer, Acrylic Silver | 13 ounces/year | 0.4/year | 1983 |
| Lacquer, Camouflage | 13 ounces/year | 0.4/year | 1983, 1985 |
| Lacquer, Gray | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Green | 13 ounces/2 years | 0.4/2 years | 1986 |
| Lacquer, Spray Red | 13 ounces/year | 0.4/year | 1983 |
| Lacquer, White | 13 ounces/2 years | 0.4/2 years | 1986 |
| Lacquer, Yellow | 13 ounces/2 years | 0.4/2 years | 1986 |
| Leak Tec Test Compound | 2 ounces/year | 0.05/year | 1990 |
| Lube Oil, General Pump | 1 quart/year | 0.9/year | 1985 |
| Lube Oil, General Pump | 1 quart/6 months | 0.9/6 months | 1983 |
| Lubricating Graphite | 1 ounce/year | 0.03/year | 1987 |
| Lubricating Oil | 1/3 ounce/year | 0.009/year | 1990 |
| Methyl Ethyl Ketone | 1 gallon/year | 3.8/year | 1985 |
| Methyl Ethyl Ketone | 1 quart/year | 0.9/year | 1987 |
| Methyl Ethyl Ketone | 1 gallon/2 weeks | 3.8/2 weeks | 1983 |
| Methyl Ethyl Ketone | 0.5 gallon/year | 1.9/year | 1990 |
| Paint, Flat Black Spray | 9 ounces/week | 0.3/week | 1983 |
| Paint, Green Spray | 13 ounces/year | 0.4/year | 1983 |
| Polychloroprene Adhesive | 3 quarts/year | 2.8/year | 1983 |
| Primer, Adhesive | 0.5 quart/year | 0.5/year | 1990 |
| Primer Coating | 13 ounces/year | 0.4/year | 1983, 1985 |
| Scotchgrip Plastic Adhesive | 1 quart/year | 0.9/year | 1990 |
| Sealing Compound, Yellow | 4 ounces/year | 0.1/year | 1990 |
| Silicone Compound | 4 ounces/week | 0.1/week | 1983 |
| Toluene | 1 quart/year | 0.9/year | 1985 |
| Toluene | 2 quarts/year | 1.9/year | 1983 |
| Toluene | 1 pint/year | 0.5/year | 1987 |

Table C-1. Hazardous Materials Storage, Facility 602 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Toluene, Technical | 0.125 quart/year | 0.1/year | 1990 |
| Trichloroethane | 0.5 pint/year | 0.2/year | 1983, 1985, 1987 |
| Trichloroethane | 0.125 quart/year | 0.1/year | 1990 |

Table C-1. Hazardous Materials Storage, Facility 710

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| **Life Support Shop** | | | |
| Adhesive | 12 ounces/year | 0.36/year | 1992-1993 |
| Corrosion Preventative | 5 ounces/year | 0.15/year | 1992-1993 |
| Grease, Aircraft | 1 ounce/year | 0.03/year | 1992-1993 |
| Loctite Sealing Compound | 20 cubic centimeters/ year | 0.02/year | 1992-1993 |
| Lube Oil, General Purpose | 6.2 ounces/year | 0.18/year | 1992-1993 |
| Methyl Ethyl Ketone | 4 ounces/year | 0.1/year | 1992-1993 |
| Sealant, RTV | 1.5 ounces/year | 0.04/year | 1992-1993 |
| Silicone Compound | 8 ounces/year | 0.2/year | 1993 |
| **Photo Lab/Dark Room** | | | |
| Acetic Acid | 10 gallons/year | 37.4/year | 1986 |
| Activator | 25 gallons/year | 94.5/year | 1986 |
| Activator, Photographic | 24 gallons/year | 91/year | 1992-1993 |
| Activator, Reprotype 501 | 24 gallons/year | 91/year | 1992-1993 |
| Ammonia | Minimal | | 1986 |
| Cleaner/Varityper | Minimal | | 1986 |
| Developer | 60 gallons/year | 227/year | 1986 |
| Developer | 3 gallons/year | 11.3/year | 1986 |
| Developer ID2 Plus Developer Part 2 | 1,469 ounces/year | 43.5/year | 1992-1993 |
| Film Cleaner | 1 quart/year | 0.9/year | 1986 |
| Fixer | 8 gallons/year | 30/year | 1986 |
| Fixer | 25 gallons/year | 94.5/year | 1986 |
| Fixer | 3 gallons/year | 11.3/year | 1986 |
| Isopropyl Alcohol | 4 ounces/year | 0.1/year | 1992-1993 |
| Photo Flo | 2 gallons/year | 7.6/year | 1986 |
| Photographic Cleaner Compound | 24 ounces/year | 0.7/year | 1992-1993 |
| Photographic Film Cleaner | 8 ounces/year | 0.2/year | 1992-1993 |
| Rapid Fixer Part B | 930 ounces/year | 27.5/year | 1992-1993 |
| Rapid Fixer Part A | 8,271 ounces/year | 245/year | 1992-1993 |
| Series CHF Fixer/Hardener Part B | 930 ounces/year | 27.5/year | 1992-1993 |
| Series Fixer/Hardener Part A | 8,271 ounces/year | 244.8/year | 1992-1993 |

Table C-1. Hazardous Materials Storage, Facility 710 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Stabilizer | 25 gallons/year | 94.5/year | 1986 |
| Stabilizer Photo Ektamitic | 24 gallons/year | 91/year | 1992-1993 |
| **Life Support** | | | |
| Adhesive, Epoxy Synthetic | 1 ounce/3 months | 0.03/3 months | 1987 |
| Break Free | 12 ounces/year | 0.36/year | 1987 |
| Component 2 | 3 ounces/year | 0.09/year | 1985 |
| Component Liner Kit | 16 ounces/year | 0.5/year | 1987 |
| Contact Cement | 1 quart/2 weeks | 0.9/2 weeks | 1985, 1987 |
| Corrosion Preventative Compound | 16 ounces/year | 0.5/year | 1987 |
| Epoxy Patch | 6 ounces/year | 0.18/year | 1985, 1987 |
| Foam Fast Adhesive | 16 ounces/month | 0.5/month | 1987 |
| Grease, Aircraft | 1 ounce/month | 0.03/month | 1987 |
| Isopropyl Alcohol | 1 pint/week | 0.5/week | 1987 |
| Lacquer, Aerosol Black | 16 ounces/2 months | 0.5/2 months | 1987 |
| Lacquer, Black Paint | 16 ounces/2 months | 0.5/2 months | 1987 |
| Methyl Ethyl Ketone | 3 quarts/year | 2.8/year | 1987 |
| Primer, Light gray | 16 ounces/2 months | 0.5/2 months | 1987 |
| Release Agent Cap and Seal | 1 pound/year | 0.5/year | 1985, 1987 |
| Release Agent Mold Shell | 1 quart/year | 0.9/year | 1985, 1987 |
| Sealing Compound | 12 ounces/year | 0.36/year | 1987 |
| Silastic RTV | 8 ounces/month | 0.2/month | 1987 |

Table C-1. Hazardous Materials Storage, Facility 828

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| 4 Compound | 16 ounces/month | 0.4/month | 1990 |
| Accelerator | 1 kit/month | 0.5/month | 1990 |
| Adhesive | 1 quart/10 years | 0.9/10 years | 1990 |
| Adhesive, 2020 | 11 ounces/year | 0.3/year | 1990 |
| Adhesive, 271 Loctite | 24 ounces/year | 0.7/year | 1992 |
| Adhesive, 271 Loctite | 36 ounces/year | 1/year | 1993 |
| Adhesive, Bostik Primer | 1 quart/year | 0.9/year | 1993 |
| Adhesive, Cycling | 1 ounce/2 months | 0.03/2 months | 1990 |
| Adhesive, EA9330 Parts A + B | 12 kits/year | 5.4/year | 1992-1993 |
| Adhesive, EC-1022 3M | 1 quart/year | 0.9/year | 1992-1993 |
| Adhesive, RTV | 2 tubes/month | 0.9/month | 1990 |
| Adhesive, RTV | 1 ounce/month | 0.03/month | 1986 |
| Adhesive, Rubber Base | 1 pint/month | 0.5/month | 1986 |
| Adhesive Sealant | 12 tubes/year | 5.4/year | 1993 |
| Adhesive Sealant | 6 ounces/month | 0.18/month | 1990 |
| Adhesive Sealant | 36 tubes/year | 16.3/year | 1992 |
| Adhesive, Silicone | 24 tubes/year | 11/year | 1993 |
| Aircraft Corrosive Compound | 1 gallon/3 years | 3.8/3 years | 1990 |
| Aliphatic Isocyanate Reactant | 1 gallon/year | 3.8/year | 1983 |
| Aliphatic Thinner | 1 gallon/year | 3.8/year | 1986 |
| Allen Solder Paste Flux | 3.8 ounces/year | 0.1/year | 1993 |
| Allen Solder Paste Flux | 12 pounds/year | 5.4/year | 1992 |
| Allen Solder Paste | 1 pound can/3 years | 0.9/3 years | 1990 |
| Anaerobic Adhesive/Sealant | 24 bottles/year | | 1992 |
| Anaerobic Adhesive/Sealant | 12 bottles/year | | 1993 |
| Anti-Corrosive Compound | 1 gallon/3 years | 3.8/3 years | 1990 |
| Anti-Seize Compound | 12 pounds/year | 5.4/year | 1986,1993 |
| Anti-Seize Compound | 5 pounds/month | 2.3/month | 1983 |
| Anti-Seize Compound | 1 pint/month | 0.5/month | 1990 |
| Anti-Seize Compound | 16 ounces/6 months | 0.5/6 months | 1986 |
| Anti-Seize Compound | 24 pounds/year | 11/year | 1983,1992 |
| Adhesive | Unknown | | 1987 |
| Bvraycote 646 | 3 quarts/year | 2.8/year | 1993 |
| Bvraycote 646 | 12 quarts/year | 11.4/year | 1992 |
| Cleaner, Aircraft | 55 gallons/2 years | 208/2 years | 1986 |
| Cleaning and Lubricating Compound, Electrical Contact | 6 ounces/week | 0.18/week | 1983 |
| Cleaning Compound | 16 ounces/month | 0.5/month | 1986 |

Table C-1. Hazardous Materials Storage, Facility 828 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Cleaning Compound | 1 gallon/6 months | 3.8/6 months | 1987 |
| Cleaning Compound | 32 ounces/month | 1/month | 1987 |
| Cleaning Compound, Aircraft Surface | 36 cans/year | 816.5/year | 1993 |
| Cleaning Compound, Aircraft Surface | 78 ounces/month | 2.4/month | 1990 |
| Cleaning Compound, Aircraft Surface Water Base | 1 gallon/month | 3.8/month | 1983 |
| Cleaning Compound, Aircraft Surface | 960 ounces/year | 28.4/year | 1992 |
| Cleaning Compound Solvent | 72 cans/year | 1,633/year | 1993 |
| Cleaning Compound Solvent | Unknown | | 1983 |
| Cleaning Compound Solvent | 96 ounces/month | 2.8/month | 1986 |
| Cleaning Compound Solvent | 1 can/day | 23/day | 1983 |
| Cleaning Compound Solvent | 192 ounces/year | 5.7/year | 1992 |
| Compound, Lubricating | 32 ounces/ month | 1/month | 1990 |
| Corrosion Preventative | 1 gallon/year | 3.8/year | 1986 |
| Corrosion Preventative Compound | 1 pint/2 months | 0.5/2 months | 1990 |
| Corrosion Preventative Compound | 2 gallons/month | 7.6/month | 1983 |
| Corrosion Preventative Compound Type 1 | 6 cans/year | 136/year | 1993 |
| Corrosion Preventative Compound Type 3 | 24 pints/year | 11.4/year | 1993 |
| Corrosion Preventative Compound | 16 ounces/month | 0.5/month | 1986 |
| Corrosion Preventative Compound | 384 ounces/month | 12/month | 1983 |
| Corrosion Preventative Compound | 2 pints/month | 0.9/month | 1990 |
| Corrosion Preventative Compound | Unknown | | 1983 |
| Corrosion Preventative Compound | 16 ounces/month | 0.5/month | 1986 |
| Corrosion Preventative Compound Type 3 | 72 pints/year | 34/year | 1992 |
| Corrosion Preventative Compound Type 1 | 12 cans/year | 272/year | 1992 |

Table C-1. Hazardous Materials Storage, Facility 828 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Corrosion Removing Compound Paste | 1 quart/month | 0.9/month | 1983 |
| Curing Agent 2020 | 11 ounces/year | 0.3/year | 1990 |
| Cutting Fluid | 1 pint can/year | 0.5/year | 1990 |
| Cutting Fluid, Tapmatic | 1 pint/year | 0.5/year | 1993 |
| Cutting Fluid, Tapmatic | 372 ounces/year | 11/year | 1992 |
| Dark Black PWC | 24 pints/year | 11.4/year | 1993 |
| Dry Film Lubricant | 1 pint/6 months | 0.5/6 months | 1990 |
| Edge Sealer | 1.5 pints/year | 0.2/year | 1990 |
| Electric Clean Lube Compound | 96 ounces/month | 2.8/month | 1986 |
| Enamel, Insulating | 1 quart/10 years | 0.9/10 years | 1990 |
| Enamel, Red | 1 quart/year | 0.9/year | 1986 |
| Enamel, Spray | 12 ounces/year | 0.36/year | 1983 |
| Enamel, Spray Paint Black | 13 ounces/month | 0.6/month | 1983 |
| Enamel, Olive Drab | 144 pints/year | 68/year | 1992 |
| Enerpac Hydraulic Oil | 12 gallons/year | 45.4/year | 1992 |
| Floor Finish | 1 gallon/year | 3.8/year | 1986 |
| Floor Finish, Non-Buffing | 1 gallon/6 months | 3.8/6 months | 1983 |
| Freon TF | 6 pints/month | 2.8/month | 1990 |
| Gear Box Lube | 1 gallon/month | 3.8/month | 1983 |
| Gear Lube | 1 gallon/year | 3.8/year | 1986 |
| Gear Lube Oil | 5 gallons/year | 19/year | 1983 |
| Gear Oil Lubricant 75 Weight | 144 quarts/year | 136/year | 1992 |
| Grease | 12 cans/year | 272/year | 1993 |
| Grease | 1 gallon/3 months | 3.8/3 months | 1986 |
| Grease | 42 pounds/year | 19/year | 1992 |
| Grease 2 | 8 ounces/3 months | 0.2/3 months | 1986 |
| Grease, Aircraft | 2.5 pounds/month | 0.4/month | 1983 |
| Grease, Aircraft | 1 gallon/year | 3.8/year | 1986 |
| Grease, Aircraft | 24 cans/year | 544/year | 1993 |
| Grease, Aircraft | 1 can/year | 23/year | 1993 |
| Grease, Aircraft | 12 quarts/year | 11.4/year | 1993 |
| Grease, Aircraft | 2 ounces/3 months | 0.06/3 months | 1986 |
| Grease, Aircraft | 4 ounces/6 months | 0.12/6 months | 1990 |
| Grease, Aircraft | 1 pint/year | 0.5/year | 1990 |
| Grease, Aircraft | 2 pounds/year | 0.9/year | 1986 |

Table C-1. Hazardous Materials Storage, Facility 828 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Grease, Aircraft | 5 pounds/6 months | 2.3/6 months | 1990 |
| Grease, Aircraft | 6 cans/year | 136/year | 1992 |
| Grease, Aircraft | 360 ounces/year | 10.7/year | 1992 |
| Grease, Aircraft and Industrial | 63 pounds/month | 28.6/month | 1983 |
| Grease, Aircraft and Instrument | 7 pounds/month | 3.2/month | 1986 |
| Grease, Aircraft and Instrument | 8 ounces/week | 0.2/week | 1983 |
| Grease, Aircraft and Instrument | 252 pounds/year | 114.3/year | 1992 |
| Grease, Aircraft Ordinance | 1 can/year | 23/year | 1993 |
| Grease, Aircraft XP-190 | 1 gallon/6 months | 3.8/6 months | 1990 |
| Grease, Artillery | 1/3 gallon/year | 1.1/year | 1990 |
| Grease, Auto and Artillery | 6 gallons/year | 22.7/year | 1993 |
| Grease, Auto and Artillery | 4 pounds/year | 1.8/year | 1992 |
| Grease, Auto/Artillery | 7 pounds/year | 3.2/year | 1983 |
| Grease, Ball and Roller Bearing | 12 quarts/year | 11.4/year | 1993 |
| Grease, Ball and Roller Bearing | 28 ounces/month | 0.83/month | 1983 |
| Grease, Ball and Roller Bearing | 348 ounces/year | 10.3/year | 1992 |
| Grease, Compound Plug Valve | 8 ounces/month | 0.2/month | 1990 |
| Grease, Dielectric | 8 ounces/month | 0.2/month | 1986 |
| Grease, Dielectric 2 | 8 ounces/3 months | 0.2/3 months | 1986 |
| Grease, General Purpose | 40 pounds/year | 18/year | 1986 |
| Grease, Instrument | 4 quarts/month | 3.8/month | 1990 |
| Grease, Instrument and Aircraft | 36 cans/year | 816/year | 1993 |
| Grease, Moly Disulfide | 12 cans/year | 272/year | 1993 |
| Grease, Molybdenum | 1.75 pounds/year | 0.8/year | 1986 |
| Grease, Molybdenum Disulfide | 1 pint/month | 0.5/month | 1990 |
| Grease, Molybdenum Disulfide | 840 ounces/year | 25/year | 1992 |
| Grease, Molybdenum Disulfide | 1 gallon/year | 3.8/year | 1983, 1992-1993 |
| Grease, Molykote M-77 | 2 pints/year | 0.9/year | 1986 |
| Grease, Molykote M-77 | 1 pint/month | 0.5/month | 1990 |
| Grease, Ordinance | 4 pounds/month | 1.8/month | 1983 |
| Grease, Plug Valve | 16 ounces/month | 0.5/month | 1983 |
| Grease, Roller Bearing | 1 quart/month | 0.9/month | 1990 |
| Grease, XP-190 | 1 ounce/month | 0.03/month | 1986 |
| Hydraulic Oil | 1.2 gallons/year | 4.5/year | 1993 |
| Hydraulic Oil | 1 gallon/3 years | 3.8/3 years | 1990 |
| Hydraulic Fluid | 1 quart/6 months | 0.9/6 months | 1986 |

Table C-1. Hazardous Materials Storage, Facility 828 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Ink, Stencil Black | 12 pints/year | 5.7/year | 1993 |
| Ink, Stencil Black | 16 ounces/6 months | 0.5/6 months | 1990 |
| Ink, Stencil White | 16 ounces/6 months | 0.5/6 months | 1990 |
| Ink, Stencil White | 12 pints/year | 5.7/year | 1993 |
| Ink, Stencil White | 372 ounces/year | 11/year | 1992 |
| Insulating Varnish, Red Enamel | 0.1 gallon/year | 0.4/year | 1993 |
| Insulating Varnish, Red Enamel | 12 gallons/year | 45.4/year | 1992 |
| Isopropyl Alcohol | 12 gallons/year | 45.4/year | 1992 |
| Isopropyl Alcohol | 1 gallon/year | 3.8/year | 1993 |
| Lacquer, Acrylic | 13 ounces/year | 0.4/year | 1983 |
| Lacquer, Flat Black | 1 pint/month | 0.5/month | 1990 |
| Lacquer, Olive Drab Camouflage | 1 pint/month | 0.5/month | 1990 |
| Lacquer, Olive Drab | 72 pints/year | 34/year | 1993 |
| Lacquer, Olive Drab | 1 pint/2 months | 0.5/2 months | 1990 |
| Law Weapons Oil Arctic | 1 quart/month | 0.9/month | 1983 |
| Lube Oil | 1 gallon/month | 3.8/month | 1986 |
| Lube Oil | 1 quart/month | 0.9/month | 1987 |
| Lube Oil, General Purpose | 1,400 ounces/year | 41.4/year | 1992 |
| Lube Oil, General Purpose | 120 cans/year | 2,722/year | 1993 |
| Lubricant, Grease | 1.75 pounds/month | 0.8/month | 1986 |
| Lubricant, Molybdenum Disulfide/Silicone | 1 pint/month | 0.5/month | 1990 |
| Lubricant, Molybdenum Disulfide | 12 pounds/year | 5.4/year | 1993 |
| Lubricant, Molybdenum Disulfide | 24 pounds/year | 11/year | 1992 |
| Lubricant, Solid Film | 48 ounces/month | 1.4/month | 1986 |
| Lubricant, Solid Film | 1 pint/6 months | 0.5/6 months | 1986 |
| Lubricant, Solid Film | 1 gallon/year | 3.8/year | 1983 |
| Lubricant, Solid Film | 12 quarts/year | 11.4/year | 1992-1993 |
| Lubricating Oil | 2 gallons/year | 7.6/year | 1993 |
| Lubricating Oil | 60 quarts/year | 57/year | 1992 |
| Lubricating Oil | 1 gallon/6 months | 3.8/6 months | 1983 |
| Lubricating Oil | 24 quarts/year | 22.7/year | 1993 |
| Lubricating Oil | 1 pint/month | 0.5/month | 1990 |
| Lubricating Oil | 1 pint/6 months | 0.5/6 months | 1990 |

Table C-1. Hazardous Materials Storage, Facility 828 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Lubricating Oil | 2 quarts/month | 1.9/month | 1990 |
| Lubricating Oil, General Purpose | 1 quart/month | 0.9/month | 1983 |
| Lubricating Oil, General Purpose | 128 ounces/month | 3.8/month | 1986 |
| Lubricating Oil, General Purpose | 2 gallons/year | 7.6/year | 1990 |
| Lubricating Oil, General Purpose | 10 pints/month | 4.7/month | 1990 |
| Lubricating Oil, Multi Purpose | 2 gallons/year | 7.6/year | 1990 |
| Lubricating Oil, Weapons | 6 quarts/year | 5.7/year | 1992 |
| Methyl Ethyl Ketone | 1 gallon/year | 3.8/year | 1983 |
| Molybdenum Disulfide | 1 pound/6 months | 0.5/6 months | 1986 |
| Molybdenum Disulfide Lubricating Oil | 6 pounds/month | 2.7/month | 1983 |
| O-Ring Lubricant | 12 tubes/year | 5.4/year | 1993 |
| O-Ring Lubricant | 144 ounces/year | 4.3/year | 1992 |
| Oil, 75 Weight | 0.6 quart/year | 0.6/year | 1993 |
| Oil, Arctic Weapons | 1 quart/2 months | 0.9/2 months | 1986 |
| Paint, Spray Gloss Black | 25 ounces/month | 0.7/month | 1983 |
| PD-157 | 36 ounces/month | 1.08/month | 1990 |
| PD-157 | 72 cans/year | 1,633/year | 1993 |
| PD-157 | 144 quarts/year | 136/year | 1992 |
| PD-680 | 150 gallons/6 months | 567/6 months | 1986 |
| Penetrating Oil | 1 pint/6 months | 0.5/6 months | 1983 |
| Perma-Silk G Lubricant Aerosol | 2,304 ounces/year | 68.2/year | 1992 |
| Perma-Silk G Lubricant Aerosol | 120 cans/year | 2,722/year | 1993 |
| Petrolatum technical | 1 quart/year | 0.9/year | 1986 |
| Polish, Plastic Type 1 | 1 pint/year | 0.5/year | 1986 |
| Polyurethane Coating Aliphatic Thinner | 0.5 gallon/month | 1.9/month | 1983 |
| PR1431-G and GT Sealing | 24 kits/year | 11/year | 1992 |
| PR1431-G and Sealing | 12 kits/year | 5.4/year | 1993 |
| Primer, Adhesive | 1 quart/10 years | 0.9/10 years | 1990 |
| Primer, All Purpose | 26 ounces/year | 0.77/year | 1983 |
| Primer, Bostik Adhesive | 12 quarts/year | 11.4/year | 1992 |
| Primer, Cellulose Nitrate | 5 pounds/month | 2.3/month | 1983 |
| Primer, PWC201 ZC | 24 pints/year | 11.4/year | 1992-1993 |
| Probe | 1 kit/3 months | 0.5/3 months | 1987 |
| Removing Compound | 1 gallon/year | 3.8/year | 1983 |
| Riflebore Cleaner | 1 gallon/year | 3.8/year | 1983 |

Table C-1. Hazardous Materials Storage, Facility 828 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Rigid Thread Cutting Oil | 600 ounces/month | 19.20/month | 1983 |
| Safety Kleen | 1,800 gallons/year | 6,804/year | 1993 |
| Safety Kleen 140 | 280 gallons/year | 1,058/year | 1992 |
| Safety Kleen 140 Solvent | 150 gallons/6 months | 567/6 months | 1990 |
| Sealant | 2 ounces/6 months | 0.06/6 months | 1986 |
| Sealant Decals 4150 | 8 ounces/year | 0.2/year | 1986 |
| Sealing Compound | 8 ounces/3 months | 0.2/3 months | 1990 |
| Sealing Compound | 1 pint/year | 0.5/year | 1986 |
| Sealing Compound | 4 ounces/6 months | 0.1/6 months | 1986 |
| Sealing Compound | 1 kit/month | 0.5/month | 1987,1990 |
| Sealing Compound GC-1300 | 12 ounces/year | 0.36/year | 1993 |
| Sealing Compound GC-1300 | 24 ounces/year | 0.7/year | 1992 |
| Semi Fluid Oil | 1 quart/month | 0.9/month | 1986 |
| Semifluid Lubricating Oil | 1 gallon/month | 3.8/month | 1983 |
| Silicone Adhesive | 288 ounces/year | 8.5/year | 1992 |
| Silicone Compound | 180 ounce/year | 5.3/year | 1992 |
| Silicone Compound | 12 ounces/year | 0.36/year | 1993 |
| Silicone Dielectric Compound | 8 ounces/week | 0.2/week | 1983 |
| Silicone Sealant | 12 tubes/year | 5.4/year | 1993 |
| Slyde Lubricating Compound Silicone | 24 cans/year | 544/year | 1993 |
| Slyde Lubricating Compound Silicone | 2,304 ounces/year | 68/year | 1992 |
| Slyde Lubricating Oil | 16 ounces/3 months | 0.5/3 months | 1986 |
| Solid Film Lubricant | 160 ounces/month | 5/month | 1990 |
| Super Bonder 430 | 1 bottle/month | | 1990 |
| Super Glue | 12 ounces/year | 0.36/year | 1993 |
| Super Glue | 36 ounces/year | 1/year | 1992 |
| Technical Alcohol | 1 gallon/year | 3.8/year | 1990 |
| Zinc Chromate Primer | 12 pints/year | 5.7/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 839

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Aqua Fortis, Axotic/Nitric Acid | 0.2 ounce/year | .006/year | 1993 |
| Cleaner and Remover | 144 ounces/year | 4.3/year | 1993 |
| Cleaner/Polish | 8 ounces/year | 0.2/year | 1985 |
| Cleaner Remover | 130 ounces/year | 3.8/year | 1985 |
| Cleaner ZC-7 | 72 ounces/week | 2.16/week | 1975 |
| Cleaning Compound, Engine Gas | 5 gallons/year | 19/year | 1990 |
| Cleaning Compound Solvent, Aerosol | 13 ounces/year | 0.4/year | 1985 |
| Corrosion Preventative Compound | 2 quarts/month | 1.9/month | 1985 |
| Developer | 1 pint/week | 0.5/week | 1975 |
| Developer | 28 ounces/year | 0.8/year | 1985 |
| Developer, Aerosol | 28 ounces/year | 0.8/year | 1985 |
| Developer and Replenisher | 12 ounces/year | 0.36/year | 1993 |
| Developer and Replenisher | 384 ounces/year | 11.4/year | 1993 |
| Developer and Replenisher | 384 ounces/year | 12/year | 1990 |
| Developer GI | 10 gallons/year | 37.8/year | 1981 |
| Developer/Replenisher Part B | 12 fluid ounces/year | 0.36/year | 1990 |
| Emulsifier | 1 pint/week | 0.5/week | 1975 |
| Emulsifier | 1 gallon/month | 3.8/month | 1981 |
| Emulsifier | 110 gallons/year | 416/year | 1985 |
| Enamel, Brown | 8 ounces/year | 0.2/year | 1985 |
| Enamel, Green | 13 ounces/year | 0.4/year | 1985 |
| Enamel, Olive Drab | 13 ounces/year | 0.4/year | 1985 |
| Enamel, Yellow | 13 ounces/year | 0.4/year | 1985 |
| Fixer and Hardener Part A | 384 ounces/year | 11.4/year | 1990,1993 |
| Fixer and Hardener Part B | 43 ounces/year | 1.3/year | 1993 |
| Fixer GI | 10 gallons/year | 37.8/year | 1981 |
| Fixer/Hardener | 43.2 ounces/year | 1.2/year | 1990 |
| Fluorescent Magnetic | 8 gallons/year | 30/year | 1985 |
| Grease, General Purpose | 8 ounces/year | 0.2/year | 1985 |
| Hydrochloric Acid | 0.2 ounce/year | 0.006/year | 1993 |
| Hydrochloric Acid | 1 ounce/5 years | 0.03/5 years | 1990 |
| Hydrochloric/Muriatic Acid | 0.2 ounce/year | 0.006/year | 1993 |
| Kerosene | 1 pint/week | 0.05/week | 1975 |
| Lacquer, Acrylic Aerosol | 4 ounces/year | 0.01/year | 1985 |

Table C-1. Hazardous Materials Storage, Facility 839 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Lacquer, Acrylic Clean | 4 ounces/year | 0.1/year | 1985 |
| Lacquer, Blue | 13 ounces/year | 0.4/year | 1985 |
| Lacquer, White | 8 ounces/year | 0.2/year | 1985 |
| Lacquer, White | 13 ounces/year | 0.4/year | 1985 |
| Lacquer, Yellow | 13 ounces/year | 0.4/year | 1985 |
| Lube Oil, General Purpose | 16 ounces/year | 0.5/year | 1990,1993 |
| Lube Oil, General Purpose | 6 ounces/year | 0.18/year | 1985 |
| Lubricating Oil | 240 ounces/year | 7.2/year | 1990 |
| Magnaflux Carrier with 14A Powder | 55 gallons/year | 208/year | 1993 |
| Magnaglo | 0.5 gallon/month | 1.9/month | 1981 |
| Magnaglo Aerosol | Unknown | | 1985 |
| Magne-Tech | 12 ounces/2 years | 0.36/2 years | 1990 |
| Nitric Acid | 1 ounce/5 years | 0.03/5 years | 1990 |
| Oil, Standard Special | 8 ounces/month | 0.2/month | 1985 |
| Optical Lens Cleaning Compound | 2 ounces/month | 0.06/month | 1985 |
| Paint, Interior Flat Latex | 1 gallon/2 years | 3.8/2 years | 1985 |
| Penetrant | 1 gallon/month | 3.8/month | 1981 |
| Penetrant | 18 ounces/year | 0.5/year | 1985 |
| Penetrant | 110 gallons/year | 416/year | 1985 |
| Penetrant, Water | 1 pint/week | 0.5/week | 1975 |
| Penetrant ZL-22A | 0.5 pint/week | 0.2/week | 1975 |
| Plastic Cleaner | 0.5 quart/year | 0.5/year | 1985 |
| Powder with Magnaflu | 100 pounds/year | 45.4/year | 1993 |
| Prepared Bath AE | 6 ounces/year | 0.18/year | 1993 |
| Prepared Bath | 12 ounces/month | 0.36/month | 1990 |
| Primer Coating | 13 ounces/year | 0.4/year | 1985 |
| Remover | 60 gallons/year | 227/year | 1993 |
| Remover | 120 gallons/year | 453.6/year | 1990 |
| Remover | 144 ounces/year | 4.32/year | 1990 |
| Sulfur Hexafluoride Dielectric Grade Gas | 25 pounds/year | 11.3/year | 1990,1993 |
| Trichloroethane | 3 gallons/year | 11.3/year | 1990,1993 |
| Trichloroethylene | 1 pint/week | 0.5/week | 1975 |
| X-Ray Developer | 0.1 pint/week | 0.05/week | 1975 |

Table C-1. Hazardous Materials Storage, Facility 839 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| X-Ray Fixer | 0.1 pint/week | 0.05/week | 1975 |
| Zyglo Cleaner | 12 cans/month | 272/month | 1981 |
| Zyglo Developer | 1 can/month | 23/month | 1981 |
| Zyglo Developer | 12 ounces/year | 0.36/year | 1990,1993 |
| Zyglo Developer | 100 pounds/year | 45.4/year | 1990 |
| Zyglo Penetrant | 12 ounces/year | 0.36/year | 1990 |
| Zyglo Penetrant | 55 gallons/year | 208/year | 1993 |
| Zyglo Penetrant | 110 gallons/year | 416/year | 1990 |
| Zyglo Penetrate Aerosol | 8 ounces/year | 0.2/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 918

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Machine/Sheet Metal Shop | | | |
| Acetone | Unknown | -- | 1985 |
| Adhesive | 1 pint/month | 0.5/month | 1985 |
| Adhesive | 1 kit/3 months | 0.5/3 months | 1987 |
| Adhesive, Epon 828 | Unknown | -- | 1985 |
| Adhesive, Fiberglass | 6 ounces/2 months | 0.18/2 months | 1987 |
| Adhesive, Nitrile/Resin | 1 pint/month | 0.5/month | 1985 |
| Adhesive, Nitrite | Unknown | -- | 1985 |
| Adhesive, Part A | 36 ounces/month | 1.08/month | 1987 |
| Adhesive, Part A | 1 quart/month | 0.9/month | 1985 |
| Adhesive Paste, RTV | 3 ounces/week | 0.09/week | 1985 |
| Adhesive, RTV | 6 ounces/year | 0.18/year | 1987 |
| Adhesive, Scotch Weld | 1 pint/month | 0.5/month | 1985 |
| Adhesive Sealant | 3 ounces/month | 0.09/month | 1985 |
| Adhesive, Structural | 1 kit/3 months | 0.5/3 months | 1987 |
| Aluminum Coating Kit | 6 ounces/month | 0.18/month | 1985 |
| Autobody Filler | Unknown | -- | 1985 |
| Automatic Transmission Fluid Cherry | 8 ounces/year | 0.2/year | 1993 |
| Brake Kleen | 4 pints/year | 1.9/year | 1993 |
| Brake Kleen | 16 ounces/year | 0.5/year | 1986 |
| Corrosion Preventative Compound | 16 ounces/year | 0.5/year | 1985 |
| Corrosion Preventative Compound | 12 ounces/year | 0.36/year | 1993 |
| Curing Agent | 1 pint/3 months | 0.5/3 months | 1985 |
| Curing Agent Epon | 1 pint/6 months | 0.5/6 months | 1987 |
| Cutting Fluid | 12 pints/year | 5.7/year | 1993 |
| Cutting Fluid | 2 ounces/year | 0.06/year | 1986 |
| Cutting Fluid | 48 ounces/3 months | 1.4/3 months | 1985 |
| Cutting Fluid | 12 ounces/year | 0.36/year | 1986 |
| Cutting Fluid | 48 ounces/year | 1.4/year | 1985 |
| Cutting Fluid | 1 quart/year | 0.9/year | 1985 |
| Cutting Fluid | 48 ounces/month | 1.4/month | 1988 |
| Cutting Fluid, Sulfurized | 8 ounces/month | 0.2/month | 1988 |
| Cutting Fluid, Tapmatic | 12 pints/year | 5.7/year | 1993 |
| Detergent, General Purpose | 1 quart/year | 0.9/year | 1987 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Dye, Blue Layout | 12 ounces/year | 0.36/year | 1993 |
| Emulsifier Degreaser | 1 pint/6 months | 0.5/6 months | 1985 |
| Enamel, Floor and Deck | Unknown | -- | 1985 |
| Epi-Seal Paste | 11 ounces/month | 0.3/month | 1985 |
| Epon 828 | Unknown | -- | 1985 |
| Epoxy Patch Kit | 8 ounces/week | 0.2/week | 1985 |
| Floor Polish, Umbrella High Solids | 4 ounces/year | 0.1/year | 1986 |
| Floor Wax | 1 pint/2 months | 0.5/2 months | 1986 |
| Gear Lubricant | 2 ounces/year | 0.06/year | 1993 |
| General Purpose Spray | 48 ounces/year | 1.4/year | 1986 |
| Grease, Aircraft | 7 ounces/year | 0.2/year | 1993 |
| Grease, Aircraft | 5 ounces/year | 0.15/year | 1986 |
| Hand Cleaner | 14 ounces/3 months | 0.4/3 months | 1985 |
| Hand Cleaner | 2 ounces/month | 0.06/month | 1986 |
| Hydraulic Fluid | 0.5 pint/year | 0.2/year | 1986 |
| Hydraulic Fluid | 8 ounces/year | 0.2/year | 1986 |
| Isopropyl Alcohol | Unknown | -- | 1985 |
| Lapping Compound All Grit Size | 0.5 ounce/year | 0.05/year | 1993 |
| Lay Out Dip, Blue | 1 pint/6 months | 0.5/6 months | 1986 |
| Layout, Blue Fluid | 2 ounces/year | 0.06/year | 1985 |
| Layout Dip | 0.5 ounce/year | 0.05/year | 1985 |
| Layout Fluid | 8 ounces/year | 0.2/year | 1985 |
| Lube Oil, General Purpose | Unknown | -- | 1993 |
| Lube Oil, Type 2 | Unknown | -- | 1993 |
| Methyl Ethyl Ketone | 1 gallon/month | 3.8/month | 1985, 1987 |
| Mixing Base | 3 gallons/year | 11.3/year | 1985 |
| Mobil Vactra Oil 2 | 1 ounce/year | 0.03/year | 1993 |
| Mobile 350 | 1 ounce/year | 0.03/year | 1993 |
| Molybdenum Disulfide | 0.5 ounce/year | 0.05/year | 1986 |
| Motor Oil 30 Weight | 2 quarts/year | 1.9/year | 1993 |
| Multipurpose Spray | 45 ounces/3 months | 1.3/3 months | 1985 |
| Multipurpose Spray | 15 ounces/year | 0.4/year | 1986 |
| Never Dull | 5 ounces/year | 0.15/year | 1993 |
| P-Emulsin | 4 ounces/year | 0.11/year | 1986 |
| Paint Drier | Unknown | -- | 1985 |
| Paint Remover and Lacquer | Unknown | -- | 1985 |
| Penetrating Oil | 8 ounces/year | 0.2/year | 1988 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Primer Coating Epoxy | 1 pint/3 months | 0.5/3 months | 1987 |
| Rapid Tap, Cutting Fluid | 16 ounces/month | 0.5/month | 1986 |
| Resin | Unknown | -- | 1985 |
| Resin/Epon 815 | 1 gallon/6 months | 3.8/6 months | 1987 |
| Resin-Epon 815 | Unknown | -- | 1985 |
| Rigid Dark Thread Cutting Oil | 1 gallon/year | 3.8/year | 1993 |
| Rigid Dark Thread Cutting Oil | 8 ounces/month | 0.2/month | 1988 |
| Sealing Compound | 1 pint/year | 0.5/year | 1985 |
| Sealing Compound | 6 ounces/year | 0.18/year | 1987 |
| Sealing Compound | 12 ounces/month | 0.3/month | 1987 |
| Sealing Compound | Unknown | -- | 1985 |
| Solid Film Lubricant | 16 ounces/year | 0.5/year | 1985 |
| Spackling Patching Compound | 1 quart/year | 0.9/year | 1985 |
| Spray On Layout Blue | 10 ounces/year | 0.3/year | 1986 |
| Trichloroethane | 1 quart/year | 0.9/year | 1993 |
| Ultron SXP-911 Water Based Coolant | 55 gallons/year | 208/year | 1993 |
| Vacuum Pump Lube Oil | 1 ounce/month | 0.03/month | 1985 |
| Weapons Oil | 16 ounces/year | 0.5/year | 1986 |
| Weapons Oil | 12.5 ounces/year | 0.37/year | 1985 |
| White Lead Basic Carbonate | 2.5 pounds/year | 1.1/year | 1985 |
| White Lead Basic Carbonate | 0.5 ounce/year | 0.02/year | 1986 |
| Zinc Chromate Putty General Purpose | Unknown | -- | 1985 |
| **Egress Shop** | | | |
| Adhesive, Rubber RTV | 1 pint/year | 0.5/year | 1993 |
| Adhesive Sealant, RTV | 1 ounce/year | 0.03/year | 1993 |
| Anti-Seize Compound, Lead Free | 0.2 pound/year | 0.09/year | 1993 |
| Braycote 806 Grease, Instrument | 1 ounce/year | 0.03/year | 1993 |
| Corrosion Preventative Compound | 3 ounces/year | 0.09/year | 1993 |
| Corrosion Resistant Coating | 1 pint/year | 0.5/year | 1993 |
| Isopropyl Alcohol | 1 quart/year | 0.9/year | 1993 |
| Lubricant Aerosol Telomer | 16 ounces/year | 0.5/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| O-Ring Lubricant | 2 ounces/year | 0.06/year | 1993 |
| PD-680 | 1 pint/year | 0.5/year | 1993 |
| Primer Coating Parts A + B | 0.5 gallon/year | 1.9/year | 1993 |
| Sealing Compound 420 Anaerobic | 1 cubic centimeter/year | 0.001/year | 1993 |
| Sealing Compound Grade C Part B | 1 tube/year | 0.5/year | 1993 |
| Sealing Compound Parts A + B | 1 tube/year | 0.5/year | 1993 |
| Silicone Sealant Parts A + B | 10.3 ounces/year | 0.3/year | 1993 |
| Vibratite | 12 ounces/year | 0.36/year | 1993 |
| Docks Inspection | | | |
| Accelerator Sealing Compound | 60 ounces/year | 1.8/year | 1993 |
| Adhesive | 2 pints/year | 0.9/year | 1993 |
| Adhesive, Cyanoacrylate | 5,460 grams/year | 5.5/year | 1986 |
| Adhesive, Epoweld | 24 kits/year | 11.3/year | 1993 |
| Adhesive, Rubber | 1 pint/6 months | 0.5/6 months | 1988 |
| Adhesive, Rubber Base | 2 pints/month | 0.9/month | 1984, 1986 |
| Adhesive Sealant, RTV | 6 tubes/year | 2.7/year | 1993 |
| Aircraft Surface Compound | 1 ounce/month | 0.03/month | 1988 |
| Anaerobic Sealants | 1.7 ounces/month | 0.05/month | 1984, 1986 |
| Brakleen | Unknown | – | 1993 |
| Brakleen | 384 ounces/month | 12/month | 1988 |
| Brakleen | 456 ounces/month | 13.5/month | 1986 |
| Cleaning Compound | 3 gallons/plane | 11.3/plane | 1988 |
| Cleaning Compound Aircraft Surface | 64 ounces/year | 2/year | 1993 |
| Corrosion Preventative Aircraft-50 | Unknown | – | 1993 |
| Corrosion Preventative Compound | 32 ounces/year | 1/year | 1984, 1986 |
| Dry Lubricant Release Agent | 30 ounces/month | 0.89/month | 1984, 1986 |
| Enamel, Gloss Black | 1 pint/month | 0.5/month | 1988 |
| Epoxy Patch | 20 ounces/year | 0.6/year | 1986 |
| Epoxy Patch | 5,460 grams/year | 5.5/year | 1984 |
| Epoxy Resin Part 9309 | 2 kits/year | 0.9/year | 1993 |
| Epoxy Resin Parts A + B | 4 kits/year | 1.8/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| General Purpose Oil | 1 gallon/month | 3.8/month | 1986 |
| General Purpose Oil | Unknown | -- | 1984 |
| Glass Cleaner | 1 gallon/3 months | 3.8/3 months | 1988 |
| Grease, Aeroshell 22 | 5 pounds/year | 2.3/year | 1988 |
| Grease, Molybdenum | 1 gallon/year | 3.8/year | 1988 |
| Grease, Molybdenum Disulfide | Unknown | -- | 1993 |
| Grease, Silicone Versilube 351 | 4 ounces/year | 0.1/year | 1993 |
| Ink, Black Marking Stencil Opaque | Unknown | -- | 1993 |
| Ink, Red Marking Stencil Opaque | Unknown | -- | 1993 |
| Ink, White Marking Opaque | Unknown | -- | 1993 |
| Lacquer, Camouflage Gray | 1 pint/month | -- | 1988 |
| Leak Detection Compound | 4 ounces/month | 0.1/month | 1984, 1986 |
| Leak Tec | 4 ounces/year | 0.1/year | 1988 |
| Lube Oil, General Purpose | 12.5 ounces/year | 0.37/year | 1993 |
| Lube Oil, General Purpose | Unknown | -- | 1993 |
| Lubricating Oil, Aircraft Engine | 28 quarts/year | 26.5/year | 1993 |
| Lubricating Compound, Dimethysilic | 16 ounces/year | 0.5/year | 1993 |
| Lubricating Oil | 4 ounces/day | 0.1/day | 1988 |
| Lupri-Bond | 12 ounces/month | 0.36/month | 1988 |
| Marvelseal | 16 ounces/month | 0.5/month | 1986 |
| Methyl Ethyl Ketone | 1 quart/year | 0.9/year | 1993 |
| Oil, Penetrating | 1 pint/year | 0.5/year | 1988 |
| Paint, Black | 1 gallon/3 years | 3.8/3 years | 1988 |
| Penetrating Oil | Unknown | -- | 1993 |
| Perma-Silk G Lubricant Aerosol | 16 ounces/year | 0.5/year | 1993 |
| Petrolatum Technical | Unknown | -- | 1993 |
| Plastic Polish | 2 quarts/month | 1.9/month | 1984, 1986 |
| Plastic Polish Liquid | 1 pint/year | 0.5/year | 1993 |
| Primer, Brown | 1 pint/6 months | 0.5/6 months | 1988 |
| Primer, Coating | 1 pint/month | 0.5/month | 1988 |
| Primer, RTV | Unknown | -- | 1993 |
| Primer, Yellow | 1 pint/month | 0.5/month | 1988 |
| Protective Coating and Beautifier | Unknown | -- | 1993 |
| PWC 218 | 1 can/3 months | 23/3 months | 1988 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Rain Repellant, Windshield | 4 pints/month | 1.9/month | 1984, 1986 |
| Sealing Compound Parts A + B | Unknown | -- | 1993 |
| Silicone Adhesive Sealant | 600 ounces/year | 17.8/year | 1984 |
| Silicone Adhesive Sealant | 15 ounces/month | 0.4/month | 1984 |
| Silicone Sealant | 1.5 ounces/month | 0.04/month | 1988 |
| Super Glue | Unknown | -- | 1993 |
| Super Glue Adhesive | 6 ounces/year | 0.18/year | 1993 |
| Trichloroethane | 1/2 can/month | 11.3/month | 1986 |
| Two-Cycle Oil | 1 pint/year | 0.5/year | 1993 |
| WD-40 | 1 pint/year | 0.5/year | 1993 |
| **Electrical Battery/Environmental** | | | |
| 4 Compound Adhesive | 8 ounces/year | 0.2/year | 1990 |
| Acid, Boric | 6 pints/year | 2.8/year | 1990 |
| Acid, Sulfuric | 15 gallons/year | 56.7/year | 1990 |
| Adhesive | 8 ounces/year | 0.2/year | 1993 |
| Adhesive, C-111 | 8 ounces/year | 0.2/year | 1990 |
| Adhesive, Epoweld | 400 grams/year | 4/year | 1990, 1993 |
| Adhesive, Nitrile Resin | 8 ounces/year | 0.2/year | 1990 |
| Adhesive, RTV | 168 ounces/ year | 4.8/year | 1990 |
| Adhesive, Rubber | 2 ounces/year | 0.6/year | 1993 |
| Adhesive, Sealant RTV | 48 ounces/year | 1.4/year | 1993 |
| Adhesive, Super Fast Foam | 1 can/year | 23/year | 1993 |
| Adhesive, Thermofit S-1009 Parts A + B | 300 grams/year | 0.3/year | 1990 |
| Adhesive Two Parts Thermofit | 900 grams/year | 0.9/year | 1993 |
| Aerosol Colors Poly PWC | 4 pints/year | 1.9/year | 1993 |
| Aliphatic Naphtha | 1 gallon/year | 3.8/year | 1990 |
| Allen Solder Paste | 6 ounces/year | 0.18/year | 1993 |
| Allen Solder, Paste Flux | 6 ounces/year | 0.18/year | 1990 |
| Battery Alkaline | Unknown | -- | 1993 |
| Boric Acid | 6 pints/year | 2.8/year | 1993 |
| Brakleen | 456 ounces/year | 13.5/year | 1993 |
| Brakleen | 456 ounces/year | 14.4/year | 1990 |
| Cleaning and Lubricating Solvent | 72 ounces/year | 2/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Cleaning Compound, Aircraft Surface | 312 ounces/year | 9.2/year | 1993 |
| Cleaning Compound, Aircraft Surface | 312 ounces/year | 9.6/year | 1990 |
| Cleaning Compound Solvent | 192 ounces/year | 5.7/year | 1993 |
| Cleaning Compound Solvent | 192 ounces/year | 6/year | 1990 |
| Corrosion Preventative Compound Type 3 | 12 pints/year | 5.7/year | 1990, 1993 |
| Enamel, Flat Black | 12 ounces/year | 0.36/year | 1993 |
| Enamel, Flat Black | 1 pint/year | 0.5/year | 1990 |
| Enamel, Gloss Black | 12 ounces/year | 0.36/year | 1993 |
| Enamel, Gloss Black | 1 pint/year | 0.5/year | 1990 |
| Enamel, Gray | 1 pint/year | 0.5/year | 1990 |
| Enamel, Gray PWC | 12 ounces/year | 0.36/year | 1993 |
| Enamel, White | 12 ounces/year | 0.36/year | 1993 |
| Enamel, White | 1 pint/year | 0.5/year | 1990 |
| Enamel, Yellow | 4 pints/year | 1.9/year | 1990 |
| Gray Coating | 1 kit/year | 0.5/year | 1990 |
| Grease, Aircraft | 5 gallons/year | 19/year | 1990 |
| Grease, Aircraft | 0.2 gallon/year | 0.76/year | 1993 |
| Grease, General Purpose | 1 pound/year | 0.5/year | 1993 |
| Ink, Black | 16 ounces/year | 0.5/year | 1990 |
| Ink, Black Aerosol | 16 ounces/year | 0.5/year | 1993 |
| Ink, White Stencil | 4 pints/year | 1.9/year | 1993 |
| Insulating Varnish, Red | 4 ounces/year | 0.1/year | 1993 |
| Lacquer | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Acrylic Yellow | 4 pints/year | 1.9/year | 1993 |
| Lacquer, Aerosol | 12 ounces/year | 0.36/year | 1993 |
| Lacquer, Aluminum | 2 pints/year | 0.9/year | 1990 |
| Lacquer, Aluminum | 24 ounces/year | 0.7/year | 1993 |
| Lacquer, Brown | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Brown Aerosol | 12 ounces/year | 0.36/year | 1993 |
| Lacquer, Clear | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Clear Aerosol | 12 ounces/year | 0.36/year | 1993 |
| Lacquer, Green | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Green Aerosol | 12 ounces/year | 0.36/year | 1993 |
| Lacquer, Olive Drab | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Olive Drab | 12 ounces/year | 0.36/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Leak Test Compound | 48 ounces/ year | 1.2/year | 1990, 1993 |
| Lube Oil, General Purpose | 24 ounces/year | 0.7/year | 1993 |
| Lube Oil, General Purpose Aerosol | 96 ounces/year | 2.8/year | 1993 |
| Lubricating Oil, Aircraft Engine | 144 ounces/year | 4.3/year | 1993 |
| Lubricating Oil, Aircraft Turbine Engines, Synthetic | 144 ounces/year | 3.6/year | 1990 |
| Lubricating Oil, General Purpose | 96 ounces/year | 3/year | 1990 |
| Lubricating Oil, General Purpose | 24 ounces/year | 0.6/year | 1990 |
| Methyl Ethyl Ketone | 1 gallon/year | 3.8/year | 1990, 1993 |
| Naphtha, Aliphatic | 1 gallon/year | 3.8/year | 1993 |
| Nitrile Resin Adhesive | 8 ounces/year | 0.2/year | 1993 |
| Oxygen | 1 can/year | 23/year | 1993 |
| Paint, Gray Aerosol | 16 ounces/year | 0.5/year | 1993 |
| PD-157 | 72 ounces/year | 2.16/year | 1990 |
| Pig Repair Putty | 1 can/year | 23/year | 1993 |
| Primer, Z | 4 pints/year | 1.9/year | 1993 |
| Primer, Zinc Chromate Yellow | 3 pints/year | 1.4/year | 1990 |
| Primer, Zinc Chromate Yellow | 36 ounces/year | 1.1/year | 1993 |
| Sealing Compound Grade H | 4 cans/year | 91/year | 1993 |
| Silicone Adhesive | 8 ounces/year | 0.2/year | 1993 |
| Slyde Lubricant Compound Silicone | 16 ounces/year | 0.5/year | 1993 |
| Sulfuric Acid Electrolyte Grad | 15 gallons/year | 56.7/year | 1993 |
| Super Glue | 2 ounces/year | 0.06/year | 1993 |
| Torque Seal | 12 ounces/year | 0.36/year | 1993 |
| **Environmental Systems Pneudraulic Shop** | | | |
| Adhesive, 4 Compound | 8 ounces/year | 0.2/year | 1990 |
| Adhesive, C-111 | 8 ounces/year | 0.2/year | 1990 |
| Adhesive, Epoweld | 400 grams/year | 4/year | 1990 |
| Adhesive, Foamfast | 1 can/year | 23/year | 1993 |
| Adhesive, Scotch Grip Rubber | 2 ounces/year | 0.06/year | 1993 |
| Adhesive Sealant | 24 ounces/year | 0.6/year | 1990 |
| Aliphatic Naphtha | 1 gallon/year | 3.8/year | 1990 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Anti-Seize Compound | 1 pound/year | 0.5/year | 1993 |
| Battery Alkaline | Unknown | -- | 1993 |
| Brake Parts Cleaner | 264 cans/year | 5,987/year | 1993 |
| Brakleen | 768 ounces/month | 22.7/month | 1986 |
| Brakleen | 228 ounces/ month | 7.2/month | 1990 |
| Brakleen | 264 cans/year | 5,987/year | 1993 |
| Cleaning Compound Solvent | 192 ounces/year | 6/year | 1990 |
| Enamel, Flat Black | 1 pint/year | 0.5/year | 1990 |
| Enamel, Gloss Black | 1 pint/year | 0.5/year | 1990 |
| Enamel, Gloss White | 1 pint/year | 0.5/year | 1990 |
| Enamel, Gray | 1 pint/year | 0.5/year | 1990 |
| Enamel, Yellow | 2 pints/year | 0.9/year | 1990 |
| Gray Coating | 1 kit/year | 0.5/year | 1990 |
| Grease, Aircraft | 51 pounds/3 years | 23/3 years | 1984, 1986 |
| Grease, Aircraft | 5 gallons/year | 19/year | 1990 |
| Grease, Aircraft | 0.2 pound/year | 0.09/year | 1993 |
| Grease, Aircraft | 2 ounces/month | 0.06/month | 1984, 1986 |
| Grease, Aircraft and Instrument | 1.75 pounds/year | 0.8/year | 1986 |
| Grease, General Purpose | 1 pound/year | 0.5/year | 1993 |
| Hydraulic Film | 30 pints/year | 14.2/year | 1990 |
| Hydraulic Fluid | 30 gallons/year | 113.4/year | 1990 |
| Hydraulic Fluid | 50 gallons/year | 189/year | 1984, 1986 |
| Hydraulic Fluid | 13 ounces/3 months | 0.4/3 months | 1984, 1986 |
| Hydraulic Fluid | 5 gallons/year | 19/year | 1990 |
| Hydraulic Fluid | 30 pints/year | 14.2/year | 1993 |
| Hydraulic Fluid | 180 gallons/year | 680/year | 1984, 1986 |
| Hydraulic Fluid Type 2 | 30 gallons/year | 113.4/year | 1993 |
| Ink, Aerosol Black | 19 ounces/year | 0.9/year | 1993 |
| Ink, Black | 16 ounces/year | 0.5/year | 1990 |
| Ink, White Stencil | 4 pints/year | 1.9/year | 1993 |
| Insulating Varnish Red | 4 ounces/year | 0.1/year | 1993 |
| Lacquer, Aluminum | 2 pints/year | 0.9/year | 1990 |
| Lacquer | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Brown | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Clear | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Green | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Olive Drab | 1 pint/year | 0.5/year | 1990 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Leak Test Compound | 48 ounces/year | 1.2/year | 1990 |
| Lube Oil, General Purpose Aerosol | 96 ounces/year | 2.8/year | 1993 |
| Lube Oil, Instrument | 1 quart/6 months | 0.9/6 months | 1984, 1986 |
| Lube Oil, Synthetic | 15 ounces/month | 0.4/month | 1984, 1986 |
| Lubri-Bond Solid Film | 24 ounces/year | 0.72/year | 1990 |
| Lubricating Compound, Dimethysilic | 8 ounces/year | 0.2/year | 1993 |
| Lubricating Oil, Aircraft Turbine Engine | 144 ounces/year | 3.6/year | 1990 |
| Lubricating Oil, General Purpose | 8 ounces/year | 0.2/year | 1993 |
| Lubricating Oil, General Purpose | 96 ounces/year | 3/year | 1990 |
| Lubricating Oil, General Purpose | 8 ounces/year | 0.2/year | 1990 |
| Methyl Ethyl Ketone | 1 gallon/year | 3.8/year | 1990 |
| Methyl Ethyl Ketone | 1 gallon/2 years | 3.8/2 years | 1986 |
| Molybdenum Disulfide | 14 ounces/2 years | 0.4/2 years | 1984, 1986 |
| Nitrile/Resin | 8 ounces/year | 0.2/year | 1990 |
| Oxygen | 1 can/year | 23/year | 1993 |
| Paint Remover | 1 gallon/2 years | 3.8/2 years | 1984, 1986 |
| PD-680 | 30 gallons/month | 113.4/month | 1986 |
| Pig Repair Putty | 1 can/year | 23/year | 1993 |
| Poly Aerosol Colors | 4 pints/year | 1.9/year | 1993 |
| Primer | 4 pints/year | 1.9/year | 1993 |
| Primer, Coating Yellow | 3 pints/year | 1.4/year | 1990 |
| Safety Kleen | 40 gallons/year | 151/year | 1993 |
| Sealing Compound | 4 cans/year | 91/year | 1993 |
| Silicone Compound | 8 ounces/year | 0.2/year | 1984, 1986 |
| Slyde Lubricating Compound | 16 ounces/year | 0.5/year | 1993 |
| Slyde Silicone Lubrication | 16 ounces/2 years | 0.5/2 years | 1990 |
| Solvent | 25-30 gallons/ 6 months | 94.5-113.4/6 months | 1990 |
| Super Glue | 2 ounces/year | 0.06/year | 1993 |
| Technical Petrolatum | 1 quart/year | 0.9/year | 1984, 1986 |
| Torque Seal | 2 ounces/year | 0.06/year | 1993 |
| Trichloroethane | 8 ounces/month | 0.25/month | 1986 |
| Trichloroethane Spray | 144 ounces/month | 4.3/month | 1984, 1986 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Trichloroethane Technical | 1 quart/month | 0.9/month | 1984, 1986 |
| **Structural Repair Shop** | | | |
| Adhesive 1751A Parts A + B | 4 pints/year | 1.9/year | 1993 |
| Adhesive EA9330 Parts A + B | 4 kits/year | 1.8/year | 1993 |
| Adhesive Sealant, RTV | 8 tubes/year | 3.6/year | 1993 |
| Epoxy Resin Part 2 | 100 kits/year | 45.4/year | 1993 |
| General Purpose Cement Solve Glue | 4 quarts/year | 3.8/year | 1993 |
| Methyl Ethyl Ketone | 4 gallons/year | 15/year | 1993 |
| Microballons, Phenolic | 1 pound/year | 0.5/year | 1993 |
| Paint, Dark Gray | 8 pints/year | 3.8/year | 1993 |
| Primer, PWC | 8 pints/year | 3.8/year | 1993 |
| Scotch Sealer, Edge Seal | 8 pints/year | 3.8/year | 1993 |
| Sealant, Hi-Temp | 4 kits/year | 1.8/year | 1993 |
| Sealing Compound Part A | 288 ounces/year | 8.5/year | 1993 |
| Sealing Compound Part B | Unknown | -- | 1993 |
| Sealing/Fastening Epocast | 4 kits/year | 1.8/year | 1993 |
| Thinner | 4 gallons/year | 15/year | 1993 |
| **Fuel Systems** | | | |
| Cleaning and Lubricating Compound | 2 pints/year | 0.9/year | 1985-1986 |
| JP-4 | 100 gallons/year | 45.4/year | 1985-1986 |
| Lubricating Oil | 0.5 gallon/year | 1.9/year | 1985-1986 |
| Methyl Ethyl Ketone | 2 gallon/year | 7.6/year | 1985-1986 |
| Penetrating Oil | 0.5 pint/year | 0.2/year | 1985-1986 |
| Petrolatum | 5 quarts/year | 4.7/year | 1985-1986 |
| Sealant | 20 tubes/week | 9/week | 1985-1986 |
| **Flightline Shop** | | | |
| Adhesive | Unknown | -- | 1984 |
| Adhesive, Armstrong | 4 pints/year | 1.9/year | 1993 |
| Adhesive, Nitrile Resin | 8 ounces/year | 0.2/year | 1993 |
| Adhesive, SC-840 | 8 ounces/year | 0.2/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Adhesive, Scotch Grip Rubber | 2 ounces/year | 0.06/year | 1993 |
| Adhesive Sealant, RTV | 12 ounces/year | 0.36/year | 1993 |
| Adhesive, Two Parts Thermofit | 900 grams/year | 0.9/year | 1993 |
| Aircraft Cleaning Compound | 7 drums/month | 1,324/month | 1984 |
| Brakleen | 180 pints/year | 85.1/year | 1993 |
| Cleaner Engine Wash | 180 gallons/year | 680.4/year | 1993 |
| Cleaning Compound | 8 gallons/month | 30.2/month | 1984 |
| Cleaning Compound, Aircraft Surface | 180 gallons/year | 680.4/year | 1993 |
| Cleaning Compound, Engine | 15 gallons/year | 56.7/year | 1993 |
| Cleaning Compound Solvent | 120 gallons/year | 453.6/year | 1993 |
| Corrosion Preventative Compound Type 3 | 4 cans/year | 91/year | 1993 |
| Deicing Fluid | 8,000 gallons/year | 30,240/year | 1993 |
| Desiccant Activated | 144 gallons/year | 544/year | 1993 |
| Enamel, Olive Drab | 18 pints/year | 8.5/year | 1993 |
| Glass Cleaner | 2 gallons/month | 7.6/month | 1984 |
| Grease, Aeroshell | 3.2 pounds/year | 1.5/year | 1993 |
| Grease, Aircraft | 20 pounds/year | 9/year | 1993 |
| Hydraulic Fluid | 16 quarts/year | 15/year | 1993 |
| Hydraulic Fluid Petroleum | 30 pints/year | 14/year | 1993 |
| Ink, White Stencil | 4 pints/year | 1.9/year | 1993 |
| JP-4 | Unknown | – | 1993 |
| Leak Test Compound | 12 pints/year | 5.7/year | 1993 |
| Lubricating Oil, Aircraft Engine | 96 ounces/year | 2.8/year | 1993 |
| Methanol | 600 gallons/year | 2,268/year | 1993 |
| Methanol Technical | 30 gallons/month | 113.4/month | 1984 |
| Methyl Ethyl Ketone | 60 gallons/year | 226.8/year | 1993 |
| Nitrogen | 60 cylinders/year | 2,722/year | 1993 |
| Oxygen, Liquid | 240 gallons/year | 907/year | 1993 |
| Petrolatum, Technical | 7 pounds/year | 3.2/year | 1993 |
| Plastic Polish Liquid | 240 pints/year | 113.5/year | 1993 |
| Protective Coating and Beautifying | 96 pints/year | 45.4/year | 1993 |
| Sealant, RTV | 6 tubes/year | 2.7/year | 1993 |
| Sealing Compound | 4 cans/year | 91/year | 1993 |
| Split Line Sealer | 12 tubes/year | 5.4/year | 1993 |
| Super Glue | 24 ounces/year | 0.7/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Torque Seal | 12 ounces/year | 0.4/year | 1993 |
| **Welding Shop** | | | |
| Acetylene Tech for Welding | 2 cylinders/year | 91/year | 1993 |
| Acetylene Technical | 1 cylinder/3 months | 45.4/3 months | 1984 |
| Argon | 1 cylinder/month | 45.4/month | 1984 |
| Argon Carbon Dioxide | 1 cylinder/3 months | 45.4/3 months | 1984 |
| Argon Lar, Liquid Only | 5 cylinders/year | 227/year | 1993 |
| Brazing Alloy | 2 ounces/month | 0.06/month | 1984 |
| Brazing Alloy, Silver | 20 ounces/year | 0.6/year | 1993 |
| Brazing Rod Super 185XCF | 20 ounces/year | 0.6/year | 1993 |
| Brought IAW Specs. | 5 gallons/year | 19/year | 1984 |
| Carbon Dioxide Argon Kit | 4 cylinders/year | 181.4/year | 1993 |
| Cast Iron Welding | 1 ounce/year | 0.03/year | 1984 |
| Chromaloy Flux | 4 ounces/year | 0.1/year | 1993 |
| Electrode Class ER 4043 | Unknown | -- | 1993 |
| Electrode | Unknown | -- | 1993 |
| Electrode 2% Thouriated Tungsten | Unknown | -- | 1993 |
| Electrode 312 Weld | Unknown | -- | 1993 |
| Electrode 6011 Welding Rod | Unknown | -- | 1993 |
| Electrode Class 12/Mis 57868 | Unknown | -- | 1993 |
| Electrode Ext Magnesium Weld | Unknown | -- | 1993 |
| Electrode Pipe Craft | Unknown | -- | 1993 |
| Electron Welding Rod 6013 | Unknown | -- | 1993 |
| Eutectic Brazing | 8 ounces/month | 0.2/month | 1984 |
| Flux Eutc Silweld 1618 | 20 ounces/year | 0.6/year | 1993 |
| Glass Beads | 100 pounds/year | 45.4/year | 1993 |
| Hydrochloric Acid | 0.5 ounce/year | 0.02/year | 1993 |
| Hydrochloric Acid | 5 ounces/year | 0.15/year | 1993 |
| Lead Solder | 0.7 pound/year | 0.3/year | 1993 |
| Leak Test Compound | 8 ounces/year | 0.2/year | 1993 |
| Lube Oil Instrument | 5 ounces/year | 0.15/year | 1993 |
| Methyl Ethyl Ketone | 1 gallon/year | 3.8/year | 1993 |
| Ox-Out 536 | 0.5 gallon/year | 1.9/year | 1993 |
| Oxygen Lox, Liquid Only | 4 cylinders/year | 181.4/year | 1993 |
| Oxygen Technical | 1 cylinder/2 months | 45.4/2 months | 1984 |

Table C-1. Hazardous Materials Storage, Facility 918 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Paste Flux | 2 ounces/year | 0.06/year | 1984 |
| Scale and Oxide Remover | 3 ounces/month | 0.09/month | 1984 |
| Sil-Flux | 2 ounces/year | 0.06/year | 1984 |
| Soldering Paste Type 1 | 10 ounces/year | 0.3/year | 1993 |
| Stay Safe 50 Solder | 10 ounces/year | 0.3/year | 1993 |
| Stay Silver White Brazing Flux | 5 ounces/year | 0.15/year | 1993 |
| Welco 1620 Anti-Splatter | 16 ounces/year | 0.5/year | 1993 |
| Welding Rod | 1 pound/year | 0.5/year | 1993 |
| Welding Wire Lubricant | 30 each/year | 13.5/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 927

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Adhesive | 2 tubes/year | 0.9/year | 1990 |
| Adhesive, Cyanoacrylate | 2 ounce/year | 0.06/year | 1990 |
| Adhesive, Parts A + B | 1 kit/year | 0.5/year | 1990 |
| Adhesive, Parts A + B | 12 kits/year | 5.4/year | 1993 |
| Adhesive, Scotch Rip 44 | 64 ounces/year | 2/year | 1983 |
| Adhesive Sealant, RTV | 24 tubes/year | 11/year | 1990 |
| Adhesive Sealant, RTV | 60 tubes/year | 27/year | 1993 |
| Adhesive, Super Foamfast | 192 ounces/year | 5.6/year | 1990 |
| Adhesive, Super Foamfast | 290 ounces/year | 8.6/year | 1993 |
| Assembly Fluid #1 | 32 ounces/year | 0.8/year | 1990 |
| Assembly Fluid Parts Lube | 12 tubes/year | 5.4/year | 1993 |
| Assembly Fuel | 2 ounces/6 months | 0.06/6 months | 1983 |
| B and B 3100 Cleaning Compound | 55 gallons/3 months | 208/3 months | 1983 |
| B and B 3100 Cleaning Compound | 110 gallons/year | 415.8/year | 1990 |
| Brakleen | 120 pints/year | 56.8/year | 1993 |
| Brakleen | 38 ounces/month | 1.1/month | 1983 |
| Brakleen | 1,900 ounces/ year | 60/year | 1990 |
| Carbon Cleaner | 54 gallons/year | 204/year | 1983 |
| Carbon Remover | 120 gallons/year | 454/year | 1993 |
| Carbon Remover Compound | 55 gallons/year | 208/year | 1990 |
| Cleaning Compound Engine | 120 gallons/year | 454/year | 1993 |
| Cleaning, Engine | 50 gallons/month | 189/month | 1981 |
| Cleaning Fluid | 150 gallons/year | 567/year | 1981 |
| Coating Compound, Thermal Silicone | 1 kit/year | 0.5/year | 1990 |
| Enamel, Floor Gray | 1 gallon/year | 3.8/year | 1983 |
| Enamel, Red | 0.5 gallon/year | 1.9/year | 1983 |
| Enamel, Red | 1 pint/month | 0.5/month | 1990 |
| Enamel, Spray Paint | 1 pint/month | 0.5/month | 1990 |
| Enamel, Yellow Alkyd | 1 gallon/year | 3.8/year | 1983 |
| Epoxy Resin Parts A + B | 60 kits/year | 27/year | 1993 |
| Epoxy Resin Parts A + B | 1 kit/year | 0.5/year | 1990 |
| Freon TF | 1 pint/year | 0.5/year | 1993 |
| Freon TF Cleaning Compound Solvent | 16 ounces/year | 0.5/year | 1990 |
| Grease, Aeroshell | 5 pounds/year | 2.3/year | 1990 |

Table C-1. Hazardous Materials Storage, Facility 927 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Grease, Aeroshell Aircraft | 24 pounds/year | 11/year | 1993 |
| Grease, Aircraft | 2 pounds/year | 0.9/year | 1983 |
| Grease, Aircraft and Instrument | 168 ounces/year | 4.8/year | 1990 |
| Grease, Auto | 1 pound/year | 0.5/year | 1983 |
| Grease, Versilube G351 | 8 ounces/year | 0.2/year | 1990 |
| Hardener, EPK 1C | 4 kits/year | 1.8/year | 1990 |
| Hydraulic and General Purpose | 5 gallons/year | 19/year | 1983 |
| Hydraulic Fluid | 12 quarts/year | 11.4/year | 1990 |
| Hydraulic Fluid | 0.5 quart/month | 0.5/month | 1983 |
| Insulation Sealant | 12 kits/year | 5.4/year | 1993 |
| Lacquer, Acrylic | 16 ounces/year | 0.5/year | 1983 |
| Lacquer, Aerosol Spray | 1 pint/year | 0.5/year | 1990 |
| Lacquer, Black Acrylic | 32 ounces/year | 1/year | 1983 |
| Lacquer, Green | 16 ounces/year | 0.5/year | 1983 |
| Lacquer, Silver | 16 ounces/year | 0.5/year | 1983 |
| Layout Dye, Blue | 1 ounce/year | 0.03/year | 1983 |
| Lube Oil, Aircraft | 5 gallons/month | 19/month | 1983 |
| Lube Oil, Synthetic | Unknown | -- | 1983 |
| Lube Oil, Turbine | 55 gallons/year | 208/year | 1990 |
| Lubricant | 40-50 quarts/year | 38-47.3/year | 1981 |
| Lubricant, Antiseize Graphite | 12 pounds/year | 5.4/year | 1993 |
| Lubricant, Molykote Bonded | 132 ounces/year | 4/year | 1993 |
| Lubricating Oil, Aircraft Engine | 120 gallons/year | 454/year | 1993 |
| Lubricating Oil, Turbine | 50 gallons/month | 189/month | 1981 |
| Methanol Technical | 300 gallons/month | 1,134/month | 1983 |
| Methyl Ethyl Ketone | 4 gallons/year | 15/year | 1990 |
| Methyl Ethyl Ketone | 6 gallons/year | 22.7/year | 1993 |
| Methyl Ethyl Ketone | 1 gallon/month | 3.8/month | 1983 |
| Methyl Ethyl Ketone | 11 gallons/month | 42/month | 1981 |
| Milk of Magnesia | 2 pints/month | 0.9/month | 1983 |
| Molykote 321R | 13 ounces/year | 0.4/year | 1990 |
| Molykote 321R | 13 ounces/month | 0.4/month | 1983 |
| Oil, Lubricating Aircraft Turbine | 45 quarts/month | 43/month | 1990 |
| Paint, Flat Black | 1 pint/year | 0.5/year | 1990 |
| Paint, Gloss Black | 1 pint/year | 0.5/year | 1990 |
| Paint, Gray | 2.5 gallons/year | 9.5/year | 1983 |
| Paint, Gray | 1 pint/year | 0.5/year | 1990 |

Table C-1. Hazardous Materials Storage, Facility 927 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Paint, Heat Resistant Aluminum | 4 ounces/week | 0.1/week | 1983 |
| Paint, Heat Resisting Aluminum | 1 quart/2 years | 0.9/2 years | 1990 |
| Paint, Olive Drab | 4 pints/month | 1.9/month | 1990 |
| Paint, Olive Drab Spray | 16 ounces/month | 0.5/month | 1983 |
| Paint, Red Spray | 16 ounces/year | 0.5/year | 1983 |
| Paint Remover | 1 gallon/month | 3.8/month | 1981 |
| Penetrating Oil | 12 pints/year | 5.7/year | 1993 |
| Penetrating Oil | 2-3 pints/year | 0.9-1.4/year | 1990 |
| Penetrating Oil, Type 1 | 0.5 quart/month | 0.5/month | 1983 |
| Plastiseal | 0.5 quart/month | 0.5/month | 1983 |
| PR-812 Sealing Compound | 60 ounces/year | 1.8/year | 1990 |
| Rapid Tap | 1 ounce/6 months | 0.03/6 months | 1983 |
| Resin, EPK 1C | 4 kits/year | 1.8/year | 1990 |
| Safety Kleen 140 | 490 gallons/year | 1,852/year | 1990 |
| Safety Kleen 140 | 280 gallons/year | 1,058.4/year | 1993 |
| Sealing Compound | 1 gallon/year | 3.8/year | 1983 |
| Sealing Compound Parts A+B | 24 kits/year | 11/year | 1993 |
| Silicone Compound | 2 ounces/month | 0.06/month | 1983 |
| Split Line Sealer | 12 tubes/year | 5.4/year | 1993 |
| Stoddard Solvent | 50 gallons/year | 189/year | 1983 |
| Super Glue. | 4 ounces/year | 0.1/year | 1993 |
| Thread Compound | 0.5 quart/month | 0.5/month | 1983 |
| Thread Compound | 1 can/year | 23/year | 1990 |
| Thread, Compound, Graphite | 1 pound/year | 0.5/year | 1990 |
| Trichloroethane | 5 gallons/year | 19/year | 1983 |
| Trichlorotrifluoroethane | 1,600 ounces/year | 50/year | 1990 |
| Walkway Compound, Non-Slip | 1 gallon/year | 3.8/year | 1983 |
| WD-40 | 55 gallons/year | 208/year | 1990 |
| WD-40 | 12 gallons/year | 45.4/year | 1983,1993 |
| Zinc Chromate Primer | 2 pints/year | 0.9/year | 1990 |

Table C-1. Hazardous Materials Storage, Facility 930

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| **Avionics Weapons/Guidance Control Shop** | | | |
| Adhesive, Air Filter | 14 ounces/year | 0.4/year | 1987 |
| Alcohol, Ethyl 200 Proof | 1.5 gallons/year | 5.7/year | 1993 |
| Alcohol, Denatured | 15 ounces/year | 0.4/year | 1993 |
| Alcohol, Ethyl 200 Proof | 1 gallon/year | 3.8/year | 1993 |
| Allen Solder Paste | 0.5 ounce/year | 0.02/year | 1993 |
| Cleaning and Lubricating Compound, Electrical | 16 ounces/year | 0.5/year | 1987 |
| Cleaning and Lubricating Contact, Electrical | 288 ounces/year | 8.5/year | 1993 |
| Cleaning Compound, Optical Lens | 24 ounces/year | 0.7/year | 1993 |
| Cleaning Compound Solvent | 13 ounces/year | 0.4/year | 1993 |
| Desiccant | 1 gallon/year | 3.8/year | 1987 |
| Electrical Contact Cleaner | 32 ounces/month | 1/month | 1987 |
| Enamel, Flat Black Aerosol | 0.2 pint/year | 0.09/year | 1993 |
| Epoxy Resin Parts A + B | 8 ounces/year | 0.2/year | 1993 |
| General Purpose Cleaner | 2 gallons/year | 7.6/year | 1987 |
| General Purpose Detergent | 1 pint/week | 0.5/week | 1987 |
| Glass Cleaner | 1 gallon/year | 3.8/year | 1987 |
| Grease, Low Temperature Aircraft and Instrument | 32 ounces/year | 1/year | 1993 |
| Heat Sink Silicone Compound | 20 ounces/year | 0.6/year | 1993 |
| Insulating Compound, Silicone 2 Parts | 5 ounces/year | 0.15/year | 1993 |
| Insulating Varnish, Red | 2 ounces/year | 0.06/year | 1993 |
| Isopropyl Alcohol | 2 gallons/year | 7.6/year | 1987 |
| Lacquer, Aerosol | 0.5 pint/year | 0.2/year | 1993 |
| Lacquer, Brown Aerosol | 0.5 pint/year | 0.2/year | 1993 |
| Lacquer, Gold Aerosol | 0.2 pint/year | 0.09/year | 1993 |
| Lubricating Oil, General Purpose | 16 ounces/year | 0.5/year | 1993 |
| Sealant, Loctite Grade E | 5 each/year | | 1987 |
| Sealant, RTV | 6 ounces/year | 0.18/year | 1993 |
| Sealing Compound, Aircraft Antenna | 12 ounces/year | 0.36/year | 1993 |
| Soldering Paste | 0.45 ounce/year | 0.01/year | 1987 |
| Silicone Compound | 32 ounces/year | 1/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 930 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Silicone Compound | 11 ounces/year | 0.3/year | 1987 |
| Silicone Rubber RTV | 21 pounds/year | 9.5/year | 1987 |
| Silicone Sealant | 10 ounces/year | 0.3/year | 1993 |
| Silicone Sealant, RTV | 60 ounces/year | 1.8/year | 1993 |
| Solder, Tin Alloy | 0.5 pound/year | 0.2/year | 1993 |
| Super Glue | 2 ounces/year | 0.06/year | 1993 |
| Super Glue | 3 ounces/year | 0.09/year | 1987 |
| Super Glue | 24 ounces/year | 0.7/year | 1993 |
| Torque Seal | 0.5 ounce/year | 0.02/year | 1993 |
| Torque Seal | 12 ounces/year | 0.36/year | 1993 |
| Weapon Oil, Light | 32 ounces/year | 1/year | 1987 |
| **Laser Shop** | | | |
| Electrical Contact Cleaner | 32 ounces/year | 1/year | 1987 |
| General Purpose Detergent | 132 ounces/year | 4/year | 1987 |
| Insulating Varnish | 4 ounces/year | 0.1/year | 1987 |
| Plastic Polish | 1 quart/year | 0.9/year | 1987 |
| Silicone Compound | 16 ounces/year | 0.5/year | 1987 |
| Silicone, Heat Sink Compound | 1 ounce/year | 0.03/year | 1987 |
| Weapon Oil, Light | 32 ounces/year | 1/year | 1987 |
| **Avionics Comm/Nav** | | | |
| Adhesive Paste, Clear RTV | 12 ounces/2 months | 0.36/2 months | 1987 |
| Adhesive Sealant, RTV | 9 ounces/year | 0.3/year | 1993 |
| Allen Solder Paste | 6 ounces/year | 0.18/year | 1993 |
| Brakleen | 19 ounces/2 months | 0.6/2 months | 1987 |
| Cleaning and Lubricating Compound | 16 ounces/2 months | 0.6/2 months | 1987 |
| Enamel, Gray Gloss | 52 ounces/year | 1.5/year | 1987 |
| Insulating Compound Silicone | 1 pound/year | 0.5/year | 1993 |
| Lacquer, Black | 13 ounces/year | 0.4/year | 1987 |
| Lubricating Oil, Watch | 15 cubic centimeters/year | 0.01/year | 1993 |
| Primer, RTV | 1 pint/year | 0.5/year | 1993 |
| Sealant Locking and Retaining Compound | 50 cubic centimeters/year | 0.05/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 930 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Sealing Compound, Aircraft Antenna | 12 ounces/year | 0.36/year | 1993 |
| Silicone Compound | 8 ounces/year | 0.2/year | 1993 |
| Soldering Paste | 2 ounces/6 years | 0.06/6 years | 1987 |

Table C-1. Hazardous Materials Storage, Facility 940

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Acrylic Brass Spray | Unknown | -- | 1984 |
| Adhesive | 1 quart/year | 0.9/year | 1987 |
| Adhesive, Silicone | 12 tubes/year | 5.4/year | 1993 |
| Aliphatic Thinner | Unknown | -- | 1984 |
| Cleaning Lube Compound, Electrical Contact | 36 cans/year | 817/year | 1993 |
| Component B Polyamide Converter | Unknown | -- | 1984 |
| Detergent | Unknown | -- | 1984 |
| General Purpose Detergent | 72 pints/year | 34/year | 1993 |
| Grease, Aircraft and Instrument | Unknown | -- | 1984 |
| Grease, Aircraft Brayco 855 | 2 quarts/year | 1.9/year | 1993 |
| Grease, Ball and Roller Bearing | 10 pounds/year | 4.5/year | 1987 |
| Grease, Ball and Roller Bearing | 1 quart/year | 0.9/year | 1993 |
| Grease, Ball and Roller Bearing | Unknown | -- | 1984 |
| Grease Cutter | Unknown | -- | 1984 |
| Grease, General Purpose | Unknown | -- | 1984 |
| Grease, General Purpose | 5 pounds/year | 2.3/year | 1987 |
| Grease, Molybdenum Disulfide | 12 cans/year | 272/year | 1993 |
| Industrial Adhesive | Unknown | -- | 1984 |
| Ink, Ideal Hardy Spray | Unknown | -- | 1984 |
| Ink, Marking | Unknown | -- | 1984 |
| Ink, Stencil | 2 pints/month | 0.9/month | 1987 |
| Lacquer | 1 pint/month | 0.5/month | 1987 |
| Lacquer, Acrylic | Unknown | -- | 1984 |
| Lacquer Thinner | 2 gallons/year | 7.6/year | 1987 |
| Lacquer, Yellow Camouflage | Unknown | -- | 1984 |
| Lube Oil, General Purpose | 48 cans/year | 1,089/year | 1993 |
| Lube Oil, Weapons | 24 quarts/year | 22.7/year | 1993 |
| Lubricant, O-Ring | 12 tubes/year | 5.4/year | 1993 |
| Lubricating Oil, General Purpose | Unknown | -- | 1984 |
| Methyl Ethyl Ketone | 2 gallons/year | 7.6/year | 1987 |
| Methyl Ethyl Ketone | Unknown | -- | 1984 |
| Oil, VVL 800 | 6 pints/month | 2.8/month | 1987 |
| Paint, Black Gloss Growco Spray | Unknown | -- | 1984 |
| Paint, Blue Growco 5-Star | Unknown | -- | 1984 |
| Paint, Enamel Gray | Unknown | -- | 1984 |

Table C-1. Hazardous Materials Storage, Facility 940 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Paint, Grenadine Red | Unknown | -- | 1984 |
| Paint, Red Growco 5-Star | Unknown | -- | 1984 |
| Paint, Rough texture Black | Unknown | -- | 1984 |
| Paint, Silver Growco 5-Star | Unknown | -- | 1984 |
| Perma Silk Lubricating Aerosol | 12 cans/year | 272/year | 1993 |
| Trichlorotrifluoroethane | 6 pints/year | 2.8/year | 1987 |
| Zep Formula | 10 pounds/month | 4.5/month | 1987 |
| Zep Prod,516 | 36 pounds/year | 16.3/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 948

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| **Corrosion Control** | | | |
| Acrylic Lacquer | 48 pints/year | 22.7/year | 1984 |
| Acrylic Lacquer | 12 pints/year | 5.7/year | 1984, 1986 |
| Age Green Quart | 24 kits/year | 11/year | 1993 |
| Alcohol, Butyl | 5 gallons/year | 19/year | 1984, 1986 |
| Alcohol Denatured | 1 gallon/month | 3.8/month | 1984, 1986 |
| Alcohol, Ethyl | 5 gallons/year | 19/year | 1984, 1986 |
| Aliphatic Thinner | 200 gallons/year | 756/year | 1986 |
| Aliphatic Urethane Enamel | 96 gallons/year | 363/year | 1984 |
| Alkaline Cleaning Compound | 500 gallons/year | 1,890/year | 1984, 1986 |
| Alodine 1200 | 12 quarts/year | 11.4/year | 1993 |
| Alodine 1201 | 1 quart/year | 0.9/year | 1984, 1986 |
| Aluminum Powder | 4 pounds/year | 1.8/year | 1986 |
| Armorcote Gray | Unknown | -- | 1984 |
| Bituminous Plastic Asphaltic Base | 5 gallons/year | 19/year | 1986 |
| Black Cronar | 8 gallons/year | 30/year | 1993 |
| Black Walkway Compound | 8 gallons/year | 30/year | 1993 |
| Capcoat Poly, Black | 8 kits/year | 3.6/year | 1993 |
| Catalyst | 12 quarts/year | 11.4/year | 1993 |
| Catalyst Component | 100 gallons/year | 454/year | 1984 |
| Chromate Conversion Coating | 1 pint/month | 0.5/month | 1981 |
| Cleaning Compound | 100 gallons/year | 378/year | 1981 |
| Cleaning Compound | 16 ounces/year | 0.5/year | 1984, 1986 |
| Cleaning Compound, Engine Path Gas | 1 gallon/year | 3.8/year | 1986 |
| Clear Coat | 2 gallons/year | 7.6/year | 1986 |
| Coating Compound | 5 gallons/year | 19/year | 1984, 1986 |
| Coating Epoxy Polyamide | 10 pints/year | 4.7/year | 1986 |
| Coating Polyurethane | 12 quarts/year | 11.4/year | 1986 |
| Compound Walkway | 12 gallons/year | 45.4/year | 1986 |
| Corrosion Preventative Compound | 6 pints/year | 2.8/year | 1984, 1986 |
| Corrosion Preventative Compound | 1 pint/month | 0.5/month | 1986 |
| Corrosion Preventative Compound | 4 pints/year | 1.9/year | 1993 |
| Corrosion Removing Compound | 1/2 gallon/month | 1.9/month | 1981 |

Table C-1. Hazardous Materials Storage, Facility 948 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Crankcase Oil | 21 ounce/year | 0.62/year | 1986 |
| Dephthante and Catalyst | 24 quarts/year | 22.7/year | 1993 |
| Dent Filler Bondo | 24 kits/year | 11/year | 1993 |
| Dope and Lacquer Thinner | 10 gallons/month | 37.8/month | 1986 |
| Enamel, Alkyd Gloss Blue | 1 quart/month | 0.9/month | 1986 |
| Enamel, Black | 48 pints/year | 22.7/year | 1984, 1986 |
| Enamel, Clear | 52 ounces/month | 1.6/month | 1986 |
| Enamel, Flat Black | 48 pints/year | 22.7/year | 1984, 1986 |
| Enamel, Gloss | 12 quarts/year | 11.4/year | 1984 |
| Enamel, Gloss | 1 gallon/month | 3.8/month | 1986 |
| Enamel, Gloss Black | 4 pints/year | 1.9/year | 1986 |
| Enamel, Gloss Black | 96 pints/year | 45.4/year | 1993 |
| Enamel, Gray | 48 pints/year | 22.7/year | 1984, 1986 |
| Enamel, Green | 4 gallons/year | 15/year | 1984, 1986 |
| Enamel, Olive Drab | 48 pints/year | 22.7/year | 1984, 1986 |
| Enamel, Orange | 48 pints/year | 22.7/year | 1984, 1986 |
| Enamel, Orange Spray Paint | 48 pints/year | 22.7/year | 1984, 1986 |
| Enamel, Poly | 96 gallons/year | 363/year | 1986 |
| Enamel, Poly Gunship Light Green | 96 gallons/year | 363/year | 1986 |
| Enamel, Red | 8 ounces/year | 0.2/year | 1984 |
| Enamel, Red | 1 gallon/month | 3.8/month | 1986 |
| Enamel, Red | 96 pints/year | 45.4/year | 1993 |
| Enamel, White | 96 pints/year | 45.4/year | 1993 |
| Enamel, White | 48 pints/year | 22.7/year | 1984, 1986 |
| Enamel, Yellow | 48 pints/year | 22.7/year | 1984, 1986 |
| Epoxy, Black | 48 quarts/year | 45.4/year | 1993 |
| Epoxy, Blue | 4 kits/year | 1.8/year | 1993 |
| Epoxy, Polyamide Water Reducible | 48 gallons/year | 181.4/year | 1993 |
| Epoxy, Primer Yellow | 2 kits/year | 0.9/year | 1993 |
| Epoxy, Resin | 72 quarts/year | 68/year | 1993 |
| Epoxy, White | 48 quarts/year | 45.4/year | 1993 |
| Flat Base Curing Solution | 12 kits/year | 5.4/year | 1993 |
| Formula Paint Stripper 1262 | 12 gallons/year | 45.4/year | 1984 |
| General Purpose Detergent | 44 ounces/week | 1.3/week | 1984, 1986 |
| Grease | 1 pound/year | 0.5/year | 1984 |

Table C-1. Hazardous Materials Storage, Facility 948 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Initiator Cronar No MSDS | 24 pints/year | 11.4/year | 1993 |
| Ink, Black Aerosol | 48 pints/year | 22.7/year | 1993 |
| Lacquer, Acrylic Green | 4 gallons/year | 15/year | 1993 |
| Lacquer, Acrylic Yellow | 2 gallons/year | 7.6/year | 1986 |
| Lacquer, Aerosol White | 1 pint/month | 0.5/month | 1986 |
| Lacquer, Aerosol White | 10 cans/year | 227/year | 1986 |
| Lacquer, Aluminum | 48 pints/year | 22.7/year | 1993 |
| Lacquer, Black | 4 pints/month | 1.9/month | 1986 |
| Lacquer, Black | 12 quarts/year | 11.4/year | 1993 |
| Lacquer, Black | 48 pints/year | 22.7/year | 1984, 1986 |
| Lacquer, Blue | 12 quarts/year | 11.4/year | 1984, 1986 |
| Lacquer, Blue Aerosol | 48 pints/year | 22.7/year | 1993 |
| Lacquer, Brass | 48 pints/year | 22.7/year | 1984, 1986 |
| Lacquer, Camouflage | 36 pints/year | 17/year | 1984 |
| Lacquer, Camouflage | 3 pints/month | 1.4/month | 1986 |
| Lacquer Cellulose Nitrate | 4 quarts/year | 3.8/year | 1986 |
| Lacquer, Clear | 48 pints/year | 22.7/year | 1984, 1986 |
| Lacquer, Clear | 4 gallons/year | 15/year | 1993 |
| Lacquer, Clear Aerosol | 48 pints/year | 22.7/year | 1993 |
| Lacquer, Gold Aerosol | 48 pints/year | 22.7/year | 1993 |
| Lacquer, Gray | 72 pints/year | 34/year | 1993 |
| Lacquer, Green | 24 quarts/year | 22.7/year | 1984, 1986 |
| Lacquer, Green | 4 gallons/year | 15/year | 1993 |
| Lacquer, Green Aerosol | 48 pints/year | 22.7/year | 1993 |
| Lacquer, Olive Drab | 48 pints/year | 22.7/year | 1993 |
| Lacquer, Red | 12 quarts/year | 11.4/year | 1984, 1986 |
| Lacquer, Red | 24 pints/year | 11.4/year | 1984, 1986 |
| Lacquer, Silver | 12 quarts/week | 11.4/week | 1984, 1986 |
| Lacquer, Silver | 48 pints/year | 22.7/year | 1984, 1986 |
| Lacquer, Sterling | 4 pounds/year | 1.8/year | 1984 |
| Lacquer, White | 12 quarts/year | 11.4/year | 1984, 1986 |
| Lacquer, White | 50 pints/year | 23.7/year | 1984, 1986 |
| Latex, Green | 20 gallons/year | 75.6/year | 1984, 1986 |
| Lube Compound | 1 pint/year | 0.5/year | 1986 |
| Lube Oil | 1 pint/year | 0.5/year | 1986 |
| Methyl Ethyl Ketone | 4 gallons/week | 15/week | 1984, 1986 |
| Methyl Ethyl Ketone | 15 gallons/month | 56.7/month | 1981 |

Table C-1. Hazardous Materials Storage, Facility 948 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Methyl Ethyl Ketone | 72 gallons/year | 272/year | 1993 |
| Naphtha | 24 gallons/year | 91/year | 1984, 1986 |
| Naphtha, Aliphatic | 48 gallons/year | 181.4/year | 1993 |
| Nitrocellulose Gloss | 2 gallons/year | 7.6/year | 1986 |
| Paint, Aerosol | 48 pints/year | 22.7/year | 1993 |
| Paint, Alkyd Gloss Gray | 48 pints/year | 22.7/year | 1984, 1986 |
| Paint and Lacquer Remover | 25 gallons/year | 94.5/year | 1986 |
| Paint, Blue | 4 gallons/year | 15/year | 1993 |
| Paint, Blue Aerosol | 24 pints/year | 11.4/year | 1993 |
| Paint, Brown | 48 pints/year | 22.7/year | 1993 |
| Paint, Camouflage Yellow | 2 gallons/year | 7.6/year | 1984 |
| Paint, Dark Gray | 360 pints/year | 170/year | 1993 |
| Paint, Flat Black Aerosol | 96 pints/year | 45.4/year | 1993 |
| Paint, Gray | 16 pints/year | 7.6/year | 1993 |
| Paint, Gray | 2 gallons/year | 7.6/year | 1986 |
| Paint, Gray | 72 pints/year | 34/year | 1993 |
| Paint, Lacquer Yellow | 5 gallons/year | 19/year | 1986 |
| Paint, Latex Base | 4 gallons/year | 15/year | 1986 |
| Paint, Latex Base Flat Interior | 4 gallons/year | 15/year | 1986 |
| Paint, Oil Concentrated | 1 gallon/year | 3.8/year | 1986 |
| Paint, Olive Drab | 2 gallons/month | 7.6/month | 1986 |
| Paint Remover | 50 gallons/year | 189/year | 1984, 1986 |
| Paint Remover | 25 gallons/year | 94.5/year | 1984, 1986 |
| Paint Remover | 12 gallons/year | 45.4/year | 1993 |
| Paint, Remover Epoxy | 4 pints/year | 1.9/year | 1986 |
| Paint, Spray Green | 26 ounces/month | 0.8/month | 1986 |
| Paint, Strata Blue Alkyd Gloss | 48 pints/year | 22.7/year | 1984, 1986 |
| Paint Stripper | 1 pint/month | 0.5/month | 1986 |
| Paint Stripper | 1 gallon/year | 3.8/year | 1986 |
| Paint, White | 20 gallons/year | 75.6/year | 1986 |
| Paint, Yellow Aerosol | 48 quarts/year | 45.4/year | 1993 |
| Paint, Yellow Alkyd Gloss | 48 pints/year | 22.7/year | 1984, 1986 |
| Paint, Yellow Spray | 48 pints/year | 22.7/year | 1984, 1986 |
| Paints, Lacquer Remover | 25 gallons/year | 94.5/year | 1984 |
| Petrolatum | 3.5 pounds/year | 1.6/year | 1993 |
| Pigment, Aerosol Propellant | 4 pounds/year | 1.8/year | 1986 |
| Pigment, Aluminum | 4 pounds/year | 1.8/year | 1984 |

Table C-1. Hazardous Materials Storage, Facility 948 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Poly, Activator | 10.5 gallons/year | 19/year | 1984 |
| Poly, Black | 100 gallons/year | 378/year | 1986 |
| Poly, Black | 24 quarts/year | 22.7/year | 1993 |
| Poly, Blue | 4 kits/year | 1.8/year | 1993 |
| Poly, Blue No MSDS | 12 kits/year | 5.4/year | 1993 |
| Poly, Camouflage Brown | Unknown | -- | 1984 |
| Poly, Camouflage Red | 0.5 gallon/year | 1.9/year | 1984 |
| Poly, Camouflage Yellow | 2 gallons/year | 7.6/year | 1984 |
| Poly, Clear Gloss | 36 kits/year | 16.3/year | 1993 |
| Poly, Clear No MSDS | 8 kits/year | 3.6/year | 1993 |
| Poly Coating | 0.5 gallon/week | 1.9/week | 1984 |
| Poly Coating, Camouflage Red | 0.5 gallon/year | 1.9/year | 1986 |
| Poly Coating, Gloss Gray | 2 gallons/year | 7.6/year | 1986 |
| Poly Coating, Gray | 80 quarts/year | 75.7/year | 1986 |
| Poly Coating, Olive Drab | 0.5 gallon/year | 1.9/year | 1986 |
| Poly Coating, Red Gloss | 0.5 gallon/year | 1.9/year | 1986 |
| Poly Coating, White | 0.5 gallon/year | 1.9/year | 1986 |
| Poly, Forest Green | 96 gallons/year | 363/year | 1984 |
| Poly, Forest Green | 96 gallons/year | 363/year | 1986 |
| Poly, Gloss Black | 0.5 gallon/month | 1.9/month | 1984 |
| Poly, Gloss Gray | 2 gallons/year | 7.6/year | 1984 |
| Poly, Gloss Gray | 12 gallons/year | 45.4/year | 1984, 1986 |
| Poly, Gray | 6.5 gallons/year | 11.4/year | 1984 |
| Poly, Gray | 48 quarts/year | 45.4/year | 1993 |
| Poly, Gray | 0.5 gallon/year | 1.9/year | 1984 |
| Poly, Green | 100 gallons/year | 378/year | 1984 |
| Poly, Gunship | 96 gallons/year | 363/year | 1984 |
| Poly, Olive Drab | 0.5 gallon/year | 1.9/year | 1984 |
| Poly, Reducer | 0.5 gallon/year | 1.9/year | 1984 |
| Poly, Tan | Unknown | -- | 1984 |
| Poly, White | 2 gallons/year | 7.61/year | 1984, 1986 |
| Poly, White | 0.5 gallon/year | 1.9/year | 1984 |
| Poly, White | 48 quarts/year | 45.4/year | 1984 |
| Poly, White | 12 quarts/year | 11.4/year | 1993 |
| Poly, Yellow | 12 quarts/year | 11.4/year | 1993 |
| Poly, Yellow | 8 gallons/year | 30/year | 1993 |
| Poly, Yellow Parts A + B | 6 quarts/year | 5.7/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 948 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Polyamide Con | Unknown | -- | 1984 |
| Polyamide Resin | 100 gallons/year | 378/year | 1986 |
| Polyurethane, Aliphatic | 6 kits/month | 2.7/month | 1986 |
| Polyurethane, Aliphatic | 1 gallon/month | 3.8/month | 1986 |
| Polyurethane, Aliphatic | 2 kits/month | 0.9/month | 1986 |
| Polyurethane, Aliphatic Green | 1 kit/month | 0.5/month | 1986 |
| Polyurethane, Black | 5 quarts/year | 4.7/year | 1984 |
| Polyurethane, Black | 8 gallons/year | 30/year | 1984, 1986 |
| Polyurethane, Black | 24 quarts/year | 22.7/year | 1993 |
| Polyurethane Coating | 0.5 gallon/week | 1.9/week | 1986 |
| Polyurethane Enamel, Green | 24 kits/year | 11/year | 1993 |
| Polyurethane Enamel, Red | 36 kits/year | 16.3/year | 1993 |
| Polyurethane Gloss, Black | 0.5 gallon/month | 1.9/month | 1986 |
| Polyurethane, Green | 32 gallons/year | 121/year | 1993 |
| Polyurethane, Green | 100 gallons/year | 378/year | 1986 |
| Polyurethane, Green | 48 gallons/year | 181.4/year | 1993 |
| Polyurethane, Green | 160 gallons/year | 605/year | 1993 |
| Primer, Brown | 4 pints/year | 1.9/year | 1986 |
| Primer, Brown | 48 pints/year | 22.7/year | 1984, 1986, 1993 |
| Primer, Cellulose | 4 gallons/year | 15/year | 1984 |
| Primer, Cellulose | 12 quarts/year | 11.3/year | 1984 |
| Primer Coating | 72 pints/year | 34/year | 1984, 1986 |
| Primer Coating | 12 quarts/year | 11.3/year | 1986 |
| Primer Coating | 52 ounces/month | 1.6/month | 1986 |
| Primer Compound 1 | 4 quarts/year | 3.8/year | 1986 |
| Primer, Epoxy Polyamide | 12 kits/month | 5.4/month | 1986 |
| Primer, Gray | 48 pints/year | 22.7/year | 1993 |
| Primer, Light Gray | 4 pints/month | 1.9/month | 1986 |
| Primer, Wash | 1 kit/month | 0.5/month | 1986 |
| Primer, Yellow | 56 ounces/month | 4.8/month | 1986 |
| Reducer | 12 gallons/year | 45.4/year | 1993 |
| Scouring Powder | 168 ounces/month | 8/month | 1986 |
| SD-1 Dry Cleaning Solvent | Unknown | -- | 1984 |
| SD-1 Dry Cleaning Solvent | 5 gallons/year | 19/year | 1986 |

Table C-1. Hazardous Materials Storage, Facility 948 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Self Pressured Spray Kit | 3 pints/week | 1.4/week | 1986 |
| Silicone Lube | 32 ounces/year | 1/year | 1984, 1986 |
| Spray Tool | 3 pints/week | 1.4/week | 1984 |
| Stripper, Spray | 72 pints/year | 34/year | 1993 |
| Tetra Ethyl Glycol Di | 5 gallons/year | 19/year | 1984 |
| Thinner | 100 gallons/year | 378/year | 1993 |
| Thinner | 1 gallon/year | 3.8/year | 1986 |
| Thinner | 48 gallons/year | 181.4/year | 1993 |
| Thinner, Aliphatic | 200 gallons/year | 756/year | 1984 |
| Thinner, Cellulose Acetate | 1 gallon/year | 3.8/year | 1984 |
| Thinner, Dope and Lacquer | 5 gallons/year | 19/year | 1986 |
| Thinner, Lacquer Cellulose Nitrate | 72 gallons/year | 272/year | 1993 |
| Toluene | 5 gallons/month | 19/month | 1981 |
| Toluene | 12 gallons/year | 45.4/year | 1984, 1986 |
| Trichloroethane | 1 quart/year | 0.9/year | 1984 |
| Trichloroethane | 32 ounces/year | 1/year | 1986 |
| Varnish | 1 gallon/year | 3.8/year | 1984, 1986 |
| Walkway Compound | 12 gallons/year | 45.4/year | 1984 |
| Walkway Compound, Dark Gray | 8 gallons/year | 30/year | 1993 |
| Zinc Chromate Primer | 48 pints/year | 22.7/year | 1993 |
| Zinc Chromate Primer Aerosol | 48 pints/year | 22.7/year | 1984, 1986 |
| Zinc Chromate Primer Green | 48 pints/year | 22.7/year | 1984, 1986 |
| **Fuel Systems** | | | |
| Adhesive | 1/3 1/2-ounce tube/ year | 0.007/year | 1990 |
| Adhesive, CS 3204 | 0.1 ounce/year | 0.003/year | 1993 |
| Epoxy Tabs | Unknown | -- | 1993 |
| JP-4 | Unknown | -- | 1993 |
| Leak Detection Powder | 0.3 ounce/year | 0.009/year | 1993 |
| Lube Oil, General Purpose | 0.2 ounce/year | 0.006/year | 1993 |
| Lubricating Oil, General Purpose | 1/4 ounce can/year | 0.007/year | 1990 |
| Methyl Ethyl Ketone | 4 gallons/year | 15/year | 1993 |
| Pig Putty | 1.2 tubes/year | 0.5/year | 1993 |
| Pro-Seal | 22 ounces/year | 0.6/year | 1993 |
| Sealing Compound Class A | 0.2 ounce/year | 0.005/year | 1990 |

Table C-1. Hazardous Materials Storage. Facility 948 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Sealing Compound Class B | 0.5 ounce/year | 0.01/year | 1990 |
| Sealing Compound | 48 ounces/year | 1.34/year | 1993 |
| Sealing Compound Class A | 3.6 ounces/year | 0.10/year | 1993 |
| Sealing Compound Class B | 2.1 ounces/year | 0.06/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 958

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Acid, Boric | 1 pound/year | 0.45/year | 1993 |
| Adhesive | 4 tubes/year | 1.8/year | 1990 |
| Adhesive | 8 ounces/year | 0.22/year | 1993 |
| Adhesive | 4 kits/year | 1.8/year | 1993 |
| Adhesive | 0.5 pint/year | 0.22/year | 1984 |
| Adhesive, Armstrong | 4 pounds/year | 1.8/year | 1993 |
| Adhesive, Epoweld | 1,600 grams/year | -- | 1993 |
| Adhesive, Epoweld | 4 boxes/year | 180/year | 1990 |
| Adhesive, Goodrich | 0.5 pint/year | 0.22/year | 1984 |
| Adhesive Sealant | 12 ounces/year | 0.33/year | 1990,1993 |
| Aerosol, Black | 13 ounces/week | 0.36/week | 1987 |
| Antifreeze | 4 gallons/year | 14.52/year | 1993 |
| Antiseize Compound | 1.5 pounds/year | 0.67/year | 1990 |
| Brake fluid | 4 quarts/year | 3.64/year | 1993 |
| Brake Fluid, Automotive | 1 gallon/year | 0.91/year | 1984 |
| Brakleen | 152 ounces/year | 4.25/year | 1993 |
| Brakleen | 152 ounces/year | 4.25/year | 1990 |
| Brakleen | 5 pints/year | 2.25/year | 1984 |
| Cleaning Compound, Aircraft | 40 gallons/year | 145.2/year | 1990,1993 |
| Cleaning Compound Detergent | 4 gallons/year | 14.52/year | 1993 |
| Coating, Polyurethane Aliphatic | 2 gallons/year | 7.26/year | 1984 |
| Compound 3 Polyurethane | 2 gallons/year | 7.26/year | 1984 |
| Compound Insulation | 2 pints/year | 0.9/year | 1993 |
| Corrosion Preventative Compound | 20 ounces/year | 0.56/year | 1984 |
| Corrosion Preventative Compound 3 | 4 cans/year | 90/year | 1993 |
| Dextron 2 Automatic Transmission Fluid | 12 cans/year | 270/year | 1993 |
| Diesel Starting Fluid | 12 cans/year | 270/year | 1993 |
| Diethylene Butycarbon | 20 gallons/year | 72.6/year | 1984 |
| Ektasolve DB Solvent | 1 gallon/year | 3.63/year | 1990,1993 |
| Electrical Contact Cleaner | 48 ounces/year | 1.34/year | 1984 |
| Enamel, Aerosol | 12 pints/year | 5.4/year | 1993 |
| Enamel, Alkyd Gloss Red | 36 ounces/month | 1/month | 1984 |
| Enamel, Alkyd Yellow Gloss | 36 ounces/year | 1/year | 1984 |
| Enamel, Gloss Black | 16 pints/year | 7.2/year | 1990,1993 |
| Enamel, Gray | 12 ounces/year | 0.33/year | 1984 |

Table C-1. Hazardous Materials Storage, Facility 958 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Enamel, Olive Drab | 12 pints/year | 5.4/year | 1993 |
| Enamel, Olive Drab Spray | 72 ounces/year | 2/year | 1984 |
| Enamel, Paint | 1 pint/year | 0.45/year | 1984 |
| Enamel, Red | 48 ounces/year | 1.34/year | 1990 |
| Enamel, Red | 192 ounces/year | 5.37/year | 1993 |
| Enamel, Silver Silicone | 1 gallon/year | 3.63/year | 1984 |
| Enamel, Spray Flat Black | 288 ounces/year | 8.06/year | 1984 |
| Enamel, Spray Red | 16 ounces/week | 0.45/week | 1984 |
| Enamel, White | 8 pints/year | 3.6/year | 1993 |
| Enamel, White | 130 ounces/year | 3.64/year | 1984 |
| Engine Fuel Primer | 4 pints/year | 1.8/year | 1993 |
| Ethyl Alcohol, Denatured | 40 quarts/year | 36.4/year | 1993 |
| Ethyl Alcohol, Denatured | 4 quarts/year | 3.64/year | 1990 |
| General Purpose Detergent | 4 gallons/year | 14.52/year | 1993 |
| Grease, Aircraft | 20 pounds/year | 19.55/year | 1993 |
| Grease, All Purpose | 5 pounds/year | 2.25/year | 1984 |
| Grease, Automotive and Artillery | 56 ounces/year | 1.56/year | 1993 |
| Grease, Bearing | 30 pounds/year | 13.5/year | 1993 |
| Grease, Molybdenum Disulfide | 2 pounds/year | 0.9/year | 1984 |
| Hydraulic Fluid | 20 gallons/year | 72.6/year | 1993 |
| Hydraulic Fluid | 6 quarts/year | 5.46/year | 1990 |
| Hydraulic Fluid | 160 gallons/year | 580.8/year | 1993 |
| Hydraulic Fluid | 40 gallons/year | 145.2/year | 1990 |
| Hydraulic Fluid | 40 gallons/month | 145.2/month | 1990 |
| Hydraulic Fluid | 28 pounds/year | 12.6/year | 1993 |
| Hydraulic Fluid | 16 quarts/year | 14.56/year | 1993 |
| Hydraulic Fluid | 100 gallons/year | 363/year | 1984 |
| Hydraulic Fluid | 96 quarts/year | 87.36/year | 1984 |
| Hydraulic Fluid, Aircraft | 40 gallons/year | 145.2/year | 1993 |
| Hydraulic Fluid, Automatic Transmission | 20 quarts/year | 18.2/year | 1990 |
| Lacquer, Acrylic | 16 ounces/month | 0.44/month | 1984 |
| Lacquer, Acrylic | 36 ounces/year | 1/year | 1984 |
| Lacquer, Acrylic | 78 ounces/year | 2.18/year | 1984 |
| Lacquer, Aerosol Flat Acrylic | 8 pints/year | 3.6/year | 1993 |
| Lacquer, Aerosol Yellow | 8 pints/year | 3.6/year | 1993 |
| Lacquer, Aluminum Aerosol | 12 pints/year | 5.4/year | 1993 |

Table C-1. Hazardous Materials Storage, Facility 958 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Lacquer, Brown | 1 pint/year | 0.45/year | 1990 |
| Lacquer, Clear Aerosol | 4 pints/year | 1.8/year | 1993 |
| Lacquer, Gray | 12 pint/year | 5.4/year | 1990 |
| Lacquer, Green Aerosol | 8 pints/year | 3.6/year | 1993 |
| Lacquer, Olive Drab | 8 pints/year | 3.6/year | 1993 |
| Lacquer, Yellow Enamel Acrylic | 12 pints/year | 5.4/year | 1993 |
| Leak Test Compound | 4 bottles/year | -- | 1993 |
| Lube Oil, 30 Weight | 220 gallons/year | 798.6/year | 1984 |
| Lube Oil, Aircraft Engine | 96 ounces/year | 2.68/year | 1993 |
| Lube Oil, Aircraft Engine | 12 quarts/year | 10.92/year | 1993 |
| Lube Oil, Engine | 220 gallons/year | 798.6/year | 1993 |
| Lube Oil, Engine 10 Weight | 16 quarts/year | 14.56/year | 1993 |
| Lube Oil, Engine | 220 gallons/year | 798.6/year | 1990 |
| Lube Oil, General Purpose | 16 ounces/year | 0.45/year | 1993 |
| Lube Oil, General Purpose | 64 ounces/year | 1.79/year | 1993 |
| Lube Oil, General Purpose | 4 quarts/year | 3.64/year | 1993 |
| Lube Oil, General Purpose | 16 ounces/week | 0.45/week | 1987 |
| Lube Oil, General Purpose | 40 ounces/week | 1.12/week | 1987 |
| Lube Oil, Steam Turbine | 20 gallons/year | 72.6/year | 1993 |
| Lube Solid Film Aerosol | 48 ounces/year | 1.34/year | 1993 |
| Lubricant, Gear | 4 drums/year | 750.6/year | 1993 |
| Lubricant, Solid Film | 20 ounces/year | 0.56/year | 1984 |
| Lubricating Compound Silicone | 1 quart/year | 0.91/year | 1984 |
| Lubricating Oil | 64 ounces/year | 1.79/year | 1990 |
| Lubricating Oil, General Purpose | 16 ounces/month | 0.45/month | 1990 |
| Lubricating Oil, Steam Turbine | 5 gallons/3 months | 18.15/3 months | 1990 |
| Methyl Ethyl Ketone | 3 gallons/year | 10.89/year | 1984 |
| Naphtha Aliphatic | 4 gallons/year | 14.52/year | 1993 |
| Naphtha Aliphatic Type 2 | 2 gallons/year | 7.26/year | 1984 |
| Oil, 15-40 Weight | 48 quarts/year | 43.68/year | 1993 |
| Oil, Shell Turbo | 164 ounces/year | 4.59/year | 1990,1993 |
| Oil Stain | 0.5 gallon/year | 1.81/year | 1984 |
| Oil, Steam Turbine | 5 gallons/month | 18.15/month | 1987 |
| Paint, Aerosol Colors | 8 pints/year | 3.6/year | 1993 |
| Paint, Aluminum Heat Resisting | 1 quart/year | 0.91/year | 1990 |
| Paint, Aluminum Heat Resistant | 1 gallon/year | 3.63/year | 1993 |
| Paint, Aluminum Heat Resistant | 3 quarts/year | 2.73/year | 1984 |

Table C-1. Hazardous Materials Storage, Facility 958 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Paint, Black Heat Resisting Aerosol | 4 pints/year | 1.8/year | 1993 |
| Paint, Dark Green Aerosol | 1 pint/year | 0.45/year | 1990 |
| Paint, Gloss Black | 1 pint/year | 0.45/year | 1984 |
| Paint, Gray | 12 pints/year | 5.4/year | 1993 |
| Paint, Gray Aerosol | 8 pints/year | 3.6/year | 1993 |
| Paint, High Heat Resistant Aerosol | 12 pints/year | 5.4/year | 1993 |
| Paint, Latex White Testing | 1 pint/year | 0.45/year | 1984 |
| Paint, Olive Drab | 8 pints/year | 3.6/year | 1990 |
| Paint, Olive Drab | 72 ounces/year | 1.96/year | 1987 |
| Paint, Olive Drab | 16 ounces/week | 0.45/week | 1984 |
| Paint Remover | 2 quarts/year | 1.82/year | 1984 |
| Paint Remover | 1 gallon/year | 3.63/year | 1984 |
| Paint, Silver Spray | 36 ounces/year | 1.008/year | 1984 |
| Paint, White Aerosol | 4 pints/year | 1.8/year | 1993 |
| Penetrating Fluid | 30 ounces/year | 0.84/year | 1984 |
| Penetrating Oil | 4 pints/year | 1.8/year | 1990 |
| Penetrating Oil, Aerosol | 48 ounces/year | 1.344/year | 1993 |
| Penetrating Oil, Aerosol | 60 ounces/year | 1.68/year | 1993 |
| Penetrating Oil, Type 1 | 70 ounces/year | 1.96/year | 1984 |
| Perma-Silk Lubricant Aerosol | 64 ounces/year | 1.792/year | 1993 |
| Petrolatum Technical | 7 pounds/year | 3.15/year | 1993 |
| Poly, Dark Green | 1 pint/year | 0.45/year | 1993 |
| Poly, Dark Green | 24 pints/year | 10.8/year | 1993 |
| Primer Coating, Aerosol Brown | 16 ounces/week | 0.448/week | 1987 |
| Primer, Gray | 8 pints/year | 3.6/year | 1993 |
| Propane | 56.4 ounces/year | 1.5792/year | 1990 |
| Propane Cylinder | 4 cylinders/year | 180/year | 1993 |
| Protective Coating and Beautifier | 4 pints/year | 1.8/year | 1993 |
| Rubber Base | 1 pint/year | 0.45/year | 1984 |
| Safety Kleen | 30 gallons/year | 108.9/year | 1993 |
| Scotchlite 735 | 32 ounces/year | 0.896/year | 1993 |
| Scotchlite Edge Sealer | 32 ounces/year | 0.896/year | 1990 |
| Sealing Compound | 4 cans/year | 90/year | 1993 |
| Sealing Compound | 2 pints/year | 0.9/year | 1984 |

Table C-1. Hazardous Materials Storage, Facility 958 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Silicone Sealant | 8 ounces/year | 0.22/year | 1993 |
| Silicone Spray Lube | 64 ounces/year | 1.79/year | 1993 |
| Solder, Tin Alloy | 1 pound/year | 0.45/year | 1990,1993 |
| Spray Kit Self Pressurized | 246 ounces/year | 6.88/year | 1984 |
| Spray Tool | 16 ounces/year | 0.44/year | 1984 |
| Stoddard Solvent | 150 gallons/year | 544.5/year | 1984 |
| Thinner | 4 gallons/year | 14.52/year | 1990,1993 |
| Thinner, Aliphatic Poly | 6 gallons/year | 21.78/year | 1984 |
| Varnish | 1 gallon/2 years | 3.63/2 years | 1984 |
| Walkway Compound | 1 gallon can/year | 3.63/year | 1990 |
| Walkway Compound, Black | 1 gallon/year | 3.63/year | 1993 |
| Zinc Chromate Primer, Green | 8 pints/year | 3.6/year | 1993 |
| Zinc Chromate Primer, Green | 13 ounces/month | 0.36/month | 1984 |
| Zinc Chromate Primer, Yellow | 13 ounces/week | 0.36/week | 1984 |

Table C-1. Hazardous Materials Storage, Facility 966

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Accelerator Sealing Compound | 8 ounces/year | 0.22/year | 1993 |
| Adhesive | 8 ounces/4 months | 0.22/4 months | 1992 |
| Adhesive, EPK | 16 ounces/year | 0.44/year | 1993 |
| Adhesive, Rubber Base | 1 quart/year | 0.91/year | 1984 |
| Adhesive Sealant, RTV | 24 ounces/year | 0.67/year | 1993 |
| Adhesive, Silicone | 12 ounces/year | 0.33/year | 1993 |
| Aerosol Room Deodorant | 48 pints/year | 21.6/year | 1984 |
| Battery Alkaline | Unknown | -- | 1992 |
| Biogenic SE | 1 quart/3 months | 0.91/3 months | 1992-1993 |
| Chromate Primer | 2 cans/month | 45/month | 1984 |
| Cleaning Compound | 1 pint/year | 0.45/year | 1984 |
| Corrosive Preventative | 1 pint/year | 0.45/year | 1984 |
| Detergent | 0.5 gallon/year | 1.81/year | 1984 |
| Detergent | 1 gallon/year | 3.63/year | 1984 |
| Detergent, General Purpose | Unknown | -- | 1992 |
| Dry Lubricating Compound | 12 pints/year | 5.4/year | 1984 |
| Enamel, Alkyd Gloss Yellow | Unknown | -- | 1984 |
| Enamel, Alkyd Strata Blue | 1 can/year | 23/year | 1984 |
| Enamel, Brown | 48 pints/year | 21.6/year | 1984 |
| Enamel, Clear | 6 cans/year | 135/year | 1984 |
| Enamel, Gloss Black | 72 ounces/year | 2.01/year | 1984 |
| Enamel, High Gloss White | 6 cans/year | 135/year | 1984 |
| Enamel, Red | 2 pints/year | 0.9/year | 1993 |
| Epoxy Patch | 8 ounces/6 months | 0.22/6 months | 1992 |
| Epoxy Resin | 16 ounces/year | 0.44/year | 1993 |
| Glass Cleaner | Unknown | -- | 1984 |
| Glass Cleaner | 10 gallons/year | 36.3/year | 1984 |
| Glass Cleaner | Unknown | -- | 1992 |
| Grease | 5 pounds/2 months | 2.25/2 months | 1992 |
| Grease, Aircraft | 30 pounds/year | 13.5/year | 1993 |
| Grease, Aircraft | Unknown | -- | 1984 |
| Lacquer | Unknown | -- | 1984 |
| Lacquer, Acrylic White | Unknown | -- | 1984 |
| Lacquer, Aerosol Black | 3 cans/year | 202.5/year | 1984 |
| Lacquer, Aerosol Silver | 18 cans/year | 405/year | 1984 |
| Lacquer, Black | 48 pints/year | 21.6/year | 1984 |
| Lacquer, Black | Unknown | -- | 1984 |

Table C-1. Hazardous Materials Storage, Facility 966 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Lacquer, Camouflage Yellow | Unknown | -- | 1984 |
| Lacquer, White | 2 cans/year | 45/year | 1984 |
| Lacquer, White | 48 pints/year | 21.6/year | 1984 |
| Lacquer, Black | 2 cans/year | 45/year | 1984 |
| Latex Paint, White | 1 gallon/year | 3.63/year | 1984 |
| Lube Compound, Dimethylsilic | 8 ounces/year | 0.22/year | 1993 |
| Lube Oil, General Purpose | 6 ounces/year | 0.16/year | 1993 |
| Lubricant | 48 pints/year | 21.6/year | 1984 |
| Lubricating Compound Silicone | 24 pints/year | 10.8/year | 1984 |
| Lubricating Compound Silicone | 8 ounces/year | 0.22/year | 1992 |
| Lubricating Oil | Unknown | -- | 1984 |
| Lubricating Oil | 6 ounces/6 months | 0.16/6 months | 1992 |
| Lubricating Oil | 48 pints/year | 21.6/year | 1984 |
| Lubricating Oil, General Purpose | 6 ounces/year | 0.16/year | 1992 |
| Lubtork | Unknown | -- | 1992 |
| Methyl Ethyl Ketone | 3 gallons/year | 10.89/year | 1984 |
| Methyl Ethyl Ketone | 0.3 gallon/year | 1.08/year | 1993 |
| Naphtha, Aliphatic | 2 gallons/year | 7.26/year | 1984 |
| Naphtha, Aliphatic | 10 gallons/year | 36.3/year | 1984 |
| Oil | 1 quart/year | 0.91/year | 1984 |
| Paint, Aerosol Red Spray | 6 pints/year | 2.7/year | 1984 |
| Paint, Brown Oxide Primer | 48 ounces/year | 1.34/year | 1984 |
| Paint, Red | 6 ounces/6 months | 0.16/6 months | 1992 |
| Paint, Silver Spray | Unknown | -- | 1984 |
| Paint Stripping Compound | 220 gallons/year | 798.6/year | 1984 |
| PD-680 | 60 gallons/year | 217.8/year | 1984 |
| Penetrating Oil, Aerosol | 12 ounces/year | 0.33/year | 1993 |
| Penetrating Oil Type 2 | 1 pint/year | 0.45/year | 1984 |
| Primer Coating Yellow | 18 cans/year | 414/year | 1984 |
| Primer Coating Zinc Chromate | 18 cans/year | 414/year | 1984 |
| Primer, Gray | 6 ounces/6 months | 0.16/6 months | 1992 |
| Primer, Gray | 6 ounces/year | 0.16/year | 1993 |
| Protective Coating | 24 quarts/year | 21.84/year | 1984 |
| Safety Kleen | 6 ounces/month | 0.16/month | 1992 |
| Safety Kleen | 60 gallons/year | 217.8/year | 1993 |
| Sealing Compound | 8 tubes/2 months | 3.6/2 months | 1992 |
| Silicone Compound | 6 ounces/year | 0.16/year | 1992 |

Table C-1. Hazardous Materials Storage, Facility 966 (Continued)

| Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Silicone, RTV | 8 ounces/4 months | 0.22/4 months | 1992 |
| Solvent | 48 pints/year | 21.6/year | 1984 |
| Spray Paints | 10 cans/month | 2.30/month | 1984 |
| Thinner | 3 gallons/year | 10.89/year | 1984 |
| Thinner, Aliphatic | Unknown | -- | 1984 |
| Thinner, Aliphatic Polyurethane | 10 gallons/year | 36.3/year | 1984 |
| Thinner, Polyurethane | 0.5 gallon/month | 1.81/month | 1984 |
| Torque Seal | Unknown | -- | 1992 |
| Turco | Unknown | -- | 1984 |
| Zinc Chromate Primer | 2 cans/month | 45/month | 1984 |

Table C-1. Hazardous Materials Storage, Facility 1202

| Product | Quantity Stored | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Activated Desiccant | 100 pounds/year | 45/year | 1983 |
| Adhesive | 12 ounces/year | 0.33/year | 1993 |
| Adhesive, Epoweld | 2 kits/year | 0.9/year | 1993 |
| Adhesive, Foam and Fabric | 19.5 ounces/year | 0.54/year | 1983 |
| Adhesive, General Purpose | 6 ounces/year | 0.16/year | 1993 |
| Adhesive, Industrial | 1 quart/year | 0.91/year | 1983 |
| Adhesive Parts A + B | 6 ounces/year | 0.16/year | 1993 |
| Adhesive, Prime Coat | 12 ounces/year | 0.33/year | 1993 |
| Adhesive, Rubber | 0.5 pint/year | 0.22/year | 1986 |
| Adhesive, Sealant, RTV | 30 ounces/year | 0.84/year | 1993 |
| Adhesive, Super Foamfast | 48 ounces/year | 1.34/year | 1993 |
| Adhesive, Thermofit | 2 kits/year | 0.9/year | 1993 |
| Aerosol Colors 251 | 2 pints/year | 0.9/year | 1993 |
| Alcohol, Denatured | 5 quarts/year | 4.55/year | 1986 |
| Alcohol, Denatured Anhydrous | 12 quarts/year | 10.92/year | 1993 |
| Alcohol, Denatured Prop Solvent | 12 quarts/year | 10.92/year | 1993 |
| Alodine 1201 | 1 quart/2 years | 0.91/2 years | 1986 |
| Argon Compressed Gas | 10 cylinders/year | 450/year | 1993 |
| Brake Cleaner | 1 can/2 years | 23/2 years | 1983 |
| Brake Fluid | 6 gallons/year | 21.78/year | 1993 |
| Brake Fluid, Automotive | 1 gallon/month | 3.63/month | 1983 |
| Brake Fluid, Silicone | 10 gallons/year | 36.3/year | 1986 |
| Brakleen | 24 pints/year | 10.8/year | 1993 |
| Brakleen | 912 ounces/year | 25.53/year | 1986 |
| Break Free | 2 pints/year | 0.9/year | 1993 |
| Cleaner | Unknown | -- | 1986 |
| Cleaning Compound Detergent | 2 gallons/year | 7.26/year | 1993 |
| Cleaning Compound Solvent | 2 pints/year | 0.91/year | 1993 |
| Corrosion Preventative Compound | 32 ounces/year | 0.89/year | 1986 |
| Corrosion Preventative Compound | 60 ounces/year | 1.68/year | 1993 |
| Corrosion Preventative Compound 3 | 4 pints/year | 1.8/year | 1993 |
| Corrosion Preventative Compound | 64 ounces/year | 1.79/year | 1983 |
| Cutting Fluid | 14 ounces/year | 0.39/year | 1986 |
| Denatured Ethyl Alcohol | 1 quart/month | 0.91/month | 1983 |

Table C-1. Hazardous Materials Storage, Facility 1202 (Continued)

| Product | Quantity Stored | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Desiccant, Activated | 2 pounds/year | 0.9/year | 1993 |
| Desiccant, Activated | 1 pound/year | 0.45/year | 1986 |
| Diesel Fuel | 10 gallons/year | 36.3/year | 1993 |
| Diesel Fuel, Regular | 25 gallons/year | 90.75/year | 1986 |
| Elmers Glue | 8 ounces/year | 0.22/year | 1983 |
| Enamel Acrylic, Yellow | 4 pints/year | 1.8/year | 1993 |
| Enamel, Alkyd Gloss | 26 ounces/year | 0.72/year | 1986 |
| Enamel, Black Spray Paint | 1 pint/year | 0.45/year | 1986 |
| Enamel, Blue | 6 pints/year | 2.7/year | 1993 |
| Enamel, Blue Spray | 13 ounces/year | 0.36/year | 1983 |
| Enamel, Gray Gloss | 13 ounces/year | 0.36/year | 1983 |
| Enamel, Olive Drab | 18 pints/year | 8.1/year | 1993 |
| Enamel, Red | 10 pints/year | 4.5/year | 1993 |
| Enamel, Spray | 52 ounces/month | 1.45/month | 1983 |
| Enamel, Spray | 12.75 ounces/month | 0.35/month | 1983 |
| Enamel, White | 312 ounces/year | 8.73/year | 1986 |
| Engine Starting Fluid | 128 ounces/year | 3.58/year | 1986 |
| Epoxy Resin | 2 kits/year | 0.9/year | 1993 |
| Filtrol Desiccant | 2 pints/year | 0.9/year | 1993 |
| Floor Finish Non-Buffing | 10 gallons/year | 36.3/year | 1993 |
| Form A Gasket | 6 ounces/year | 0.16/year | 1993 |
| Gasoline No-Lead Unbranded | 10 gallons/year | 36.3/year | 1993 |
| Grease, Aircraft and Artillery | 12 pounds/year | 5.4/year | 1986 |
| Grease, Aircraft and Instrument | 1 pound/year | 0.45/year | 1986 |
| Grease, Aircraft and Instrument | 1.75 pounds/year | 0.78/year | 1983 |
| Grease, Aircraft and Instrument | 4 pounds/year | 1.8/year | 1993 |
| Grease, Auto and Artillery | 4 pounds/year | 1.8/year | 1993 |
| Grease, Auto and Artillery | 70 pounds/year | 31.5/year | 1993 |
| Grease, Auto Lubricating | 1 pound/week | 0.45/week | 1983 |
| Grease, Ball and Roller Bearing | 4 pounds/year | 1.8/year | 1993 |
| Grease, Silicone Compound | 20 ounces/year | 0.56/year | 1993 |
| Hydraulic Fluid, Petroleum Base | 2 gallons/year | 7.26/year | 1993 |
| Ink, Black Handy Spray | 59,345. ounces/year | 1,661.66/year | 1986 |
| Ink, Metal Marking Stencil | 1 pint/year | 0.45/year | 1986 |
| Ink, Red Marking | 96 ounces/year | 2.68/year | 1986 |
| Ink, White Handy Spray | 192 ounces/year | 5.37/year | 1986 |
| Ink, Yellow Marking | 96 ounces/year | 2.68/year | 1986 |

Table C-1. Hazardous Materials Storage, Facility 1202 (Continued)

| Product | Quantity Stored | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| JP-4 | 5 gallons/year | 18.15/year | 1993 |
| Lacquer, Acrylic | 78 ounces/week | 2.18/week | 1983 |
| Lacquer, Acrylic | 2 pints/year | 0.9/year | 1986 |
| Lacquer, Acrylic | 0.5 gallon/year | 1.81/year | 1983 |
| Lacquer, Black | 2 pints/year | 0.9/year | 1986 |
| Lacquer, Blue | 3 pints/year | 1.35/year | 1993 |
| Lacquer, Clear Acrylic | 13 ounces/year | 0.36/year | 1986 |
| Lacquer, Clear Aerosol | 4 ounces/year | 0.11/year | 1993 |
| Lacquer, Olive Drab | 8,112 ounces/year | 227.13/year | 1986 |
| Lacquer, Olive Drab | 1 pint/year | 0.45/year | 1986 |
| Lacquer, Olive Drab | 18 pints/year | 8.1/year | 1993 |
| Lacquer, Orange Aerosol Stencil | 8 pints/year | 3.6/year | 1993 |
| Lacquer, Red | 1 pint/year | 0.45/year | 1986 |
| Lacquer, Silver | 5 quarts/year | 4.55/year | 1986 |
| Lacquer, White | 2 pints/year | 0.9/year | 1993 |
| Lacquer, Yellow | 1,014 ounces/year | 28.39/year | 1986 |
| Leak Test Compound | 2 bottles/year | -- | 1993 |
| Lube Oil | 25 ounces/year | 0.7/year | 1983 |
| Lube Oil | 1 pound/week | 0.45/week | 1983 |
| Lube Oil, Antifreeze | 6 quarts/year | 5.46/year | 1993 |
| Lube Oil, General Purpose | 2 quarts/year | 1.82/year | 1993 |
| Lubricant Fluorocarbon | 32 ounces/year | 0.89/year | 1983 |
| Lubricating Oil | 16 ounces/year | 0.44/year | 1986 |
| Lubricating Oil, Anderol | 2 quarts/year | 1.82/year | 1993 |
| Methyl Ethyl Ketone | 5 gallons/year | 18.15/year | 1983 |
| Mogas, Regular | 25 gallons/year | 90.75/year | 1986 |
| Molybdenum Disulfide | 2 ounces/year | 0.05/year | 1986 |
| Molybdenum Disulfide | 12 pounds/year | 5.4/year | 1993 |
| Obliterating Aerosol | 1 pint/year | 0.45/year | 1986 |
| Obliterating Compound | 10 pints/year | 4.5/year | 1993 |
| Oil, 10 Weight Special Duty | 6 quarts/year | 5.46/year | 1993 |
| Oil, Engine 2-Cycle Marine | 80 ounces/year | 2.24/year | 1993 |
| Paint, Black | 12 pints/year | 5.4/year | 1993 |
| Paint, Black | 2 quarts/year | 1.82/year | 1993 |
| Paint, Black | 48 pints/year | 21.6/year | 1993 |
| Paint, Gray Aerosol | 10 pints/year | 4.5/year | 1993 |
| Paint, Orange | 91 ounces/year | 2.54/year | 1986 |

Table C-1. Hazardous Materials Storage, Facility 1202 (Continued)

| Product | Quantity Stored | Quantity Stored (kg) | Duration of Storage |
|---|---|---|---|
| Paint, Spray | 26 ounces/month | 0.72/month | 1983 |
| Paint, White | 20 ounces/year | 0.56/year | 1986 |
| Paint, White Stencil | 18 pints/year | 8.1/year | 1993 |
| Paint, Yellow Spray | 13 ounces/month | 0.36/month | 1983 |
| PD-680 | 6 gallons/year | 21.78/year | 1983 |
| Perma Silk G Lubricant Aerosol | 0.5 pound/year | 0.22/year | 1993 |
| Primer Coating | 26 ounces/month | 0.72/month | 1983 |
| Primer, Gray | 4 pints/month | 1.8/month | 1983 |
| Safety Kleen 140 | 30 gallons/year | 108.9/year | 1993 |
| Sealant, RTV | 6 tubes/year | 2.7/year | 1993 |
| Silicone Spray Lubricant, Trizol | 32 ounces/year | 0.89/year | 1993 |
| Super Glue | 2 ounces/year | 0.05/year | 1993 |
| Tractor Oil | 1 quart/year | 0.91/year | 1986 |
| Trichloroethane | 1 quart/year | 0.91/year | 1983 |
| Turtle Wax Car Polish | 72 ounces/year | 2.01/year | 1993 |
| Zep Tox 2 | 96 ounces/year | 2.68/year | 1986 |
| Zep Tox 2 | 24 cans/year | 552/year | 1993 |
| Zinc Chromate Primer | 104 ounces/year | 2.91/year | 1986 |
| Zinc Chromate Primer | 4 pints/month | 1.8/month | 1983 |

## Table C-2. Hazardous Material Storage in Quantities Exceeding 40 CFR 373 Thresholds
Page 1 of 2

| Facility Number | Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Years | Constituents | % | Synonym(s) | CASRN |
|---|---|---|---|---|---|---|---|---|
| 828 | Cleaning compound sovent | 72 cans/year | 1,633/year | 1993 | Trichlorotrifouoroethane | 97 | Chlorinated fluorocarbon<br>Freon 113<br>Refrigerant 113 | 76-13-1 |
| | | | | | Carbon dioxide | 3 | Dry ice | 124-38-9 |
| 828 | Cleaning compound solvent | 1 can/day | 23/day | 1983 | NL | NL | NL | NL |
| 828 | Lube oil, general purpose | 120 cans/year | 2,722/year | 1993 | Transformer oil (PCB free) | 92 | NL | NL |
| | | | | | Corrosion inhibitor | 6 | NL | NL |
| | | | | | Thermo setting acrylic | 1 | NL | NL |
| | | | | | Food grade antioxidant | 0.5 | NL | NL |
| | | | | | Low foaming surfactant | 0 5 | NL | NL |
| 828 | PD 157 | 72 cans/year | 1,633/year | 1993 | NL | NL | NL | NL |
| 828 | PD-680 | 150 gallons/6 months | 567/6 months | 1986 | Aliphatic petroleum distillates | 95 | NL | NL |
| 828 | Permul Silk G lubricant aerosol | 120 cans/year | 2 722/year | 1993 | Molybdenum disulfide | NL | NL | NI |
| | | | | | Inorganic lead compound | NL | NI | NI |
| | | | | | Antimony trioxide (Sara III) | NL | Antimony trioxide, production | 1309 64 4 |
| | | | | | Methyl ethyl ketone | NL | 2-Butanone<br>Ethel methyl ketone<br>Methyl acetone | 78 93 3 |
| | | | | | Xylenes | NL | Benzene, dimethyl<br>Dimethyl benzene | 1330 20 7 |
| | | | | | Mineral spirits | NL | NL | NL |
| 828 | Safety Kleen | 1,800 gallons/year | 6,804/year | 1993 | Anti-static additive | NL | NL | NL |
| | | | | | Dye | NL | NL | NL |
| | | | | | 140 solvent | NL | NL | NL |
| 828 | Safety Kleen 140 | 280 gallons/year | 1,058/year | 1992 | 140 solvent | 100 | NL | NL |

CFR = Code of Federal Regulations
NL = Not listed

## Table C-2. Hazardous Material Storage in Quantities Exceeding 40 CFR 373 Thresholds
Page 2 of 2

| Facility Number | Product | Quantity Stored (Units Provided) | Quantity Stored (kg) | Years | Constituents | % | Synonym(s) | CASRN |
|---|---|---|---|---|---|---|---|---|
| 828 | Safety Kleen 140 solvent | 150 gallons/6 months | 567/6 months | 1990 | Anti-static additive | NL | NL | NL |
| | | | | | Dye | 0.003 | NL | NL |
| | | | | | 140 solvent | 100 | NL | NL |
| 839 | Zyglo cleaner | 12 cans/month | 272/month | 1981 | NL | NL | NL | NL |
| 839 | Zyglo developer | 1 can/month | 23/month | 1981 | NL | NL | NL | NL |
| 918 | Brake parts cleaner | 264 cans/year | 5,987/year | 1993 | NL | NL | NL | NL |
| 918 | Brakleen | 264 cans/year | 5,987/year | 1993 | NL | NL | NL | NL |
| 927 | Cleaning, engine | 50 gallons/month | 189/month | 1981 | NL | NL | NL | NL |
| 927 | Lubricating oil, turbine | 50 gallons/month | 189/month | 1981 | NL | NL | NL | NL |
| 927 | Methanol, technical | 300 gallons/month | 1,134/month | 1983 | Methanol | 100 | Methyl alcohol<br>Monohydroxymethane<br>Wood alcohol | 67 56 1 |
| 927 | Lubricating oil, turbine | 50 gallons/month | 189/month | 1981 | NL | NL | NL | NL |
| 927 | Methanol, technical | 300 gallons/month | 1,134/month | 1983 | Methanol | 100 | Methyl alcohol<br>Monohydroxymethane<br>Wood alcohol | 67 56 1 |
| 927 | Safety-Kleen 140 | 490 gallons/year | 1,852/year | 1990 | Anti-static additive | NL | NL | NL |
| | | | | | Dye | 0.003 | NL | NL |
| | | | | | 140 solvent | 100 | NL | NL |
| 927 | Safety-Kleen 140 | 280 gallons/year | 1,058.4/year | 1993 | 140 solvent | 100 | NL | NL |
| 940 | Lube oil, general purpose | 48 cans/year | 1,089/year | 1993 | Transformer oil (PCB free) | 92 | NL | NL |
| | | | | | Corrosion inhibitor | 6 | NL | NL |
| | | | | | Thermosetting acrylic | 1 | NL | NL |
| | | | | | Food grade antioxidant | 0.5 | NL | NL |
| | | | | | Low foaming surfactant | 0.5 | NL | NL |
| 948 | Alkaline cleaning compound | 500 gallons/year | 1,890/year | 1984-1986 | NL | NL | NL | NL |
| 1202 | Black handy spray ink | 59,345/year | 1,661.66/year | 1986 | Methylene chloride | 29 | Dichloromethane<br>Methylone chloride<br>Narkotil | 75 09 2 |
| | | | | | Aromatic hydrocarbons | 15 | NL | NL |
| | | | | | Ketones | 18 | NL | NL |

CFR = Code of Federal Regulations
NL = Not listed

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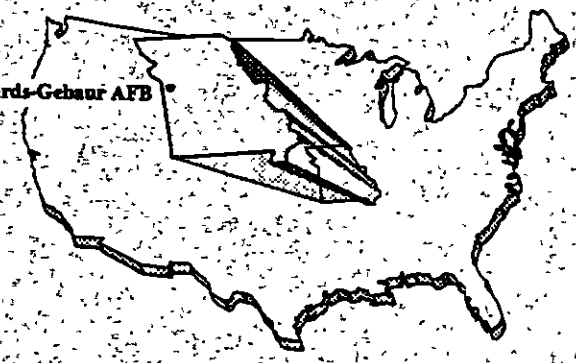


# APPENDIX D

# APPENDIX D

# SUMMARY OF TITLE SEARCH

Table D-1. Summary of Title Search

| Legal Description | Dates of Property Transfer [a] | Type of Transfer |
|---|---|---|
| Portions of Section 2, T 46N, R33W | | |
| W 1/2, W 1/2 | 02-28-41 | Fee |
| | 12-10-51 | Fee |
| E 1/2, NW 1/4<br>E 1/2, SW 1/4<br>W 1/2, NE 1/4<br>W 1/2, SE 1/4 | 09-28-46 | Fee |
| Portions of Section 3, T46N, R33W | | |
| E 1/2, NE 1/4 | 02-28-41 | Fee |
| | 12-10-51 | Fee |
| Portions of Section 11, T46N, R33W | | |
| W 1/2, NW 1/4 | 02-22-41 | Fee |
| E 1/2, NW 1/4 | 12-10-51 | Fee |
| Portions of Sections 2, 3, 10, and 11 | 12-07-51 | Fee |
| | 08-25-55 | Fee |
| Portions of Section 26, T47N, R33W | | |
| W 1/2, SW 1/4 | 05-12-60 | Fee |
| Portions of Section 27, T47N, R33W | | |
| NW 1/4<br>SE 1/4<br>SW 1/4 | 05-12-60 | Fee |
| S 1/2 | 11-22-55 | Fee |
| SE 1/4, SW 1/4 | 12-04-56 | Fee |
| Portions of Section 34, T47N, R33W | | |
| E 1/2, SE 1/4<br>W 1/2, SE 1/4 | 11-14-41 | Fee |
| E 1/2, NW 1/4 | 11-14-41 | Fee |
| E 1/2, NE 1/4 | 11-14-41 | Fee |
| S 1/2 | 11-14-41 | Fee |
| Portions of Section 35, T47N, R33W | | |
| N 1/2 | 11-14-41 | Fee |
| NW 1/4, SE 1/4 | 12-07-42 | Fee |
| E 1/2<br>S 1/2 | 01-28-53 | Fee |
| Portions of Sections 34 and 35 | 08-25-55 | Fee |
| Portions of Section 35 | 10-08-58 | Fee |

Note: (a) Dates given as month-day-year.

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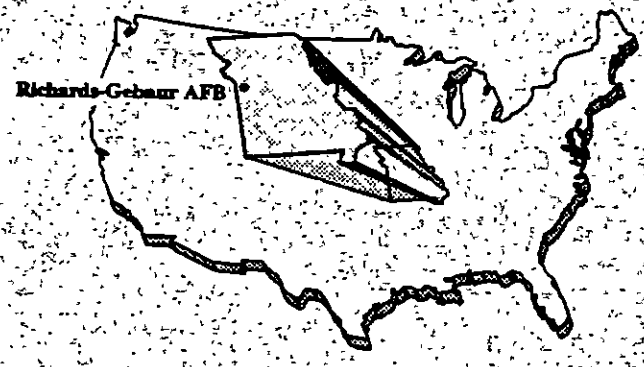


# APPENDIX E

# APPENDIX E

# HISTORY OF FACILITY USAGE

# HISTORY OF FACILITY USAGE

This appendix presents a summary of facilities where past activities may have required the storage of hazardous materials or the generation of hazardous waste, and which have undergone a change in use or have been demolished.

Facility 602, constructed in 1957, was originally Headquarters Major Command and later converted to a flight simulator and office space facility. Currently, it is used as offices for the Security Police. Hazardous materials usage would most likely be associated with the maintenance of the simulators but not with the former Headquarters usage.

Facility 603 was constructed in 1957 as the Medical Food Inspection facility and now is the Bioenvironmental Engineer's office. Small quantities of hazardous materials would have been associated with the introduction of the Bioenvironmental Engineering office. Activities associated with the original use are not known.

Facility 609 was constructed in 1962 to provide storage for paint and dope and now is listed as hazardous storage.

Facility 617 was constructed in 1960 and served as a commercial transportation facility. Currently the facility is used for disaster preparedness.

Facility 618 was used for cold storage from 1954 to the 1980s. In the 1980s, the 2,982-square-foot facility was demolished. Facility 618 was located near the southeast corner of Facility 610, next to Facility 619.

Facility 619 was constructed in 1954 as Administrative Office space and has since changed use to the Exchange Branch.

Facility 620 was constructed in 1961 for Plant Reproduction and is currently used for document storage.

Facility 828 was constructed in 1955 as a warehouse and equipment shop. The facility is currently used as a weapons release shop and operations require the use of hazardous materials.

Facility 902, a JP-4 hydrant fuel pump house, was constructed in 1954 and demolished in 1988. Four 25,000-gallon USTs were removed from this site in 1988, and environmental contamination was found. Facility 902 was located along the flightline between Facilities 918 and 901.

Facility 904 was constructed in 1957 and was used for paint and dope storage and is now used for hazardous material storage.

Facility 930 was constructed in 1961 and was used as a Wing Headquarters and Communications and Electronics Shop. Currently, the facility is used for the Electronic Countermeasures pod shop and stores, and hazardous materials are used in its operations.

Facility 936 was constructed in 1976 for base engineering storage. It was later converted to a hazardous materials storage facility.

Facility 937 was constructed in 1954 and was used for paint and dope storage and is now used as hazardous material storage.

Facility 944 was a jet engine test cell and was constructed in 1956. The facility underwent a number of modifications prior to being demolished in the 1980s An OWS, an AST, and an individual oil-fired heating plant were present at this site.

Facility 945, a concrete area on the apron, was utilized as a corrosion control facility for aircraft from 1959 until approximately 1980.

Facility 946 was constructed in 1960 and was used for paint and dope storage and is now used as hazardous material storage.

Facility 948 is a hangar constructed in 1963 and used as a maintenance dock. The facility has since been converted to a fuel systems dock

Facility 1201 was constructed in 1961 and originally designated as Security Central Control; it is now used as a Weapons Management Facility.

Facilities 1600, 1601, 1602, and 1604 are located at the Belton Training Complex. This area is leased to the U.S. Army Reserve.

Facilities 1600 and 1601 were constructed in 1956 and used as Igloo Storage facilities until the 1970s. Currently the facilities are designated as Reserve Forces Operational Training.

Facility 1602 was constructed in 1960 and was an ammunition and ordnance disposal bunker. Its current designation is Reserve Forces Operational Training.

Facility 1604 was constructed in 1966 for Segregated Storage Magazine, and was used until the 1970s. Reserve Forces Operational Training is its current designation.

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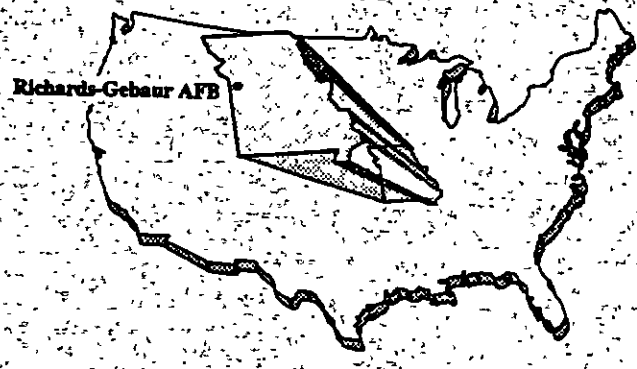


# APPENDIX F

# APPENDIX F

# HAZARDOUS WASTES GENERATED

Table F-1. Hazardous Wastes Generated
Page 1 of 4

| Facility | Types of Waste Generated | Documented Years of Generation[a] | Amount Generated |
|---|---|---|---|
| 601 | Developer and replenisher | 1988-1989 | 8 gallons/year |
| | Fixer and replenisher | | |
| 610 | Oil | | |
| | Mask filters | 1993 | 395 gallons/year |
| | Waste flammable liquid | 1993 | 30 pounds/year |
| | Toner | 1993 | 34 pounds/year |
| 619/710 | Ammonia | 1985 | 0.5 gallon/year |
| | Paint | 1991 | 45 gallons/year |
| | Paint material | 1990-1991 | 626 gallons/year |
| | Paint thinner | 1991-1992 | 61 gallons/year |
| 704 | Hydraulic fluid | 1987 | 55 gallons/year |
| | Hydraulic fluid | 1989-1990 | 28 gallons/year |
| | Transmission fluid | 1987-1988 | 45 gallons/year |
| | Transmission fluid | 1989-1900 | 43 gallons/year |
| | Used/waste engine oil | 1992-1993 | 100 gallons/year |
| | Antifreeze | 1987-1988 | 341 gallons/year |
| | Antifreeze | 1989-1990 | 43 gallons/year |
| | Gear lube | 1987-1988 | 53 gallons/year |
| | Waste oil | 1991-1993 | 375 gallons/year |
| | Paint stripper | 1987-1988 | 1.5 gallons/year |
| | Hydraulic fluid | 1987-1988 | 55 gallons/year |
| | Engine oil | 1987-1988 | 283 gallons/year |
| | Engine oil | 1989-1991 | 216 gallons/year |
| | Paint waste | 1986-1987 | 2 gallons/year |
| | Lube oil | 1987 | 315 gallons/year |
| | Lube oil | 1988 | 30 gallons/year |
| | Lube oil | 1989-1990 | 26 gallons/year |
| | Lube oil | 1991 | 50 gallons/year |
| | Paint thinner | 1989 | 60 gallons/year |
| | Paint thinner | 1991 | 50 gallons/year |
| | Fuel filters | 1989-1990 | 280 gallons/year |
| | Oil filters | 1989-1990 | 140 gallons/year |
| | Motor oil | 1990 | 50 gallons/year |
| | Aliphatic hydrocarbons | 1990-1991 | 35 gallons/year |
| | Lubricants | 1991 | 250 gallons/year |
| 711 | Paint-related material | 1991 | 54 gallons/year |
| | Used JP-4 fuel filters | 1992 | 190 gallons/year |

Notes: Hazardous waste is known to have been generated in other facilities also, however, there is no documentation available regarding specific wastes or quantities. These facilities include Facilities 605, 701, and 953.
(a) Information on years of hazardous waste generation was not available prior to 1985

Table F-1. Hazardous Wastes Generated
Page 2 of 4

| Facility | Types of Waste Generated | Documented Years of Generation[a] | Amount Generated |
|---|---|---|---|
| 711 (Continued) | Waste oil lubricant | 1992 | 48 gallons/year |
| | Lubricants | 1991 | 50 gallons/year |
| 828 | Petroleum PD-680 | 1985 | 15.5 gallons/year |
| | Denatured alcohol w/brake fluid | 1988 | 5 gallons/year |
| | JP-4 contaminated sand bags | 1989 | 800 gallons/year |
| | JP-4 contaminated absorbant material | 1989 | 70 gallons/year |
| | Absorbant Pads | 1990 | 55 gallons/year |
| | Hydraulic lift fluid | 1990 | 550 gallons/year |
| | JP-4 contaminated soil | 1990 | 879 gallons/year |
| | Flammable liquids | 1991 | 100 gallons/year |
| 839 | Synthetic oil | 1991 | 62 gallons/year |
| | Synthetic oil | 1992-1993 | 13.5 gallons/year |
| | A/C synthetic oil | 1987-1988 | 16 gallons/year |
| | Waste synthetic oil | 1992 | 44 gallons/year |
| | Penetrant | 1985 | 99 gallons/year |
| | Emulsifier | 1985 | 86 gallons/year |
| | HW Liquid NOSORM-E | 1990-1991 | 12 gallons/year |
| | Penetrant | 1987 | 50 gallons/year |
| | Penetrant | 1988 | 194 gallons/year |
| | Emulsifier | 1987 | 74 gallons/year |
| | Emulsifier | 1988 | 131 gallons/year |
| | Developer | 1988-1989 | 10 gallons/year |
| | Developer | 1992 | 115 gallons/year |
| | Magnaglo bath | 1986 | 22.5 gallons/year |
| | Magnaglo bath | 1988 | 8 gallons/year |
| | Magnaglo bath | 1989 | 924 gallons/year |
| | Magnaglo bath | 1990-1991 | 60 gallons/year |
| | Solvent cleaner | 1990 | 5 gallons/year |
| | Emulsifier w/oil | 1988 | 47 gallons/year |
| | Oil w/trichloroethane | 1988-1989 | 14 gallons/year |
| | Oil w/trichloroethene | 1985-1986 | 23 gallons/year |
| | Waste trichloroethane oil | 1985-1986 | 17 gallons/year |
| 918 | Sulfuric acid | 1987-1988 | 20 gallons/year |
| | Sulfuric acid | 1989-1990 | 20 gallons/year |
| | Lead sulfuric acid | 1986-1987 | 25 gallons/year |
| | Nicad batteries | 1986-1988 | 40 gallons/year |
| | Nicad batteries | 1989-1990 | 82 gallons/year |
| | Hydraulic fluid | 1985-1991 | 150 gallons/year |

Table F-1 Hazardous Wastes Generated
Page 3 of 4

| Facility | Types of Waste Generated | Documented Years of Generation[a] | Amount Generated |
|---|---|---|---|
| 918 (Continued) | Hydraulic fluid | 1992-1993 | 42.5 gallons/year |
| | Thinner | 1985 | 50 gallons/year |
| | Waste hydraulic fluid | 1991-1992 | 48.5 gallons/year |
| | Synthetic engine oil | 1992 | 44 gallons/year |
| 927/928 | Trichloroethane | 1985-1988 | 4 gallons/year |
| | Carbon remover | 1985-1986 | 30 gallons/year |
| | Carbon remover | 1988-1989 | 6 gallons/year |
| | PD-680 | 1985-1986 | 50 gallons/year |
| | Turbine oil | 1986 | 45 gallons/year |
| | Engine oil | 1985-1991 | 235 gallons/year |
| | Jet engine oil | 1986 | 49 gallons/year |
| | Jet engine oil | 1989 | 46 gallons/year |
| | Hydraulic fluid | 1987-1988 | 47 gallons/year |
| | Waste engine oil | 1989 | 92 gallons/year |
| | Waste engine oil | 1991-1992 | 45 gallons/year |
| | Turco cleaner | 1989 | 5 gallons/year |
| | Used/waste turbine oil | 1992-1993 | 93 gallons/year |
| | Waste oil with solvent | 1991-1992 | 40 gallons/year |
| | JP-4/MOGAS/water | 1990 | 46 gallons/year |
| 948/972 | Waste latex paint | 1992 | 50 gallons/year |
| | Waste oil-base paint | 1992 | 50 gallons/year |
| | Waste paint-related material | 1992 | 50 gallons/year |
| | Waste sealing compound | 1992 | 6 pounds/year |
| 958/959 | Turbine oil | 1985-1988 | 16.5 gallons/year |
| | Turbine oil | 1989-1990 | 9.5 gallons/year |
| | Engine oil | 1985-1990 | 75 gallons/year |
| | Lube oil | 1985-1987 | 65 gallons/year |
| | Diethylene glycol | 1985 | 5 gallons/year |
| | Transmission fluid | 1986 | 5 gallons/year |
| | Transmission fluid | 1987-1988 | 31 gallons/year |
| | Hydraulic fluid | 1987-1991 | 194 gallons/year |
| | Monobutyl ether | 1987-1988 | 5 gallons/year |
| | Preservative oil | 1988 | 10 gallons/year |
| | JP-4/MOGAS/water | 1990 | 10 gallons/year |
| | Waste oil | 1991-1992 | 76 gallons/year |
| | Motor oil | 1991 | 103 gallons/year |
| | Waste engine oil | 1991-1992 | 49 gallons/year |
| | Used motor oil | 1992-1993 | 50.5 gallons/year |

MOGAS = Motor gasoline.

Table F-1. Hazardous Wastes Generated
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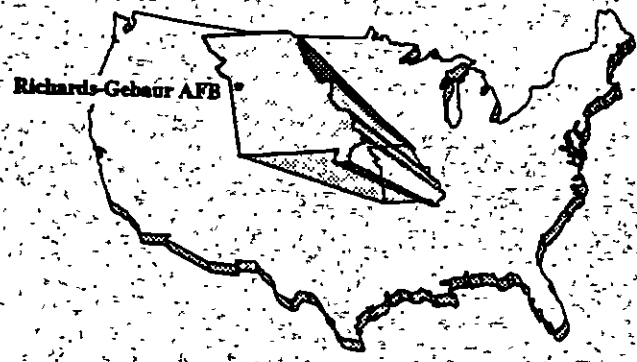
| Facility | Types of Waste Generated | Documented Years of Generation[a] | Amount Generated |
|---|---|---|---|
| 965 | Stripper | 1985 | 261 gallons/year |
| | Hydraulic fluid with methyl ethyl ketone | 1985 | 15 gallons/year |
| | Toluene and methyl ethyl ketone | 1985 | 54 gallons/year |
| | Thinner and methyl ethyl ketone | 1985 | 27 gallons/year |
| | Epoxy remover | 1985-1986 | 55 gallons/year |
| | Polyurethane paint | 1987 | 151 gallons/year |
| | Polyurethane thinner | 1986-1987 | 25 gallons/year |
| | Paint thinner | 1986-1991 | 139 gallons/year |
| | Waste paint | 1991-1992 | 75 gallons/year |
| | Waste thinner with methyl ethyl ketone | 1992 | 49 gallons/year |
| 966 | Petroleum PD-680-II | 1985-1986 | 48 gallons/year |
| | Paint stripper | 1987-1988 | 93 gallons/year |
| | Used paint stripper | 1987 | 110 gallons/year |
| | Paint stripper | 1990 | 50 gallons/year |
| 970 | Tar | 1990 | 40 gallons/year |
| | JP-4 contaminated water | 1990 | 45 gallons/year |
| 973 | Aliphatic hydrocarbons | 1991 | 15 gallons/year |
| 1033 | JP-4, engine oil, solvents | 1969-1982 | 25,000 gallons/year |
| | JP-4 | 1983-1988 | 5,520 gallons/year |
| 1202 | Denatured alcohol with brake fluid | 1990-1992 | 2 gallons/year |
| Fire Dept. | JP-4 Spill-X | 1993 | 278 pounds/year |

71 208




# APPENDIX G

# APPENDIX G

# GLOSSARY OF TERMS, ACRONYMS, AND ABBREVIATIONS

# GLOSSARY OF TERMS, ACRONYMS, AND ABBREVIATIONS

**Asbestos.** A carcinogenic substance formerly used widely as an insulation material by the construction industry; often found in older buildings.

**Friable.** Easily crumbled or ground into powder.

**Hazardous material.** Generally, a substance or mixture of substances that has the capability of either causing or significantly contributing to an increase in mortality or an increase in serious irreversible or incapacitating reversible illness; or posing a substantial present or potential risk to human health or the environment. Use of these materials is regulated by Department of Transportation (DOT), Occupational Safety and Health Administration (OSHA), and Superfund Amendments and Reauthorization Act (SARA).

**Hazardous waste.** A waste, or combination of wastes, which, because of its quantity, concentration, or physical, chemical, or infectious characteristics, may either cause, or significantly contribute to, an increase in mortality or an increase in serious irreversible illness; or pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise managed. Regulated under the Resource Conservation and Recovery Act (RCRA).

**Herbicide.** A pesticide (q.v.), either organic or inorganic, used to destroy unwanted vegetation, especially various types of weeds, grasses, and woody plants.

**Installation Restoration Program (IRP).** An Air Force program to identify, characterize, and remediate environmental contamination on its installations.

**Lead (Pb).** A heavy metal, used in many industries, which can accumulate in the body and cause a variety of negative effects.

**Mitigation.** A method or action to reduce or eliminate program impacts.

**National Environmental Policy Act (NEPA).** Public Law 91-190, passed by Congress in 1969. The Act established a national policy designed to encourage consideration of the influences of human activities (e.g., population growth, high-density urbanization, industrial development) on the natural environment. NEPA also established the Council on Environmental Quality. NEPA procedures require that environmental information be made available to the public before decisions are made. Information contained in NEPA documents must focus on the relevant issues in order to facilitate the decision-making process.

**Pesticides.** Any substance, organic or inorganic, used to destroy or inhibit the action of plant or animal pests; the term thus includes insecticides, herbicides, fungicides, rodenticides, miticides, fumigants, and repellents. All pesticides are toxic to humans to a greater or lesser degree. Pesticides vary in biodegradability.

**Polychlorinated biphenyls (PCBs).** Any of a family of industrial compounds produced by chlorination of biphenyl. These compounds are noted chiefly as an environmental pollutant that accumulates in organisms and concentrates in the food chain with resultant pathogenic and teratogenic effects. They also decompose very slowly. Equipment containing 50 parts per million or more of PCB is regulated by the U.S. EPA.

**Solvent.** A substance that dissolves or can dissolve another substance.

**U.S. Environmental Protection Agency (U.S. EPA).** The independent federal agency, established in 1970, that regulates environmental matters and oversees the implementation of environmental laws.

## ACRDNYMS AND ABBREVIATIONS

| | |
|---|---|
| ACM | asbestos-containing material |
| AFB | Air Force Base |
| AST | aboveground storage tank |
| BCP | BRAC Cleanup Plan |
| BRAC | Base Realignment and Closure |
| CERCLA | Comprehensive Environmental Response, Compensation and Liability Act |
| CERCLIS | Comprehensive Environmental Response, Compensation and Liability Information System |
| CERFA | Community Environmental Response Facilitation Act |
| CES | Civil Engineering Squadron |
| CFR | Code of Federal Regulations |
| CSR | Code of State Regulations |
| DOD | Department of Defense |
| DRMO | Defense Reutilization and Marketing Office |
| EBS | Environmental Baseline Survey |
| ECAMP | Environmental Compliance Assessment and Management Program |
| ECL | Environmental Contamination List |
| EIS | Environmental Impact Statement |
| EPA | see U.S. EPA |
| F | Fahrenheit |
| FUDS | Formerly Used Defense Sites |
| GSA | General Services Administration |
| IAP | initial accumulation point |
| IRP | Installation Restoration Program |
| JP-4 | jet propulsion fuel, grade 4 |
| kg | kilogram |
| kV | kilovolt |
| kVA | kilovolt-ampere |
| MAP | Management Action Plan |
| MDNR | Missouri Department of Natural Resources |
| MOGAS | motor gasoline |
| NDI | Non-Destructive Inspection |
| NEPA | National Environmental Policy Act of 1969 |
| NPL | National Priorities List |
| OU | operable unit |
| OWS | oil/water separator |
| PA/SI | Preliminary Assessment/Site Inspection |
| PCBs | polychlorinated biphenyls |
| pCi/l | picocuries per liter |
| POL | petroleum, oils, and lubricants |
| ppm | parts per million |

| | |
|---|---|
| RCRA | Resource Conservation and Recovery Act |
| RFA | RCRA Facility Assessment |
| RI | Remedial Investigation |
| RI/FS | Remedial Investigation/Feasibility Study |
| SI | Site Inspection |
| TSD | treatment, storage, and disposal |
| U.S.C. | U.S. Code |
| U.S. EPA | U.S. Environmental Protection Agency |
| UST | underground storage tank |
| VRS | visual reconnaissance survey |
| VSI | visual site inspection |

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## ADMINISTRATIVE RECORD

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## ADMINISTRATIVE RECORD

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