

Survey No. HA-1850
Building E5244
Edgewood Area, Aberdeen Proving Ground
Harford County, Maryland

Maryland Comprehensive Historic Preservation Plan Data

Geographic Organization: Piedmont
Chronological/Development Period: A.D. 1930-Present
Historic Period Theme: Military

Resource Type:

Category: Building
Historic Environment: Military Installation
Historic Function(s) and Use(s): Warehouse
Known Design Source: U.S. Army Corps of Engineers

Maryland Historical Trust State Historic Sites Inventory Form



Survey No. HA-1850

Magi No.

DOE yes no

1. Name (indicate preferred name)

historic Building E5244 (Preferred)

and/or common Warehouse

2. Location

street & number Hoadley Road, Edgewood Area, Aberdeen Proving Ground ~~NA~~ not for publicationcity, town Edgewood vicinity of congressional district 2

state Maryland county Harford

3. Classification

Category	Ownership	Status	Present Use
<input type="checkbox"/> district	<input checked="" type="checkbox"/> public	<input checked="" type="checkbox"/> occupied	<input type="checkbox"/> agriculture <input type="checkbox"/> museum
<input checked="" type="checkbox"/> building(s)	<input type="checkbox"/> private	<input type="checkbox"/> unoccupied	<input type="checkbox"/> commercial <input type="checkbox"/> park
<input type="checkbox"/> structure	<input type="checkbox"/> both	<input type="checkbox"/> work in progress	<input type="checkbox"/> educational <input type="checkbox"/> private residence
<input type="checkbox"/> site	Public Acquisition	Accessible	<input type="checkbox"/> entertainment <input type="checkbox"/> religious
<input type="checkbox"/> object	<input type="checkbox"/> in process	<input type="checkbox"/> yes: restricted	<input type="checkbox"/> government <input type="checkbox"/> scientific
	<input type="checkbox"/> being considered	<input checked="" type="checkbox"/> yes: unrestricted	<input type="checkbox"/> industrial <input type="checkbox"/> transportation
	<input checked="" type="checkbox"/> not applicable	<input type="checkbox"/> no	<input type="checkbox"/> military <input type="checkbox"/> other:

4. Owner of Property (give names and mailing addresses of all owners)

name Dept. of the Army, Aberdeen Proving Ground

Works
street & number Real Estate Section, Directorate of Public telephone no.: (410) 278-7689

city, town Aberdeen Proving Ground state and zip code MD 21005-5001

5. Location of Legal Description

courthouse, registry of deeds, etc. Real Estate Section, DPW liber

street & number folio

city, town Aberdeen Proving Ground state MD

6. Representation in Existing Historical Surveys

title Historic American Engineering Record MD-47

date 1982 federal state county local

depository for survey records Library of Congress, Prints and Photographs Division

city, town Washington state DC

7. Description

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Condition		Check one	Check one	
<input type="checkbox"/> excellent	<input type="checkbox"/> deteriorated	<input type="checkbox"/> unaltered	<input checked="" type="checkbox"/> original site	
<input type="checkbox"/> good	<input type="checkbox"/> ruins	<input checked="" type="checkbox"/> altered	<input type="checkbox"/> moved	date of move _____
<input checked="" type="checkbox"/> fair	<input type="checkbox"/> unexposed			

Prepare both a summary paragraph and a general description of the resource and its various elements as it exists today.

(See Continuation Sheet)

8. Significance

Survey No. HA-1850

Period	Areas of Significance—Check and justify below			
<input type="checkbox"/> prehistoric	<input type="checkbox"/> archeology-prehistoric	<input type="checkbox"/> community planning	<input type="checkbox"/> landscape architecture	<input type="checkbox"/> religion
<input type="checkbox"/> 1400–1499	<input type="checkbox"/> archeology-historic	<input type="checkbox"/> conservation	<input type="checkbox"/> law	<input type="checkbox"/> science
<input type="checkbox"/> 1500–1599	<input type="checkbox"/> agriculture	<input type="checkbox"/> economics	<input type="checkbox"/> literature	<input type="checkbox"/> sculpture
<input type="checkbox"/> 1600–1699	<input type="checkbox"/> architecture	<input type="checkbox"/> education	<input checked="" type="checkbox"/> military	<input type="checkbox"/> social/
<input type="checkbox"/> 1700–1799	<input type="checkbox"/> art	<input type="checkbox"/> engineering	<input type="checkbox"/> music	<input type="checkbox"/> humanitarian
<input type="checkbox"/> 1800–1899	<input type="checkbox"/> commerce	<input type="checkbox"/> exploration/settlement	<input type="checkbox"/> philosophy	<input type="checkbox"/> theater
<input checked="" type="checkbox"/> 1900–	<input type="checkbox"/> communications	<input type="checkbox"/> industry	<input type="checkbox"/> politics/government	<input type="checkbox"/> transportation
		<input type="checkbox"/> invention		<input type="checkbox"/> other (specify)

Specific dates 1942 **Builder/Architect** U.S. Army Corps of Engineers

check: Applicable Criteria: A B C D
and/or

Applicable Exception: A B C D E F G

Level of Significance: national state local

Prepare both a summary paragraph of significance and a general statement of history and support.

(See Continuation Sheet)

9. Major Bibliographical References

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(See Continuation Sheet)

10. Geographical Data

Acreage of nominated property > 1 acre

Quadrangle name Edgewood, MD

Quadrangle scale 1:24000

UTM References do NOT complete UTM references

A	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Zone	Easting	Northing

B	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Zone	Easting	Northing

C	<input type="text"/>	<input type="text"/>	<input type="text"/>
---	----------------------	----------------------	----------------------

D	<input type="text"/>	<input type="text"/>	<input type="text"/>
---	----------------------	----------------------	----------------------

E	<input type="text"/>	<input type="text"/>	<input type="text"/>
---	----------------------	----------------------	----------------------

F	<input type="text"/>	<input type="text"/>	<input type="text"/>
---	----------------------	----------------------	----------------------

G	<input type="text"/>	<input type="text"/>	<input type="text"/>
---	----------------------	----------------------	----------------------

H	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Verbal boundary description and justification

(See Continuation Sheet)

List all states and counties for properties overlapping state or county boundaries

state Maryland

code

county Harford

code

state

code

county

code

11. Form Prepared By

name/title Katherine Grandine/Historian

organization R. Christopher Goodwin & Assoc., Inc.

date April 1994

street & number 337 East Third Street

telephone (301) 694-0428

city or town Frederick

state MD

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 supplement.

The survey and inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

return to: ~~Maryland Historical Trust
Shaw House
21 State Circle
Annapolis, Maryland 21401
(301) 269-2438~~

MARYLAND HISTORICAL TRUST
DHCP/DHCD
100 COMMUNITY PLACE
CROWNSVILLE, MD 21032-2023
514-7600

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Building E5244
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Harford County, Maryland

7. DESCRIPTION

Building E5244 is a general purpose warehouse located at the Edgewood Area of Aberdeen Proving Ground. It was constructed in 1942. The building is located in the industrial core near the site of the original World War I shell-filling plants, southwest of Fleming Road and east of Hoadley Road.

Building E5244 is typical of World War II permanent warehouse construction. The building is a long rectangular structure resting on a concrete slab foundation. Constructed of structural clay tile walls, the building terminates in a gable roof clad in asphalt shingles. The roof is pierced by four metal ventilators. The building has three overhead track doors located on the east wall and a smaller overhead track door located on the south gable end of the building. There are no windows. The building is utilitarian in its design and lacks stylistic references or ornamentation. Building E5244 exhibits numerous alterations to the exterior. All of the original loading docks, which once surrounded the building, have been removed. All the sliding doors on the west elevation have been infilled with concrete block.

CONTRIBUTING RESOURCE COUNT: 1

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8. SIGNIFICANCE

Summary

Building E5244 represents a common type of permanent storehouse that was constructed during World War II (Criterion A). However, the utilitarian storage facility functioned as a minor support building for the clothing impregnation plant complex that operated between 1941 and 1942 and possesses a minor association with World War II. The building is an example of a prevalent type of industrial warehouse (Criterion C). Building E5244 has been modified and does not retain sufficient integrity of design to serve as a representative example of the type, period, or method of construction (Criterion C). Due to subsequent alterations, it does not possess the qualities of significance for listing on the National Register of Historic Places.

History

Building E5244 was constructed as one of numerous storage facilities erected during World War II at Edgewood Arsenal, known today as Edgewood Area. Edgewood Area has been associated closely with chemical warfare activities since its establishment in 1918. From 1918 through 1945, the Chemical Warfare Service coordinated the development, testing, production, storage, and deployment of chemical weapons. During World War II, permanent construction at Edgewood Area was concentrated in the industrial core and surrounding warehouse complexes. The World War I-era industrial core was expanded through the addition of utilitarian buildings to support chemical weapons production during World War II; older buildings were remodeled to accommodate new technologies. Of the 259 extant permanent buildings related to the World War II historic context in Edgewood Area, half of them were constructed as storehouses.

By World War II, the World War I era shell-filling plants at Edgewood Arsenal had been dismantled, and the site was occupied by Building E5238, a clothing impregnating facility located southeast of Building E5244. The clothing impregnation process treated manufactured clothing with a chemical solvent. This solvent was intended to provide protection by reacting with chemical agents and by preventing hazardous amounts of liquid or vapor from reaching the skin. At the beginning of World War II, impregnated clothing was an important component of emergency preparedness since the role chemical weapons would play in the war was unknown. The treated clothing was stockpiled for future use, as required by the exigencies of war.

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The clothing impregnation plant in Building E5238 operated between 1941 and 1942. The plant produced approximately 3,874,918 pounds of treated clothing and was the largest of four impregnating plants that operated at Edgewood Area. Chemicals for this process were received by tanker car from an adjoining railroad spur. Associated buildings surrounded the impregnating plant and included a water-cooling tower, above-ground steel storage tanks, and numerous warehouses, including Building E5244. The warehouses were used to store chemicals used in production, pretreated clothing, and impregnated clothing prior to shipment or storage. The buildings associated with the impregnation clothing plant remain extant, but their use in the industrial process was shortlived. Building E5238 only served as an impregnation clothing plant for one year. After the plant closed in 1942, the building was converted to office space. Building E5244 later was converted to a general storage facility (U.S. Army Environmental Hygiene Agency 1989:54-58, 872).

9. MAJOR BIBLIOGRAPHIC REFERENCES

- Goodwin, R. Christopher, Katherine Grandine, Thomas W. Davis, Christopher R. Polglase, Kathryn M. Kuranda, Leo P. Hirrel, Tom Dod, Timothy Silva, S. Justine Woodard, Bethany M. Usher
1993 *Aberdeen Proving Ground Cultural Resource Management Plan*. Prepared by R. Christopher Goodwin & Associates, Inc., for Corps of Engineers, Baltimore District, Baltimore, Md. Draft Report.
- Goodwin, R. Christopher, Kathryn M. Kuranda, W. Patrick Giglio, Katherine Grandine
1994 *Architectural Survey and Assessment of Five Buildings at Aberdeen Proving Ground (APG), Aberdeen, Maryland*. Prepared for Department of the Navy, Atlantic Division, Naval Facilities Engineering Command.
- Grandine, Katherine, Irene Jackson Henry, and William R. Henry Jr.
1982 *DARCOM Historic Building Inventory: Aberdeen Proving Ground, Maryland*. Prepared by the National Park Service Historic American Buildings Survey.
- U.S. Army Environmental Hygiene Agency
1989 *RCRA Facility Assessment, Edgewood Area*. Aberdeen Proving Ground, Maryland.

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Section 9.2

ARCHIVAL SOURCES

Aberdeen Proving Ground

Directorate of Public Works. Map collections, real property records, architectural drawing archives.

Library of Congress

Prints and Photographs Division. Historic American Buildings Survey/Historic American Engineering Record.

National Archives

Records of the Office of Chief of Engineers. RG 77, Completion Reports, Aberdeen Proving Ground and Edgewood Arsenal, 1917-1943.

Records of the Office of the Quartermaster General. RG 92, Construction Division, Completion Reports, Aberdeen Proving Ground and Edgewood Arsenal, 1917-1940.

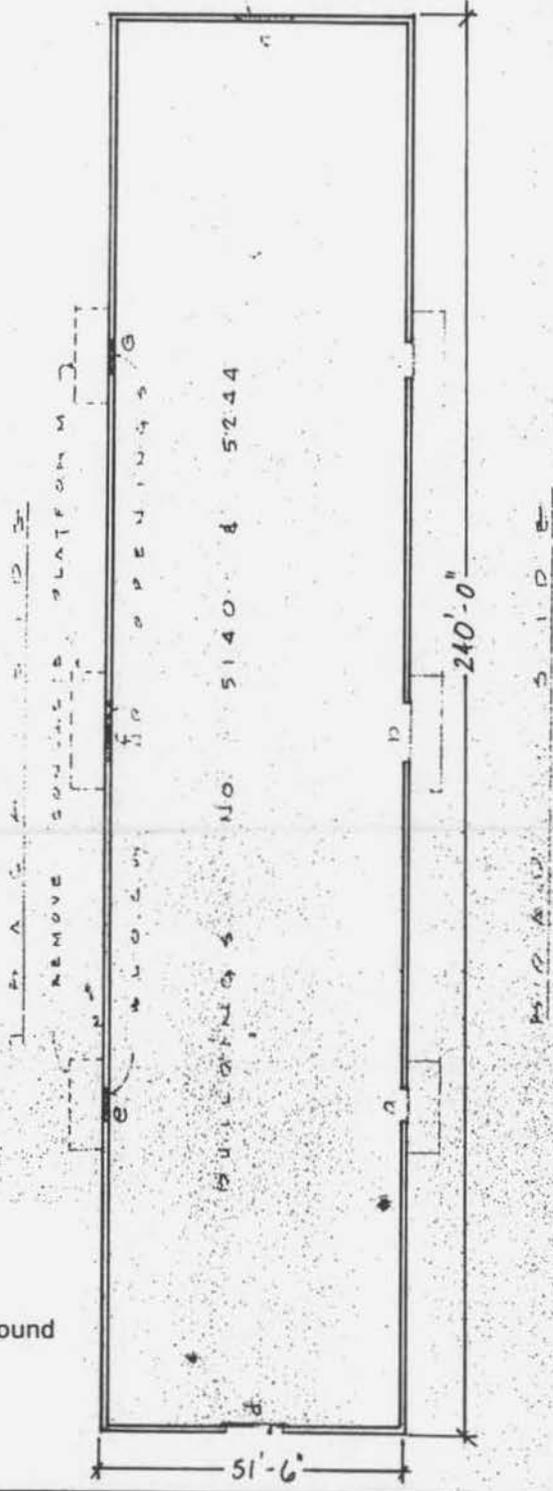
Records of the Chief of Ordnance. RG 156, Histories of Ordnance Installations, 1940-1945 (Entry 646).

Records of the Chief of Ordnance. RG 156, Ordnance Proving Grounds, 1940-1945 (Entry 646A).

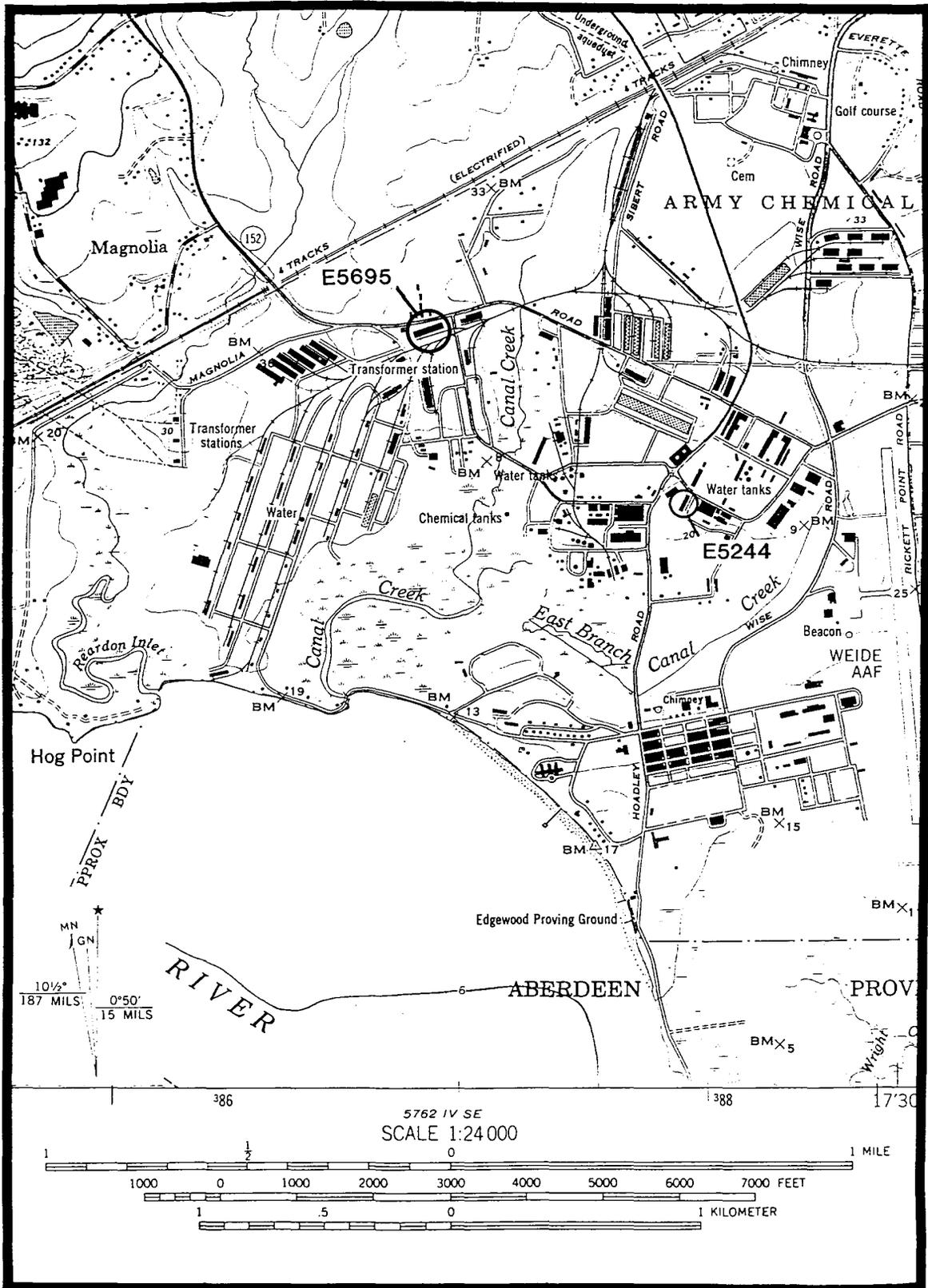
10. GEOGRAPHICAL DATA

Building E5244 is located southwest of Fleming Road and east of Hoadley Road at Edgewood Area, Aberdeen Proving Ground. The boundaries of the property are the footprint of the building and is the original placement of the structure when it was constructed in 1942.

SCALE: 1/32" = 1'-0"



HA-1850
Building E5244
Edgewood Area,
Aberdeen Proving Ground
Harford County
Plan dated 1968
Gus Fahey
First Floor



HA-1850
 Building E5244
 Edgewood Area, Aberdeen Proving Ground
 Harford County
 Edgewood Quadrangle



HA - 1950

Building E5244

Edgewood Ave., Aberdeen Proving Ground
Harford County, Maryland

Reed Macmillan

10/92

Directorate of Safety, Health and Environment, APG -
View facing east

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