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U.S. Army Environmental Center

FINAL REPORT

VOLUME I OF II

SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY

BUILDING NO. 500

U.S. ARMY GARRISON, FITZSIMONS AURORA, COLORADO

Contract No. DACA31-94-D-0068, D.O. 0006

Prepared for

The U.S. Army Environmental Center

Aberdeen Proving Ground, Maryland

Prepared by

Parsons Engineering Science, Inc.

Denver, Colorado

September 1996

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EXECUTIVE SUMMARY

This Site-Specific Environmental Baseline Survey (SSEBS) documents a preliminary assessment of the environmental condition of the property occupied by the Main Hospital Building, Building No. 500 at United States Army Garrison, Fitzsimons (Fitzsimons) in Aurora, Colorado. Fitzsimons was formerly known as Fitzsimons Army Medical Center (FAMC), which was selected for closure by the Secretary of Defense in 1995 under Base Realignment and Closure (BRAC).

The University of Colorado Health Science Center (UCHSC), in coordination with the Fitzsimons Redevelopment Authority (FRA), is pursuing the lease of Building No. 500 for use as administrative offices and a medical clinic. The U.S. Army has an obligation by law to identify and remediate environmental problems before lease or transfer to the public. Consequently, the interest to lease the building by UCHSC has provided the impetus for the Army to undertake this SSEBS.

The SSEBS is the second step in the process to identify the condition of the property, the need for environmental restoration, and suitability for lease or transfer. The first step in this process was the development of a site-wide Environmental Baseline Survey (EBS) for Fitzsimons. The Final EBS for Fitzsimons was issued on 31 May 1996, and identified Building No. 500 as an area for further investigation.

This SSEBS identifies the condition of the rooms and areas within the building, the need for environmental restoration, and the suitability of rooms and areas for lease or transfer. The scope of the work was limited to areas within Building No. 500 which are believed to be in reasonably good environmental condition for reuse for administrative purposes and a medical clinic. Areas which were thought to have possible environmental issues were excluded from this SSEBS, and have been set aside for further investigation and remediation as necessary. The SSEBS and lease are organized so that a part of Building No. 500 can be used by UCHSC, while other areas within the building can be closed off, and investigated and remediated at a later time.

The SSEBS provides the basis for grouping similar rooms or areas of Building No. 500 and classifying these rooms according to their environmental condition to support parceling of the building for lease, sale, transfer, or other future beneficial use.

The survey methods used to prepare the SSEBS included:

- Reviewing Fitzsimons-prepared environmental documents, and federal, state, county, city, and Fitzsimons-specific government records;
- Conducting interviews with current and past employees of Fitzsimons; and
- Visually inspecting Building No. 500.

The current and former characteristics of Building No. 500, including general information, floor descriptions, history, and the status of permits and licenses, are presented.

Information gathered from various sources and a characterization of the building were undertaken to identify the environmental condition of Building No. 500. In support of the Community Environmental Response Facilitation Act (CERFA), each room was assigned one of the following seven categories as defined in the *Base Realignment and Closure (BRAC) Cleanup Plan Guidebook* (Department of Defense [DoD], 1993):

- Category 1 - Areas where no storage, release, or disposal of hazardous substances or waste (including migration) has occurred.
- Category 2 - Areas where only storage has occurred.
- Category 3 - Areas of contamination below action levels.
- Category 4 - Areas where all remedial action has been taken.
- Category 5 - Areas of known contamination with removal and/or remedial action underway.
- Category 6 - Areas of known contamination where required response actions have not yet been implemented.
- Category 7 - Areas that are unevaluated or that require further evaluation.

While each room of Building No. 500 was classified into one of these seven categories, piping, and heating, ventilation, and air conditioning (HVAC) systems were not categorized.

According to the *BRAC Cleanup Plan Guidebook* (DoD, 1993), areas identified as Categories 1 through 4 (excluding those areas that used or stored radioactive materials or waste) are eligible for lease and deed transfer. Areas in Categories 5 through 7 cannot be considered for lease and transfer until all necessary actions have been taken and the property has been reclassified into one of the first four categories.

A summary of the results of the environmental categorization of Building No. 500 into Categories 1 through 7 is as follows. For comparison, Building No. 500 has a gross area of 546,000 square feet on 11 floors, including the basement and terraces. The building contains 450,000 square feet of floor space within the exterior walls.

Rooms identified as Category 1 occupy approximately 258,000 square feet and are located throughout the building. These rooms have never stored hazardous substances or petroleum products, and no hazardous substances or petroleum products have been released or disposed of in them. Category 1 rooms include patient rooms, latrines, offices, laundry chutes, and serving kitchens.

Several rooms occupying approximately 80,938 square feet were identified as Category 2. In these rooms, hazardous substances, petroleum products, or hazardous or petroleum wastes were used or stored. However, no such substances or wastes have been released or disposed of in significant quantities at these locations. However, the investigation did reveal that minor drips or spills of hazardous substances occurred occasionally at these locations, which were immediately cleaned up before the spill could migrate. Category 2 rooms include examination and treatment rooms, clinics, operating rooms, pharmacies, medication rooms, sterilization rooms, supply rooms, janitor closets, utility rooms, and mechanical rooms.

None of the rooms of Building No. 500 was identified as Categories 3 through 6.

Approximately 77,682 square feet of Building No. 500 were identified as Category 7. Potential contamination may exist at these sites caused by spills, extensive historical use of chemicals, or use of radioactive materials. These rooms require further environmental investigation before their status for property lease or transfer can be defined. The hospital cafeteria and kitchen were not identified as a CERFA Category because this area is not being considered for lease.

A review of previous remediation efforts conducted at Building No. 500 is included. Past remediation efforts have focused on leaking piping systems and spills. Spill incident reports from the Fitzsimons Directorate of Public Works and regulatory agencies indicate that spills of hazardous substances and petroleum products have been responded to and remediated on a timely basis.

Issues which are not related to contaminants listed in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (asbestos, lead-based paint, radon, and Polychlorinated Biphenyls) were identified in the SSEBS to support the development of parcels required by CERFA. CERFA parcels which qualify for immediate lease or transfer include those parcels where:

- Investigation of the property reveals no evidence of storage for one year or more, release, or disposal of hazardous substances, petroleum, or petroleum derivatives and no evidence that the real property is threatened by such releases from adjacent property; or

- No evidence exists for the release or disposal of hazardous substances or petroleum products. The parcel, however, has historically been used to store less than reportable quantities of hazardous substances or 600 or fewer gallons of petroleum derivatives.

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LIST OF ACRONYMS

ACM	Asbestos-containing material
AEC	U.S. Army Environmental Center
APEN	Air Pollution Emission Notice
APG	Aberdeen Proving Ground
Army	U.S. Army
AST	Aboveground storage tank
BCP	Base Realignment and Closure Cleanup Plan
BEC	BRAC Environmental Coordinator
BRAC	Base Realignment and Closure
CCU	Cardiac Care Unit
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
CMS	Central Materials
Co	Cobalt
CRS	Cultural Resources Survey
Cs	Cesium
CWA	Clean Water Act
DADS	Denver Arapahoe Disposal Site and Recycling Center
DARA	Department of Army Radiation Authorization
DCI	Department of Clinical Investigation
DFAE	Directorate of Facilities Engineering
DoD	U.S. Department of Defense
DOL	Department of Logistics
DPW	Directorate of Public Works
EBS	Environmental Baseline Survey
EEG	Electroencephalogram
EKG	Electrocardiogram
EPA	U.S. Environmental Protection Agency
ES&S	Environmental Science and Engineering, Inc.
FAMC	Fitzsimons Army Medical Center
Fitzsimons	U.S. Army Garrison, Fitzsimons
FRA	Fitzsimons Redevelopment Authority
HEPA	High-efficiency particulate air (filter)
HVAC	Heating, ventilation and air conditioning
ICU	Intensive Care Unit
Ir	Iridium
IRP	Installation Restoration Program
lb	Pounds
LEPC	Local Emergency Planning Committee
mg/L	milligram per liter
MICU	Medical Intensive Care Unit
NPDES	National Pollution Discharge Elimination System

NRC	Nuclear Regulatory Commission
Parsons ES	Parsons Engineering Science, Inc.
PCB	Polychlorinated biphenyl
pCi/L	Picocurie/liter
Ra	Radium
RCRA	Resource Conservation and Recovery Act
RPO	Radiation Protection Office
SICU	Surgical Intensive Care Unit
Sr	Strontium
SSEBS	Site-Specific Environmental Baseline Survey
TB	Tuberculosis
TSD	Treatment, storage, or disposal (facility)
UNK	Unknown
U.S.	United States
USACE	United States Army Corps of Engineers
USACHPPM	United States Army Center for Health Promotion and Preventive Medicine (formerly USAEHA)
USAEHA	United States Army Environmental Hygiene Agency
USCHSC	University of Colorado Health Science Center
UST	Underground storage tank
WWTP	Wastewater treatment plant

SECTION 1

INTRODUCTION

This Site-Specific Environmental Baseline Survey (SSEBS) documents a preliminary assessment of the environmental condition of the property occupied by the Main Hospital Building, Building No. 500, at United States Army Garrison, Fitzsimons (Fitzsimons), located in Aurora, Colorado. Fitzsimons was formerly known as the Fitzsimons Army Medical Center (FAMC). On 28 February 1995, the Secretary of Defense submitted a recommendation that FAMC (including Building No. 500) be selected for closure under the Base Realignment and Closure (BRAC) Act. FAMC was inactivated and the Main Hospital formally closed on 28 June 1996. The U.S. Army Garrison, Fitzsimons was activated on that date.

The interest of the University of Colorado Health Science Center (UCHSC), working with the Fitzsimons Redevelopment Authority (FRA), to lease Building No. 500 with lease restrictions for administrative purposes has provided the impetus for preparation of this SSEBS. The U.S. Army has an obligation by law to identify and remediate environmental problems before lease or transfer to the public. To make Building No. 500 attractive and suitable for lease or transfer of ownership, the existence and extent of present and former environmental contamination and environmental and health hazards must be identified, and cleanup of these hazards undertaken where appropriate.

The SSEBS is the second step in the process to identify the condition of the property, the need for environmental restoration, and suitability for lease. The first step was development of a site-wide Environmental Baseline Survey (EBS). The Final EBS for Fitzsimons was issued on 31 May 1996, and identified Building No. 500 as an area requiring further investigation.

This SSEBS identifies the condition of rooms and areas within the building, the need for environmental restoration, and the suitability of rooms and areas for lease or transfer. The scope of the work was limited to areas within Building No. 500 which are believed to be in reasonably good environmental condition for reuse for administrative purposes and a medical clinic. Areas which were thought to have possible environmental contamination requiring remediation prior to reuse were excluded from detailed study in this SSEBS. These areas have been set aside for further investigation and remediation as necessary. The SSEBS is organized so that a part of Building No. 500 can be used by UCHSC, while other areas within the building can be closed off, investigated, and remediated at a later time. The restricted areas of Building No. 500 will not be accessible by the tenant. Locks, chains, signs, and barriers will be used to preclude access. Investigations in these areas, if required, will be evaluated and implemented so that a risk is not presented to lease occupants. Special access needs will be incorporated as lease restrictions.

The SSEBS provides the basis for grouping similar rooms or areas of Building No. 500 and classifying these rooms according to their environmental condition to support parceling of the building for lease, sale, transfer, or other future beneficial use. The scope of the SSEBS is limited to the inside of the outer walls of Building No. 500 as currently constructed. This SSEBS does not include any surrounding grounds, groundwater or out buildings.

Fitzsimons is located as shown on the Vicinity Map, Figure 1.1. Since its construction in 1941, the main hospital has provided health services to authorized personnel assigned or attached to Department of Defense (DoD) activities in the Denver area and Rocky Mountain region. These activities have included inpatient and outpatient medical care and treatment to active military personnel and, within its capabilities, to dependents of active-military personnel, retired military personnel, and other personnel as authorized by the U.S. Army (Army). A site map of Fitzsimons, including the location of Building No. 500, is presented in Figure 1.2.

Public Laws 100-526 and 101-510 designated more than 100 Army facilities for closure and realignment. In pursuit of those activities, it is necessary to investigate and clean up environmental contamination prior to lease, transfer or reuse of Army BRAC property (BRAC Closure Laws). The BRAC environmental restoration program was established in 1989 after the first round of base closures (BRAC I) was announced. Since 1989, subsequent rounds of BRAC have been identified through public law every two years (BRAC 91, BRAC 93, and BRAC 95). The BRAC environmental restoration program is patterned after the Army's Installation Restoration Program (IRP), except that it has been expanded to include categories of contamination such as asbestos, radon, polychlorinated biphenyls (PCBs), radiological hazards, unexploded ordnance, and other environmental concerns which are not normally addressed under the Army IRP. Both the BRAC and IRP programs are patterned after the Environmental Protection Agency's (EPA's) Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process. If a building such as Building No. 500 is determined in the site-wide EBS to require further study, an SSEBS can be conducted to investigate the building in more detail and determine its suitability for lease.

During closure of Fitzsimons, Building No. 500 will be leased or transferred from the Army to public or private entities. The FRA has been established to provide master planning, coordinate and organize efforts by parties interested in leasing or purchasing buildings or property at Fitzsimons.

This document was prepared by Parsons Engineering Science, Inc. (Parsons ES) under Contract No. DACA31-94-D-0068, Delivery Order No. 0006, between the U.S. Army Environmental Center (USAEC) and Parsons ES.

1.1 AUTHORITY FOR THE SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY

In October 1992, Public Law 102-426, Section 120(h) of CERCLA was amended by the Community Environmental Response Facilitation Act (CERFA). This law established new procedures with respect to contamination assessment, cleanup, and regulatory agency notification and concurrence for federal facility closures. The primary objective of CERFA is

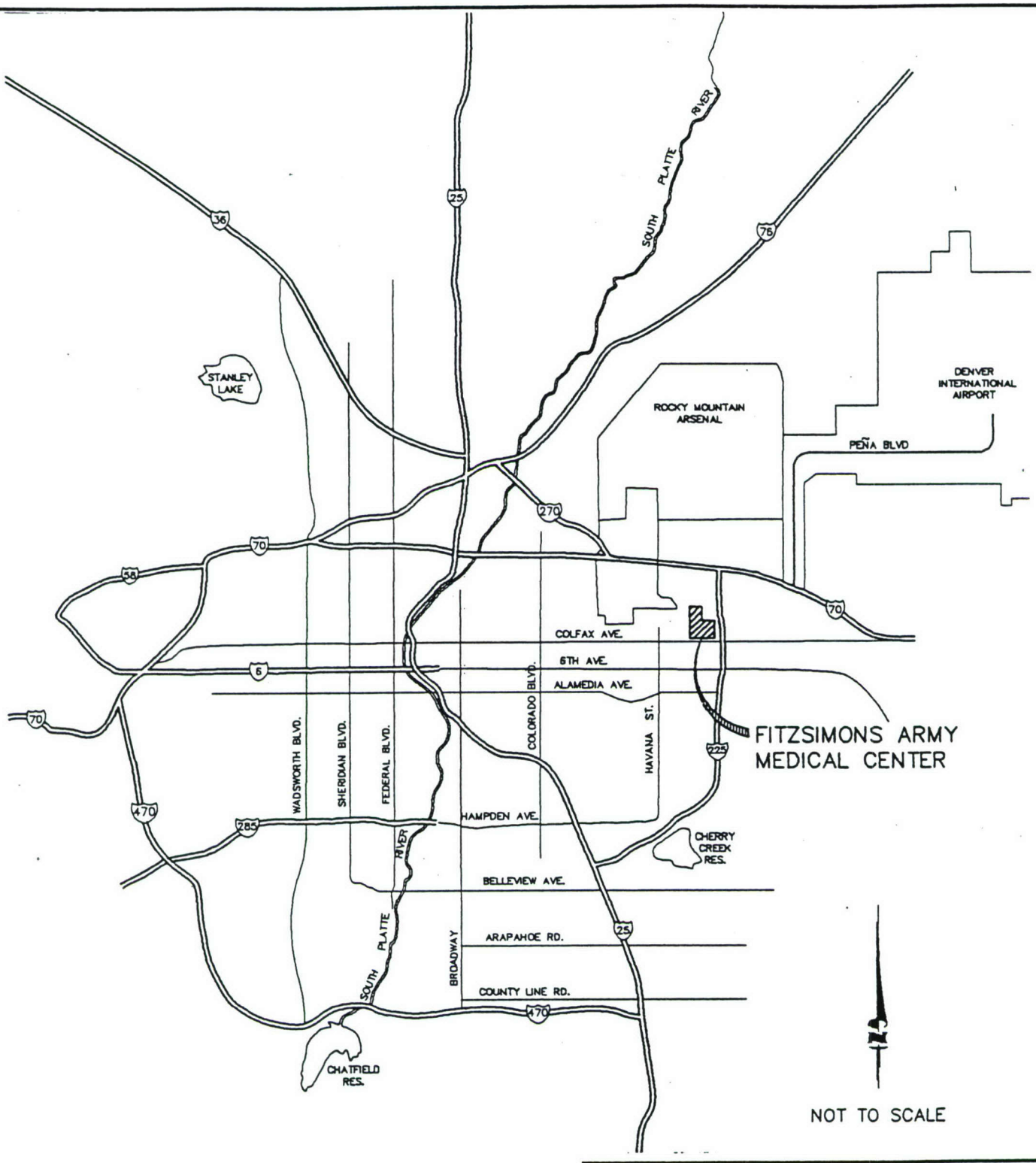


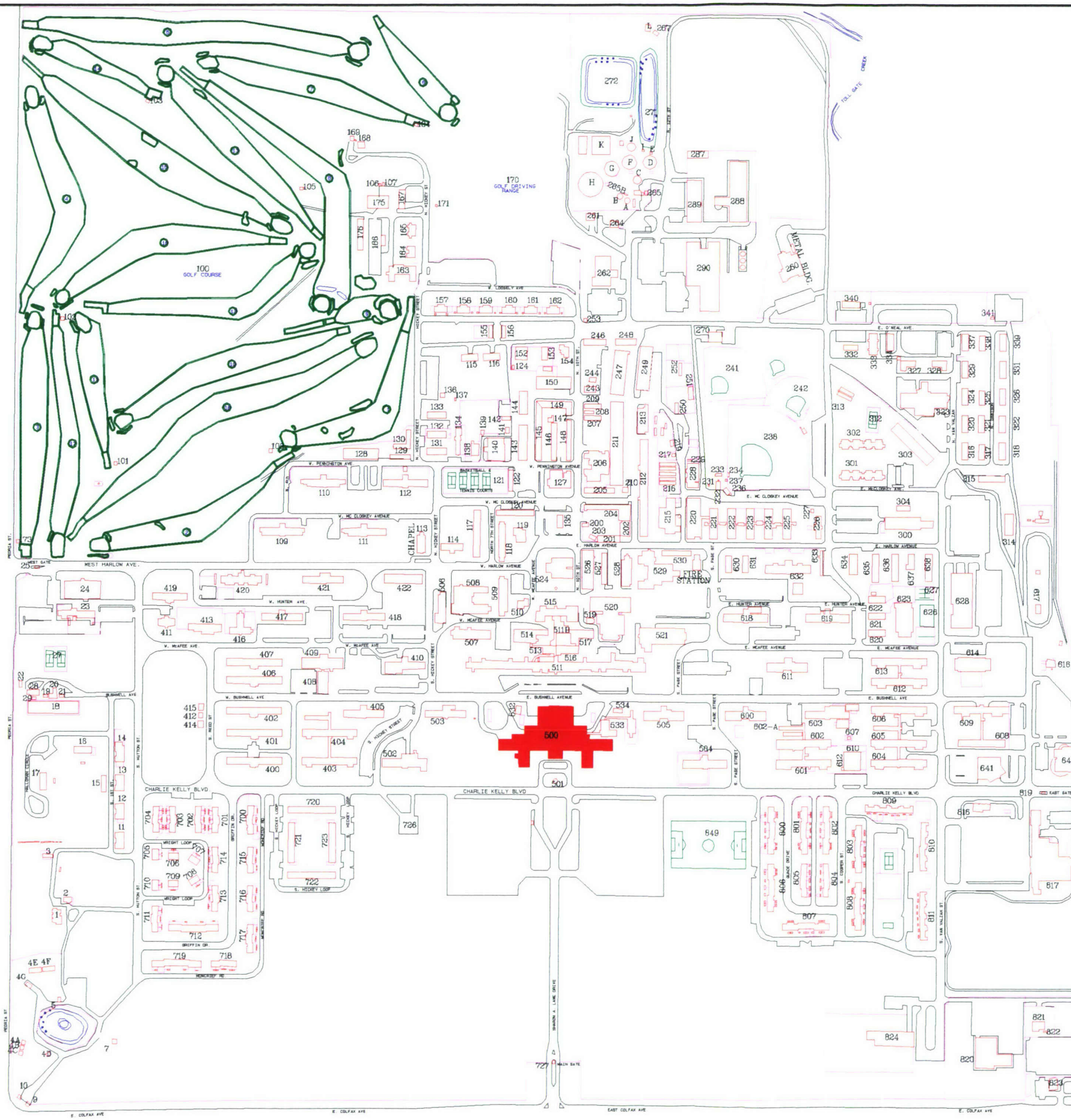
FIGURE 1.1

VICINITY MAP OF FAMC

Site Specific Environmental Baseline Survey
Building No. 500
Fitzsimons Army Medical Center
Aurora, Colorado

PARSONS ENGINEERING SCIENCE, INC.

Denver, Colorado


100
GOLF COURSE
170
GOLF DRIVING RANGE
500
METAL BLDG.
FIRE STATION
CHAPEL
TENNIS COURTS
WEST GATE
EAST GATE
MAIN GATE
WEST MARLOW AVE.
E. COLFAX AVE
EAST COLFAX AVE
CHARLIE KELLY BLVD.
W. HUNTER AVE
W. McAFEE AVE
E. McAFEE AVENUE
W. BUSHNELL AVE
E. BUSHNELL AVENUE
W. McCLOSKEY AVE
E. McCLOSKEY AVENUE
W. PENNSYLVANIA AVE
E. HARLOW AVENUE
E. HUNTER AVENUE
E. O'NEAL AVE
S. HICKEY STREET
S. PARK STREET
S. HUTTON ST
S. REED ST
S. BEL AIR
S. ELM ST
S. BIRCH ST
S. ASH ST
N. 7TH STREET
N. HICKEY LOOP
S. HICKEY LOOP
WRIGHT LOOP
GRIFFIN CIR.
MERCURY RD
BRADLEY DR.
BRADLEY LOOP
BRADLEY CIR.
BRADLEY CT.
BRADLEY PL.
BRADLEY WAY
BRADLEY TER.
BRADLEY PKWY
BRADLEY BLVD
BRADLEY AVE
BRADLEY ST
BRADLEY RD
BRADLEY LN
BRADLEY CRES
BRADLEY HWY
BRADLEY FWY
BRADLEY TPKE
BRADLEY EXPY
BRADLEY SQ
BRADLEY PLZ
BRADLEY CTR
BRADLEY MALL
BRADLEY PARK
BRADLEY GARDEN
BRADLEY ORCHARD
BRADLEY VINEYARD
BRADLEY WINERY
BRADLEY BREWERY
BRADLEY DISTILLERY
BRADLEY CIDERY
BRADLEY MEADERY
BRADLEY SAKERY
BRADLEY KOMBUCHERY
BRADLEY KEFIRERY
BRADLEY YOGURTERY
BRADLEY CHEESERY
BRADLEY BUTTERY
BRADLEY CREAMERY
BRADLEY ICE CREAMERY
BRADLEY GELATERIA
BRADLEY SORBETERIA
BRADLEY FROZEN YOGURTERY
BRADLEY SHERBETERIA
BRADLEY FROZEN CUSTARDERY
BRADLEY FROZEN KEFIRERY
BRADLEY FROZEN BUTTERY
BRADLEY FROZEN CREAMERY
BRADLEY FROZEN ICE CREAMERY
BRADLEY FROZEN GELATERIA
BRADLEY FROZEN SORBETERIA
BRADLEY FROZEN

for federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. Although CERFA does not mandate that the Army transfer real property so identified, the first step in satisfying the CERFA objectives is identifying real property where no CERCLA-regulated hazardous substances or petroleum products were stored, released, or disposed of.

This SSEBS was conducted in accordance with the DoD Fast Track Cleanup at Closing Installations (memorandum dated 9 September 1993), DoD Finding of Suitability to Transfer (memorandum dated 1 June 1994), and BRAC 95 Environmental Baseline Survey/Base Realignment and Closure Cleanup Plan (EBS/BCP) Guidance (U.S. Army Environmental Center [AEC], 1995).

1.2 OBJECTIVE

The primary objective of this SSEBS is to characterize the environmental condition of Building No. 500 at Fitzsimons with regard to the existence of present or former environmental contamination from spills or leaks of petroleum or hazardous substances, present or former hazardous materials of construction, and the existence of present or former hazardous substance storage sites. Specifically, the SSEBS identifies those rooms of Building No. 500 where hazardous substances, as defined under CERCLA, and petroleum products have been stored for longer than one year, disposed of, or released to the environment. The SSEBS also identifies rooms of Building No. 500 that are of environmental or safety concern with respect to non-CERCLA contaminants (asbestos, lead-based paint, radon, and radioactive materials). Radioactive materials at Fitzsimons are regulated by the Nuclear Regulatory Commission (NRC) and are therefore not addressed as CERCLA issues in the SSEBS. Identification and cleanup of residual radioactive materials at Fitzsimons will be addressed through the NRC's decommissioning process. Any release of radioactive material outside of the scope of the NRC license will be considered a CERCLA issue. In addition, this SSEBS includes the CERFA letter report which groups similarly categorized rooms into parcels which are either suitable for lease or transfer to public or private entities or require further review or action prior to transfer.

1.3 ORGANIZATION OF THE SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY

This SSEBS contains five sections and six appendices, as follows:

- Section 1 presents an overview of the SSEBS process and identifies the regulatory drivers for preparation of the SSEBS.
- Section 2 presents the methods used to conduct the survey.
- Section 3 presents an overall characterization of Building No. 500 at Fitzsimons including a discussion of the current and past uses of the building, and status of regulatory permits and licenses.
- Section 4 presents findings of the SSEBS research organized by source.

- Section 5 presents a discussion of the environmental condition and categorization of the property in Building No. 500 by room number.
- Appendix A contains the CERFA letter report, which provides information on the categorization of parcels and the documentation required for lease and transfer of property.
- Appendix B contains reference documents used in the SSEBS including guidance documents from regulatory agencies, and environmental and historical reports from Fitzsimons.
- Appendix C contains hazardous substance inventory, cleanup site descriptions, and non-CERCLA-related issues worksheets.
- Appendix D contains summaries of the interviews of persons associated with Building No. 500 at Fitzsimons.
- Appendix E contains the visual inspection summaries of Building No. 500 at Fitzsimons.

SECTION 2

SURVEY METHOD

CERFA requires a number of information sources be reviewed concerning current and previous uses of real property to be leased or transferred from the U.S. government. The survey methods used to prepare the SSEBS for Building No. 500 at Fitzsimons were in accordance with CERFA and included:

- Reviewing available Building No. 500 environmental documents and available federal, state, county, city, and Building No. 500-specific government records;
- Conducting interviews with current and past employees of Fitzsimons, particularly those familiar with Building No. 500, and
- Visually inspecting Building No. 500.

Each of these topics is further discussed below. A summary of the information found while conducting the above-listed activities is presented in Section 4.

Although a requirement of CERFA, sampling was not scoped for this SSEBS because it is not required for the identification of categories and parcelization of the property. The scope is also limited to the inside of the outer walls of Building No. 500 as currently constructed. This SSEBS does not include any surrounding grounds, groundwater or out buildings. Every room in Building No. 500 was categorized in accordance with CERFA.

2.1 FITZSIMONS ENVIRONMENTAL DOCUMENTS

Over the course of its history, Fitzsimons has prepared or contracted the development of numerous environmental surveys, investigations, and reports on individual buildings and the installation as a whole. A record search for those documents relevant to Building No. 500 was conducted in the environmental files at Fitzsimons. Several environmental documents were identified as applicable to the development of the site-specific environmental baseline for Building No. 500. These documents were reviewed with respect to locations of storage, release, or disposal of hazardous substances or petroleum products, ongoing response actions, and identification of hazardous or petroleum waste sources. The documents are:

- *Environmental Baseline Survey, Fitzsimons Army Medical Center* (Parsons ES, 1996);
- *Installation Environmental Baseline Conditions and Compliance Study* (TechLaw, 1994);

- *U.S. Army Environmental Hygiene Agency, Environmental Compliance Assessment System External Assessment No. 43-21-N18F-93, Draft Findings Report*; (U.S. Army Environmental Hygiene Agency [USAEHA], 1993);

- *Analytical/Environmental Assessment Report for Future Development Plans* (FAMC, 1985a);

- *Capability Analytical/Environmental Assessment Report* (FAMC, 1985b);

- *Installation Assessment of Fitzsimons Army Medical Center* (Environmental Science and Engineering, Inc. [ES&E], 1984);

- *Analysis of Existing Facilities/Environmental Assessment Report* (Higginbotham & Assoc., 1977);

- *Cultural Resources Study for Fitzsimons Army Medical Center* (Simmons, 1991) (CRS); and

- 1938 Construction Drawings and Specifications.

The two last references (CRS and 1938 Construction Drawings and Specifications) were used as the primary reference for historical information regarding past operations and the potential use of hazardous substances or petroleum products.

2.2 REGULATORY AND FITZSIMONS RECORDS

Records from regulatory agencies and Fitzsimons files were identified and reviewed from the following sources:

- Environmental Protection Agency (EPA);
- Colorado Department of Public Health and Environment (CDPHE);
- State of Colorado Oil Inspector's Office;
- Adams County;
- Arapahoe County;
- Tri-County Health Department;
- City of Aurora;
- City of Aurora Fire Department; and
- Fitzsimons.

The records were reviewed to assist in identification of rooms where storage, release, or disposal of hazardous substances or petroleum products has occurred. The records were also reviewed to identify ongoing response actions, and hazardous or petroleum waste sources.

2.3 INTERVIEWS AND VISUAL INSPECTIONS

Interviews and visual inspections were conducted to assist in determining the environmental condition of Building No. 500 and to determine if there are rooms which require further environmental evaluation not previously identified during the records review. The CRS and

Fitzsimons Real Property records provided the most useful information for focusing the interview and visual inspection phases of the SSEBS.

Rooms in Building No. 500 with previously identified environmental problems were not targeted for either an interview or a visual inspection unless it was determined that additional information was needed to better understand the types of waste management practices conducted. Rooms which were preliminarily identified as having a low potential for environmental problems were targeted for investigation.

Interviews were conducted both by telephone and in person. Telephone interviews were conducted for those rooms which were identified as always being administrative or if the use was well documented. To obtain historical information, in-person interviews were conducted with personnel who had worked at Building No. 500 for many years. More than 40 current and former employees were interviewed.

Each wing of Building No. 500 was visually inspected. Visual inspections focused on historical room use, room use labeling, indications of chemical or petroleum product staining, and regulated material identification.

SECTION 3

DESCRIPTION OF BUILDING NO. 500

3.1 GENERAL BUILDING INFORMATION

Building No. 500, the Main Hospital at Fitzsimons provided full medical services for active and retired military personnel until its closure on 28 June 1996. The building is centrally located on the southern portion of Fitzsimons and contains 546,000 square feet of floor space, including the terraces and 450,000 square feet of floor space within the exterior walls, on 11 floors including the basement. The ground surface area coverage of Building No. 500 is 72,000 square feet. The building was constructed in phases from 1938 to 1941 during the military expansion associated with World War II. At the time of construction, the hospital was regarded as the most up-to-date military medical facility in the country. The Main Hospital was a radical departure from earlier hospital buildings constructed at Fitzsimons due to its massive size and height, and the concept of concentrating services under a single roof rather than constructing decentralized buildings of low height. The hospital building served as an anchor for the entire post and was the symbol of its medical mission. The building is also considered to be individually eligible to the National Register of Historic Places under Criterion A for its historical associations with the development of military medicine, and under Criterion C for its architecture (CRS, 1991).

The CRS states that Building No. 500 is composed of concrete framework and facebrick of seven blended colors. The central tower is 10 stories tall, with wings ranging from five to eight stories. The roof is flat and the windows form horizontal and vertical bands. The backfill for the foundation of the building is composed of Texas sandstone. A metal railing is located along the roofline. The interior lobby is finished in marble. Massive white marble columns and marble flooring and stairways are located in the building. Balustrades, lanterns, mail boxes, and elevator entrances are constructed of aluminum. Sundecks are located on each end of the top three floors, and an observation deck is located on the eighth floor with a panoramic view of the Front Range. The glass in the five-section windows was specially designed to keep out drafts, rain, and snow. Aluminum and glass doors are present throughout the facility (CRS, 1991).

Water for Building No. 500 is provided by the city of Denver from the Fitzsimon's distribution system. Electrical power is supplied by Public Service Company of Colorado and distributed throughout the installation, with an onsite emergency generator plant located adjacent to Building No. 500 as a secondary source. Natural gas is purchased from Public Service of Colorado for domestic use, and from the

Defense Fuel Supply Agency for industrial use. The existing onsite boiler plant provides steam heat for Building No. 500.

Table 3.1 presents the planned design use and most recent use of each room of Building No. 500. Although a large portion of the hospital has been fully renovated, review of the 1938 construction drawings in comparison to current use indicates that each wing of the hospital has historically been used for the function for which it was originally designed.

3.2 BUILDING HISTORY

The Denver Civic and Commercial Association led a campaign to acquire a military facility in the Denver area after the beginning of World War I. Colonel George Bushnell inspected several locations in the Denver area to construct a recuperation camp for military personnel infected with tuberculosis (TB) and selected the grounds of Gutheil Nursery. Citizens of Denver and Aurora, the City of Denver, and the Town of Aurora contributed to the purchase of Fitzsimons. In this capacity the Civic and Commercial Association became the sole owner of the land, and leased the land to the government (Fitzsimons Facts, 1992). In October 1937, the process of transferring Fitzsimons from the Civil and Commercial Association to the United States was finalized (Simmons, 1991).

In April 1918, ground was broken for construction of 48 buildings of the original Army General Hospital No. 21 (Fitzsimons Facts, 1992). The first buildings were an administration building, officers' TB ward, officers' quarters, nurses' infirmary, operating pavilion, garages, officers' recreation building, an exchange, a central infirmary, 12 two-story TB wards, an isolation ward, 4 barracks, 3 storehouses, a chapel, a guardhouse, a laundry, a surgical ward, a shop, and 5 kitchens and messes (War Department, 1923). In October 1918, another 25 buildings were constructed (Fitzsimons Facts, 1992). These buildings were primarily open-air wards, officers' wards, nurses' quarters, a barracks, and a storehouse (War Department, 1923). Additional wards were built later that year as well as a school and two curative shops for physical reconstruction (Covington, No date). By the end of 1919, 86 tile and hollow-stucco buildings had been constructed (Covington, No date).

In 1933, the decision was made to deactivate Fitzsimons Hospital. However, these orders were later rescinded. In order to make Fitzsimons a viable, permanent institution, the most pressing problem was in securing adequate, up-to-date facilities for medical and surgical patients. Congressman Lewis pressed for construction of a modern, permanent hospital building. In January 1936, Veterans Administration Chief Frank Jines added his support for the idea, promising that his agency would guarantee to use a minimum of 250 beds in the new building. In July 1936, Congressman Lewis' request for funds for a new main building was approved. In October 1936, Surgeon General Reynolds ordered preparation of plans for a new main building. Reynolds made a visit to Fitzsimons to discuss the project, and Colonel Buck personally took charge of initial preparation of the hospital building plans. The planners determined that the new building would differ from Fitzsimons' original structures by following the

TABLE 3.1
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
BC01	Hallway	Transformer vault
BC02	Hallway	Emergency generator room
BC03	Chase	Emergency generator room
BC04	Hallway	Air conditioning
BC05	Mechanical room	Mechanical room
BC06	Hallway	Office
BC07	Mechanical room	Air conditioning
BC08	Computer equipment	Hallway
BC09	Hallway	Office
BC10	Reception area	Office
BE01	Crawl space	Pipe space
BC11	Supply room	Air conditioning
BC12	Supply room	Air conditioning
BC13	Contractor storage	Compressor room
BC14	Mechanical room	Compressor room
BC15	Mechanical room	Compressor room
BC16	Latrine	Oxygen tank room
BC17	Hallway	Compressor room
BC18	Storage	Oxygen tank room
BC19	Store room	Oxygen tank room
BC20	Oxygen storage	Oxygen tank room
BE02	Office space	Air conditioning
BC21	Storage	Mechanical equipment
BC22	Mechanical room	Mechanical equipment
BC23	General room	Incinerator
BC24	General room	Incinerator
BC25	General room	Incinerator
BC26	Mechanical room	did not exist
BC27	Machine room	did not exist
BE03	Office space	Air conditioning
BE04	Crawl space	Pipe space
BN01	Crawl space	Pipe space
BN02A	Office	Radiological therapy/heat controls
BN02B	Corridor	Corridor
BN03	Crawl space	Pipe space
BN04	Storage	Heat controls
BN05	Hallway	Heat controls
BN06	Mechanical room	Mechanical room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
BW01	Crawl space	Pipe space
BN12	Storage	Nitrous oxide tanks
BN13	Storage	Nitrous oxide tanks
BN14	Hallway	Transformer vault
BN15	Office	Transformer vault
BN16	Supply room	Storage
BN17	Storeroom	Pipe space
BN18	Excavated area	Pipe space
BW02	Carpenter's shop	Pipe space
BW03	Mechanical room	Pipe space/mechanical room
1	Post Office	Vault
2	Post office	Post office
3	Post exchange	Post exchange
4A	Office	Store room
4B	Office	Store room
4E	Post exchange	Post exchange
4N	Chiller plant	did not exist
5	Janitor closet	Janitor closet
6	Soiled linen	Soiled linen
7	Copy room	Waiting room
8	Office	Store room for post exchange
9	Reception area	Waiting room
10	Waiting area	Waiting room
11	Latrine	Toilet
12	Crutch storage	Linen
13	Patient room	Corridor/janitor closet
14	Dressing room	Physiotherapy
15	Dressing room	Physiotherapy
16	Exercise room	Exercise room
17	Office	Carbon arc lamp room
18	Office	Carbon arc lamp room
18A	Store room	Porch
19	Vestibule	Carbon arc lamp room
20	Exercise room	Rhythmic suction/colonic
21	Latrine	Workroom
22	Janitor closet	Physiotherapy office
23	Whirlpool bath	Arm and leg whirlpool
23A	Store room	Store room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
24	Pediatric room	Diathermy room
25	Conference room	Diathermy room
26	Latrine	Light treatment room
27	Computer room	Light treatment room
28	File room	Hubbard bath
29	Dark room	Hubbard bath
30	Conference room	Hydrotherapy
31	Cardiac room	Pack room/steam room
32	Dressing room	Dressing room
33	Clean supply	Dressing room
34	Soiled linen	Rest room
35	Janitor closet	Rest room
36	Cardiac room	Gymnasium
37	Generator room	Gymnasium
38	Storage	Gymnasium
39	Office	Gymnasium
40	Pharmacy storage	Toilet
41	Break room	Toilet
42	IV Lab	Toilet
43	IV Lab	Toilet
44	Inpatient pharmacy	Rest rm/switchboard/terminal
45	Latrine	Toilet
46	Waiting area	Waiting room
47	Pharmacy	Corridor
48	Linen	Soiled linen
48A	Office	Laundry
49	Prayer room	Clean linen
50	Chaplain office	Patient laundry
51	Computer room	Clerk and records
52	Office	Clerks and records
53	Dispositions	Mess officer and clerks
54	Patient information	Waiting space
55	Information center	Information
56	Pre-admission area	Medical library
56A	Pre-admission	Library
56B	Pharmacy vault	Vault
57	Latrine	Toilet
58	Clinic	Stockroom

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
59	Exam room	Stockroom
60	Exam room	Pharmacy
61	Office	Pharmacy
62	Mechanical room	Pharmacy
63	Office	Officer of the day
64	Medevac storage	Sterilizing room
65	Medevac office	Emergency room
66	Mechanical room	Receiving office/waiting room
66A	Ambulance garage	Did not exist
67	Storage	Attending surgeon office and exam
68	Storage	Toilet/supply room
69	Office	Prophylactic room
69A	Office	Emergency night attendants room
70	Sterilization room	Emergency night attendants room
71	Office	Trunk room
72	Office	Patients' effects
73	Office	Patients' effects
74	Office	Patients' effects
75	Office	Patients' effects
76	Coronary room	Patients' effects
77	Sterile supply	Patients' effects
78	Janitor closet	Dressing room
79	Locker room	Dressing room
79A	Latrine	Toilet
80	Locker room	Dressing room
80A	Latrine	Toilet
81	Office	Supply room
82	Office	Leather work room
82A	Mechanical room	Did not exist
83	Latrine	Toilet
84	Mechanical room	Closet
85	Linen room	Lobby and display room
86	Break room	Aids office
87	Office	Reed and wood work room
88	Patient transport	Reed and wood work room
89	Office	Weaving and loom room
90	Conference room	Weaving and loom room
91	Office	Display room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
92	Administrative support	Corridor
92A	Administration	Corridor
93	Office	display room
94	Trauma room	Book binding/pottery and dying/book
94A	Ante room	General library
95	Mechanical room	Soiled linen
96	Office	Janitor's closet
97	Exam room	General library
98	Telephone room	General library
99	Exam room	General library
100	Suture room	General library
100N	EM	Chapel
101	Exam room	General library
101A	Preparation	Chapel
101N	Lab/Tissue	Chapel
102	Suture room	General library
102N	Darkroom	Preparation room
103	Exam room	General library
103A	Vestibule	Preparation room
103N	Office	Preparation room
104	Exam room	General library
104N	Preparation room	Autopsy room/toilet
105	Office	Librarians office
105N	Preparation room	Preparation room
106	Reception	corridor
106A	Morgue	Mechanical equipment storage
106B	Morgue	Mechanical equipment storage
106N	Morgue	Mechanical equipment storage
107	Lounge	reading room
107N	Biohazard room	Autopsy room
108	Storage	Autopsy room
109	Janitor closet	Janitor closet
110	Mechanical room	Toilet/vegetable cooler
111	Janitor closet	Garbage cooler
112	Storage	Fruit cooler
112A	Storage	Vegetable cooler
113	Storage/work area	Mechanical equipment storage
114	Locker	Garbage cooler/fruit cooler

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
115	Locker	Vegetable cooler
116	Morgue cooler	Mechanical equipment storage
117	Computer training	Orthopedic shop
118N	Morgue	Morgue
119	Freezer	Mechanical equipment storage
120	Locker room	Mechanical equipment storage
120A	Locker room	Mechanical equipment storage
121A	Locker room	Mechanical equipment storage
121	Locker room	Mechanical equipment storage
122	Storage	Mechanical equipment storage
123	Electrical	Mechanical equipment storage
124	Electrical	Mechanical equipment storage
125	Corridor	Corridor
126	Corridor	Corridor
126A	Corridor	Corridor
126B	Storage	Corridor
126C	Storage	Corridor
126E	Files	Corridor
126F	Files	Corridor
127	Corridor	Corridor
127A	Entry	Corridor
128	Office	Laundry
129	Mechanical room	Did not exist
129A	Compressor room	General storeroom
130	UNK	Toilet
131	UNK	Toilet
132	UNK	Ice cream preparation
133	UNK	Ice cream box
134	UNK	Dairy box/fish and foul box
135	UNK	Meat preparation
136	UNK	Meat box
137	UNK	Frozen meat box
138	Computer training	Vegetable box
139	Morgue	Vegetable preparation
140	Corridor	Vegetable preparation
141	UNK	Corridor
142	UNK	Kitchen stores
143	UNK	Kitchen stores

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
144	UNK	Kitchen stores
144A	UNK	Kitchen stores
144B	UNK	Kitchen stores
145	UNK	Kitchen stores
146	UNK	Kitchen stores
147	UNK	Kitchen stores
148	UNK	Storekeeper
149	UNK	Bakery office
150A	UNK	Cold storage
150B	UNK	Pastry storage
150N1	UNK	Corridor
150N2	Computer room	General storeroom
151N1	UNK	Bread storage
151N2	Dry storage	General storeroom
152	UNK	Bread storage
153N1	UNK	Bakery
153N2	Laundry	Soiled linen
154	UNK	General storeroom
155	UNK	Bakery storeroom
157	Laundry	Soiled linen
1001	Office	Closet/adjutant
1002	Office	Commanding officer
1003	Vestibule	Closet
1004	Latrine	Toilet
1005	Closet	Closet
1006	Office	Executive officer
1007	Office	Waiting space
1008	Vestibule	Office
1009	Office	Board and conference room
1010	Office	Chief nurse
1011	Office	Chief nurse
1011A	Office	Porch
1012	Hallway	Hospital inspector
1013	Latrine shower	Bath
1014	Closet	Janitor room
1015	Closet	Soiled linen
1016	Closet	Soiled linen
1017	Staff lounge	Double room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
1018	Storage	Porch
1019A	Latrine	Bath
1019B	Latrine Shower	Bath
1019C	Supply closet	Duct space
1020	Oxygen room	Utility room
1021A	Patient room	Double room
1021B	Latrine shower	Utility room
1022	Closet	Bath
1023A	Patient room	Double room
1023B	Latrine shower	Bath
1024	Closet	Closet
1024A	Patient room	Double room
1024B	Latrine shower	Bath
1026	Lounge	Corridor
1027	Resident office	Dayroom
1028	Patient room	Porch/double room
1028C	Latrine shower	Bath
1030	Patient room	Porch/double room
1030C	Latrine shower	Bath
1031A	Office	Porch
1031B	Office	Porch
1032	Shower tub	Bath
1033	Office	Double room
1034A	Isolation room	Double room
1034B	Latrine shower	Bath
1034C	Utility room	Litters and bedscreen
1035	Office	Supplies
1036	Storage room	Supplies
1040A	Patient room	Bedroom
1040B	Patient room	Porch
1040C	Latrine shower	Bath
1043A	Patient room	Bedroom
1043B	Patient room	Porch
1043C	Latrine shower	Bath
1046A	Patient room	Bedroom
1046B	Patient room	Porch
1046C	Latrine shower	Bath
1049A	Patient room	Bedroom

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
1049B	Patient room	Porch
1049C	Latrine shower	Bath
1050A	Office	Dayroom
1050B	Office	Dayroom
1050C	Office	Dayroom
1051A	Office	Utility room
1054A	Patient room	Double room
1054B	Latrine bath	Bath
1055A	Clinic	Bedroom
1055B	Latrine shower	Bath
1057	Patient room	Bedroom
1058A	Patient room	Bedroom
1058B	Latrine shower	Bath
1060	Patient room	Bedroom
1061A	Patient room	Bedroom
1061B	Latrine shower	Bath
1063	Patient room	Bedroom
1064A	Treatment room	Bedroom/closet
1064B	Latrine shower	Bath
1065	Office	Utility room
1066	Nurse station	Nurse station
1071	Med room	Ward office
1074	Kitchen	Examination and treatment
1075	Mechanical room	Serving kitchen
1076	Electrical room	Red Cross
1078	Office	Red Cross
1081	Assist room	Red Cross
1082	Patient room	Chaplains office
1083	Office	Chaplains clerk
1084	Office	Navy office
1085	Office	Veterans Bureau
1086	Office	Toilet
1087	Utility room	Janitor closet
1088	Latrine	Toilet
1089	Office	Patient mess waiting room
1089A	Admin resident	Patient mess waiting room
1089B	Admin resident	Patient mess waiting room
1089C	Executive office	Patient mess waiting room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
1090	Protocol	Patient mess waiting room
1091	Closet	Coat closet
1092	Servery	Cafeteria
1093	Electric closet	Cafeteria
1094	Dining room	Cafeteria
1095	Kitchen	Main kitchen
1096	Office	Refrigerator
1097	Office	Scullery/storage
1098	Staging	Scullery/refrigerator
1099	Tray assembly	Officers and diet kitchen
1100	Office	Officers and diet kitchen
1101	Work room	Officers and diet kitchen
1102	Office	Dietitians room
1103	Office	Toilet
1104	Office	Dietitians Kitchen and laboratory
1105	Dish wash	Food cart storage/dishwashing
1105B	Mechanical room	Did not exist
1106	Dinning room	Cafeteria
1106A	Office	Patient mess waiting room
1106B	Office	Patient mess waiting room
1106C	Office	Patient mess waiting room
1107A	Secretary	Patient mess waiting room
1107B	Admin support	Patient mess waiting room
1107C	Latrine	Toilet
1108	Latrine	Toilet
1109A	Office	Agent finance office
1109B	Office	Agent finance office
1110	Office	Registrar
1111A	Cashier	Vault
1111B	Vault	Vault
1112A	Office	Officers mess room
1112B	Office	Officers mess room
1112C	Office	Registrar
1113	Office	Officers mess room
1114A	Ophthalmology - room	Serving kitchen
1114B	Ophthalmology - room	Serving kitchen
1115	Ophthalmology	Serving kitchen
1116	Office	GI laboratory

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
1117	Janitor closet	Toilet
1118	Office	Examination room
1120	Resident office	Fluoroscope
1121	Office	Office
1122	Office	Office
1123	Office	Examining room/passage
1124	Office	Waiting room
1125	Office	Dental operating room
1126	Office	Dental operating room
1127	Office	Dental operating room
1128	Office	Office
1129	Office	Dental operating room
1130	Office	Dental operating room
1131	Exam room	Dental operating room
1132	Conference room	Men's locker
1135	Wet lab	Hallway
1137	Office	Dental laboratory
1138	Copy room	Operating room
1139	Reception room	Operating room
1140A	Exam room	Operating room
1140B	Exam room	Operating room
1141	Latrine	Janitor closet
1142	Office	Corridor
1143	Office	Janitor closet
1144	Office	Dental supplies
1145	Reuse room	Darkroom
1147	Office	Dental supplies/dental records
1148A	Dialysis room	Allergy clinic
1148B	Dialysis room	Allergy clinic
1148C	Dialysis room	Allergy clinic
1148D	Dialysis room	Allergy clinic
1148E	Dialysis room	Allergy clinic
1148F	Dialysis room	Toilet
1148G	Dialysis room	Dental records
1148H	Dialysis room	Dental supplies
1149	Nurse station	Allergy clinic
1152	Break room	Allergy clinic
1153	Isolation room	Allergy clinic

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
1154	Supply room	Supply/utility room
1156	Mechanical room	Office/toilet
1157	Plethysmography	Office
1160	Clinic	Office
1161	Spirometry room	Corridor
1162	Latrine	Sterilizing
1164	Sleep instrumentation	Washup
1165	Sleep room	eye, ear, nose, throat operating room
1166	Admin support	audiometer, darkroom, and refraction
1167	System manager	Refraction room
1171	Computer room	eye, ears, nose, throat booth
1172	Supply room	Linen and supplies
1173	Supply room	Linen and supplies
1174	Office	Office
1178	Reception	Darkroom/electrocardiograph/office
1183	Waiting area	Record room
1184A	Reception room	Records room
1184B	X-ray	Record room
1184C	Darkroom	Soiled linen
1184D	Latrine	Record room
1185A	Operating room	Janitor room
1185B	Operating room	Record office
1185C	Operating room	Record office
1186	Recovery room	Records room
1187	Lab	Records room
1188	Office	Records office
1189A	Office	Office
1189B	Wire locker	Supplies
1190	Office	Record office
1190A	Office	Office
1190B	Secretary office	Lobby
1191	Common room	Waiting space
1194	Secretary	Clerk
1195	Office	Clerk
1196	Office	Sgt Major
2000	Office	Stenographer
2001	Admin support	Clerks/records
2002	Office	Examination room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
2003	Copy room	Waiting space
2004	Office	Waiting space
2005	Conference room	Examining board room
2006	Office	Porch
2006A	Office	Bedroom
2007	Bathroom	Bath
2008A	Doctors' room	Bedroom
2008B	Doctors' room	Bedroom
2009	Doctors' room	Porch
2010	Bathroom	Bath
2011	Patients room	Porch
2012	Oxygen room	Closet
2013	Staff room	Corridor
2014	Closet	Janitor closet
2015	Staff restroom	Bath
2016	Report room	Porch
2017	Office	Soiled linen
2018	Office	Double room
2019	Office	Porch
2020	Kitchen	Porch
2021	Office	Duct space
2022	Bathroom	Bath
2023	Patient room	Double room
2024	Storage room	Utility room
2025	Bathroom	Utility room
2026	Patient room	Double room
2027	Storage room	Bath
2028	Bathroom	Bath
2029	Patient room	Double room
2030	Bathroom	Double room
2031	Patient room	Double room/bath
2032	Storage room	Corridor
2033	Conference room	Dayroom
2034	Patient room	Double room
2035	Bathroom	Bath
2036	Bathroom	Bath
2037	Patient room	Double room
2038	Patient lounge	Double room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
2039	Storage room	Double room
2040	Office	Porch
2041	Report room	Porch
2042	Medicine room	Porch/double room
2043	Bathroom	Litter/bedscreens
2044	Office	Telephone booth
2045	Office	Office
2046	Office	Supplies
2047	Bathroom	Bath
2048	Patient room	Bedroom/porch
2049	Bathroom	Bath
2050	Patient room	Bedroom
2051	Bathroom	Bath
2052	Patient room	Bedroom
2053	Bathroom	Bath
2054	Patient room	Bedroom
2055	Patient room	Porch
2056A	Office	Dayroom
2056B	Storage room	Dayroom
2057	Storage room	Utility room
2058	Bathroom	Bath
2059	Patient room	Double room
2060	Patient room	Bedroom
2061	Bathroom	Bath
2062	Patient room	Bedroom
2063	Patient room	Bedroom
2064	Bathroom	Bath
2065	Patient room	Bedroom
2066	Patient room	Bedroom
2067	Bathroom	Bath
2068	Patient room	Bedroom
2069	Patient room	Bedroom
2070	Linen room	Closet
2071	Bathroom	Bath
2072	Physicians' room	Utility room
2073	Nurses station	Nurse station
2074	Medicine room	Ward office
2075	Mechanical room	Examination and treatment/serving

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
2076	Office	Oxygen room
2077	Office	Oxygen room
2078	Exam room	Oxygen room
2079	Patient room	Bedroom
2080	Bathroom	Bath
2081	Patient room	Bedroom
2082	Patient room	Bedroom
2083	Bathroom	Bath
2084	Patient room	Bedroom
2085	Patient room	Bedroom
2086	Bathroom	Bath
2087	Storage room	Utility closet
2090	Admin support	Double room
2092	Electrical room	Janitor closet
2093	men's latrine	Toilet
2094	Secretary	Museum of pathology
2095	Blood drawing	Museum of pathology
2096	Waiting room	Museum of pathology
2097	Clerical	Darkroom
2098	Processing room	Photography
2099	Clean linen	clean linen
2100	Microbiology	Camera room
2101	Pathology	Chemistry/histology/clinical
2101A	Chem office	Examining room
2101B	Chem office	Corridor
2101C	Hem office	Corridor
2103	Conference room	Normal animals
2104	NCOIC office	Normal animals
2104A	Elevator	Elevator machinery
2105	Secretary	Workroom
2105A	Office	Deck
2105B	Assistant chief	Inoculated animals
2106	Secretary	Workroom
2106A	Pathology	Inoculated animals
2107	Copy room	Workspace
2109	Ampheresis	Serology lab
2110	Office	Corridor
2111	Electrical room	Corridor

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
2112	Office	Bacteriology lab
2113	Women's latrine	Toilet
2114	men's latrine	Corridor
2115	Staff lounge	Chief of service lab
2116	Supply room	Office of NCO
2117	Hepatitis	Clerks and records
2118	Workroom	Glassware preparation
2119	Refrig	Cold room
2120	Closet	Soiled linen
2121	Office	Janitor closet
2122	Office	Glassware preparation
2124	Office	Media preparation
2124A	Office	Media preparation/storeroom/filling
2125	Office	Toilet
2125A	Mechanical room	Did not exist
2126	Waiting room	Locker room
2127	Women's latrine	Toilet
2128	Office	Double room
2131	Bathroom	Bath
2132	Patient room	Bedroom
2133	Patient room	Bedroom
2134	Bathroom	Bath
2135	Patient room	Bedroom
2136	Patient room	Bedroom
2137	Bathroom	Bath
2138	Patient room	Bedroom
2139	Patient room	Bedroom
2140	Bathroom	Bath
2141	Charting room	Bedroom
2142	Electrical room	Closet
2143	Mech/elect. room	Serving kitchen/examination and
2145	Transceiver room	Toilet
2146	Bathroom	Bath
2147	Medication room	Ward office
2148	Nurse station	Nurse station
2164	Clean linen	Litters and bedscreen
2165	Kitchen	Double room
2167	Patient room	Double room/porch

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
2167A	Bathroom	Bath
2168	Patient room	Double room
2168A	Bathroom	Bath
2171	Patient room	Double room/porch
2171A	Bathroom	Double room
2172	Office	Dayroom
2173	Storage room	Porch
2174	Patient room	Double room
2174A	Bathroom	Bath
2176	Oxygen room	Closet
2177	Patient room	Double room
2177A	Bathroom	Bath
2179	Patient room	Bedroom
2180	Utility room	Utility room
2181	Supply room	Double room
2182	Handicap latrine	Bath/double room
2183	Storage	Porch
2184	Treatment room	Double room
2184A	Supply closet	Double room
2185	Supply closet	Bath
2186	Dirty linen	Soiled linen
2187	Janitor closet	Janitor closet
2188	Conference room	Porch
2190	Patient room	Bedroom/porch
2191	Bathroom	Bath
2192	Bathroom	Bath
2193	Patient room	Bedroom
2194	Supply room	Porch
2195	Bathroom	Bath
2196	Patient lounge	Bedroom
2197	Medicine	Chief of medical service
2198	Latrine	Toilet
2199	Admin support	Waiting space
2200S	Office	Examining room
2200W	Office	Utility room
2201S	Exam room	Assist. Chief of medical service
2201W	Coumadin clinic	Ward
2202S	Supply room	Assist Chief of medical service

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
2202W	Treadmill room	Ward
2203S	Chief resident	Assist Chief of medical service
2203W	Office	Ward
2204	EKG room	Ward
2205	EKG room	Ward
2206	Halter scan	Ward
2207	Exam room	Ward
2208	Staff room	Ward
2209	Exam room	Ward
2210	Latrine	Toilet
2211	Office	Toilet
2212	Office	Porch
2213	Storage	Utility room
2214	Chief	Dayroom
2215	Fellow room	Ward
2216	Reading room	Ward
2217	Secretary	Porch
2218	Staff room	Porch
2219	Fellow room	Ward
2220	Fellow room	Ward
2221	Staff room	Porch
2222	Staff room	Porch
2223	Clinic	Ward
2224	Staff room	Porch
2225	Staff room	Porch
2226	Computer room	Porch
2227	Latrine	Bath
2228	Office	Supplies
2229	Waiting area	Ward
3000	Office	Utility room
3001	Office	Sterilizing room
3002	Office	Sterilizers
3003	Office	Pus-pneumo operating room
3004	Latrine	Pus-pneumo operating room
3005	Latrine	Toilet
3006	Office	Chief of TB service
3006A	Office	Porch
3007	Reception	Waiting

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
3008	Conference room	Bedroom
3009	Latrine	Bath
3010	Patient room	Porch
3011	Patient room	Porch/bedroom
3012	Latrine	Bath
3013	Janitor closet	Closet
3014	Latrine	Bath
3015	Patient room	Porch/bath/janitor closet
3019	Soiled linen	Soiled linen
3020	Charting room	Double room
3021	Playroom	Double room/porch
3022	Latrine	Bath
3023	Patient room	Double room
3024	Latrine	Utility room
3025	Patient room	double room
3026	Admissions office	Bath
3027	Linen storage	Double room
3028	Office	Double room
3029	Pediatric secretary	Bath
3030	Distribution room	Double room
3030A	Visiting room	Double room
3030B	Office	Porch
3031	Office	Dayroom
3032	Secretary office	Double room
3032A	Office	Porch
3032B	Office	Porch
3033	Latrine	Bath
3033A	Janitor closet	Bath
3034	Storage	Double room
3034B	Parent/patient conference	Double room
3035	Patient room	Double room
3036	Latrine	Bath
3037	Latrine	Bath
3038	Office	Porch/double room
3039	Nurse's station	Litters and bedscreens
3040	Medication	Telephone booth
3041	Office	Porch
3041A	Office	Porch

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
3042	latrine	Porch
3043	Station	Ward
3044	Pediatrics ICR	Ward
3045	Pediatrics ICU	Ward
3045A	Pediatrics isolation	Ward
3045B	Isolation room	Ward
3046	latrine	Utility room
3046A	Vestibule	Dayroom
3046B	Storage	Dayroom
3046C	Storage	Dayroom
3047	Doctor's room	toilet
3047A	Latrine	Toilet
3047B	Latrine	Utility room
3048	Rooming -in	Ward
3048A	Latrine	Toilet
3048B	Oxygen	Latrine
3049	Office	Ward
3050	Office	Ward
3050A	Station	Ward
3051	Staff lounge	Ward
3051A	Linen room	Ward
3051B	Dressing room	Ward
3052	Endoscopy	Ward
3053	Examination/treatment	Ward
3054	Soiled room	Utility room
3055	IV storage	Linen
3056	Nourishment center	Nurse's station
3057	Staff lounge	Ward office
3058	Dressing room	Closet
3059	Latrine	Toilet
3060	Mechanical room	Examination and treatment/serving
3062	Electric room	Duct space
3063	Isolation room	Bedroom
3064	Latrine	Bath
3065	Observation room	Bath
3066	Patient room	Bedroom
3067	Latrine	Bath
3068	Patient room	Bedroom

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
3069	Patient room	Bedroom
3070	Latrine	Bath
3071	Plastic room	Bedroom
3072	Secretary office	Bedroom
3073	Latrine	Bath
3074	Electric room	Utility closet
3075	Office	Double room
3077	Electric room	Janitor closet
3078	Latrine	Toilet
3079	Film file	Stores
3080	Office	Shop/clerks and records
3082	Electric room	Linen
3083	Latrine	Exam room
3084A	Radiation use	Viewing room
3084B	Radiation room	Viewing room
3084C	Control room	Viewing room
3085A	Radiology	Active films
3085B	Control room	Active films
3086	Storage room	Exam room
3087	Latrine	Toilet
3089	Radiology	Office
3090	Control room	Closet
3092	Dressing room	Machine room
3092A	Waiting room	Corridor
3095	Radiology	Fluoroscopy
3096	Latrine	Bath
3100	Control room	Control room
3101	Radiology	Radiography
3102	Latrine	Closet
3104	Daylight room	Loading room/developing room
3108	Darkroom	Previewing room
3107	Electric room	Closet
3109	Radiology	Radiography
3110	Waiting room	Dressing rooms
3111	Control room	Control room
3113	Rod room	Fluoroscopy
3113A	Closet	Closet
3113B	Latrine	Bath

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
3114	Radiology	Fluoroscopy
3116	Film processing	Machine room
3117	Vestibule	Corridor/radium preparation
3118	Radiology	Cystostopy
3118A	Control room	Control room/sterilizers
3118B	Office	Radium treatment
3123	Radiology	Deep therapy/machine room
3123A	Control room	Deep therapy
3127	Latrine	Janitor closet
3128	Janitor closet	Closet
3129	Office	Soiled linen
3130	Radiology	Surficial therapy/corridor
3130A	Control room	Corridor
3131A	Scan	Waiting room
3131B	Office	Waiting room
3132	Equipment room	Toilet
3133	Conference room	Toilet
3135	Processing room	Storage
3136	Latrine	Toilet
3137	Reception room	Double room/utility closet
3140	Admin support	Bedroom
3141	Mechanical room	Did not exist
3142	Patient room	Bedroom
3143	Bathroom	Bath
3144	Patient room	Bedroom
3145	Patient room	Bedroom
3146	Bathroom	Bath
3147	Patient room	Bedroom
3148	Ward headmaster office	Bedroom
3150	Latrine	Bedroom/bath
3151	Mechanical room	Serving kitchen/examination and
3152	Electric room	Duct space
3156	Secretary office	Ward office
3157	Storage	Nurse station
3158	Bathroom	Utility room
3159	Exam room	Utility room
3160	Nourishment center	Ward
3161	patient room	Ward

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
3161A	Latrine	Ward
3161B	Janitor closet	Ward
3162	SICU	Ward
3162A	Latrine	Ward
3162B	Storage room	Ward
3163	Isolation	Ward
3163A	Latrine	Ward
3163B	Ante room	Ward
3164	Patient room	Toilet
3165	Storage	Utility room
3166	Latrine	Utility room
3167	Conference room	Dayroom
3168	SICU	Ward/porch
3168A	Nurse station	Ward
3169	SICU	Ward/porch
3170	Patient room	Porch/ward
3170A	Latrine	Ward
3171	Nurse station	Ward
3172	Chart room	Supply room
3173	Lounge	Litters and bedscreens
3174	Medication	Porch
3175	Latrine	Porch
3176	Nurses station	Double room
3177	Latrine	Bath
3178	Doctors room	Porch
3179	Office	Double room
3180	CCU	Double room
3180A	Nurses station	Double room
3181	CCU	Double room
3182	Supervisor	Dayroom
3183	Litter storage	Corridor
3184	Patient room	Double room
3185	Latrine	Bath
3186	Patient room	Double room
3186A	Latrine	Bath
3187	Oxygen storage	Double room
3188	Patient room	Double room
3188A	Latrine	Bath

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
3189	Janitor closet	Utility room
3190	Clean linen	Double room
3191	Soiled utility	Bath
3192	Break/report room	Porch/double room
3193	Locker room	Double room
3194	Soiled linen	Soiled linen
3195	Latrine	Janitor closet/bath
3200	MICU	Bedroom/Porch
3201	Nurse station	Bedroom
3204	MICU	Bedroom/Porch
3205	Ante room	Porch
3206	Isolation	Porch
3206A	Admin support	Waiting space
3206B	Admin support	Waiting space
3207	Lounge	Fluoroscopy room
3208	Office	Clean pneumo operating room
3209	Office	Utility room
4000	Administrative office	Surgical dressing room
4001	Waiting room	Surgical dressing room
4002	Store room	Utility room
4003	Profusion room	Work room
4004	Isolation room	Bedroom
4005	MICU	Bedrooms/janitor closet
4006	Soiled linen	Porch
4007	Soiled linen	Soiled linen
4008	Janitor closet	Double room
4009	MICU storage	Double room
4010	Oxygen storage	Porch
4011	CCU	Double room
4012	CCU	Utility room
4013	CCU	Double room
4014	CCU	Double room
4015	CCU	Double room
4016	Storage	Corridor
4017	Vestibule	Corridor
4018	Head nurse/ward/master	Dayroom
4019	Vestibule	Dayroom
4020	Soiled utility	Dayroom/porch

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
4021	CCU	Porch
4022	CCU	Porch
4023	Nurse's station	Double room
4023A	Medicine preparation	Corridor
4024	Latrine	Corridor
4025	SRU	Porch/double room
4026	Nurse's station	Porch
4027	SRU	Double room
4028	Soiled utility room	Porch
4029	Dictation	Porch
4030	SICU nurse station	Ward
4031	SICU bay 3	Porch
4032	SICU bay 4	Porch
4033	Medication room	Ward
4034	Latrine	Ward
4035	Nurse's station	Ward
4036	Cardiac surgical recovery	Porch
4037	Office	Dayroom
4038	Soiled utility	Utility room
4039	Oxygen storage	Porch
4040	Storage	Toilet
4041	Conference room	Ward
4042	Ante room	Ward
4043	Isolation	Ward
4044	Latrine	Ward
4045	SICU bay 2	Ward
4046	SICU bay 1	Ward
4047	Patient room	Ward
4048	Latrine	Ward
4049	Office	Utility room
4051	Central linen supply	Linen and Nurses station
4052	Electric room	Ward office
4053	Gurney/wheel-chair	Examination and treatment
4054	Locker	Serving kitchen
4055	Locker	Serving kitchen
4057	Oxygen	Vent
4058	Sleep room	Bedroom
4059	Latrine	Bath

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
4060	Office	Bedroom
4061	Conference room	Bedroom
4077	Frozen section room	Bedroom
4078	Latrine	Bath
4079	Office	Bedroom
4080	Office	Bedroom/utility closet
4081	Office	Double room
4082	Lounge	Double room
4083	Dressing room	Locker room
4084	Latrine	Bath
4085	Linen store room	Examining room/chief of surgical
4086	Store room	Clerk/records
4087	Administrative support	Linen
4088	Medical supply	Medical supply
4089	Medical supply	Vault
4090	Operating room 7	Lockers/lounge
4091	Utility room	Toilet
4092	Utility room	Bath
4093	Operating room 6	Special Emergency room
4094	Store room	Anesthesia room
4095	Operating room 5	Operating room
4096	Store room	Sterilizing room
4097	Utility room	Sterilizers
4098	Autoclave room	Sterilizing room
4099	Utility room	Utility room
4100	Scrub room	Washup room
4101	Store room	Equipment room
4102	Utility room	Utility room
4103	Operating room 4	Operating room
4104	Operating room 3	Anesthesia room
4105	Operating room 5	Operating room
4106	Utility room	Utility room
4107	Store room	Sterilizing room
4108	Autoclave room	Sterilizing room
4109	Utility room	Sterilizers
4110	Scrub room	Washup room
4111	Utility room	Utility room
4112	Operating room 1	Operating room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
4113	Store room	Anesthesia room
4114A	Operating room 8	Nurse's work room
4114B	Store room	Nurse's work room
4115	Supply room	Supply room/instrument room
4116	Utility room	Nurse's work room
4117	Store room	Sterilizing room
4118	Janitor closet	Janitor closet
4118A	Mechanical room	Did not exist
4119	Utility room	Soiled linen
4121	Store room	Supply room
4122	Dressing room	Nurse's toilet
4122A	Latrine	Nurse's toilet
4123	Latrine	Double room
4124	Office	Double room
4125	Store room	Utility closet
4126	Latrine	Bath
4127	Office	Bedroom
4128	Office	Bedroom
4129	Latrine	Bath
4130	Doctor office	Bedroom
4131	Doctor office	Bedroom
4132	Latrine	Bath
4133	Sleep room	Bedroom
4134	Sleep room	Bedroom
4135	Latrine	Bath
4136	Doctor office	Bedroom
4137	Kitchen	Serving kitchen
4138	Store room	Closet
4138A	Residence office	Serving kitchen
4139	Office	Examination and treatment
4140	Latrine	Bath
4141	Kitchen	Closet
4142	Medicine room	Ward office
4143	Nurse station	Nurse station
4144	Clean linen room	Linen
4145	Utility room	Utility room
4146A	Medicine room	Ward
4146B	Head nurse room	Ward

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
4147	Recovery area	Ward
4148	Recovery area	Ward
4149	Pre operation holding area	Ward
4150	Latrine	Toilet
4151	Closet	Porch
4152	Janitor closet	Utility room
4153	Doctor's chart room	Dayroom
4154	Pre operation holding area	Ward
4155	Recovery area	Ward
4156	Recovery area	Ward
4157	Nurse station	Ward
4158	Supply closet	Supplies
4159	Telephone booth	Telephone booth
4160	Store room	Litters and bedscreens
4161	Medical records office	Double room
4162	Latrine	Bath
4163	Patient record processing	Porch
4164	Patient room	Double room
4164A	Patient room	Porch
4164B	Latrine	Bath
4165	Patient room	Double room
4165A	Patient room	Porch
4166	Latrine	Bath
4167	Patient room	Double room
4167A	Patient room	Porch
4168	EEG lab	Dayroom
4169	Plastic surgery office	Double room
4170	Supply closet	Closet
4171	Latrine	Bath
4172	Physical medical testing	Double room
4173	Latrine	Bath
4174	Waiting room	Double room
4175	Utility room	Utility room
4176	Bronchoscopy suite	Double room
4176A	Latrine	Bath
4177	Oxygen room	Porch
4178	Pre operation exam room	Double room
4179	Soiled linen	Soiled linen

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
4180	Latrine	Bath
4181	Janitor closet	Janitor closet
4182	Closet	Closet
4183	Closet	Closet
4184	Latrine	Bath
4185	Office	Bedroom
4185A	Equipment storage	Porch
4186	Equipment storage	Bedroom
4187	Latrine	Bath
4188	Office	Bedroom
4189	Anatheses or supply	Bedroom
4189A	Equipment storage	Porch
4190	Latrine	Bath
4191	Office	Bedroom
4192	Chief of the department of	Chief Surgical Service
4193	Latrine	Toilet
4194	Administrative support	Clerk
4195	Office	Assist. Chief of surgical service
4196	Office	Examination room
4197	Office	Waiting space
5000A	Secretary office	Corridor
5000B	Doctor office	Orthopedic dressing
5001	Doctor office	Utility
5002	Doctor office	Sterilizing room
5003	Supply room	Sterilizers
5004	Support	Portable x-ray and splints
5005	Doctor office	Examination and treatment
5006	Store room	Fracture room
5007A	Office	Fracture room
5007B	Library	Room
5008	Library	Porch
5009	Office	Bedroom
5010	Patient room	Bedroom
5011	Latrine	Bath
5012	Latrine	Bath
5013	Patient room	Bedroom/janitor closet/bath
5014	Soiled linen	Soiled linen
5015	Nourishment room	Double room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
5016	Patient lounge	Porch
5017	Patient room	Double room
5017A	Latrine	Bath
5018	Patient room	Double room
5018A	Latrine	Bath
5019	Office	Porch
5020	Oxygen storage	Porch
5021	Storage room	Double room/litter/bedscreens
5022	Soiled utility	Supplies
5023	Break room	Porch
5024	Latrine	Bath
5025	Janitor closet	Supplies
5026	Patient room	Porch/ward
5027	Latrine	Ward
5028	Patient room	Porch/ward
5029	Latrine	Ward
5030	Patient room	Porch/ward
5031	Latrine	Ward
5032	Office	Dayroom
5033	Store room	Utility room
5034	Patient room	Toilet
5035	Latrine	Toilet
5036	Patient room	Ward
5037	Latrine	Ward
5038	Patient room	Ward
5039	Patient room	Ward
5040	Latrine	Ward
5041	Patient room	Ward
5042	Patient room	Ward
5043	Latrine	Ward
5044	Patient room	Ward
5045	Patient room	Ward
5046	Latrine	Utility room
5047	Clean linen	Utility room
5048	Physician charting	Linen
5049	Nurse's station	Nurses station
5050	Medicine/clean utility	Ward office
5051	Office	Examination and treatment/serving

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
5052	Tub room	Bedroom
5053	Office	Bedroom
5054	Patient room	Bedroom
5055	Latrine	Bath
5056	Patient room	Bedroom
5057	Patient room	Bedroom
5058	Latrine	Bath
5059	Patient room	Bedroom
5063	Orthopedic room	Bedroom/bath
5064	Office	Double bedroom
5065	Electric room	Janitor closet
5066	Latrine	Men's toilet
5066A	Janitor closet	Intravenous therapy
5067A	Conference room	Porch/intravenous therapy/sterilizing
5067B	Conference room	Porch/Ward office
5067C	Storage	Intravenous therapy
5068	Utility room	Soiled linen
5069	Electric room	Linen
5070	Scrub area	Ward
5071	Operating room	Ward
5071A	Preparation hold	Ward
5071B	Substerile	Ward
5072	Latrine	Bath/utility corridor
5073	Operating room	Ward
5073A	Control	Ward
5073B	Clean/storage substerile	Locker room
5074	Office	Closet
5075	Office	Fever therapy
5076	Office	Fever therapy
5077	Office	Fever therapy
5077A	Latrine	Utility room
5078	Office	Fever therapy
5079	Storage	Fever therapy
5080	Office	Locker room
5081	Office	Ward
5081A	Latrine	Ward
5082	Closet	Ward
5083	Office	Ward

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
5084	Exam room	Ward
5085	Surgery	Bath
5086	Store room	Janitor closet
5087	Exam room	Ward
5088A	Exam room	Ward
5088B	Doctor's office	Ward
5089	Mechanical room	Did not exist
5090	Exam room	Ward
5091A	Administrative support	Porch
5091B	Office	Cystoscopy/chief of urological
5091C	Office	Porch
5092	Latrine	Women's' toilet
5093	Surgical storage	Double bedroom
5094	Electric room	Double bedroom
5095	Latrine	Bath
5096	Sterilizer	Utility closet
5097	Doctor's office	Bedroom
5098	Doctor's office	Bedroom
5099	Latrine	Bath
5100	Sleep room	Bedroom
5101	Patient room	Bedroom
5102	Latrine	Bath
5103	Patient room	Bedroom
5104	Patient room	Bedroom
5105	Latrine	Bath
5106	Patient room	Bedroom
5107	Store room	Serving kitchen
5108A	Office	Serving kitchen
5108B	Kitchen	Kitchen
5109	Break room	Examination and treatment
5110	Store room	Closet
5111	Latrine	Toilet
5112	Medication room	Ward office
5113	Nurse station	Nurse station
5114	Clean linen	Clean linen
5115	Utility room	Utility room
5116	Patient room	Ward
5117	Patient room	Ward

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
5118	Treatment room	Ward
5119	Lounge area	Ward
5120	Latrine	Toilet
5121	Store room	Porch
5122	Utility room	Utility room
5123	Office	Day room
5124	Patient room	Ward
5124A	Patient room	Porch
5125	Patient room	Ward
5125A	Patient room	Porch
5126	Patient room	Ward
5126A	Patient room	Porch
5128	Store room	Supplies
5129	Store room	Supplies
5130	Store room	Litters and bedscreens
5131	Latrine	Bath
5132	Office	Double room
5133	Latrine	Bath
5134	Resident room	Double room
5134A	Office	Porch
5134B	Office	Porch
5135	Office	Double room
5136	Latrine	Bath
5137	Lounge	Double room
5138	Soiled linen	Soiled linen
5139	Janitor closet	Janitor closet
5140	Latrine	Bath
5141	Latrine	Bath
5142	Patient room	Corridor
5144	Patient room	Bedroom
5144A	Closet	Closet
5144B	Patient room	Porch
5145	Patient room	Bedroom
5145A	Patient room	Porch
5146	Latrine	Bath
5147	Patient room	Bedroom
5147A	Patient room	Porch
5148	Resident room	Bedroom

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
5148A	Resident room	Porch
5149	Latrine	Bath
5150	Resident room	Bedroom
5150A	Resident room	Porch
5151	Office	Chief of orthopedic service
5152	Report room	Lockers
5153	Lab	Waiting space
5154	Supply room	Orthopedic dressing
5155	Office	Orthopedic dressing
5156	Office	Orthopedic dressing
6000	OB/GYN	Clerks and records
6001	Exam room	Examination and treatment
6002	Exam room	Office
6003	Latrine	Toilet/utility room
6004	Exam room	Examination and treatment
6005	Exam room	Waiting space
6006	Exam room	Bedroom
6006A	Exam room	Porch
6007	Latrine	Bath
6008	Exam room	Bedroom
6009	Exam room	Bedroom
6009A	Exam room	Porch
6010	Latrine	Bath
6011	Exam room	Bedroom
6012	OB secretary	Bedroom
6012A	Secretary office	Porch
6013	Store room	Corridor
6014	Latrine	Bath
6016	Utility room	Janitor room
6017	Telephone room	Soiled linen
6018	Office	Double room
6019	Latrine	Bath
6019A	Store room	Porch
6020	Latrine	Bath
6021	Nuerosurgery office	Double room
6022	Nuerosurgery room	Double room
6023	Latrine	Bath
6024	Office	Double room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
6024A	Administrative support	Porch
6025	Latrine	Bath
6026	Telephone booth	telephone booth
6026A	Waiting room	Porch
6026B	Break room	Porch
6027	Store room	Linen
6028	Nurse station	Nurse station
6029	Medication room	Ward office
6030	Latrine	Toilet
6031	APG office	Corridor
6032	Appointments	Examination and treatment
6033	Conference room	Serving kitchen
6034	Store room	Closet
6035	Office	Bedroom
6036	Latrine	Bath
6037	Closet	Closet
6038	Utility room	Utility room
6039	Office	Bedroom
6040	Latrine	Bath
6041	Administration office	Bedroom
6042	Office	Bedroom
6043	Latrine	Bath
6044	Anatheses room	Bedroom
6045	Staff room	Bedroom
6046	Latrine	Bath
6047	Store room	Closet
6049	Latrine	Bath
6050	Utility room	Janitor room
6051	Latrine	Men's toilet
6052	Recovery area	Double room
6052A	Recovery area	Porch
6053	Store room	Closet
6054	Latrine	Bath
6055	Closet	Closet
6056	Treatment room	Ward office
6057	Patient room	Bedroom
6058	Closet	Closet
6059	Latrine	Bath

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
6060	Clean linen	Linen
6061	Delivery room	Double room
6065	Contaminated trash	Bath
6066	Utility room	Double room
6067	File room	Labor room
6068	Operating room	Delivery room
6069	Supply room	Supply room
6070	Nurse station	Nurse station
6071	Latrine	Bath
6072	Utility room	Sterilizer
6074	Labor room	Work room/sterilizing room
6075A	Utility/store room	Utility room
6075B	Store room	Corridor
6076	Staff lounge	Supplies
6077A	Patient room	Laundry
6077B	Latrine	Utility room
6078	Supply room	Baby's bath
6079	Emergency room	Nursery
6080	Storage	Ante room
6081A	Physician room	Serving kitchen
6081B	Latrine	Ante room
6082	Labor/delivery room	Double room
6083	Closet	Closet
6083A	Mechanical room	did not exist
6084	Closet	Closet
6085	Latrine	Bath
6086	Office	Bedroom
6087	Latrine	Bath
6088	Utility room	Janitor's room
6089	Soiled linen	Soiled linen
6090	Office	Double room
6090A	Ultrasound room	Porch
6091	Storage	Bath
6092	Closet	Closet
6093	Closet	Closet
6094	Office	Bedroom
6094A	OB/GYN	Porch
6095	Latrine	Women's toilet

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
6096	Latrine	Bath
6097	Double room	Double room
6098	Storage	Closet
6099	Latrine	Bath
6100	Office	Bedroom
6101	Patient room	Bedroom
6102	Latrine	Bath
6103	Patient room	Bedroom
6104	Patient room	Bedroom
6105	Latrine	Bath
6106	Patient room	Bedroom
6107	Utility room	Utility room
6108	Janitor closet	Closet
6109	Latrine	Bath
6110	Patient room	Bedroom
6111A	Food preparation	Serving kitchen
6111B	Latrine	Closet
6112A	Office	Serving kitchen
6112B	Nursing supervisor	Serving kitchen
6113	Office	Examination and treatment
6114	Report room	Corridor
6115	Storage room	Bath
6116	Medication room	Ward office
6117	Nurse station	Nurse station
6118	Office	Linen storage
6118A	Patient room	Porch
6119	Telephone booth	Telephone booth
6120	Latrine	Bath
6121	Patient room	Double room
6121A	Patient room	Porch
6122	Latrine	Bath
6123	Patient room	Double room
6124	Patient room	Double room
6125	Latrine	Bath
6126	Supply room	Double room
6127	Utility room	Bath
6128	Soiled linen	Soiled linen
6129	Vestibule	Janitor closet

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
6130A	Newborn nursery	Bedroom
6130B	Observation room	Double room
6130C	Administrative support	Bedroom
6131	Changing room	Bedroom
6132	Latrine	Bath
6133	Office	Bedroom
6134	Office	Bedroom
6135	Office	Bedroom
6136	Staff office	Bedroom
6140	Exam room	Examination and treatment
6141	Latrine	Toilet and utility room
6142	Exam room	Waiting space
6143	Exam room	Office
6144	Exam room	Examination and treatment
7000	Copier room	Linen room
7001	Secretary office	Examination and treatment
7002	NCOIC Office	Double room
7003	Latrine	Latrine
7004	Urology	Double room
7005	Reception room	Waiting room
7006	Supply room	Storage
7007	Patient room	Bedroom
7007A	Patient room	Porch
7008	Latrine	Latrine
7009	Sleep room	Bedroom
7010	Patient room	Bedroom
7010A	Patient room	Porch
7011	Latrine	Bath
7012	Urology	Bedroom
7013	Patient room	Bedroom
7013A	Patient room	Porch
7014	Latrine	Bath
7015	Linen storage	Corridor
7017	Janitor closet	Janitor's room
7018	Latrine	Bath
7019	Doctor office	Day room
7020	Linen chute	Linen chute
7021	Mechanical room	Elevator machinery

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
7022	Utility room	Utility room
7023	Patient room	Bedroom
7024	Latrine	Bath
7025	Patient room	Bedroom
7026	Patient room	Bedroom
7027	Latrine	Bath
7028	Patient room	Bedroom
7029	Urology office	Bedroom
7030	Latrine	Bath
7031	Store room	Storage
7032	Office	Double room
7033	Latrine	Bath
7034	Wire closet	Janitor's room
7035	Latrine	Men's toilet
7036	Treatment room	Waiting room
7036A	Sterile storage	Serving kitchen
7037	Treatment room	Serving kitchen
7038	Mechanical room	Elevator Machinery
7039	Urology lab	Sterilization room
7040	Urology	Sterilization room
7040A	Urology lab	did not exist
7041	Urology lab	Utility room
7042	Treatment room	Operating room
7043	Control room	Light lock room
7045	Treatment room	Fluoroscopy
7046	Latrine	Woman's toilet
7047	Latrine	Bath
7048	Office	Double room
7049	Latrine	Bath
7050	Closet	Storage
7051	Office	Bedroom
7052	Patient room	Bedroom
7053	Latrine	Bath
7054	Patient room	Bedroom
7055	Patient room	Bedroom
7056	Latrine	Bath
7057	Patient room	Bedroom
7058	Soiled room	Utility room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
7059	Mechanical room	Elevator machinery
7060	Linen chute	Linen chute
7061	Doctor's office	Day room
7062	Janitor closet	Janitor's closet
7063	Latrine	Bath
7064	Clean linen	Corridor
7065	Closet	Closet
7066	Latrine	Bath
7066A	Patient room	Porch
7067	Patient room	Bedroom
7068	Treatment room	Bedroom
7068A	Patient room	Porch
7069	Latrine	Bath
7070	Patient room	Bedroom
7071	Supply closet	Bedroom
7071A	Patient room	Porch
7072	Latrine	Bath
7073	Patient room	Bedroom
7074	Cardio room	Double room
7075	Latrine	Bath
7076	Secretary	Double room
7078	Nurse station	Storage/nurse station
7079	Report room	Office
8000	Office	Examination and treatment
8001	Office	Double room
8001A	Latrine	Latrine
8002	Administration office	Administration office
8002A	Latrine	Latrine
8003	Supply closet	Supply closet
8003A	Supply closet	Supply closet
8004	Office	room/duct space
8004A	Latrine	Latrine
8005	Janitor closet	janitor closet
8006	Office	Serving room
8007	Bushnell Auditorium	Assembly room
8007A	Stage	Stage
8007B	Dressing room	Dressing room
8007C	Dressing room	Dressing room

TABLE 3.1 (Continued)
HISTORICAL ROOM USE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use
8007D	Dressing room	Dressing room
8008	Latrine	Latrine
8009	Duct space	Room/duct space
8009A	Latrine	Latrine
8010	Administration	Office
8010A	Latrine	Latrine
8011	File room	Linen closet
8012	Nursing	Double room
8012A	Latrine	Latrine
8013	Office	Office
9000	Elevator	Machinery room

more recent practice of concentrating wards in tall buildings under a single roof. This was in marked contrast to the earlier procedure of building a number of low, widely spaced buildings, as represented by Fitzsimons' original layout. In 1937, Congress approved a large appropriation for Fitzsimons, part of an increased spending package for a number of posts. Colonel Buck finalized plans for a new permanent hospital building. The structure, which was to be the first major permanent building on the post, was to be equipped with modern surgical and medical facilities. In his report for the year 1938, Surgeon General Reynolds stated that the new main building would be "the largest single hospital structure ever built by the Army." Congress approved $3.75 million for the new main building, with $3 million coming from Public Works Administration funds, and the rest of the money from the Federal Board of Hospitalization.

By mid-December 1938, preparations were well underway for construction of the new building, which would make Fitzsimons the largest general Army hospital in the country, with 2,252 beds. Excavation for the hospital took place in 1938 on the former site of the administration building and construction of the new main hospital was awarded to the Great Lakes Construction Co. of Chicago in December 1938, and took more than two years to complete. On 3 December 1941, the hospital building was dedicated by Congressman Lewis and 500 other dignitaries representing the Army, civic groups, government, and business. The dedication took place just four days before Pearl Harbor and the first patients began to arrive 17 December 1941. During World War II, the hospital cared for some 5,000 patients, and during the Korean War 2,500 patients.

At the completion of construction, the new building covered 290,000 square feet of floor space and was reportedly the largest structure in Colorado and the largest general army hospital in the country. The building's dimensions were 554 feet in length, 250 feet in width, and 152 feet in height (CRS, 1991).

3.5 PERMITTING/LICENSE STATUS

The regulatory requirements for Building No. 500 operations are discussed below. These requirements are mandated by federal and state regulations, and should be considered during the BRAC process. In addition, Fitzsimons must comply with environmental requirements issued by the DoD.

3.5.1 Resource Conservation and Recovery Act Status

Building No. 500 at Fitzsimons maintains a Resource Conservation and Recovery Act (RCRA) hazardous waste accumulation point on the ground floor level. This accumulation point is not considered a Treatment, Storage and Disposal (TSD) facility under RCRA and therefore does not have a TSD permit. Hazardous waste does not accumulate for more than 90 days at this location, nor is hazardous waste stored, treated, or disposed of onsite.

3.5.2 Comprehensive Environmental Response, Compensation, and Liability Act Status

No CERCLA actions are currently being conducted at Building No. 500.

3.5.3 National Pollution Discharge Elimination System Permits

Building No. 500 specifically does not have a National Pollution Discharge Elimination System (NPDES) permit. However, Fitzsimons maintains a permit for discharges to Tollgate Creek from the wastewater treatment plant (WWTP) for the entire installation.

3.5.4 Solid Waste Permits

Building No. 500 does not have any solid waste disposal permits. All nonhazardous waste is disposed of through the Denver Arapahoe Disposal Site and Recycling Center (DADS) in Aurora, Colorado. Medical waste is collected in Building No. 500 and transported to the autoclave at Building No. 264 for disinfection prior to offsite disposal.

3.5.5 Air Permits

Building No. 500 does not have air permits or air pollution emission notices (APENs).

3.5.6 Water Supply Permits

Building No. 500 does not maintain any water supply permits.

3.5.7 Underground and Aboveground Storage Tank Registrations

Building No. 500, does not currently maintain underground storage tanks (USTs) or aboveground storage tanks (ASTs) registered with CDPHE. The emergency generator that serves Building No. 500 and the USTs which store diesel fuel to run the generator are housed in Building 532, which is immediately adjacent to Building No. 500 on the northwest corner. USTs were removed adjacent to Building No. 500 in the late 1980s, but were not required to be registered with CDPHE. ASTs were formerly located in the basement of Building No. 500, and were removed in the early 1990s.

3.5.8 Nuclear Regulatory Commission

Building No. 500 has used radioactive materials in the past and has had an NRC license (License No. 05-00046-13, Docket No. 030-01233) for radioactive material use since 1964. The current license will expire 31 December 1999.

SECTION 4

RESEARCH FINDINGS

Information gathered from review of sources identified in Section 2, including Fitzsimons environmental documents, regulatory records, and interviews and visual inspections, is summarized below. The information is presented for both CERCLA (hazardous substances and petroleum products) and non-CERCLA environmental-related issues (asbestos, lead-based paint, radon, PCBs, and radionuclides). The information was gathered in accordance with CERFA and was used in determining the categorization of rooms and areas in Building No. 500 as presented in Section 5.

4.1 DOCUMENT REVIEW, INTERVIEWS, AND VISUAL INSPECTIONS

Fitzsimons environmental documents were reviewed with respect to locations of storage, release, or disposal of hazardous substances or petroleum products, ongoing response actions, and identification of hazardous or petroleum waste sources at Building No. 500. Interviews and visual inspections were also conducted at Fitzsimons as described in Section 2. The completed interview and visual inspection forms are presented in Appendices D and E, respectively. More than 40 current and former employees were interviewed, and each wing of Building No. 500 was inspected.

The text shown in italics presents conditions as they exist today, in the event that current conditions vary from those reported in environmental documents. A summary of the gathered information deemed relevant to this SSEBS is presented below.

4.1.1 Hazardous Substance Storage Locations

Mercury was historically used in small quantities at Building No. 500 specifically for thermometers and manometers. According to Fitzsimons personnel, during previous remodeling efforts, mercury was discovered behind and under storage cabinets and work counters in storage and laboratory rooms. Further investigations with mercury measuring devices have not identified additional mercury locations (Fitzsimons Personnel Interviews).

During an audit by the U.S. Army Center for Health Promotion and Preventative Medicine (USACHPPM) (formerly USAEHA), it was found that no secondary containment was constructed for underground storage tanks (USTs) at Building No. 500 (USAEHA, 1993). Two ASTs were also confirmed for Building No. 500 in the 1938 construction documents (change orders). These ASTs were located in the basement of Building No. 500. No documentation supporting the size and capacity of these tanks was found. *Visual inspection revealed that these tanks have since been removed.*

A review of the 1938 construction drawings indicated that rooms BN-14 and BN-15 in the basement previously were used to store transformers containing PCBs. *The PCB transformers have since been removed. No visual evidence of staining was noted during the visual inspections.*

4.1.2 Hazardous, Non-Hazardous, and Radioactive Waste Sites

Hazardous and non-hazardous wastes were disposed of through various methods at Building No. 500 including: incineration, discharge to sanitary and storm sewer system, and gaseous emissions. Information concerning these types of disposal practices, as well as general information regarding historical waste management practices at Building No. 500, is presented below.

4.1.2.1 Incineration

Hospital and domestic-type solid wastes have historically been disposed of by incineration at Fitzsimons (Environmental Science & Engineering, Inc. [ES&E], 1984). The incinerator at Building No. 500 operated between 1941 and 1977 for incineration of pathological wastes and general rubbish. The incinerator was designed with a minimum capacity to treat 325 pounds per hour of garbage and rubbish according to the 1938 Construction Specifications. *This incinerator has since been removed.*

Fitzsimons Real Estate records document the use of the incinerator from 1941 to 1977. Refractory repair work was performed on the incinerator on 1 October 1951 and 16 April 1962. No record of the disposal methods for any of the construction debris was found. Inspection of the incinerator was documented on 21 January 1975, and the incinerator scrubber was replaced on 25 March 1977.

Fitzsimons Real Estate records also document that an autoclave was located in the basement of Building No. 500 and was moved to Building No. 264 on 27 November 1985. According to Fitzsimons personnel, the autoclave was originally installed in Building No. 500 in 1977 or 1978.

4.1.2.2 Discharges to the Sanitary and Storm Sewer System

A system of gravity and force sanitary sewer mains delivers sanitary sewage to an onsite sanitary WWTP owned and operated by Fitzsimons. Estimated quantities of chemicals discharged from Building No. 500 prior to promulgation of RCRA to the sanitary sewer are presented in Table 4.1 (ES&E, 1984).

Table 4.1
Estimated Quantities of Chemicals Historically Discharged by Department of Pathology Laboratories within Building No. 500

Laboratory	Location	Chemical	Quantity
Anatomical Pathology	Floor Two	Formaldehyde	10 gal/month
Histology	Floor Two	Xylenes	5 gal/week
		Alcohol	10 gal/week

The laboratories at Fitzsimons are not currently discharging to the WWTP. Most recently, waste chemicals were collected in the individual laboratories in 5-gallon cans and accumulated in Building No. 261 prior to offsite disposal.

In addition to domestic sewage, the following areas within Building No. 500 have historically discharged to the sanitary sewer and WWTP:

- X-Ray and Photographic Developing Laboratory: Small amounts of overflow of bath solutions and rinse waters from x-ray and photographic developing processes including spent fixer and developer, were discharged (FAMC, 1985a).

- Morgue: Formaldehyde solutions, laboratory chemicals and blood were discharged (1938 Construction Drawings).

- All laboratory sinks and floor drains (1938 construction drawings and Fitzsimons personnel interviews).

- Radiological wastes: Patient urine contaminated with radionuclides was discharged (Fitzsimons personnel interviews).

Mercury and lead have been previously detected in the sludge at the WWTP. As a result, Fitzsimon's purchase of mercury thermometers was discontinued in 1972. In 1991, mercury was released in the north basement crawlspace when a contractor accidentally ruptured a sanitary sewer line while performing asbestos abatement operations. A removal action was performed to remove the mercury (Fitzsimons personnel interviews).

The first increment of the present storm sewer system was constructed in 1940 to serve Building No. 500. Brick manholes were used in its construction. Major additions were made in the 1950s (Higginbotham & Assoc., 1977). Water discharged from Building No. 500 to the storm sewers consists of storm water from roof and terrace runoff, and water collected from the drains located in the basement of the building. According to Fitzsimons personnel, the drains in the basement have possibly collected water from cleaning operations, and from any piping system leaks, breaks or repairs. Sanitary sewer pipe leaks are suspected to have occurred in the basement. Potential contaminants released into the storm sewer through the drains include sanitary sewer releases during pipe leaks, breaks, and cleaning or painting compounds stored or used in the basement. Wastewater from washing of the floor work areas in the basement has also been collected in these drains.

Interviews with Fitzsimons personnel have indicated that some piping systems within Building No. 500 have been replaced during remodeling and repair activities.

4.1.2.3 Gaseous Emissions Sources

Emission sources from Building No. 500 are exempt from permit requirements due to their small quantity or type of emissions. Permit requirements are in compliance at Fitzsimons, and no problems are associated with air emission sources (ES&E, 1984).

The clinical laboratories within Building No. 500 are equipped with biological ventilation hoods. The filters in the hoods are changed twice a year by a contractor who also arranges for proper disposal of the filters.

Each hood is either attached to its own ventilation stack or is filtered without release to an outdoor stack. None of the hoods require a pollution control device. *All biological hoods at Fitzsimons have high-efficiency particulate air (HEPA) filters; other hoods are tested solely for air flow.*

4.1.2.4 Waste Management Practices

An installation assessment of Fitzsimons (ES&E, 1984) documented some of the waste management practices performed in Building No. 500. The Radiology Department, floor three north, of Building No. 500 was used as an accumulation point for waste solutions from the dental clinic in Building No. T-514 and from the oral surgery suite in Building No. 500. These solutions consisted primarily of x-ray process wastes. Needles and syringes were collected from the veterinary clinic (Building No. T-228) and stored in Building No. 500. A small photographic laboratory in Building No. T-223 generated approximately 4 liters per quarter of laboratory wastes which were transported to the Radiology department for storage. A larger medical illustration photographic laboratory in Building No. T-515 generated approximately 20 liters per week of laboratory wastes that were transported to the Radiology department for storage (ES&E, 1984).

Photographic/x-ray wastes from several areas in Building No. 500 were processed for silver recovery, and the recovered silver was turned in to the Defense Property Disposal Office (ES&E, 1984). Those areas involved in the program include the Urology Department (x-ray), Radiology Department (x-ray and ultrasound), and DENTAC Clinic (x-ray). Most wastes have been temporarily stored in the silver recovery room on the ground floor of Building No. 500 prior to being recycled. According to Fitzsimons personnel, silver recovery was attempted using Peterson Cells in series at Building No. 500. The process did not work. The Peterson Cells were removed from Building No. 500 in 1994. The process was not efficient, and resulted in more than 5 milligrams per liter (mg/L) of silver being discharged to the WWTP. X-ray wastes and spent fixer have most recently been collected and recycled by Southwest Radiographics, a contractor. This waste has been accumulated in the silver recovery room in Building No. 500 prior to offsite recycling. Film has been returned to the Department of Logistics (DOL) for resale, and spent photographic fixer has been turned in as hazardous waste.

4.1.3 Releases of Petroleum Product

Petroleum products used during the lubrication and operation of mechanical equipment were not recorded in Fitzsimons historical records. Several 55-gallon drums of degreasers, oils, and lubricants were observed in the basement during the visual inspection. No visible staining was noticed during visual inspections of the mechanical and storage room locations.

During an audit by the USACHPPM, it was found that two USTs located immediately adjacent to Building No. 500 were removed in the late 1980s, but were not properly closed in accordance with current regulatory requirements (USAEHA, 1993). *These tanks were closed in accordance with the regulations in effect in 1986, which did not require formal closure.*

4.1.4 Asbestos Sites

A partial asbestos survey was conducted by the U.S. Army Corps of Engineers (USACE) Omaha District from 1 May through 30 August 1992. Building No. 500 was identified as containing asbestos-containing material (ACM). Fitzsimons has initiated an asbestos abatement program within Building No. 500 following the identification of areas requiring abatement. An additional asbestos survey was conducted in June and July of 1996 to confirm the locations of asbestos. Results of the asbestos survey indicate that every floor in Building No. 500, with the exception of the basement, revealed the presence of asbestos. The materials that consistently contained asbestos included window caulk, window glazing, older floor tiles and mastic and pipe insulation above ceilings or in pipe chases. A majority of the samples had trace amounts of asbestos and a number of the samples revealed the presence of 1-2% asbestos (ACE, 1996).

According to Fitzsimons personnel, a major asbestos abatement project was performed in approximately 1991 in the basement north crawlspace. Upon completion of asbestos removal from piping systems, the contractor removed approximately 6 inches of the soil floor because of the presence of asbestos in the soil. Following the removal of the 6 inches of soil, asbestos was remaining in the soil floor. Therefore, all floor areas of the crawlspaces in the basement were encapsulated with concrete to prevent the release of asbestos.

4.1.5 Lead-Based Paint Sites

In response to the Army's Lead-Based Paint Policy Guidance dated 28 April 1993, Fitzsimons prepared a draft Lead-Based Paint Abatement Management Plan. The plan provided guidance and procedures for effectively managing lead-based paint hazards at Fitzsimons, and established responsibilities for specific aspects of Fitzsimons' lead-based paint management program (TechLaw, 1994). During renovations, lead-based paint sampling has historically been performed at Building No. 500. A complete lead-based paint survey was performed at Building No. 500 in June and July of 1996. Results of the lead-based paint survey indicate that every floor in Building No. 500 revealed the presence of lead-based paint. Lead-based paint was consistently located on plaster walls, wood frames and sashes and stairwell stringers and risers (ACE, 1996).

4.1.6 Polychlorinated Biphenyls Storage Locations

PCB-containing transformers had historically been used at Fitzsimons with some still in use in 1982. Directorate of Facilities Engineering (DFAE), currently Directorate of Public Works (DPW), conducted a survey of in-service transformers in 1978. At that time, 16 transformers were identified as containing PCBs and were labeled as such. Of

the 16 transformers, 15 were located in Building No. 500. In August 1983, the 15 transformers were removed and shipped offsite for disposal.

Fitzsimons Real Estate records indicate that on 24 September 1957 nine distribution transformers were repaired. Details of the repairs were not provided. PCB transformers were also installed in Building No. 500 on 19 August 1959. The number of transformers installed was not given. *During visual inspections, transformer storage rooms BN-14 and BN-15 did not have any visible staining.*

4.1.7 Radon Sites

A radon survey was conducted at Fitzsimons in 1991. Results of long-term radon monitoring indicated that average radon concentrations within the north basement section of Building No. 500 were 4 picocuries per liter (pCi/L). The EPA has established a goal of 4 pCi/L for radon reduction. *No mitigation efforts have been performed.*

4.1.8 Radionuclide Sites

A list of the types of radionuclides used, the rooms where specific functions occurred, and the current use of the room are presented in Table 4.2. Actual start-up dates were not found. According to the Fitzsimons Radiation Protection Office (RPO) files, the Cobalt (Co)-60 teletherapy unit was dismantled and removed from Building No. 500 on 20 January 1993. The NRC terminated the teletherapy license on 12 January 1994. NRC license 05-00046-15, amendment number 17, authorizes this termination. Sealed sources, Cesium (Cs)-137, Iridium (Ir)-192, Strontium (Sr)-90, and Radium (Ra)-226 were originally stored in the basement at the teletherapy unit before being moved to the 3-north storage room.

Table 4.2
Radioisotope Material Listing and Usage within Building No. 500

Location	Source Type	Past Use	Current Use
Basement; Room BN02A	Co-60	Teletherapy	Office/Records Storage
1st - East; Room 1013	Installation of lead shielding in 1954.	Latrine	Bath
1st - East; Room 1024/1034A 1024A/1034B 1024B/1034C	Cs-137, Ir-192, Sr-90, Ra-226, (Sealed Sources)	Radiation Therapy (Patient Therapy), (Calibration)	Office
1st - East; Room 1074	Unknown	Examination and treatment	Kitchen
1st - ; Room 1142	Installation of a lead-lined door in 1967.	Corridor	Office
2nd - East, Room 2031	Iodine-131	Patient Room	Patient Room

Table 4.2 (Continued)
Radioisotope Material Listing and Usage within Building No. 500

Location	Source Type	Past Use	Current Use
2nd - East; Room 2058	Iodine-131	Bathroom for Thyroid Ablation	Bathroom
2nd - East; Room 2059	Iodine-131	Thyroid Ablation	Office
2nd - West; Room 2173	Unknown	Porch	Storage Room
2nd - West; Room 2202W	Tc-99m, Tl-201	Stress Test (Treadmill)	Patient Room
3rd - North; Room 3116, 3117, 3118, 3118A, 3118B	Cs-137	Radiology	Radiology
3rd - West; Room 3183	I-131	Corridor	Litter Storage
4th - West; Room 4176	Cs-137	Patient Room	Bronchotherapy Suite
6th - East; Room 6021	Cs-137, Ir-192, Sr-90, Ra-226 (Sealed Sources)	Patient Therapy (Calibration)	Office
7th - North; Room 7046	Installation of lead-lined doors in 1967.	Toilet	Woman's Latrine

Under Fitzsimons' NRC license, Building No. 500 is not approved for the disposal of liquid radioactive waste. Liquid radioactive wastes are approved for disposal by other buildings at Fitzsimons.

A review of the Fitzsimons Real Estate records indicates that on 30 April 1954, lead shielding was installed in Room 1013. A lead-lined door was installed on Room 7046 on 10 April 1967. A lead-lined door was also installed on Room 1142 on 7 June 1967. No current information supports the use of radionuclides at these locations.

Fitzsimons Real Estate records indicate that cobalt therapy equipment was delivered to the basement on 24 November 1969. These records indicate that soil excavation within the basement crawlspace began on 16 December 1969 for installation of the cobalt teletherapy unit.

Interview of Fitzsimons personnel indicated that Rooms 1024, 1024A, 1024B, 1034A, 1034B, 1034C, 2202W, 2058, 2059 and 6021 formerly used radionuclides. Review of Fitzsimons RPO records indicated that Room 2031 was formerly used for patient treatments with I-131, and Rooms 1074 and 2173 were surveyed in the past for radionuclides. Radiation therapy records indicated that Cs-137 was formerly used in

Room 4176 and Room 3183 used I-131. Rooms 3116, 3117, 3118, 3118A, and 3118B were formerly used by radiology.

4.1.9 Areas With No Identified Contamination

Historical activities were documented through interviews with current and former employees, visual inspection, and review of Fitzsimons and regulatory documentation. If these sources indicated that hazardous materials or petroleum products had never been stored, released, or disposed of in Building No. 500 locations, these areas were considered to be non-contaminated. These areas included those specifically used for administration, benign storage, or benign activities (e.g., day care, conference rooms). More information on the resources used for justification of non-contaminated designation is presented in Section 5.

4.2 RECORDS REVIEW

Regulatory and Fitzsimons, records were identified and reviewed from the following sources:

- USEPA;
- CDPHE;
- State of Colorado Oil Inspector's Office;
- Adams County;
- Arapahoe County;
- Tri-County Health Department;
- City of Aurora;
- City of Aurora Fire Department; and
- Fitzsimons.

No additional information for Building No. 500 was available in the above-noted regulatory agency records than that presented in the site-wide EBS. Therefore, only that information applicable to Building No. 500 is presented below.

4.2.1 Fitzsimons Records

Correspondence from Fitzsimons to CDPHE dated 28 December 1982 indicated that Fitzsimons evaporated xylene and toluene in quantities of less than 2 liters per day at Building No. 500 laboratory hoods as a means of disposal. No further references to Building No. 500 were noted. *This is no longer practiced at Fitzsimons.*

4.2.3 Fitzsimons Records and Personnel Interviews

A review of the following Fitzsimons databases and records was conducted:

- Hazardous material inventory database;
- Hazardous waste inventory database;
- Spills database;
- Storage tank database;
- Asbestos records;
- PCB records;

- Radon records;
- Radiological records; and
- Real estate records.

These databases and records were obtained from the Fitzsimons DPW and the RPO and are summarized below. Personnel interview information relevant to each database is also incorporated into the summaries.

4.2.3.1 Hazardous Material Inventory Database

Information pertaining to the hazardous material inventory database was obtained from the report, *Hazardous Material Inventory for Fitzsimons Army Medical Center* (Parsons ES, 1994). The hazardous material inventory database was reviewed to identify areas where hazardous and nonhazardous substances have been stored for more than one year. Documentation required by the Local Emergency Planning Committee (LEPC) was included in the report. Appendix C contains a listing of the stored hazardous and nonhazardous substances identified in the hazardous material inventory.

4.2.3.2 Hazardous Waste Inventory Database

The hazardous waste inventory database was reviewed to identify areas where hazardous waste had been routinely generated in the past. As hazardous waste is generated and requires disposal, it was sent to Building No. 261 for accumulation for up to 90 days. The waste was subsequently disposed of at a permitted offsite location. Table 4.3 lists the types of hazardous wastes accumulated from Building No. 500 in 1994 and 1995, respectively.

4.2.3.3 Spills Database

The spills database has been maintained by Fitzsimons since 1991 and was reviewed to identify locations within Building No. 500 where hazardous substance spills have occurred. A summary of the spill information is presented in Table 4.4.

TABLE 4.3
Hazardous Waste Inventory
Building No. 500

Waste Name	Generator	Weight (lb.)	Year
Acetone (unused)	Nursing - 1E	3	1994
Amalloy	Rad Therapy	259	1994
Amalloy	Rad Therapy	209	1995
B5 Fixative	Pathology	25	1994
Collodion USP	Pulmonary Fxn Lab	2	1994
Fixer (used)	Radiology	7556	1994
Formalin	Nursing - 1E	10	1994
Methanol - 100%	Pathology - Hematology	1170	1994
Methanol - 100%	Pathology - Hematology	207	1995
Methanol - 16%	Pathology - Hematology	2385	1994

TABLE 4.3 (Continued)
Hazardous Waste Inventory
Building No. 500

Waste Name	Generator	Weight (lb.)	Year
Methanol - 16%	Pathology - Hematology	900	1995
Methanol Dist. Sludge	Pathology - Hematology	32	1995
Methanol Sludge	Pathology - Hematology	35	1995
NICAD Batteries	Surgery - Anesthesia	11	1994
NICAD Batteries	Surgery - Anesthesia	7	1995
Paps Fixative	Nursing - 1E	9	1994
Paps Fixative	Nursing - 1E	11	1995
Broken Thermometers in Gly	Pathology - Chemistry	7	1995
Mercury Thermometers	Pathology - Blood Bank	4	1995
Thermometers in Eth.Gly.	Pathology - Blood Bank	2	1995
Spent X-ray Fixer	DOL	1800	1995
X-ray Fixer Debris	Fitzsimons	40	1995
X-ray Fixer -Spent	Fitzsimons	27,288	1995

Table 4.4
Spills Database
Building No. 500

Date of Spill	Location	Description	Mitigation
06/19/91	Ground North	Formaldehyde	Cleaned up and Disposed
05/10/92	Ground North	Formaldehyde/Specimens	Cleaned up and Disposed
02/26/93	Basement	Mercury Spill	Cleaned/Waste to Bldg 261
08/12/93	Two East	Chemotherapy Fluoroucil tube came off patient	Cleaned up and Disposed
04/20/94	Two East	Chemotherapy Taxol came loose from patient	Cleaned up and Disposed

A formaldehyde spill occurred in 1994 at the Pathology - Hematology Department and 265 pounds of waste, including spill cleanup material and drums, were shipped offsite for disposal (hazardous waste inventory database). A methanol spill (100%) occurred in 1994 in the Pathology - Hematology Department and 120-pounds of waste, including an overpack drum, were shipped offsite for disposal (hazardous waste inventory database).

Information about suspected historical spills was recorded during personnel interviews. No records were received to confirm date, location, contaminant, or quantity. Table 4.5 summarizes potential spill events mentioned in verbal interviews.

TABLE 4.5
Suspected Spills
Building No. 500

Date of Spill	Location	Description	Mitigation
1970s	7th Floor	Formaldehyde/Specimens	Cleanup/Disposed
1987	9th Floor to 8th Floor	Watertower overflow of water softener	Cleaned/Disposed
1990s	2nd East	Chemotherapy urine spill	Cleaned/Disposed
1991	4th Floor	Small mercury spill	Cleaned/Disposed
1992	8th East	Small mercury spill	Cleaned/Disposed
1994	3rd to 2nd flr	Drain overflowed	Cleaned
1995	8th Floor	Roofing Material Fumes	Ventilated

4.2.3.4 Storage Tank Database

A review of the underground storage tank (UST) and AST systems database indicated that three USTs were previously located at Building No. 500. These USTs were 1,000-gallon, 2,000-gallon, and 6,380-gallon diesel fuel storage tanks located immediately adjacent to the building, and not inside the building. The former location of two ASTs was identified in the basement of Building No. 500 during the visual inspection.

4.2.3.5 Asbestos Records

Management of asbestos at Fitzsimons has historically been conducted on an as-needed basis. Abatement within Building No. 500 has been conducted during renovation activities as needed. The majority of underground utility lines and crawlspaces have been fully abated for asbestos.

4.2.3.6 Polychlorinated Biphenyl Records

A review of the records pertaining to PCBs was conducted to identify areas where PCB-containing transformers may have been located or where spills may have occurred within Building No. 500. A review of inspection logs indicates that PCB transformers were located in the transformer vaults in the basement of Building No. 500, and were properly disposed in the 1980s.

4.2.3.7 Radon Records

A search of radon records from DPW was conducted to identify if Building No. 500 requires radon abatement. The results from testing performed in 1991 for Building No. 500 were found to be at 4 pCi/L at the north side of the basement. Follow-up monitoring was performed at Fitzsimons in 1992 at those buildings exhibiting radon levels above 8 pCi/L in 1991. Building No. 500 was not re-tested.

4.2.3.8 Radiological Records

Radiological records obtained from the RPO, including the NRC license, minutes of Radioisotope Committee Meetings, requests for authorization to use radioactive materials, and NRC audit findings, were reviewed to identify areas where radioactive materials or wastes were used or stored. Fitzsimons maintains two types of authority for use and storage of radioactive materials including an NRC material license and the Department of Army Radiation Authorization (DARA). A NRC material license for the use and storage of radioactive material has been held by Fitzsimons since 1964. Section 4.1.8 summarized the findings of the investigation.

4.2.3.9 Real Estate Records

Real estate records were provided by the Real Property Branch of DPW. These records were useful in providing an accountability of real property owned and leased by the federal government, date of construction, and operations conducted in Building No. 500. Summaries of the findings were addressed in the appropriate sections.

4.2.3.10 Renovations

The DPW provided information on the year, area, location, and comments on the most recent renovations that occurred in Building No. 500, as presented in Table 4.6. No mention of asbestos abatement efforts was included.

TABLE 4.6
RENOVATIONS
BUILDING No. 500

Location	Design Use	Area (Square Feet)	Year	Comments
8	Department of Nursing		1987	Note 1, Includes 9th Flr.
7West	Patient Ward			
7East	Patient Ward		1987	Note 1, All 7th Flr.
7Center				
6West				
6East	New Born Nursery		1986	Note 1
5West				
5North	Surgery/Same Day		1993	Note 2, Includes Ctr.
5East	Patient Ward	12,920	1995	Note 2
5Center				
4West	Patient Ward			
4North	Operating Rooms			
4East	ICU's		1995	ACE Project
4Center	Neurosurgery			
3West	Temporary ICU	17,419	1994	Note 2
3North	Radiology/Plastic Surgery		1994	Note 2, Includes Ctr.
3East	NICU/PEDS		1993	Note 2

TABLE 4.6 (Continued)
RENOVATIONS
BUILDING No. 500

Location	Design Use	Area (Square Feet)	Year	Comments
3Center				
2West	Ward/Clinic	17,605	1990	Note 1
2North	Pathology		1993	Note 2, Includes Ctr.
2East	Patient Ward	19,591	1991	Note 2
2Center				
1West	Dept of Medicine	17,983	1991	Note 2
1North	Dining Facility/Admin		1995	Note 2, food service area only
1East	Patient Ward	17,948	1990	Note 2
1Center	SGS Area		1996	Note 2
Ground North	Morgue		1996	Note 2
BWest	Engineer Shops/Storage	6,481	1996	Office partitions
BNorth	X-ray File Storage		1995	Note 3
BEast	Renovate Basement		1990	All Basement

Note 1 - Existing walls left in place were patched and painted. Ceilings, floor coverings, and lighting system replaced. New fire sprinkler and HVAC system installed. Vacuum lines, oxygen lines, etc., replaced or relocated.

Note 2 - Complete replacement and renovation. Existing walls replaced, ceilings, floor covering, and lighting system. New fire sprinkler and HVAC system installed. Vacuum lines, oxygen lines, etc., replaced or relocated.

Note 3 - Complete replacement and renovation. Existing walls replaced, ceilings, floor covering, and lighting systems. New fire sprinkler and HVAC system installed.

SECTION 5

ENVIRONMENTAL CONDITION AND CATEGORIZATION OF PROPERTY

Investigation findings presented in Section 4 are reorganized in this section by location. Because of the variety of activities, uses, and environmental history at Building No. 500, the rooms were subdivided into areas with similar environmental conditions. This arrangement allows a more logical and cost-effective approach to determining the suitability for future use, schedule for property lease or transfer, and need for additional environmental investigation.

Each room of Building No. 500 was classified into seven categories as defined in the *BRAC Cleanup Plan Guidebook* (DoD, 1993), which addresses CERCLA environmental issues. CERCLA environmental issues include the storage, release, or disposal of hazardous substances and petroleum products. The rooms were then grouped together by category to form contiguous areas with similar environmental conditions for consideration for lease, transfer, or further action.

The seven categories for environmental conditions are described as follows:

- **Category 1 - Areas where no storage, release, or disposal (including migration) has occurred.** A contiguous and mappable area where the results of the SSEBS investigation showed that no hazardous substances or petroleum products were stored, released into the environment or site structures, or disposed. If information gathered from the SSEBS indicated that hazardous substances or petroleum products had been released, disposed of, or stored in the area, the area was not identified as Category 1.

- **Category 2 - Areas where only storage has occurred.** A contiguous and mappable area where the results of the SSEBS investigation showed that storage of hazardous substances or petroleum products has occurred.

- **Category 3 - Areas of contamination below action levels.** A contiguous and mappable area where environmental evidence demonstrated that hazardous substances or petroleum products have been stored, released, or disposed of, but were present in quantities that required no response action to protect human health and the environment. Such quantities of hazardous substances or petroleum products may be below defensible detection limits, or may be above detection limits but below action levels, as defined in the *BRAC Cleanup Plan Guidebook* (DoD, 1993).

- **Category 4 - Areas where all remedial action has been taken.** A contiguous and mappable area where all remedial actions necessary to protect human health and the environment have been taken. Category 4 areas include those areas in which the SSEBS documented evidence that hazardous substances were known to have been released or disposed of, but all remedial actions necessary to protect human health and the environment with respect to any hazardous substances remaining on the property were taken to meet the provisions of CERCLA 120(h)(3).

- **Category 5 - Areas of known contamination with removal and/or remedial action underway.** A contiguous and mappable area where the presence of sources or releases of hazardous substances or petroleum products (including derivatives) were confirmed based on the results of sampling and analysis in electronic databases and/or environmental restoration and compliance reports. By definition, areas within this category contain contaminant concentrations above action levels. Remedial systems for Category 5 areas are partially or entirely in place, but have not been fully demonstrated.

- **Category 6 - Areas of known contamination where required response actions have not yet been implemented.** A contiguous and mappable area where the presence of sources or releases of hazardous substances or petroleum products (including derivatives) were confirmed based on the results of sampling and analysis as contained in electronic databases and/or environmental restoration and compliance reports. This area category contains concentrations of contaminants above action levels. In addition, required remedial systems have not been selected or implemented.

- **Category 7 - Areas that are unevaluated or that require further evaluation.** A contiguous and mappable area where the presence of sources or releases of hazardous substances or petroleum products (including derivatives) are suspected, but not well characterized, based on the results of the SSEBS investigation. These areas do not, with certainty, fit any of the previous area types because evaluation efforts have not occurred, are ongoing, or are inconclusive. In addition, all rooms in which radiological materials are currently or were formerly used are identified as Category 7.

More detailed information regarding the definition of the seven categories may be found in the *BRAC Cleanup Plan Guidebook* (DoD, 1993).

The current environmental condition of Building No. 500 with respect to the seven categories is presented. Areas identified as Categories 1 through 4 (excluding those rooms used to store radioactive substances or waste) are eligible for lease or deed transfer. Rooms in Categories 5 through 7 cannot be considered for transfer until all necessary actions have been taken to protect human health and the environment, and the areas have been reclassified as Categories 1 through 4. Areas which have non-CERCLA contaminants are available for lease, however, lease restrictions are required to prohibit intrusive remodeling activities. Table 5.1 presents all of the rooms that have been identified as Category 1.

TABLE 5.1
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
BC08	Computer equipment	Hallway	1	always been hallway or administration	visual inspection, real estate
BC09	Hallway	Office	1	always been hallway	visual inspection/real estate
BC10	Reception area	Office	1	always been administration	visual inspection/real estate
BC16	Latrine	Oxygen tank room	1	no indications of chemical storage/use	visual inspection/real estate
BC20	Oxygen storage	Oxygen tank room	1	always been oxygen storage	visual inspection/real estate
BN05	Hallway	Heat controls	1	No indication of chemical storage	visual inspection/real estate
1	Post Office	Vault	1	always been vault or Post office	visual inspection, real estate
2	Post office	Post office	1	always been post office	visual inspection, real estate
3	Post exchange	Post exchange	1	always been post exchange	visual inspection, real estate
4E	Post exchange	Post exchange	1	always been post exchange	visual inspection, real estate
4A	Office	Store room	1	always been storage for post exchange	visual inspection, real estate
4B	Office	Store room	1	always been storage for post exchange	visual inspection, real estate
6	Soiled linen	Soiled linen	1	always been soiled linen	visual inspection, real estate
7	Copy room	Waiting room	1	always been waiting room or office	visual inspection, real estate
8	Office	Store room for post exchange	1	always been store room or office	visual inspection, real estate
9	Reception area	Waiting room	1	always been waiting room	visual inspection, real estate
10	Waiting area	Waiting room	1	always been waiting room	visual inspection, real estate
11	Latrine	Toilet	1	always been latrine	visual inspection, real estate
12	Crutch storage	Linen	1	always been linen or storage	visual inspection, real estate
14	Dressing room	Physiotherapy	1	always been physiotherapy or dressing room	visual inspection, real estate
15	Dressing room	Physiotherapy	1	always been physiotherapy or dressing room	visual inspection, real estate
16	Exercise room	Exercise room	1	always been physiotherapy or exercise room	visual inspection, real estate
23	Whirlpool bath	Arm and leg whirlpool	1	always been whirlpool	visual inspection, real estate
28	File room	Hubbard bath	1	always been bath or office	visual inspection, real estate
41	Break room	Toilet	1	always been latrine or office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
45	Latrine	Toilet	1	always been latrine	visual inspection, real estate
46	Waiting area	Waiting room	1	always been waiting room	visual inspection, real estate
48	Linen	Soiled linen	1	always been soiled linen or room	visual inspection, real estate
49	Prayer room	Clean linen	1	always been clean linen or prayer room	visual inspection, real estate
50	Chaplain office	Patient laundry	1	always been laundry or office	visual inspection, real estate
51	Computer room	Clerk and records	1	always been office	visual inspection, real estate
52	Office	Clerks and records	1	always been office	visual inspection, real estate
53	Dispositions	Mess officer and clerks	1	always been office	visual inspection, real estate
54	Patient information	Waiting space	1	always been waiting area or office	visual inspection, real estate
55	Information center	Information	1	always been information center	visual inspection, real estate
56	Pre-admission area	Medical library	1	always been library/office	visual inspection, real estate
56A	Pre-admission	Library	1	always been library/pre-admission	visual inspection, real estate
57	Latrine	Toilet	1	always been latrine	visual inspection, real estate
63	Office	Officer of the day	1	always been and office	visual inspection, real estate
66A	Ambulance garage	Did not exist	1	always been ambulance garage	visual inspection, real estate
79A	Latrine	Toilet	1	always been latrine	visual inspection, real estate
80A	Latrine	Toilet	1	always been latrine	visual inspection, real estate
80	Locker room	Dressing room	1	always been dressing room	visual inspection, real estate
83	Latrine	Toilet	1	always been latrine	visual inspection, real estate
85	Linen room	Lobby and display room	1	always been lobby or linen room	visual inspection, real estate
86	Break room	Aids office	1	always been office	visual inspection, real estate
91	Office	Display room	1	always been office	visual inspection, real estate
92A	Administration	Corridor	1	always been corridor or administration	visual inspection, real estate
92	Administrative support	Corridor	1	always been corridor or office	visual inspection, real estate
93	Office	display room	1	always been office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
94A	Ante room	General library	1	always been library or ante room	visual inspection, real estate
98	Telephone room	General library	1	always been library or telephone room	visual inspection, real estate
105	Office	Librarians office	1	always been office	Errett, Neeper, Boatwright
106	Reception	corridor	1	always been corridor/reception	visual inspection, real estate
107	Lounge	reading room	1	always been reading room or lounge	visual inspection, real estate
128	Office	Laundry	1	always been office or laundry	visual inspection, real estate
1001	Office	Closet/adjutant	1	always been office or room	visual inspection, real estate
1002	Office	Commanding officer	1	always been office	visual inspection, real estate
1003	Vestibule	Closet	1	always been closet or vestibule	visual inspection, real estate
1004	Latrine	Toilet	1	always been latrine	visual inspection, real estate
1005	Closet	Closet	1	always been closet	visual inspection, real estate
1006	Office	Executive officer	1	always been closet	visual inspection, real estate
1007	Office	Waiting space	1	always been waiting area	visual inspection, real estate
1008	Vestibule	Office	1	always been office	visual inspection, real estate
1009	Office	Board and conference room	1	always been conference room	visual inspection, real estate
1010	Office	Chief nurse	1	always been office	visual inspection, real estate
1011A	Office	Porch	1	always been porch or office	visual inspection, real estate
1011	Office	Chief nurse	1	always been office	visual inspection, real estate
1012	Hallway	Hospital inspector	1	always been office or hallway	visual inspection, real estate
1017	Staff lounge	Double room	1	always been patient room or lounge	visual inspection, real estate
1019A	Latrine	Bath	1	always been latrine	visual inspection, real estate
1019B	Latrine Shower	Bath	1	always been latrine	visual inspection, real estate
1021A	Patient room	Double room	1	always been patient room	visual inspection, real estate
1023A	Patient room	Double room	1	always been patient room	visual inspection, real estate
1023B	Latrine shower	Bath	1	always been latrine	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
1026	Lounge	Corridor	1	always been corridor or lounge	visual inspection, real estate
1027	Resident office	Dayroom	1	always been dayroom or office	visual inspection, real estate
1028	Patient room	Porch/double room	1	always been porch or patient room	visual inspection, real estate
1028C	Latrine shower	Bath	1	always been latrine	visual inspection, real estate
1030C	Latrine shower	Bath	1	always been latrine	visual inspection, real estate
1030	Patient room	Porch/double room	1	always been patient room	visual inspection, real estate
1031B	Office	Porch	1	always been porch or office	visual inspection, real estate
1031A	Office	Porch	1	always bee porch or office	visual inspection, real estate
1032	Shower tub	Bath	1	always been latrine	visual inspection, real estate
1033	Office	Double room	1	always been patient room	visual inspection, real estate
1040C	Latrine shower	Bath	1	always been latrine	visual inspection, real estate
1040B	Patient room	Porch	1	always been porch or patient room	visual inspection, real estate
1040A	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
1043A	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
1043B	Patient room	Porch	1	always been porch or patient room	visual inspection, real estate
1043C	Latrine shower	Bath	1	always been latrine	visual inspection, real estate
1046C	Latrine shower	Bath	1	always been latrine	visual inspection, real estate
1046B	Patient room	Porch	1	always been porch or patient room	visual inspection, real estate
1046A	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
1049B	Patient room	Porch	1	always been porch or patient room	visual inspection, real estate
1049C	Latrine shower	Bath	1	always been latrine	visual inspection, real estate
1049A	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
1050B	Office	Dayroom	1	always been dayroom or office	visual inspection, real estate
1050A	Office	Dayroom	1	always been dayroom or office	visual inspection, real estate
1050C	Office	Dayroom	1	always been dayroom or office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
1054B	Latrine bath	Bath	1	always been latrine	visual inspection, real estate
1054A	Patient room	Double room	1	always been patient room	visual inspection, real estate
1055B	Latrine shower	Bath	1	always been latrine	visual inspection, real estate
1057	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
1058B	Latrine shower	Bath	1	always been latrine	visual inspection, real estate
1058A	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
1060	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
1061A	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
1061B	Latrine shower	Bath	1	always been latrine	visual inspection, real estate
1063	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
1064B	Latrine shower	Bath	1	always been latrine	visual inspection, real estate
1066	Nurse station	Nurse.station	1	always been nurse station	visual inspection, real estate
1076	Electrical room	Red Cross	1	always been office space or electric room	visual inspection, real estate
1078	Office	Red Cross	1	always been office	visual inspection, real estate
1081	Assist room	Red Cross	1	always been office	visual inspection, real estate
1082	Patient room	Chaplains office	1	always been office or patient room	visual inspection, real estate
1083	Office	Chaplains clerk	1	always been office or patient room	visual inspection, real estate
1084	Office	Navy office	1	always been office	visual inspection, real estate
1085	Office	Veterans Bureau	1	always been office	visual inspection, real estate
1086	Office	Toilet	1	always been toilet or room	visual inspection, real estate
1088	Latrine	Toilet	1	always been latrine	visual inspection, real estate
1107C	Latrine	Toilet	1	always been latrine	visual inspection, real estate
1108	Latrine	Toilet	1	always been toilet or room	visual inspection, real estate
1109B	Office	Agent finance office	1	always been office	visual inspection, real estate
1109A	Office	Agent finance office	1	always been an office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
1110	Office	Registrar	1	always been office	visual inspection, real estate
1111B	Vault	Vault	1	always been vault	visual inspection, real estate
1111A	Cashier	Vault	1	always been cashier	visual inspection, real estate
1112A	Office	Officers mess room	1	always been office	visual inspection, real estate
1112B	Office	Officers mess room	1	always been office	visual inspection, real estate
1112C	Office	Registrar	1	always been office	visual inspection, real estate
1113	Office	Officers mess room	1	always been office	visual inspection, real estate
1121	Office	Office	1	always been office	visual inspection, real estate
1122	Office	Office	1	always been office	visual inspection, real estate
1124	Office	Waiting room	1	always been waiting room or office	visual inspection, real estate
1128	Office	Office	1	always been office	visual inspection, real estate
1132	Conference room	Men's locker	1	always been men's locker or conference room	visual inspection, real estate
1171	Computer room	eye, ears, nose, throat booth	1	always been office	visual inspection, real estate
1174	Office	Office	1	always been office	visual inspection, real estate
1183	Waiting area	Record room	1	always been office	visual inspection, real estate
1184D	Latrine	Record room	1	always been office or latrine	visual inspection, real estate
1184A	Reception room	Records room	1	always been office	visual inspection, real estate
1186	Recovery room	Records room	1	always been office or patient room	visual inspection, real estate
1188	Office	Records office	1	always been office or patient room	visual inspection, real estate
1189A	Office	Office	1	always been office or room	visual inspection, real estate
1190	Office	Record office	1	always been office	visual inspection, real estate
1190A	Office	Office	1	always been office	visual inspection, real estate
1190B	Secretary office	Lobby	1	always been lobby or office	visual inspection, real estate
1191	Common room	Waiting space	1	always been waiting area	visual inspection, real estate
1194	Secretary	Clerk	1	always been office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
1195	Office	Clerk	1	always been office	visual inspection, real estate
1196	Office	Sgt Major	1	always been office	visual inspection, real estate
2000	Office	Stenographer	1	always been office	visual inspection, real estate
2001	Admin support	Clerks/records	1	always been office	visual inspection, real estate
2003	Copy room	Waiting space	1	always been office	visual inspection, real estate
2004	Office	Waiting space	1	always been office	visual inspection, real estate
2093	Men's latrine	Toilet	1	always been latrine	visual inspection, real estate
2127	Women's latrine	Toilet	1	always been latrine	visual inspection, real estate
2128	Office	Double room	1	always been patient room or office	visual inspection, real estate
2131	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2132	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
2133	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
2134	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2135	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
2136	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
2137	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2138	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
2139	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
2140	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2141	Charting room	Bedroom	1	always been patient room	visual inspection, real estate
2145	Transceiver room	Toilet	1	always been transceiver room or latrine	visual inspection, real estate
2146	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2148	Nurse station	Nurse station	1	always been nurse station	visual inspection, real estate
2164	Clean linen	Litters and bedscreen	1	always been litter/bedscreens and clean linen	visual inspection, real estate
2165	Kitchen	Double room	1	always been double room or kitchen	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
2167A	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2167	Patient room	Double room/porch	1	always been porch or patient room	visual inspection, real estate
2168	Patient room	Double room	1	always been patient room	visual inspection, real estate
2168A	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2171A	Bathroom	Double room	1	always been double room or latrine	visual inspection, real estate
2171	Patient room	Double room/porch	1	always been porch/patient room	visual inspection, real estate
2172	Office	Dayroom	1	always been dayroom or patient room	visual inspection, real estate
2174A	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2174	Patient room	Double room	1	always been patient room	visual inspection, real estate
2177A	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2177	Patient room	Double room	1	always been patient room	visual inspection, real estate
2179	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
2182	Handicap latrine	Bath/double room	1	always been latrine/patient room	visual inspection, real estate
2186	Dirty linen	Soiled linen	1	always been dirty linen	visual inspection, real estate
2188	Conference room	Porch	1	always been porch or office	visual inspection, real estate
2190	Patient room	Bedroom/porch	1	always been patient room	visual inspection, real estate
2191	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2192	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2193	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
2195	Bathroom	Bath	1	always been latrine	visual inspection, real estate
2196	Patient lounge	Bedroom	1	always been patient room	visual inspection, real estate
2198	Latrine	Toilet	1	always been latrine	visual inspection, real estate
2199	Admin support	Waiting space	1	always been office	visual inspection, real estate
2203S	Chief resident	Assist Chief of medical service	1	always been office	visual inspection, real estate
2203W	Office	Ward	1	always been ward or office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
2204	EKG room	Ward	1	always been ward	visual inspection, real estate
2205	EKG room	Ward	1	always been ward	visual inspection, real estate
2206	Halter scan	Ward	1	always been ward	visual inspection, real estate
2208	Staff room	Ward	1	always been ward or office	visual inspection, real estate
2210	Latrine	Toilet	1	always been latrine	visual inspection, real estate
2211	Office	Toilet	1	always been latrine	visual inspection, real estate
2212	Office	Porch	1	always been porch or room	visual inspection, real estate
2214	Chief	Dayroom	1	always been dayroom or office	visual inspection, real estate
2215	Fellow room	Ward	1	always been ward or office	visual inspection, real estate
2216	Reading room	Ward	1	always been ward or office	visual inspection, real estate
2217	Secretary	Porch	1	always been porch or office	visual inspection, real estate
2218	Staff room	Porch	1	always been porch or office	visual inspection, real estate
2219	Fellow room	Ward	1	always been ward or office	visual inspection, real estate
2220	Fellow room	Ward	1	always been ward or office	visual inspection, real estate
2221	Staff room	Porch	1	always been porch or office	visual inspection, real estate
2222	Staff room	Porch	1	always been porch or office	visual inspection, real estate
2224	Staff room	Porch	1	always been porch or office	visual inspection, real estate
2225	Staff room	Porch	1	always been porch or office	visual inspection, real estate
2226	Computer room	Porch	1	always been porch or office	visual inspection, real estate
2227	Latrine	Bath	1	always been latrine	visual inspection, real estate
2229	Waiting area	Ward	1	always been ward	visual inspection, real estate
3005	Latrine	Toilet	1	always been latrine	visual inspection, real estate
3006A	Office	Porch	1	always been porch or office	visual inspection, real estate
3006	Office	Chief of TB service	1	always been office	visual inspection, real estate
3007	Reception	Waiting	1	always been reception	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
3008	Conference room	Bedroom	1	always been bedroom or conference room	visual inspection, real estate
3009	Latrine	Bath	1	always been latrine	visual inspection, real estate
3010	Patient room	Porch	1	always been patient room or porch	visual inspection, real estate
3011	Patient room	Porch/bedroom	1	always been porch or bedroom	visual inspection, real estate
3012	Latrine	Bath	1	always been latrine	visual inspection, real estate
3014	Latrine	Bath	1	always been latrine	visual inspection, real estate
3019	Soiled linen	Soiled linen	1	always been soiled linen	visual inspection, real estate
3020	Charting room	Double room	1	always been patient room or charting room	visual inspection, real estate
3021	Playroom	Double room/porch	1	always been patient room or playroom	visual inspection, real estate
3022	Latrine	Bath	1	always been latrine	visual inspection, real estate
3023	Patient room	Double room	1	always been patient room	visual inspection, real estate
3025	Patient room	double room	1	always been patient room	visual inspection, real estate
3026	Admissions office	Bath	1	always been latrine or office	visual inspection, real estate
3027	Linen storage	Double room	1	always been double room or storage	visual inspection, real estate
3028	Office	Double room	1	always been patient room or office	visual inspection, real estate
3029	Pediatric secretary	Bath	1	always been latrine or office	visual inspection, real estate
3030A	Visiting room	Double room	1	always been patient room	visual inspection, real estate
3030B	Office	Porch	1	always been porch or patient room	visual inspection, real estate
3030	Distribution room	Double room	1	always been patient room or office	visual inspection, real estate
3031	Office	Dayroom	1	always been dayroom	visual inspection, real estate
3032B	Office	Porch	1	always been porch or patient room	visual inspection, real estate
3032A	Office	Porch	1	always been porch or patient room	visual inspection, real estate
3032	Secretary office	Double room	1	always been patient room or office	visual inspection, real estate
3033	Latrine	Bath	1	always been latrine	visual inspection, real estate
3034B	Parent/patient conference room	Double room	1	always been patient room or office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
3035	Patient room	Double room	1	always been patient room	visual inspection, real estate
3036	Latrine	Bath	1	always been latrine	visual inspection, real estate
3037	Latrine	Bath	1	always been latrine	visual inspection, real estate
3038	Office	Porch/double room	1	always been patient room	visual inspection, real estate
3039	Nurse's station	Litters and bedscreens	1	always been litter/bedscreens and nurse station	visual inspection, real estate
3041A	Office	Porch	1	always been porch or patient room	visual inspection, real estate
3041	Office	Porch	1	always been porch or patient room	visual inspection, real estate
3042	latrine	Porch	1	always been porch or latrine	visual inspection, real estate
3043	Station	Ward	1	always been ward or station	visual inspection, real estate
3044	Pediatrics ICR	Ward	1	always been patient room	visual inspection, real estate
3045B	Isolation room	Ward	1	always been patient room	visual inspection, real estate
3045	Pediatrics ICU	Ward	1	always been patient room	visual inspection, real estate
3045A	Pediatrics isolation	Ward	1	always been patient room	visual inspection, real estate
3046A	Vestibule	Dayroom	1	always been dayroom or vestibule	visual inspection, real estate
3047	Doctor's room	toilet	1	always been latrine or office	visual inspection, real estate
3047A	Latrine	Toilet	1	always been latrine or patient room	visual inspection, real estate
3048A	Latrine	Toilet	1	always been latrine	visual inspection, real estate
3048B	Oxygen	Latrine	1	always been latrine or oxygen room	visual inspection, real estate
3048	Rooming -in	Ward	1	always been patient room	visual inspection, real estate
3049	Office	Ward	1	always been patient room	visual inspection, real estate
3050	Office	Ward	1	always been patient room	visual inspection, real estate
3050A	Station	Ward	1	always been patient room	visual inspection, real estate
3051B	Dressing room	Ward	1	always been ward or office	visual inspection, real estate
3051A	Linen room	Ward	1	always been ward or linen room	visual inspection, real estate
3051	Staff lounge	Ward	1	always been ward or office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
3056	Nourishment center	Nurse's station	1	always been nurse station or nourishment center	visual inspection, real estate
3057	Staff lounge	Ward office	1	always been office	visual inspection, real estate
3059	Latrine	Toilet	1	always been latrine	visual inspection, real estate
3062	Electric room	Duct space	1	always been duct space or electric room	visual inspection, real estate
3063	Isolation room	Bedroom	1	always been patient room	visual inspection, real estate
3064	Latrine	Bath	1	always been latrine	visual inspection, real estate
3065	Observation room	Bath	1	always been latrine or patient room	visual inspection, real estate
3066	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
3067	Latrine	Bath	1	always been latrine	visual inspection, real estate
3068	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
3069	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
3070	Latrine	Bath	1	always been latrine	visual inspection, real estate
3071	Plastic room	Bedroom	1	always been patient room	visual inspection, real estate
3072	Secretary office	Bedroom	1	always been bedroom or office	visual inspection, real estate
3073	Latrine	Bath	1	always been latrine	visual inspection, real estate
3075	Office	Double room	1	always been patient room	visual inspection, real estate
3078	Latrine	Toilet	1	always been latrine	visual inspection, real estate
3136	Latrine	Toilet	1	always been latrine	visual inspection, real estate
3140	Admin support	Bedroom	1	always been patient or office	visual inspection, real estate
3142	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
3143	Bathroom	Bath	1	always been latrine	visual inspection, real estate
3144	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
3145	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
3146	Bathroom	Bath	1	always been latrine	visual inspection, real estate
3147	Patient room	Bedroom	1	always been patient room	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
3148	Ward headmaster office	Bedroom	1	always been patient room or office	visual inspection, real estate
3150	Latrine	Bedroom/bath	1	always been latrine or patient room	visual inspection, real estate
3152	Electric room	Duct space	1	always been duct space	visual inspection, real estate
3156	Secretary office	Ward office	1	always been office	visual inspection, real estate
3160	Nourishment center	Ward	1	always been ward or nourishment center	visual inspection, real estate
3161	patient room	Ward	1	always been patient room	visual inspection, real estate
3161A	Latrine	Ward	1	always been ward or latrine	visual inspection, real estate
3162	SICU	Ward	1	always been patient room	visual inspection, real estate
3162A	Latrine	Ward	1	always been ward or latrine	visual inspection, real estate
3163A	Latrine	Ward	1	always been ward or latrine	visual inspection, real estate
3163	Isolation	Ward	1	always been patient room	visual inspection, real estate
3163B	Ante room	Ward	1	always been ward or ante room	visual inspection, real estate
3164	Patient room	Toilet	1	always been latrine or patient room	visual inspection, real estate
3167	Conference room	Dayroom	1	always been dayroom or conference room	visual inspection, real estate
3168	SICU	Ward/porch	1	always been patient room	visual inspection, real estate
3168A	Nurse station	Ward	1	always been ward or nurse station	visual inspection, real estate
3169	SICU	Ward/porch	1	always been patient room	visual inspection, real estate
3170A	Latrine	Ward	1	always been ward or latrine	visual inspection, real estate
3170	Patient room	Porch/ward	1	always been porch or patient room	visual inspection, real estate
3171	Nurse station	Ward	1	always been ward or nurse station	visual inspection, real estate
3173	Lounge	Litters and bedscreens	1	always been litters and bedscreens and lounge	visual inspection, real estate
3175	Latrine	Porch	1	always been porch or latrine	visual inspection, real estate
3176	Nurses station	Double room	1	always been patient room or nurse station	visual inspection, real estate
3177	Latrine	Bath	1	always been latrine	visual inspection, real estate
3178	Doctors room	Porch	1	always been porch or office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
3179	Office	Double room	1	always been patient room	visual inspection, real estate
3180	CCU	Double room	1	always been patient room	visual inspection, real estate
3180A	Nurses station	Double room	1	always been double room or nurse station	visual inspection, real estate
3181	CCU	Double room	1	always been patient room	visual inspection, real estate
3182	Supervisor	Dayroom	1	always been dayroom or office	visual inspection, real estate
3184	Patient room	Double room	1	always been patient room	visual inspection, real estate
3185	Latrine	Bath	1	always been latrine	visual inspection, real estate
3186A	Latrine	Bath	1	always been latrine	visual inspection, real estate
3186	Patient room	Double room	1	always been patient room	visual inspection, real estate
3187	Oxygen storage	Double room	1	always been patient room or oxygen storage	visual inspection, real estate
3188	Patient room	Double room	1	always been patient room	visual inspection, real estate
3188A	Latrine	Bath	1	always been latrine	visual inspection, real estate
3190	Clean linen	Double room	1	always been patient room or linen storage	visual inspection, real estate
3191	Soiled utility	Bath	1	always been latrine or soiled utility	visual inspection, real estate
3192	Break/report room	Porch/double room	1	always been porch/double room or office	visual inspection, real estate
3193	Locker room	Double room	1	always been patient room or locker room	visual inspection, real estate
3194	Soiled linen	Soiled linen	1	always been soiled linen	visual inspection, real estate
3200	MICU	Bedroom/Porch	1	always been patient room	visual inspection, real estate
3201	Nurse station	Bedroom	1	always been patient room or nurse station	visual inspection, real estate
3204	MICU	Bedroom/Porch	1	always been patient room/porch	visual inspection, real estate
3205	Ante room	Porch	1	always been porch or ante room	visual inspection, real estate
3206	Isolation	Porch	1	always been porch or isolation room	visual inspection, real estate
3206A	Admin support	Waiting space	1	always been waiting space or office	visual inspection, real estate
3206B	Admin support	Waiting space	1	always been waiting space or office	visual inspection, real estate
4004	Isolation room	Bedroom	1	always been patient room	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
4006	Soiled linen	Porch	1	always been porch or soiled linen	visual inspection, real estate
4007	Soiled linen	Soiled linen	1	always been soiled linen	visual inspection, real estate
4010	Oxygen storage	Porch	1	always been porch or oxygen storage	visual inspection, real estate
4011	CCU	Double room	1	always been patient room	visual inspection, real estate
4013	CCU	Double room	1	always been patient room	visual inspection, real estate
4014	CCU	Double room	1	always been patient room	visual inspection, real estate
4015	CCU	Double room	1	always been patient room	visual inspection, real estate
4017	Vestibule	Corridor	1	always been corridor	visual inspection, real estate
4018	Head nurse/ward/master	Dayroom	1	always been dayroom or office	visual inspection, real estate
4019	Vestibule	Dayroom	1	always been dayroom or vestibule	visual inspection, real estate
4020	Soiled utility	Dayroom/porch	1	always been dayroom/porch or soiled utility	visual inspection, real estate
4021	CCU	Porch	1	always been porch or patient room	visual inspection, real estate
4022	CCU	Porch	1	always been porch or patient room	visual inspection, real estate
4023	Nurse's station	Double room	1	always been double room or nurse's station	visual inspection, real estate
4024	Latrine	Corridor	1	always been corridor or latrine	visual inspection, real estate
4025	SRU	Porch/double room	1	always been porch/double room or SRU	visual inspection, real estate
4026	Nurse's station	Porch	1	always been porch or nurse's station	visual inspection, real estate
4027	SRU	Double room	1	always been patient room	visual inspection, real estate
4028	Soiled utility room	Porch	1	always been porch or soiled utility room	visual inspection, real estate
4029	Dictation	Porch	1	always been porch or office	visual inspection, real estate
4030	SICU nurse station	Ward	1	always been ward or nurse station	visual inspection, real estate
4031	SICU bay 3	Porch	1	always been porch or patient room	visual inspection, real estate
4032	SICU bay 4	Porch	1	always been porch or patient room	visual inspection, real estate
4034	Latrine	Ward	1	always been ward or latrine	visual inspection, real estate
4035	Nurse's station	Ward	1	always been ward or nurses station	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
4036	Cardiac surgical recovery	Porch	1	always been porch or patient room	visual inspection, real estate
4037	Office	Dayroom	1	always been dayroom or office	visual inspection, real estate
4039	Oxygen storage	Porch	1	always been porch or oxygen storage	visual inspection, real estate
4041	Conference room	Ward	1	always been ward or conference room	visual inspection, real estate
4042	Ante room	Ward	1	always been ward of office	visual inspection, real estate
4043	Isolation	Ward	1	always been patient room	visual inspection, real estate
4044	Latrine	Ward	1	always been ward or latrine	visual inspection, real estate
4045	SICU bay 2	Ward	1	always been patient room	visual inspection, real estate
4046	SICU bay 1	Ward	1	always been patient room	visual inspection, real estate
4047	Patient room	Ward	1	always been patient room	visual inspection, real estate
4048	Latrine	Ward	1	always been ward or latrine	visual inspection, real estate
4051	Central linen supply	Linen and Nurses station	1	always been linen and nurses station	visual inspection, real estate
4052	Electric room	Ward office	1	always been ward office or electric room	visual inspection, real estate
4054	Locker	Serving kitchen	1	always been serving kitchen or locker	visual inspection, real estate
4055	Locker	Serving kitchen	1	always been serving kitchen or locker	visual inspection, real estate
4057	Oxygen	Vent	1	always been vent or oxygen storage	visual inspection, real estate
4058	Sleep room	Bedroom	1	always been patient room	visual inspection, real estate
4059	Latrine	Bath	1	always been latrine	visual inspection, real estate
4060	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
4061	Conference room	Bedroom	1	always been bedroom or conference room	visual inspection, real estate
4078	Latrine	Bath	1	always been latrine	visual inspection, real estate
4079	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
4081	Office	Double room	1	always been bedroom or office	visual inspection, real estate
4082	Lounge	Double room	1	always been double room or lounge	visual inspection, real estate
4083	Dressing room	Locker room	1	always been locker room or dressing room	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
4084	Latrine	Bath	1	always been latrine	visual inspection, real estate
4087	Administrative support	Linen	1	always been linen or office	visual inspection, real estate
4122A	Latrine	Nurse's toilet	1	always been latrine	visual inspection, real estate
4122	Dressing room	Nurse's toilet	1	always been latrine	visual inspection, real estate
4123	Latrine	Double room	1	always been double room or latrine	visual inspection, real estate
4124	Office	Double room	1	always been double room or office	visual inspection, real estate
4126	Latrine	Bath	1	always been latrine	visual inspection, real estate
4127	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
4128	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
4129	Latrine	Bath	1	always been latrine	visual inspection, real estate
4130	Doctor office	Bedroom	1	always been bedroom or office	visual inspection, real estate
4131	Doctor office	Bedroom	1	always been bedroom or office	visual inspection, real estate
4132	Latrine	Bath	1	always been latrine	visual inspection, real estate
4133	Sleep room	Bedroom	1	always been patient room	visual inspection, real estate
4134	Sleep room	Bedroom	1	always been patient room	visual inspection, real estate
4135	Latrine	Bath	1	always been latrine	visual inspection, real estate
4136	Doctor office	Bedroom	1	always been bedroom or office	visual inspection, real estate
4137	Kitchen	Serving kitchen	1	always been kitchen	visual inspection, real estate
4138A	Residence office	Serving kitchen	1	always been kitchen or office	visual inspection, real estate
4140	Latrine	Bath	1	always been latrine	visual inspection, real estate
4143	Nurse station	Nurse station	1	always been nurse station	visual inspection, real estate
4144	Clean linen room	Linen	1	always been linen	visual inspection, real estate
4146B	Head nurse room	Ward	1	always been ward or nurse room	visual inspection, real estate
4147	Recovery area	Ward	1	always been patient room	visual inspection, real estate
4148	Recovery area	Ward	1	always been patient room	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
4149	Pre operation holding area	Ward	1	always been patient room	visual inspection, real estate
4150	Latrine	Toilet	1	always been latrine	visual inspection, real estate
4153	Doctor's chart room	Dayroom	1	always been dayroom or office	visual inspection, real estate
4154	Pre operation holding area	Ward	1	always been patient room	visual inspection, real estate
4155	Recovery area	Ward	1	always been patient room	visual inspection, real estate
4156	Recovery area	Ward	1	always been patient room	visual inspection, real estate
4157	Nurse station	Ward	1	always been ward or nurse station	visual inspection, real estate
4159	Telephone booth	Telephone booth	1	always been phone booth	visual inspection, real estate
4161	Medical records office	Double room	1	always been patient room or office	visual inspection, real estate
4162	Latrine	Bath	1	always been latrine	visual inspection, real estate
4163	Patient record processing	Porch	1	always been office or porch	visual inspection, real estate
4164	Patient room	Double room	1	always been patient room	visual inspection, real estate
4164B	Latrine	Bath	1	always been latrine	visual inspection, real estate
4164A	Patient room	Porch	1	always been porch or patient room	visual inspection, real estate
4165A	Patient room	Porch	1	always been porch or patient room	visual inspection, real estate
4165	Patient room	Double room	1	always been patient room	visual inspection, real estate
4166	Latrine	Bath	1	always been latrine	visual inspection, real estate
4167A	Patient room	Porch	1	always been porch or patient room	visual inspection, real estate
4167	Patient room	Double room	1	always been patient room	visual inspection, real estate
4168	EEG lab	Dayroom	1	always been dayroom or EEG lab	visual inspection, real estate
4169	Plastic surgery office	Double room	1	always been patient room or office	visual inspection, real estate
4171	Latrine	Bath	1	always been latrine	visual inspection, real estate
4172	Physical medical testing	Double room	1	always been patient room or medical testing	visual inspection, real estate
4173	Latrine	Bath	1	always been latrine	visual inspection, real estate
4174	Waiting room	Double room	1	always been patient room or waiting room	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
4176A	Latrine	Bath	1	always been latrine	visual inspection, real estate
4177	Oxygen room	Porch	1	always been porch or oxygen room	visual inspection, real estate
4179	Soiled linen	Soiled linen	1	always been soiled linen	visual inspection, real estate
4180	Latrine	Bath	1	always been latrine	visual inspection, real estate
4184	Latrine	Bath	1	always been latrine	visual inspection, real estate
4185	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
4187	Latrine	Bath	1	always been latrine	visual inspection, real estate
4188	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
4190	Latrine	Bath	1	always been latrine	visual inspection, real estate
4191	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
4192	Chief of the department of surgery	Chief Surgical Service	1	always been office	visual inspection, real estate
4193	Latrine	Toilet	1	always been latrine	visual inspection, real estate
4194	Administrative support	Clerk	1	always been office	visual inspection, real estate
4195	Office	Assist. Chief of surgical service	1	always been office	visual inspection, real estate
4197	Office	Waiting space	1	always been waiting space or office	visual inspection, real estate
5000A	Secretary office	Corridor	1	always been office and corridor	visual inspection, real estate
5007B	Library	Room	1	always been patient room or library	visual inspection, real estate
5009	Office	Bedroom	1	always been office or bedroom	visual inspection, real estate
5010	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5011	Latrine	Bath	1	always been latrine	visual inspection, real estate
5012	Latrine	Bath	1	always been latrine	visual inspection, real estate
5014	Soiled linen	Soiled linen	1	always been soiled linen	visual inspection, real estate
5015	Nourishment room	Double room	1	always been nourishment room or double room	visual inspection, real estate
5016	Patient lounge	Porch	1	always been patient lounge or porch	visual inspection, real estate
5017A	Latrine	Bath	1	always been latrine	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
5017	Patient room	Double room	1	always been patient room	visual inspection, real estate
5018A	Latrine	Bath	1	always been latrine	visual inspection, real estate
5018	Patient room	Double room	1	always been patient room	visual inspection, real estate
5019	Office	Porch	1	always been porch or room	visual inspection, real estate
5020	Oxygen storage	Porch	1	always been oxygen storage or porch	visual inspection, real estate
5023	Break room	Porch	1	always been breakroom or porch	visual inspection, real estate
5024	Latrine	Bath	1	always been latrine	visual inspection, real estate
5026	Patient room	Porch/ward	1	always been patient room or porch	visual inspection, real estate
5027	Latrine	Ward	1	always been latrine or ward	visual inspection, real estate
5028	Patient room	Porch/ward	1	always been patient room	visual inspection, real estate
5029	Latrine	Ward	1	always been latrine or ward	visual inspection, real estate
5030	Patient room	Porch/ward	1	always been patient room	visual inspection, real estate
5031	Latrine	Ward	1	always been latrine or ward	visual inspection, real estate
5032	Office	Dayroom	1	always been dayroom or office	visual inspection, real estate
5034	Patient room	Toilet	1	always been toilet or patient room	visual inspection, real estate
5035	Latrine	Toilet	1	always been latrine	visual inspection, real estate
5036	Patient room	Ward	1	always been patient room	visual inspection, real estate
5037	Latrine	Ward	1	always been latrine or ward	visual inspection, real estate
5038	Patient room	Ward	1	always been patient room	visual inspection, real estate
5039	Patient room	Ward	1	always been patient room	visual inspection, real estate
5040	Latrine	Ward	1	always been latrine or ward	visual inspection, real estate
5041	Patient room	Ward	1	always been patient room	visual inspection, real estate
5042	Patient room	Ward	1	always been patient room	visual inspection, real estate
5043	Latrine	Ward	1	always been latrine or ward	visual inspection, real estate
5044	Patient room	Ward	1	always been patient room	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
5045	Patient room	Ward	1	always been patient room	visual inspection, real estate
5048	Physician charting	Linen	1	always been linen or physician charting	visual inspection, real estate
5049	Nurse's station	Nurses station	1	always been nurses station	visual inspection, real estate
5052	Tub room	Bedroom	1	always been bedroom or tub room	visual inspection, real estate
5053	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
5054	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5055	Latrine	Bath	1	always been latrine	visual inspection, real estate
5056	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5057	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5058	Latrine	Bath	1	always been latrine	visual inspection, real estate
5059	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5064	Office	Double bedroom	1	always been patient room	visual inspection, real estate
5066	Latrine	Men's toilet	1	always been latrine	visual inspection, real estate
5067B	Conference room	Porch/Ward office	1	always been porch/ward office or corridor	visual inspection, real estate
5069	Electric room	Linen	1	always been linen or electric room	visual inspection, real estate
5070	Scrub area	Ward	1	potential for chemical use	visual inspection, real estate
5071A	Preparation hold	Ward	1	always been patient room	visual inspection, real estate
5072	Latrine	Bath/utility corridor	1	always been latrine or utility corridor/area	visual inspection, real estate
5073A	Control	Ward	1	always been patient room	visual inspection, real estate
5080	Office	Locker room	1	always been locker room or room	visual inspection, real estate
5081	Office	Ward	1	always been patient room	visual inspection, real estate
5081A	Latrine	Ward	1	always been ward or latrine	visual inspection, real estate
5083	Office	Ward	1	always been ward or office	visual inspection, real estate
5088B	Doctor's office	Ward	1	always been ward or office	visual inspection, real estate
5091A	Administrative support	Porch	1	always been porch or office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
5091C	Office	Porch	1	always been porch or office	visual inspection, real estate
5092	Latrine	Women's' toilet	1	always been latrine	visual inspection, real estate
5094	Electric room	Double bedroom	1	always been patient room or electric room	visual inspection, real estate
5095	Latrine	Bath	1	always been latrine	visual inspection, real estate
5097	Doctor's office	Bedroom	1	always been bedroom or office	visual inspection, real estate
5098	Doctor's office	Bedroom	1	always been bedroom or office	visual inspection, real estate
5099	Latrine	Bath	1	always been latrine	visual inspection, real estate
5100	Sleep room	Bedroom	1	always been patient room	visual inspection, real estate
5101	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5102	Latrine	Bath	1	always been latrine	visual inspection, real estate
5103	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5104	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5105	Latrine	Bath	1	always been latrine	visual inspection, real estate
5106	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5108A	Office	Serving kitchen	1	always been serving kitchen or office	visual inspection, real estate
5108B	Kitchen	Kitchen	1	always been kitchen	visual inspection, real estate
5111	Latrine	Toilet	1	always been latrine	visual inspection, real estate
5113	Nurse station	Nurse station	1	always been nurse station	visual inspection, real estate
5114	Clean linen	Clean linen	1	always been clean linen	visual inspection, real estate
5116	Patient room	Ward	1	always been patient room	visual inspection, real estate
5117	Patient room	Ward	1	always been patient room	visual inspection, real estate
5119	Lounge area	Ward	1	always been patient area	visual inspection, real estate
5120	Latrine	Toilet	1	always been latrine	visual inspection, real estate
5123	Office	Day room	1	always been dayroom or office	visual inspection, real estate
5124A	Patient room	Porch	1	always been porch and patient area	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
5124	Patient room	Ward	1	always been patient room	visual inspection, real estate
5125	Patient room	Ward	1	always been patient room	visual inspection, real estate
5125A	Patient room	Porch	1	always been porch and patient area	visual inspection, real estate
5126	Patient room	Ward	1	always been patient room	visual inspection, real estate
5126A	Patient room	Porch	1	always been porch and patient area	visual inspection, real estate
5131	Latrine	Bath	1	always been latrine	visual inspection, real estate
5132	Office	Double room	1	always been patient room or office	visual inspection, real estate
5133	Latrine	Bath	1	always been latrine	visual inspection, real estate
5134B	Office	Porch	1	always been porch or room	visual inspection, real estate
5134A	Office	Porch	1	always been porch or room	visual inspection , real estate
5134	Resident room	Double room	1	always been patient room or office	visual inspection, real estate
5135	Office	Double room	1	always been patient room	visual inspection, real estate
5136	Latrine	Bath	1	always been latrine	visual inspection, real estate
5137	Lounge	Double room	1	always been patient room or lounge	visual inspection, real estate
5138	Soiled linen	Soiled linen	1	always been soiled linen	visual inspection, real estate
5140	Latrine	Bath	1	always been latrine	visual inspection, real estate
5141	Latrine	Bath	1	always been latrine	visual inspection, real estate
5142	Patient room	Corridor	1	always been corridor or patient room	visual inspection, real estate
5144	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5144B	Patient room	Porch	1	always been porch or patient room	visual inspection, real estate
5145A	Patient room	Porch	1	always been porch or patient room	visual inspection, real estate
5145	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5146	Latrine	Bath	1	always been latrine	visual inspection, real estate
5147	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
5147A	Patient room	Porch	1	always been porch or patient room	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
5148	Resident room	Bedroom	1	always been patient room	visual inspection, real estate
5148A	Resident room	Porch	1	always been patient room	visual inspection, real estate
5149	Latrine	Bath	1	always been latrine	visual inspection, real estate
5150A	Resident room	Porch	1	always been patient room	visual inspection, real estate
5150	Resident room	Bedroom	1	always been patient room	visual inspection, real estate
5151	Office	Chief of orthopedic service	1	always been office	visual inspection, real estate
5152	Report room	Lockers	1	always been lockers or report room	visual inspection, real estate
6007	Latrine	Bath	1	always been latrine	visual inspection, real estate
6010	Latrine	Bath	1	always been latrine	visual inspection, real estate
6012	OB secretary	Bedroom	1	always been patient room or office	visual inspection, real estate
6012A	Secretary office	Porch	1	always been office or porch	visual inspection, real estate
6014	Latrine	Bath	1	always been latrine	visual inspection, real estate
6017	Telephone room	Soiled linen	1	always been soiled linen or telephone room	visual inspection, real estate
6018	Office	Double room	1	always been bedroom or office	visual inspection, real estate
6019	Latrine	Bath	1	always been latrine	visual inspection, real estate
6020	Latrine	Bath	1	always been latrine	visual inspection, real estate
6023	Latrine	Bath	1	always been latrine	visual inspection, real estate
6024	Office	Double room	1	always been patient room or office	visual inspection, real estate
6024A	Administrative support	Porch	1	always been office or porch	visual inspection, real estate
6025	Latrine	Bath	1	always been latrine	visual inspection, real estate
6026B	Break room	Porch	1	always been break room or porch	visual inspection, real estate
6026	Telephone booth	telephone booth	1	always been telephone booth	visual inspection, real estate
6026A	Waiting room	Porch	1	always been waiting room or porch	visual inspection, real estate
6028	Nurse station	Nurse station	1	always been nurse station	visual inspection, real estate
6030	Latrine	Toilet	1	always been latrine	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
6031	APG office	Corridor	1	always been office or corridor	visual inspection, real estate
6033	Conference room	Serving kitchen	1	always been serving kitchen and conference room	visual inspection, real estate
6035	Office	Bedroom	1	always been patient room or office	visual inspection, real estate
6036	Latrine	Bath	1	always been latrine	visual inspection, real estate
6039	Office	Bedroom	1	always been patient room or office	visual inspection, real estate
6040	Latrine	Bath	1	always been latrine	visual inspection, real estate
6041	Administration office	Bedroom	1	always been patient room or office	visual inspection, real estate
6042	Office	Bedroom	1	always been patient room or office	visual inspection, real estate
6043	Latrine	Bath	1	always been latrine	visual inspection, real estate
6045	Staff room	Bedroom	1	always been patient room or office	visual inspection, real estate
6046	Latrine	Bath	1	always been latrine	visual inspection, real estate
6049	Latrine	Bath	1	always been latrine	visual inspection, real estate
6051	Latrine	Men's toilet	1	always been latrine	visual inspection, real estate
6052	Recovery area	Double room	1	always been patient room	visual inspection, real estate
6052A	Recovery area	Porch	1	always been patient room or porch	visual inspection, real estate
6054	Latrine	Bath	1	always been latrine	visual inspection, real estate
6057	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
6059	Latrine	Bath	1	always been latrine	visual inspection, real estate
6060	Clean linen	Linen	1	always been linen	visual inspection, real estate
6070	Nurse station	Nurse station	1	always been a nurse station	visual inspection, real estate
6071	Latrine	Bath	1	always been a latrine	visual inspection, real estate
6077A	Patient room	Laundry	1	always been patient room or laundry	visual inspection, real estate
6081A	Physician room	Serving kitchen	1	always been physician room or serving kitchen	visual inspection, real estate
6081B	Latrine	Ante room	1	always been latrine or ante room	visual inspection, real estate
6085	Latrine	Bath	1	always been latrine	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
6086	Office	Bedroom	1	always been patient room or office	visual inspection, real estate
6087	Latrine	Bath	1	always been latrine	visual inspection, real estate
6089	Soiled linen	Soiled linen	1	always been soiled linen	visual inspection, real estate
6090A	Ultrasound room	Porch	1	always been porch or ultrasound room	visual inspection, real estate
6090	Office	Double room	1	always been patient room	visual inspection, real estate
6094	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
6095	Latrine	Women's toilet	1	always been latrine	visual inspection, real estate
6096	Latrine	Bath	1	always been latrine	visual inspection, real estate
6097	Double room	Double room	1	always been patient room	visual inspection, real estate
6099	Latrine	Bath	1	always been latrine	visual inspection, real estate
6100	Office	Bedroom	1	always been patient room or office	visual inspection, real estate
6101	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
6102	Latrine	Bath	1	always been latrine	visual inspection, real estate
6103	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
6104	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
6105	Latrine	Bath	1	always been latrine	visual inspection, real estate
6106	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
6109	Latrine	Bath	1	always been latrine	visual inspection, real estate
6110	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
6111A	Food preparation	Serving kitchen	1	always been kitchen	visual inspection, real estate
6112B	Nursing supervisor	Serving kitchen	1	always been either a room or kitchen	visual inspection, real estate
6112A	Office	Serving kitchen	1	always been either a room or kitchen	visual inspection, real estate
6114	Report room	Corridor	1	always been corridor or office	visual inspection, real estate
6117	Nurse station	Nurse station	1	always been nurse station	visual inspection, real estate
6118	Office	Linen storage	1	always been room or linen storage	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
6118A	Patient room	Porch	1	always been patient room or porch	visual inspection, real estate
6119	Telephone booth	Telephone booth	1	always been telephone booth	visual inspection, real estate
6120	Latrine	Bath	1	always been latrine	visual inspection, real estate
6121	Patient room	Double room	1	always been patient room	visual inspection, real estate
6121A	Patient room	Porch	1	always been patient room or porch	visual inspection, real estate
6122	Latrine	Bath	1	always been latrine	visual inspection, real estate
6123	Patient room	Double room	1	always been patient room	visual inspection, real estate
6124	Patient room	Double room	1	always been patient room	visual inspection, real estate
6125	Latrine	Bath	1	always been latrine	visual inspection, real estate
6128	Soiled linen	Soiled linen	1	always been soiled linen	visual inspection, real estate
6130A	Newborn nursery	Bedroom	1	always been patient room	visual inspection, real estate
6130C	Administrative support	Bedroom	1	always been patient room or office	visual inspection, real estate
6130B	Observation room	Double room	1	always been patient room	visual inspection, real estate
6131	Changing room	Bedroom	1	always been patient room	visual inspection, real estate
6132	Latrine	Bath	1	always been latrine	visual inspection, real estate
6133	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
6134	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
6135	Office	Bedroom	1	always been bedroom or office	visual inspection, real estate
6136	Staff office	Bedroom	1	always been bedroom or office	visual inspection, real estate
7000	Copier room	Linen room	1	historically used as linen and copier room	visual inspection, real estate
7002	NCOIC Office	Double room	1	historically office and patient room	visual inspection, real estate
7003	Latrine	Latrine	1	always been a latrine	visual inspection, real estate
7005	Reception room	Waiting room	1	always been reception area	visual inspection, real estate
7007A	Patient room	Porch	1	historically porch and patient room	visual inspection, real estate
7007	Patient room	Bedroom	1	always been a patient room	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
7008	Latrine	Latrine	1	always been latrine	visual inspection, real estate
7009	Sleep room	Bedroom	1	always been patient room	visual inspection, real estate
7010A	Patient room	Porch	1	historically porch and patient room	visual inspection, real estate
7010	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7011	Latrine	Bath	1	always been latrine	visual inspection, real estate
7013	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7013A	Patient room	Porch	1	historically porch and patient room	visual inspection, real estate
7014	Latrine	Bath	1	always been latrine	visual inspection, real estate
7015	Linen storage	Corridor	1	historically been linen storage and corridor	visual inspection, real estate
7018	Latrine	Bath	1	always been latrine	visual inspection, real estate
7019	Doctor office	Day room	1	always been office	visual inspection, real estate
7020	Linen chute	Linen chute	1	always been linen chute	visual inspection, real estate
7023	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7024	Latrine	Bath	1	always been latrine	visual inspection, real estate
7025	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7026	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7027	Latrine	Bath	1	always been latrine	visual inspection, real estate
7028	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7029	Urology office	Bedroom	1	always been patient room or office	visual inspection, real estate
7030	Latrine	Bath	1	always been latrine	visual inspection, real estate
7032	Office	Double room	1	always been patient room or office	visual inspection, real estate
7033	Latrine	Bath	1	always been latrine	visual inspection, real estate
7035	Latrine	Men's toilet	1	always been latrine	visual inspection, real estate
7047	Latrine	Bath	1	always been latrine	visual inspection, real estate
7048	Office	Double room	1	always been patient room or office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
7049	Latrine	Bath	1	always been latrine	visual inspection, real estate
7051	Office	Bedroom	1	always been patient room	visual inspection, real estate
7052	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7053	Latrine	Bath	1	always been latrine	visual inspection, real estate
7054	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7055	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7056	Latrine	Bath	1	always been latrine	visual inspection, real estate
7057	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7060	Linen chute	Linen chute	1	always been linen chute	visual inspection, real estate
7061	Doctor's office	Day room	1	always been day room or office	visual inspection, real estate
7063	Latrine	Bath	1	always been latrine	visual inspection, real estate
7064	Clean linen	Corridor	1	always been linen storage or corridor	visual inspection, real estate
7065	Closet	Closet	1	always been patient room closet	visual inspection, real estate
7066	Latrine	Bath	1	always been latrine	visual inspection, real estate
7066A	Patient room	Porch	1	always been patient room or porch	visual inspection, real estate
7067	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7068A	Patient room	Porch	1	always been patient room or porch	visual inspection, real estate
7069	Latrine	Bath	1	always been latrine	visual inspection, real estate
7070	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7071A	Patient room	Porch	1	always been patient room or porch	visual inspection, real estate
7072	Latrine	Bath	1	always been latrine	visual inspection, real estate
7073	Patient room	Bedroom	1	always been patient room	visual inspection, real estate
7074	Cardio room	Double room	1	always been patient room	visual inspection, real estate
7075	Latrine	Bath	1	always been latrine	visual inspection, real estate
7076	Secretary	Double room	1	always been patient room or office	visual inspection, real estate

TABLE 5.1 (Continued)
ROOMS IDENTIFIED AS CATEGORY ONE
SITE-SPECIFIC ENVIRONMENTAL BASELINE SURVEY
BUILDING NO. 500
U.S. ARMY GARRISON, FITZSIMONS

Room Number	Current Use	Past Use	Category	Basis	Source
7079	Report room	Office	1	always been office	visual inspection, real estate
8001A	Latrine	Latrine	1	always been latrine	visual inspection, real estate
8001	Office	Double room	1	always been patient room	real estate
8002	Administration office	Administration office	1	always been administration	visual inspection, real estate
8002A	Latrine	Latrine	1	always been latrine	visual inspection, real estate
8004	Office	room/duct space	1	always been office/space	visual inspection/real estate
8004A	Latrine	Latrine	1	always been latrine	visual inspection, real estate
8006	Office	Serving room	1	historically room and serving room	visual inspection/real estate
8007A	Stage	Stage	1	always been stage	visual inspection, real estate
8007	Bushnell Auditorium	Assembly room	1	always been a theater	visual inspection/real estate
8007D	Dressing room	Dressing room	1	always been dressing room	visual inspection, real estate
8007C	Dressing room	Dressing room	1	always been dressing room	visual inspection, real estate
8007B	Dressing room	Dressing room	1	always been dressing room	visual inspection, real estate
8008	Latrine	Latrine	1	always been latrine	visual inspection/real estate
8009	Duct space	Room/duct space	1	always been room	real estate
8009A	Latrine	Latrine	1	always been latrine	visual inspection, real estate
8010	Administration	Office	1	always been room	real estate
8010A	Latrine	Latrine	1	always been latrine	visual inspection, real estate
8011	File room	Linen closet	1	always been linen closet and file room	visual inspection, real estate
8012A	Latrine	Latrine	1	always been latrine	visual inspection, real estate
8012	Nursing	Double room	1	historically patient room and nursing room	real estate
8013	Office	Office	1	always been office	real estate

Environmental factors at Building No. 500 have been reviewed by the BRAC Environmental Coordinator (BEC), DPW, and the RPO. Those areas identified as not being available for lease because of potential or documented historical environmental problems or current use have been identified as Category 7.

Application of the environmental categories resulted in the following guidelines.

- Patient rooms and latrines that have always been patient rooms and latrines are identified as Category 1, because of the small amount of chemicals used in patient rooms and latrines and the lack of opportunity for release.
- Administrative offices that have always been administrative offices are identified as Category 1, because of the lack of chemical use in these areas.
- Laundry chutes and kitchens are identified as Category 1, because of the lack of chemical use in these locations.
- Examination and treatment rooms, clinics, and operating rooms are identified as Category 2, because of the consistent use of chemicals in cleaning and treatment processes.
- Pharmacies, medication rooms, and sterilization rooms are identified as Category 2, because of the consistent historical use of chemicals.
- Supply rooms, janitor closets, and utility rooms are identified as Category 2, because of the consistent storage and use of cleaning supplies.
- Mechanical rooms are identified as Category 2, because of maintenance of equipment using oils, greases, and solvents.

Due to the historical disposal of hazardous substances and radionuclides to the sanitary sewer system, the piping systems in Building No. 500 are considered suspect. A restriction will be included in the lease pertaining to remodeling of the piping system. Prior to the transfer of Building No. 500, the piping system should be investigated and addressed.

In addition, a concurrent identification and screening process was undertaken for non-CERCLA environmental issues, particularly asbestos, lead-based paint, radon, radionuclides, and PCBs. The discussion below addresses the results of the findings for these non-CERCLA issues.

A discussion of the results of the SSEBS organized by building floor number from the top, ninth floor, to the basement is presented below. The information from the EBS have been combined with the CERFA maps, as presented in Appendix A.

5.1 NINTH FLOOR

The entire ninth floor (approximately 3,265 gross square feet) is classified as Category 2. Visual inspection revealed that the ninth floor has always been a maintenance support area

used to maintain the elevators, communications equipment, fire system, and heating and ventilation equipment. Visual inspection and record search indicated that small amounts of chemicals and oils and greases have been used on the ninth floor for maintenance purposes. However, there are no indications of staining or records of spills for the ninth floor.

5.2 EIGHTH FLOOR

The eighth floor (approximately 7,762 gross square feet) is identified as a Category 1 with the exception of Rooms 8000, 8003, 8003A, and 8005, which are Category 2. Visual inspection revealed that the eighth floor is currently used for administrative purposes. The 1938 construction drawings and interviews with Fitzsimons personnel indicated that the eighth floor has historically been used for administration. However, some items, such as electrical panels, indicate that several of the administrative offices were formerly used for patient rooms. Those rooms which were administrative and patient rooms were identified as Category 1. Review of the 1938 construction drawings indicated that Room 8000 was designed to be an examination and treatment room. Rooms 8003 and 8003A have always been supply closets and Room 8005 is currently a janitor's closet. Because these functions have the potential for the storage and use of chemicals, they are Category 2.

5.3 SEVENTH FLOOR

The seventh floor includes rooms identified as Categories 1, 2, and 7. The seventh floor totals approximately 31,517 gross square feet including the terraces and the stairwells.

The Category 1 rooms include patient rooms, latrines, offices, and linen chutes.

The rooms identified as Category 2 because of their potential for storage or use of chemicals are presented in Table 5.2 below.

TABLE 5.2
Category 2 Rooms
Seventh Floor

Current Use	Past Use	Room Number
Secretary office	Examination and treatment	7001
Urology	Double room	7004
Supply room	Storage	7006
Urology	Bedroom	7012
Janitor closet	Janitor's room	7017
Mechanical room	Elevator machinery	7021
Utility room	Utility room	7022
Store room	Storage	7031
Wire closet	Janitor's room	7034
Closet	Storage	7050
Soiled room	Utility room	7058
Mechanical room	Elevator machinery	7059

TABLE 5.2 (Continued)
Category 2 Rooms
Seventh Floor

Current Use	Past Use	Room Number
Janitor closet	Janitor's closet	7062
Treatment room	Bedroom	7068
Supply closet	Bedroom	7071
Nurse station	Storage/nurse station	7078

The north wing of the seventh floor is composed of the urology clinic, which has been removed from consideration for lease by the BEC because of chemical activities that have occurred in the area. The urology lab, sterilizing room, fluoroscopy room, and pnuemo-operating room (7N Rooms 7036 through 7046) were housed in this wing. Lead-lined doors were installed in Room 7046 in 1967 indicating the potential use of radionuclides in the room. Therefore, this room is also identified as Category 7.

5.4 SIXTH FLOOR

The sixth floor includes rooms identified as Categories 1, 2, and 7. The sixth floor totals approximately 33,445 gross square feet.

The Category 1 rooms include patient rooms, latrines, offices, break and waiting rooms, nurses stations, telephone booths, linen rooms, and food preparation rooms.

The rooms identified as Category 2 because of their potential for storage or use of chemicals are presented in Table 5.3 below.

TABLE 5.3
Category 2 Rooms
Sixth Floor

Current Use	Past Use	Room Number
OB/GYN	Clerks and records	6000
Exam room	Examination and treatment	6001
Exam room	Office	6002
Latrine	Toilet/utility room	6003
Exam room	Examination and treatment	6004
Exam room	Waiting space	6005
Exam room	Bedroom	6006
Exam room	Porch	6006A
Exam room	Bedroom	6008
Exam room	Bedroom	6009
Exam room	Porch	6009A

TABLE 5.3 (Continued)
Category 2 Rooms
Sixth Floor

Current Use	Past Use	Room Number
Exam room	Bedroom	6011
Store room	Corridor	6013
Utility room	Janitor room	6016
Store room	Porch	6019A
Nuerosurgery room	Double room	6022
Store room	Linen	6027
Medication room	Ward office	6029
Appointments	Examination and treatment	6032
Store room	Closet	6034
Closet	Closet	6037
Utility room	Utility room	6038
Anatheses room	Bedroom	6044
Store room	Closet	6047
Utility room	Janitor room	6050
Store room	Closet	6053
Closet	Closet	6055
Treatment room	Ward office	6056
Closet	Closet	6058
Delivery room	Double room	6061
Contaminated trash	Bath	6065
Utility room	Double room	6066
File room	Labor room	6067
Operating room	Delivery room	6068
Supply room	Supply room	6069
Utility room	Sterilizer	6072
Labor room	Work room/sterilizing room	6074
Utility/store room	Utility room	6075A
Store room	Corridor	6075B
Staff lounge	Supplies	6076
Latrine	Utility room	6077B
Supply room	Baby's bath	6078
Emergency room	Nursery	6079
Storage	Ante room	6080
Labor/delivery room	Double room	6082
Closet	Closet	6083

TABLE 5.3 (Continued)
Category 2 Rooms
Sixth Floor

Current Use	Past Use	Room Number
Mechanical room	did not exist	6083A
Closet	Closet	6084
Utility room	Janitor's room	6088
Storage	Bath	6091
Closet	Closet	6092
Closet	Closet	6093
OB/GYN	Porch	6094A
Storage	Closet	6098
Utility room	Utility room	6107
Janitor closet	Closet	6108
Latrine	Closet	6111B
Office	Examination and treatment	6113
Storage room	Bath	6115
Medication room	Ward office	6116
Supply room	Double room	6126
Utility room	Bath	6127
Vestibule	Janitor closet	6129
Exam room	Examination and treatment	6140
Latrine	Toilet and utility room	6141
Exam room	Waiting space	6142
Exam room	Office	6143
Exam room	Examination and treatment	6144

Room 6021 has been removed from consideration for lease by the BEC because of radionuclide activities that have occurred in the room. Therefore, Room 6021 has been identified as Category 7.

5.5 FIFTH FLOOR

The fifth floor includes rooms identified as Categories 1 and 2. The fifth floor totals approximately 47,035 gross square feet.

The Category 1 rooms include patient rooms, latrines, offices, break and waiting rooms, nurses stations, linen rooms, and food preparation rooms.

The rooms identified as Category 2 because of their potential for storage or use of chemicals are presented in Table 5.4 below.

TABLE 5.4
Category 2 Rooms
Fifth Floor

Current Use	Past Use	Room Number
Doctor office	Orthopedic dressing	5000B
Doctor office	Utility	5001
Doctor office	Sterilizing room	5002
Supply room	Sterilizers	5003
Support	Portable x-ray and splints	5004
Doctor office	Examination and treatment	5005
Store room	Fracture room	5006
Office	Fracture room	5007A
Library	Porch	5008
Patient room	Bedroom/Janitor closet/Bath	5013
Storage room	Double room/litter/bedscreens	5021
Soiled utility	Supplies	5022
Janitor closet	Supplies	5025
Store room	Utility room	5033
Latrine	Utility room	5046
Clean linen	Utility room	5047
Medicine/clean utility	Ward office	5050
Office	Examination and treatment/serving kitchen	5051
Orthopedic room	Bedroom/bath	5063
Electric room	Janitor closet	5065
Janitor closet	Intravenous therapy	5066A
Conference room	Porch/intravenous therapy/sterilizing and utility	5067A
Storage	Intravenous therapy	5067C
Utility room	Soiled linen	5068
Operating room	Ward	5071
Substerile	Ward	5071B
Operating room	Ward	5073
Clean/storage substerile	Locker room	5073B
Office	Closet	5074
Office	Fever therapy	5075
Office	Fever therapy	5076

TABLE 5.4 (Continued)
Category 2 Rooms
Fifth Floor

Current Use	Past Use	Room Number
Office	Fever therapy	5077
Latrine	Utility room	5077A
Office	Fever therapy	5078
Storage	Fever therapy	5079
Closet	Ward	5082
Exam room	Ward	5084
Surgery	Bath	5085
Store room	Janitor closet	5086
Exam room	Ward	5087
Exam room	Ward	5088A
Mechanical room	Did not exist	5089
Exam room	Ward	5090
Office	Cystoscopy/chief of urological section/treatment	5091B
Surgical storage	Double bedroom	5093
Sterilizer	Utility closet	5096
Store room	Serving kitchen	5107
Break room	Examination and treatment	5109
Store room	Closet	5110
Medication room	Ward office	5112
Utility room	Utility room	5115
Treatment room	Ward	5118
Store room	Porch	5121
Utility room	Utility room	5122
Store room	Supplies	5128
Store room	Supplies	5129
Store room	Litters and bedscreens	5130
Janitor closet	Janitor closet	5139
Closet	Closet	5144A
Lab	Waiting space	5153
Supply room	Orthopedic dressing	5154
Office	Orthopedic dressing	5155
Office	Orthopedic dressing	5156

5.6 FOURTH FLOOR

The fourth floor includes rooms identified as Categories 1, 2 and 7. The fourth floor totals approximately 53,631 gross square feet.

The Category 1 rooms include patient rooms, latrines, offices, break and waiting rooms, nurses stations, linen rooms, and food preparation rooms.

The rooms identified as Category 2 because of their potential for storage or use of chemicals are presented in Table 5.5 below.

TABLE 5.5
Category 2 Rooms
Fourth Floor

Current Use	Past Use	Room Number
Administrative office	Surgical dressing room	4000
Waiting room	Surgical dressing room	4001
Store room	Utility room	4002
Profusion room	Work room	4003
MICU	Bedrooms/janitor closet	4005
Janitor closet	Double room	4008
MICU storage	Double room	4009
CCU	Utility room	4012
Storage	Corridor	4016
Medicine preparation	Corridor	4023A
Medication room	Ward	4033
Soiled utility	Utility room	4038
Storage	Toilet	4040
Office	Utility room	4049
Gurney/wheel-chair storage	Examination and treatment	4053
Frozen section room	Bedroom	4077
Office	Bedroom/utility closet	4080
Linen store room	Examining room/chief of surgical service/wait room	4085
Store room	Clerk/records	4086
Medical supply	Medical supply	4088
Medical supply	Vault	4089

TABLE 5.5 (Continued)
Category 2 Rooms
Fourth Floor

Current Use	Past Use	Room Number
Operating room 7	Lockers/lounge	4090
Utility room	Toilet	4091
Utility room	Bath	4092
Operating room 6	Special Emergency room	4093
Store room	Anesthesia room	4094
Operating room 5	Operating room	4095
Store room	Sterilizing room	4096
Utility room	Sterilizers	4097
Autoclave room	Sterilizing room	4098
Utility room	Utility room	4099
Scrub room	Washup room	4100
Store room	Equipment room	4101
Utility room	Utility room	4102
Operating room 4	Operating room	4103
Operating room 3	Anesthesia room	4104
Operating room 5	Operating room	4105
Utility room	Utility room	4106
Store room	Sterilizing room	4107
Autoclave room	Sterilizing room	4108
Utility room	Sterilizers	4109
Scrub room	Washup room	4110
Utility room	Utility room	4111
Operating room 1	Operating room	4112
Store room	Anesthesia room	4113
Operating room 8	Nurse's work room	4114A
Store room	Nurse's work room	4114B
Supply room	Supply room/instrument room	4115
Utility room	Nurse's work room	4116
Store room	Sterilizing room	4117
Janitor closet	Janitor closet	4118
Mechanical room	Did not exist	4118A
Utility room	Soiled linen	4119
Store room	Supply room	4121
Store room	Utility closet	4125

TABLE 5.5 (Continued)
Category 2 Rooms
Fourth Floor

Current Use	Past Use	Room Number
Store room	Closet	4138
Office	Examination and treatment	4139
Kitchen	Closet	4141
Medicine room	Ward office	4142
Utility room	Utility room	4145
Medicine room	Ward	4146A
Closet	Porch	4151
Janitor closet	Utility room	4152
Supply closet	Supplies	4158
Store room	Litters and bedscreens	4160
Supply closet	Closet	4170
Utility room	Utility room	4175
Pre operation exam room	Double room	4178
Janitor closet	Janitor closet	4181
Closet	Closet	4182
Closet	Closet	4183
Equipment storage	Porch	4185A
Equipment storage	Bedroom	4186
Anatheses or supply	Bedroom	4189
Equipment storage	Porch	4189A
Office	Examination room	4196

According to the radiation therapy records, Room 4176 was formerly used for patient treatments with Cs-137. Therefore, this room is identified as Category 7.

5.7 THIRD FLOOR

The third floor includes rooms identified as Categories 1, 2 and 7. The third floor totals approximately 62,056 gross square feet including the terraces and stairwells.

The Category 1 rooms include patient rooms, latrines, offices, break and waiting rooms, nurses stations, telephone booths, linen rooms, and food preparation rooms.

The rooms identified as Category 2 because of their potential for storage or use of chemicals are presented in Table 5.6 below.

TABLE 5.6
Category 2 Rooms
Third Floor

Current Use	Past Use	Room Number
Office	Utility room	3000
Office	Sterilizing room	3001
Office	Sterilizers	3002
Office	Pus-pneumo operating room	3003
Latrine	Pus-pneumo operating room	3004
Janitor closet	Closet	3013
Patient room	Porch/bath/janitor closet	3015
Latrine	Utility room	3024
Janitor closet	Bath	3033A
Storage	Double room	3034
Medication	Telephone booth	3040
latrine	Utility room	3046
Storage	Dayroom	3046B
Storage	Dayroom	3046C
Latrine	Utility room	3047B
Endoscopy	Ward	3052
Examination/treatment room	Ward	3053
Soiled room	Utility room	3054
IV storage	Linen	3055
Dressing room	Closet	3058
Mechanical room	Examination and treatment/serving kitchen/corridor	3060
Electric room	Utility closet	3074
Electric room	Janitor closet	3077
Reception room	Double room/utility closet	3137
Mechanical room	Did not exist	3141
Mechanical room	Serving kitchen/examination and treatment	3151
Storage	Nurse station	3157
Bathroom	Utility room	3158
Exam room	Utility room	3159
Janitor closet	Ward	3161B
Storage room	Ward	3162B
Storage	Utility room	3165

TABLE 5.6 (Continued)
Category 2 Rooms
Third Floor

Current Use	Past Use	Room Number
Latrine	Utility room	3166
Chart room	Supply room	3172
Medication	Porch	3174
Janitor closet	Utility room	3189
Latrine	Janitor closet/bath	3195
Lounge	Fluoroscopy room	3207
Office	Clean pneumo operating room	3208
Office	Utility room	3209

The north wing of the third floor (3N Rooms 3079 through 3135) has been removed from consideration for lease by the BEC, because of the x-ray and radionuclide storage activities that have occurred in the wing. X-rays require fixer and developer which are considered hazardous substances. Verbal interviews indicated that fixer and developer spills have occurred in this area. Rooms 3116, 3117, 3118, 3118A, and 3118B formerly stored sealed sources of radionuclides. Room 3183 formerly was used for treatments with I-131. Consequently, the north wing and Room 3183 have been identified as Category 7.

5.8 SECOND FLOOR

The second floor includes rooms identified as Categories 1, 2, and 7. The second floor totals approximately 55,085 gross square feet.

The Category 1 rooms include patient rooms, latrines, offices, break and waiting rooms, and linen rooms.

The rooms identified as Category 2 because of their potential for storage or use of chemicals are presented in table 5.7 below.

TABLE 5.7
Category 2 Rooms
Second Floor

Current Use	Past Use	Room Number
Office	Examination room	2002
Electrical Room	Janitor closet	2092
Mechanical room	Did not exist	2125A
Electrical Room	Closet	2142
Mech/Elect. Room	Serving kitchen/Examination and treatment	2143

TABLE 5.7 (Continued)
Category 2 Rooms
Second Floor

Current Use	Past Use	Room Number
Medication Room	Ward office	2147
Oxygen Room	Closet	2176
Utility Room	Utility room	2180
Supply Room	Double room	2181
Storage	Porch	2183
Treatment Room	Double room	2184
Supply closet	Double room	2184A
Supply Closet	Bath	2185
Janitor closet	Janitor closet	2187
Supply Room	Porch	2194
Medicine	Chief of medical service	2197
Office	Examining room	2200S
Office	Utility room	2200W
Exam Room	Assist. Chief of medical service	2201S
Coumadin Clinic	Ward	2201W
Supply Room	Assist Chief of medical service	2202S
Exam Room	Ward	2207
Exam Room	Ward	2209
Storage	Utility room	2213
Clinic	Ward	2223
Office	Supplies	2228

The north wing (2N Rooms 2094 through 2126) and the east wing (2E Rooms 2005 through 2090) of the second floor have been removed from consideration for lease by the BEC because of the pathology activities and the spills, respectively, that have occurred in these wings. Rooms 2031, 2202W, 2058, 2059 and 2173 may have formerly used or stored radionuclides. Therefore, the north and east wings, and Room 2202W have been identified as Category 7.

5.9 FIRST FLOOR

The first floor includes rooms identified as Categories 1, 2, and 7. The first floor totals approximately 71,887 gross square feet.

The Category 1 rooms include patient rooms, latrines, offices, break and waiting rooms, and linen rooms.

The rooms identified as Category 2 because of their potential for storage or use of chemicals are presented in Table 5.8 below.

TABLE 5.8
Category 2 Rooms
First Floor

Current Use	Past Use	Room Number
Closet	Janitor room	1014
Closet	Soiled linen	1015
Closet	Soiled linen	1016
Storage	Porch	1018
Supply Closet	Duct space	1019C
Oxygen Room	Utility room	1020
Latrine Shower	Utility room	1021B
Closet	Bath	1022
Office	Supplies	1035
Storage Room	Supplies	1036
Office	Utility room	1051A
Clinic	Bedroom	1055A
Treatment Room	Bedroom/closet	1064A
Office	Utility room	1065
Med Room	Ward office	1071
Mechanical Room	Serving kitchen	1075
Utility Room	Janitor closet	1087
Mechanical Room	Did not exist	1105B
Opthomology - Room	Serving kitchen	1114A
Opthomology - Room	Serving kitchen	1114B
Opthomology	Serving kitchen	1115
Office	GI Laboratory	1116
Janitor Closet	Toilet	1117
Office	Examination room	1118
Office	Examining Room/passage	1123
Office	Dental operating room	1125
Office	Dental operating room	1126
Office	Dental operating room	1127
Office	Dental operating room	1129
Office	Dental operating room	1130

TABLE 5.8 (Continued)
Category 2 Rooms
First Floor

Current Use	Past Use	Room Number
Exam Room	Dental operating room	1131
Wet Lab	Hallway	1135
Office	Dental laboratory	1137
Copy Room	Operating room	1138
Reception Room	Operating room	1139
Exam Room	Operating room	1140A
Exam Room	Operating room	1140B
Latrine	Janitor Closet	1141
Office	Janitor closet	1143
Reuse Room	Darkroom	1145
Mechanical Room	Office/Toilet	1156
Plethysmography	Office	1157
Mechanical room	Did not exist	1158
Clinic	Office	1160
Spirometry Room	Corridor	1161
Latrine	Sterilizing	1162
Sleep Instrumentation	Washup	1164
Sleep Room	Eye, Ear, Nose, Throat operating room	1165
Admin Support	Audiometer, Darkroom, and Refraction room	1166
System Manager	Refraction room	1167
Supply Room	Linen and supplies	1172
Supply Room	Linen and supplies	1173
Reception	Darkroom/Electrocardiograph/office	1178
X-ray	Record room	1184B
Darkroom	Soiled linen	1184C
Operating Room	Janitor room	1185A
Operating Room	Record office	1185B
Operating Room	Record office	1185C
Lab	Records room	1187
Wire locker	Supplies	1189B

The north wing (1N Rooms 1088A through 1107C) and a portion of the west wing (1W Rooms 1120, 1142, 1144, and 1147 through 1154) of the first floor have been removed from

consideration for lease by the BEC because a lease is not being considered for the north wing, and the west wing may have historically experienced chemical and radionuclide use. Therefore, the north and a portion of the west wings have been identified as Category 7. Review of real estate records for maintenance activities indicated that lead-lined doors were installed in Room 1013 indicating the potential use of radionuclides. Interviews with Fitzsimons personnel indicated that Rooms 1024, 1024A, 1024B and 1034A, 1034B and 1034C also have a history of radionuclide use. Review of nuclear cardiology records indicates that Room 1074 was used for radionuclides. In 1967, lead-lined doors were installed in Room 1142 indicating the potential use of radionuclides. Therefore, these rooms were also identified as Category 7.

5.10 GROUND FLOOR

The ground floor includes rooms identified as Categories 1, 2, and 7. The ground floor totals approximately 72,745 gross square feet.

The Category 1 rooms include patient rooms, latrines, offices, break and waiting rooms, and linen rooms.

The rooms identified as Category 2 because of their potential for storage or use of chemicals are presented in Table 5.9 below.

TABLE 5.9
Category 2 Rooms
Ground Floor

Current Use	Past Use	Room Number
Suture room	General library	100
Exam room	General library	101
Suture room	General library	102
Exam room	General library	103
Exam room	General library	104
Patient room	Corridor/janitor closet	13
Office	Carbon Arc Lamp Room	17
Office	Carbon Arc Lamp Room	18
Store room	Porch	18A
Vestibule	Carbon Arc Lamp Room	19
Exercise room	Rhythmic Suction/Colonic Irrigation/Toilet	20
Latrine	Workroom	21
Janitor closet	Physiotherapy office	22
Store room	Store room	23A
Pediatric room	Diathermy room	24
Conference room	Diathermy room	25

TABLE 5.9 (Continued)
Category 2 Rooms
Ground Floor

Current Use	Past Use	Room Number
Latrine	Light Treatment room	26
Computer room	Light Treatment room	27
Dark room	Hubbard Bath	29
Pharmacy storage	Toilet	40
IV Lab	Toilet	42
IV Lab	Toilet	43
Inpatient pharmacy	Rest rm/switchboard/terminal rm/radio rm/barber sh	44
Pharmacy	Corridor	47
Chiller plant	did not exist	4W
Janitor closet	Janitor closet	5
Pharmacy vault	Vault	56B
Clinic	Stockroom	58
Exam room	Stockroom	59
Exam room	Pharmacy	60
Office	Pharmacy	61
Mechanical room	Pharmacy	62
Medevac storage	Sterilizing room	64
Medevac office	Emergency room	65
Mechanical room	Receiving office/waiting room	66
Janitor closet	Dressing room	78
Office	Supply room	81
Office	Leather work room	82
Mechanical room	Did not exist	82A
Mechanical room	Closet	84
Office	Reed and wood work room	87
Patient transport	Reed and wood work room	88
Office	Weaving and loom room	89
Conference room	Weaving and loom room	90
Trauma room	Book binding/pottery and dying/book repair	94
Mechanical room	Soiled linen	95
Office	Janitor's closet	96
Exam room	General library	97
Exam room	General library	99

The north wing (GN Rooms 100N through 157), a portion of the west wing (GW Rooms 67 through 79), and a portion of the east wing (GE Rooms 30 through 39) of the ground floor have been removed from consideration for lease by the BEC because the north wing has always been the morgue, where numerous spills have occurred and continuous storage of hazardous materials. The west wing has been removed from consideration due to the historical use of chemicals in Central Materials Services (CMS) and the east wing has been used for chemotherapy. Room 48A has an extensive history of chemical use. Therefore, these room have been identified as Category 7.

5.11 BASEMENT

The basement includes rooms identified as Categories 1, 2 and 7. The basement totals approximately 71,815 gross square feet including the crawlspaces.

The Category 1 rooms including BC08, BC09, and BC10 included the reception/office/hallway area that has always been identified as office space. BC16 has been a latrine and oxygen storage and BC20 has always been oxygen storage. BN05 has been a hallway and heat controls room. Visual inspection revealed no indications of staining in these areas.

The rooms identified as Category 2 include the new mechanical room (Room BC26), the contractor storage rooms (Rooms BN04, BC13) and machine room (BC27) which store industrial cleaning chemicals. Visual inspection revealed no indications of staining or spillage in these areas.

The ramainder of the rooms in the basement have been identified as Category 7 because of the historical pipe breaks that have occurred in these locations. The crawlspaces were concreted over in approximately 1991; and consequently, pipe breaks that occurred prior to 1991 may have contaminated the underlying soil. A mercury removal action was performed in 1991 in the basement. According to Fitzsimons personnel, contractors were working in the north crawlspace when a pipe break allowed mercury to spill onto the ground. The pipes were removed, consolidated and the mercury was cleaned up. The pipes and mercury were shipped offsite in three 400-pound crates. Upon completion of the removal action, the preventive medicine division declared the area to be clean.

The former transformer vault (Rooms BN14, BN15) in the basement was also identified as a Category 7 area. This room formerly stored PCB transformers prior to their offsite disposal. The mechanical rooms (Rooms BW03, BC01, BC02, BC15, BC05, BC07, BC22) supply rooms (Rooms BN16, BC11, BC12), and storage rooms (Rooms BN12, BN17, BC18, BC19, BC21) were also identified as Category 7 rooms.

5.12 NON-CERCLA ENVIRONMENTAL, HAZARDOUS, AND SAFETY ISSUES

Issues relating to non-CERCLA contaminants were identified in the SSEBS to support the development of CERFA parcels for Fitzsimons. Areas which have non-CERCLA

contaminants are available for lease, however, lease restrictions are required to prohibit intrusive remodeling activities. Non-CERCLA contaminants at Fitzsimons include asbestos, lead-based paint, PCBs, radon, and radionuclides. Additional information can be found in Section 4. A summary of the results of the SSEBS investigation for non-CERCLA issues is presented below.

5.12.1 Asbestos

Management of asbestos has historically been conducted on an as-needed basis. The majority of Building No. 500 has undergone asbestos abatement, and the majority of underground utility lines and crawlspaces have been abated.

Results of the asbestos survey indicate that every floor in Building No. 500, with the exception of the basement, revealed the presence of asbestos. The materials that consistently contained asbestos included window caulk, window glazing, older floor tiles and mastic and pipe insulation above ceilings or in pipe chases. A majority of the plaster samples did not contain asbestos, several of the samples had trace amounts of asbestos and a number of the samples revealed the presence of 1-2% asbestos (ACE, 1996a).

5.12.2 Lead-Based Paint

Results of the lead-based paint survey indicate that every floor in Building No. 500 revealed the presence of lead-based paint. Lead-based paint was consistently located on plaster walls, wood frames/sashes and stairwell stringers and risers (ACE, 1996b).

5.12.3 Polychlorinated Biphenyls

No rooms in Building No. 500 currently store PCB-contaminated transformers. The former transformer vault, Rooms BN14 and BN15, have been identified as formerly storing PCB-contaminated transformers prior to their offsite disposal. As the installation closes, medical equipment containing capacitors and transformers will be investigated. The equipment containing PCBs will be disposed of offsite.

5.12.4 Radon

Sampling for naturally occurring radon has been conducted in the basement of Building No. 500 since 1990. The results indicated an average radon concentration of 4 pCi/L in the basement of Building No. 500. The EPA-recommended action level for radon mitigation is 4 pCi/L. No mitigation is currently underway.

5.12.5 Radionuclides

In several rooms in Building No. 500, radioactive materials or wastes were used or historically stored as shown on Figures 5.1 through 5.3. Radionuclides were primarily used in these rooms for medical treatment. The majority of the non-sealed radionuclides were short-half-life isotopes, sources, and calibration standards. Most longer half-life sources were sealed. Most of these rooms have been surveyed for radionuclides, however, the areas

adjacent to or surrounding these rooms have not been surveyed for radionuclides. Fitzsimons is planning to survey the adjacent or surrounding areas for radionuclides in the future. The basement, ground floor and floors 5, 8, and 9 have no radiological concerns.

5.13 REMEDIATION EFFORTS

Remediation efforts are permanent remedies or removal actions in the event of a release of a hazardous substance. Remediation efforts conducted to date in Building No. 500 have been related to spills. As discussed above, a mercury removal action occurred in 1991 in the basement, and several small spills have occurred throughout Building No. 500. Fitzsimons and regulatory agency spill records indicate that spills of hazardous substances and petroleum products have been responded to and remediated on a timely basis.