

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

Property Name: NIH Buildings 11, 12, and 13 Inventory Number: M: 35-9-10
 Address: _____ Historic district: yes no
 City: Bethesda Zip Code: 20892 County: Montgomery
 USGS Quadrangle(s): Washington West
 Property Owner: National Institutes of Health Tax Account ID Number: _____
 Tax Map Parcel Number(s): _____ Tax Map Number: _____
 Project: Renovations Agency: NIH
 Agency Prepared By: NIH
 Preparer's Name: Ricardo Herring Date Prepared: 2/26/2003
 Documentation is presented in: MIHP Form
 Preparer's Eligibility Recommendation: _____ Eligibility recommended _____ Eligibility not recommended
 Criteria: A B C D Considerations: A B C D E F G
Complete if the property is a contributing or non-contributing resource to a NR district/property:
 Name of the District/Property: _____
 Inventory Number: _____ Eligible: yes Listed: yes
 Site visit by MHT Staff yes no Name: Tania Tully Date: 4/23/2003

Description of Property and Justification: *(Please attach map and photo)*
 Buildings 11 and 11a were constructed for central utility production. Completed on 1954, Building 11 has operated as NIH's central power plant since its construction. Building 11a has been demolished and replaced with a co-generator plant. Although it is a major support structure, it was utilitarian in design and when evaluated against the criteria for a national Registered property, it is found to have no unique architectural features. Furthermore, Building 11 has been altered over the years that it has very little of its original architectural character left.
 Due to its lack of integrity and its lack of historical and/or architectural significance, Building 11 has been determined not eligible for listing in the National Register.
 Building 12 was constructed as vehicle maintenance and storage facility. Completed on 1950, Building 12 has operated as NIH's vehicle maintenance and storage facility since its construction.
 Due to its lack of demonstrated historical and/or architectural significance, Building 12 has been determined not eligible for listing in the National Register.

MARYLAND HISTORICAL TRUST REVIEW	
Eligibility recommended _____	Eligibility not recommended <input checked="" type="checkbox"/>
Criteria: <u>A</u> <u>B</u> <u>C</u> <u>D</u>	Considerations: <u>A</u> <u>B</u> <u>C</u> <u>D</u> <u>E</u> <u>F</u> <u>G</u>
MHT Comments: <u>Lack of integrity.</u>	
<u>Tania Georgiou Tully</u> Reviewer, Office of Preservation Services	<u>Wednesday, April 23, 2003</u> Date
<u>[Signature]</u> Reviewer, National Register Program	<u>11/3/03</u> Date

Building 13 was constricted as a facility maintenance storage facility as well as a scientific manufacturing plant, Completed in 1952, Building 13 has operated as an NIH administrative, maintenance, and storage facility since its construction.

Due to its lack of demonstrated historical and/or architectural significance, Building 12 has been determined not eligible for listing in the National Register.

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____ Eligibility not recommended X

Criteria: A B C D Considerations: A B C D E F G

MHT Comments: Lack of integirty.

Tania Georgiou Tully
Reviewer, Office of Preservation Services

Wednesday, April 23, 2003
Date

Reviewer, National Register Program

Date

NIH Historic Resources Inventory Form

1. Name

Historic Name **NIH Power Plant**

Common Name and Building Number **NIH Power Plant and Incinerator Buildings 11 and 11A**

2. Location

Street and Number **9000 Rockville Pike**

City, Town **Bethesda**

Congressional District **8th**

State **Maryland**

County **Montgomery**

3. Classification

Category	Ownership	Status	Present use (Government)
<input type="checkbox"/> District	<input checked="" type="checkbox"/> Public	<input checked="" type="checkbox"/> Occupied	<input type="checkbox"/> Laboratory
<input checked="" type="checkbox"/> Building(s)	<input type="checkbox"/> Private	<input type="checkbox"/> Unoccupied	<input type="checkbox"/> Animal Research
<input type="checkbox"/> Structure	<input type="checkbox"/> Both	<input type="checkbox"/> work in Progress	<input type="checkbox"/> Hospital
<input type="checkbox"/> Site	Accessible		<input type="checkbox"/> Administrative
<input type="checkbox"/> Object	<input checked="" type="checkbox"/> Yes: Restricted		<input checked="" type="checkbox"/> Support
	<input type="checkbox"/> Yes: Unrestricted		<input type="checkbox"/> Other
	<input type="checkbox"/> No		

4. Owner of Property

Name **United States of America (National Institutes of Health)**

Street & Number **9000 Rockville Pike**

Telephone No. :

City, Town **Bethesda**

State and Zip Code **Maryland 20892**

5. Location of Legal Description

Courthouse, Registry of Deeds, etc. **Montgomery County Court House**

Liber# _____ Folio# _____

Street & Number

City, Town

State and Zip Code

6. Representation in Existing

Historic Survey Yes No

Title

Date

Federal State County Local

Depository for Survey Records

City, Town

State

7. Description

Condition

<input checked="" 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
<input type="checkbox"/> Fair	<input type="checkbox"/> Unexposed		

The NIH Power Plant and Incinerator is a modern four story reinforced concrete frame building with a basement and mezzanine consisting of 150,000 gross square feet at the time of construction. The exterior material is brick with metal trim. The fenestration industrial steel frame, single glazed awning type windows with metal doors. The building has a flat built-up over a concrete slab with 2 inches of insulation. The interior finishes consist of glazed tile partitions and walls and painted concrete ceilings.

Three 150,000 pounds per hour capacity water-wall type boilers were installed in Building 11 to deliver 165 psig pressure steam through a 16 inch supply line the main underground distribution system serving the entire campus. Boiler accessories provided in Building 11 include both electric and steam-driven condensate and feed water pumps, feed water chemical treatment equipment and heaters, a central instrument and control panel, electric and steam-driven individual force and induced-draft fans with cyclone precipitator-type soot collectors, fuel oil heaters with pumps - both electrical and steam-driven, as well as two 500,000 gallon capacity tanks located underground west of Building 11 for storage of No. 6 fuel oil.

A non-condensing turbo-generator, capable of delivering 5,000 KVA when supplied with 120,000 pounds per hour steam at 165 psig, was installed in the Compressor Room of Building 11 for emergency operation of indispensable equipment throughout the campus, but primarily in the Clinical Center, in the event of a power failure.

A central refrigerator plant, consisting of five 1,050 ton capacity centrifugal refrigeration machines each with an individual 3,250 gpm chilled water pump, 3,150 gpm condenser water pump, and induced-draft cooling tower, were installed in the south half of Building 11 to deliver to the main underground distribution system serving the campus chilled water at 42° F. through 24 inch supply and return lines.

Incinerators and Can Washing

Central refuse disposal facilities, including a complete incineration installation with can handling, dumping and dumping provisions were housed in the Building 11A. The incinerator plant itself consists of two separate incinerators, 48,000 pounds per 24 hour capacity each with two large refuse collection bins on the first floor for both truck and can dumping, an overhead power-operated crane for charging both incinerators through top loading doors at the ground floor level, and a control and instrument panel board installed in the firing room at the basement level. A flue-gas scrubber, with the required circulating water treatment equipment and pumps located on the basement floor of Building 11, is also provided on the discharge from each incinerator to prevent the emission of objectionable soot and fly ash from the stacks.

Over the years the NIH Power Plant has been totally altered and the Incinerator Building, Building 11A has been demolished and replaced with a new co-generation plant. None of the central steam and chilled water equipment exist except for the shell of the three original central boilers. The central generator has been removed.

Today the exterior architecture of the power plant is contemporary with a sweeping massive metal curve front exterior and new cooling towers to the south. The exhaust stacks have been significantly raised above the roof line.

8. Significance

Period	Areas of Significance						
<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"/> Social/Humanitar'n			
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> Architecture	<input type="checkbox"/> Education	<input type="checkbox"/> Military	<input type="checkbox"/> Theater			
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> Art	<input type="checkbox"/> Engineering	<input type="checkbox"/> Music	<input type="checkbox"/> Transportation			
<input type="checkbox"/> 1800-1899	<input type="checkbox"/> Commerce	<input type="checkbox"/> Exploration/Settlement	<input type="checkbox"/> Philosophy	<input type="checkbox"/> Other			
<input type="checkbox"/> 1900-	<input type="checkbox"/> Communications	<input type="checkbox"/> Industry	<input type="checkbox"/> Politics/Government				
		<input type="checkbox"/> Invention					

Specific Dates	Architect:	Builder	Area
3/54	General Service Administration	John McShain, Inc	150,000 gsf

Applicable Criteria:	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D			
Applicable Exception	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	<input type="checkbox"/> E	<input type="checkbox"/> F	<input type="checkbox"/> G
Level of Significance	<input type="checkbox"/> National	<input type="checkbox"/> State	<input type="checkbox"/> Local				

Buildings 11 and 11A were constructed for central utility production. These utilities include steam, compressed air, chilled water for air conditioning systems, and emergency electrical power. These buildings also housed the incinerator plant and the GI can-washing facilities.

9. Major Bibliographical References

National Institutes of Health. *NIH Almanac*, Bethesda, MD 1998
 National Institutes of Health. *Building and Grounds Manual*, Bethesda, MD 1959
 Industry and Power "Engineered Incineration" December 1954

10. Geographical Data

Verbal Boundary Description

The proposed boundaries of the site are defined by Buildings 12 and 13 to the north; Building 22 to the east; Buildings 14A, 14B, 14C, and 14D to the south; and West Service Drive to the west.

11. Determination of Eligibility to be Included into the National Register

 Eligible

 Not Eligible

Buildings 11 and 11A were constructed for central utility production. Completed in 1954, Building 11 has operated as NIH's central power plant since its construction. Building 11A has been demolished and replaced with a co-generation plant. Although it is a major support structure it was utilitarian in design and when evaluated against the criteria for a National Registered property, it is found to have no unique architectural features. Furthermore, Building 11 has been altered over years that it has very little of its original architectural character left.

Due to its lack of integrity and its lack of demonstrated historical and/or architectural significance, Building 11 has been determined "Not Eligible" for listing in the National Register. Building 11 has been demolished and its historic significance is moot.

12. Form Prepared by

Name/Title **Ricardo C. Herring, FAIA, NIH Federal Preservation Officer**

Organization **Technical Resources Group, DCAB/DES/ORS**

Date **2/13/03**

Street & Number **9000 Rockville Pike**

Telephone **301-402-2048**

City or Town **Bethesda**

State **MD**

Approved by the NIH Federal Preservation Officer

Concurrence of State Preservation Officer

NIH Historic Resources Inventory Form

1. Name

Historic Name **Building 12**

Common Name and Building Number **Building 12**

2. Location

Street and Number **9000 Rockville Pike**

City, Town **Bethesda**

Congressional District **8th**

State **Maryland**

County **Montgomery**

3. Classification

Category	Ownership	Status	Present use (Government)
<input type="checkbox"/> District	<input checked="" type="checkbox"/> Public	<input checked="" type="checkbox"/> Occupied	<input type="checkbox"/> Laboratory
<input checked="" type="checkbox"/> Building(s)	<input type="checkbox"/> Private	<input type="checkbox"/> Unoccupied	<input type="checkbox"/> Animal Research
<input type="checkbox"/> Structure	<input type="checkbox"/> Both	<input type="checkbox"/> work in Progress	<input type="checkbox"/> Hospital
<input type="checkbox"/> Site	Accessible		<input type="checkbox"/> Administrative
<input type="checkbox"/> Object	<input checked="" type="checkbox"/> Yes: Restricted		<input checked="" type="checkbox"/> Support
	<input type="checkbox"/> Yes: Unrestricted		<input type="checkbox"/> Other
	<input type="checkbox"/> No		

4. Owner of Property

Name **United States of America (National Institutes of Health)**

Street & Number **9000 Rockville Pike**

Telephone No. :

City, Town **Bethesda**

State and Zip Code **Maryland 20892**

5. Location of Legal Description

Courthouse, Registry of Deeds, etc. **Montgomery County Court House**

Liber# _____ Folio# _____

Street & Number

City, Town

State and Zip Code

6. Representation in Existing

Historic Survey Yes No

Title

Date

Federal State County Local

Depository for Survey Records

City, Town

State

7. Description

Condition

Excellent Deteriorated Unaltered Original Site
 Good Ruins Altered Moved
 Fair Unexposed

Building 12 is a modern one story reinforced concrete frame building with a basement consisting of 52,140 gross square feet at the time of construction. The exterior material is brick with cut stone trim. The fenestration industrial steel frame, single glazed awning type windows with metal doors. The building has a flat built-up over a concrete slab with 2 inches of insulation. The interior finishes consist of glazed tile partitions and walls and painted concrete ceilings.

Over the years there have been two major additions to Building 12 and they Buildings 12A and 12B

8. Significance

Period	Areas of Significance			
<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"/> Social/Humanitar'n
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> Architecture	<input type="checkbox"/> Education	<input type="checkbox"/> Military	<input type="checkbox"/> Theater
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> Art	<input type="checkbox"/> Engineering	<input type="checkbox"/> Music	<input type="checkbox"/> Transportation
<input type="checkbox"/> 1800-1899	<input type="checkbox"/> Commerce	<input type="checkbox"/> Exploration/Settlement	<input type="checkbox"/> Philosophy	<input type="checkbox"/> Other
<input type="checkbox"/> 1900-	<input type="checkbox"/> Communications	<input type="checkbox"/> Industry	<input type="checkbox"/> Politics/Government	
		<input type="checkbox"/> Invention		

Specific Dates	Architect:	Builder	Area
10/50	General Service Administration	McClosky & Co	52,140 gsf
Applicable Criteria:	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D		
Applicable Exception	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G		
Level of Significance	<input type="checkbox"/> National <input type="checkbox"/> State <input type="checkbox"/> Local		

Building 12 was constructed in 1950 to provide maintenance, overhaul, and storage facilities for NIH vehicles, and to provide general storage space. A major portion of the building has been converted to office and machine space for data processing and computer operations although the garage and fire department still are located in the building.

Building 12A constructed in 1965 was authorized to permit expansion of data processing and computer operations and eventually will be used entirely for that purpose. The building presently is used as general office space for personnel of various NIH organizations including data processing. Building 12B was constructed in 1980's and is used for data processing, cafeteria and snack bar.

9. Major Bibliographical References

National Institutes of Health. *NIH Almanac*, Bethesda, MD 1998

National Institutes of Health. *Building and Grounds Manual*, Bethesda, MD 1959

10. Geographical Data

Verbal Boundary Description

The proposed boundaries of the site are defined by Building 50 to the north; Building 22 to the east; Building 11 to the south; and Building 13 to the west.

11. Determination of Eligibility to be Included into the National Register

Eligible

Not Eligible

Building 12 was constructed as vehicle maintenance and storage facility. Completed in 1950, Building 12 has operated as NIH's vehicle maintenance and storage facility since its construction.

Due to its lack of demonstrated historical and/or architectural significance, Building 12 has been determined "Not Eligible" for listing in the National Register.

12. Form Prepared by

Name/Title **Ricardo C. Herring, FAIA, NIH Federal Preservation Officer**

Organization **Technical Resources Group, DCAB/DES/ORS**

Date **2/13/03**

Street & Number **9000 Rockville Pike**

Telephone **301-402-2048**

City or Town **Bethesda**

State **MD**

Approved by the NIH Federal Preservation Officer

Concurrence of State Preservation Officer

NIH Historic Resources Inventory Form

1. Name

Historic Name **Building 13**

Common Name and Building Number **Building 13**

2. Location

Street and Number **9000 Rockville Pike**

City, Town **Bethesda**

Congressional District **8th**

State **Maryland**

County **Montgomery**

3. Classification

Category	Ownership	Status	Present use (Government)
<input type="checkbox"/> District	<input checked="" type="checkbox"/> Public	<input checked="" type="checkbox"/> Occupied	<input type="checkbox"/> Laboratory
<input checked="" type="checkbox"/> Building(s)	<input type="checkbox"/> Private	<input type="checkbox"/> Unoccupied	<input type="checkbox"/> Animal Research
<input type="checkbox"/> Structure	<input type="checkbox"/> Both	<input type="checkbox"/> work in Progress	<input type="checkbox"/> Hospital
<input type="checkbox"/> Site	Accessible		<input type="checkbox"/> Administrative
<input type="checkbox"/> Object	<input checked="" type="checkbox"/> Yes: Restricted		<input checked="" type="checkbox"/> Support
	<input type="checkbox"/> Yes: Unrestricted		<input type="checkbox"/> Other
	<input type="checkbox"/> No		

4. Owner of Property

Name **United States of America (National Institutes of Health)**

Street & Number **9000 Rockville Pike**

Telephone No. :

City, Town **Bethesda**

State and Zip Code **Maryland 20892**

5. Location of Legal Description

Courthouse, Registry of Deeds, etc. **Montgomery County Court House**

Liber# _____ Folio# _____

Street & Number

City, Town

State and Zip Code

6. Representation in Existing

Historic Survey Yes No

Title

Date

Federal State County Local

Depository for Survey Records

City, Town

State

7. Description

Condition

Excellent Deteriorated Unaltered Original Site
 Good Ruins Altered Moved
 Fair Unexposed

Building 13 is a modern three story reinforced concrete frame building with a basement consisting of 52,140 gross square feet at the time of construction. The exterior material is brick with cut stone trim. The fenestration industrial steel frame, single glazed awning type windows with metal doors. The building has a flat built-up over a concrete slab with 2 inches of insulation. The interior finishes consist of painted reinforced concrete and glazed tile partitions and walls and painted concrete ceilings. A small addition was constructed on the northeast side of the building to house a passenger elevator and elevator lobbies on each floor.

8. Significance

Period	Areas of Significance			
<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"/> Social/Humanitar'n
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> Architecture	<input type="checkbox"/> Education	<input type="checkbox"/> Military	<input type="checkbox"/> Theater
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> Art	<input type="checkbox"/> Engineering	<input type="checkbox"/> Music	<input type="checkbox"/> Transportation
<input type="checkbox"/> 1800-1899	<input type="checkbox"/> Commerce	<input type="checkbox"/> Exploration/Settlement	<input type="checkbox"/> Philosophy	<input type="checkbox"/> Other
<input type="checkbox"/> 1900-	<input type="checkbox"/> Communications	<input type="checkbox"/> Industry	<input type="checkbox"/> Politics/Government	
		<input type="checkbox"/> Invention		

Specific Dates	Architect:	Builder	Area
8/52	General Service Administration	F. H. Martell, Co	178,587 gsf
Applicable Criteria:	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D		
Applicable Exception	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G		
Level of Significance	<input type="checkbox"/> National <input type="checkbox"/> State <input type="checkbox"/> Local		

Building 13 was constructed in 1952 to house the shops for maintenance and repair; warehouse storage including refrigerated food storage; scientific apparatus manufacturing; laundry and dry cleaning.

Today Building 13 houses the administrative functions of the NIH Division of Engineering Services and NIH Division of Safety, NIH Federal Credit Union, a small employee medical unit, warehouse for construction and maintenance supplies, and biomedical engineering (scientific apparatus manufacturing). The entire basement, second floor and third floors have been significantly altered over the years.

9. Major Bibliographical References

National Institutes of Health. *NIH Almanac*, Bethesda, MD 1998

National Institutes of Health. *Building and Grounds Manual*, Bethesda, MD 1959

10. Geographical Data

Verbal Boundary Description

The proposed boundaries of the site are defined by South Drive to the north; Buildings 50 and 12 to the east; Building 11 to the south; and Service Road West to the west.

11. Determination of Eligibility to be Included into the National Register

Eligible

Not Eligible

Building 13 was constructed as a facility maintenance and storage facility as well as a scientific apparatus manufacturing plant. Completed in 1952, Building 13 has operated as an NIH administrative, maintenance, manufacturing and storage facility since its construction.

Due to its lack of demonstrated historical and/or architectural significance, Building 13 has been determined "Not Eligible" for listing in the National Register.

12. Form Prepared by,

Name/Title **Ricardo C. Herring, FAIA, NIH Federal Preservation Officer**

Organization **Technical Resources Group, DCAB/DES/ORS**

Date **2/26/03**

Street & Number **9000 Rockville Pike**

Telephone **301-402-2048**

City or Town **Bethesda**

State **MD**

Approved by the NIH Federal Preservation Officer

Concurrence of State Preservation Officer

M: 35-9-10
National Institutes of Health
Buildings 11, 12, and 13
Montgomery County
Washington West Quad

