

United States Department of the Interior
Heritage Conservation and Recreation Service

National Register of Historic Places Inventory—Nomination Form

See instructions in *How to Complete National Register Forms*
Type all entries—complete applicable sections

For HCRS use only

received MAR 3 1982

date entered

1. Namehistoric Monument Mills Power Stationand/or common Glendale Power House (preferred)**2. Location**street & number Route 183, 1/4 mile south of GlendaleN/A not for publicationcity, town StockbridgeN/A vicinity ofcongressional district Firststate Massachusettscode 025county Berkshirecode 003**3. Classification****Category**

☐ district
☒ building(s)
☐ structure
☐ site
☐ object

Ownership

☐ public
☒ private
☐ both

Public Acquisition

N/A in process
☐ being considered

Status

☒ occupied
☐ unoccupied
☐ work in progress
Accessible
☒ yes: restricted
☐ yes: unrestricted
☐ no

Present Use

☐ agriculture
☒ commercial
☒ educational
☐ entertainment
☒ government
☒ industrial
☐ military

☒ museum
☐ park
☐ private residence
☐ religious
☒ scientific
☐ transportation
☐ other:

4. Owner of Property

Housatonic Energy Conservation Association
name Joseph A. Guerrieri and Mary C. Heather

street & number Sergeant Streetcity, town Stockbridge,N/A vicinity ofstate Mass.**5. Location of Legal Description**courthouse, registry of deeds, etc. Central Berkshire Registry of Deedsstreet & number 24 Wendell Avenuecity, town Pittsfield,state Mass.**6. Representation in Existing Surveys**

The Monument Mills Power Plant; Inventory of the Hist. Assets of the 6/79 Commonwealth
title Historic American Engineering Record has this property been determined eligible? ☒ yes ☐ no

date 3/15/79☒ federal ☒ state ☐ county ☐ localdepository for survey records Massachusetts Historical Commissioncity, town Bostonstate Mass.

7. Description

STOCKBRIDGE: Glendale Power Plant

Condition

☐ excellent
☒ good
☐ fair

☐ deteriorated
☐ ruins
☐ unexposed

Check one

☒ unaltered
☐ altered

Check one

☒ original site
☐ moved date _____

Describe the present and original (if known) physical appearance

The Glendale Power Plant which is located on the Housatonic River in Stockbridge encompasses 13.32 acres. It includes a 28' high dam and headgates at its northern end, 1500' of power canal, a bulkhead, trash racks and control gates, and 200' of iron penstock which is 12' in diameter and serves the power station proper at the southern end of the plant. A fall of 41' in elevation develops a potential 1500 to 3000 horsepower.

The power plant itself is a small one story structure measuring 50'X68'. It is constructed of coursed random ashlar, much salvaged from the Glendale Woolen Mill which stood a short ways upstream. The heavy walls support a steel truss hip roof which is shingled with slate. Its main facade (south) is divided into three bays by raised piers. The eastern bay contains the entry which consists of two paneled doors headed by a heavy lintel. The other two bays each contain windows with double hung 6/6 sash. The slightly longer east and west elevations are divided into four bays. Its interior consists of a large single room designed to house the turbines, generators, and electrical controls. The room is well lighted by eight windows and an over sized double wood door provided for installation and removal of its equipment. Adjustment and repair of the generators and turbine is facilitated by a sliding over head crane, 46' long. Intake and discharge ports for four turbines were originally provided for, however, only two turbines and generators were ever installed. The unused ports are capped.

After the plant was shut down in 1946 its generators and turbines were removed and scrapped, circa 1950. Several cast iron base plates bear the name of the Stanley Electric Manufacturing Company of Pittsfield, Mass.

The Housatonic Energy Conservation Association is in the process of restoring the plant as a low-head hydroelectric project. Project goals are both conservation of resources and educational. Two General Electric 450 HP synchronous generators, each rated at 360 KVA., 2,220 volt, 60 hz., three phase, and their exciters have been obtained for installation. A Rodney Hunt type 80 turbine is being reconditioned and installed to drive one of the generators. This turbine was obtained from Monument Mill in Housatonic and was originally rated at 450 HP a 405 RPM., with a 40' head. Another Rodney Hunt type 80 is being sought to drive the other generator. The sale of the produced power is hoped to support and maintain the station.

8. Significance

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

Specific dates 1905, 1907

Builder/Architect J.R. Lee Patterson, NJ Contractor;

F.O. Toquet, Bridgeport, Conn., Civil & Hydro-
lic Eng.; H.R. Leyden, New York Chief Elec-
trical Engineer

Statement of Significance (in one paragraph)

The Glendale Power Plant possesses integrity of location, design, setting, materials and workmanship as well as historical associations with pioneering efforts to develop electrical power in Berkshire County. This well preserved complex meets criterion A of the National Register of Historic Places.

The history of the Glendale Power Plant is closely tied to that of the Monument Mills textile company which lay three miles downstream in the village of Hoosatic. (The structures of this company still stand and will be the subject of a future NR nomination). Founded in 1851, Monument Mills was a thriving cotton textile mill complex by the late nineteenth century. As the Monument Mills firm expanded, its power requirements could not be met during periods of low water in the summer, forcing the mills to operate only in the evenings. Theodore G. Ramsdell, Superintendent and Vice President of the mills, sought ways to rectify this situation and bring the mills up to their full production capacity.

Working with electrical pioneer William Stanley, developer of the transformer, Ramsdell purchased and rebuilt the old Stockbridge Iron Works Dam (Algers Furnace), constructing a hydroelectric station $1\frac{1}{2}$ miles above the Monument Mills. A Stanley S.K.C. 2,400 volt 2 phase 55 CPS alternator was installed with the necessary transmission lines to power three 350 HP Stanley S.K.C. Synchronous motors connected to the prime mover at the Monument Mills. This was the first transmission of alternating current for power. Two years later in 1894 this station, under lease to the Great Barrington Electric Light Company, powered the first high voltage transmission line in the world, 7 $1/2$ miles to Great Barrington. This plant burned in 1925; only the dam remains.

The success of the venture caused the Monument Mills Co. to purchase the water rights of the Old Glendale Woolen Company and the former Chaffee and Callender Paper Mill site three miles above the mills in 1905. These rights encompassed the best fall of water in the area, 41', and plans were developed for the construction of a new, larger hydroelectric station, the present Glendale Power Plant. By 1909, one-half of the power requirements for Monument Mills were provided by the Glendale Power Plant.

The work on this plant was begun in July of 1905 by contractor, Mr. J. R. Lee of Patterson, New Jersey. Mr. William Ring, superintendent, bossed ninety to one hundred and sixty men, twenty mules, ten teams of horses, a steam shovel and crane, and a rock crusher. The dam was anchored in bedrock twenty feet below the river bed. It required the pouring of 3000 cubic yards of concrete, 31 $1/2$ feet thick, reinforced with steel shafting sunk into the ledge. Construction of the 1500' power canal, 40' in width, proved the most difficult task because it was excavated through heavy clay. A bulkhead requiring an additional 1000 cubic yards of concrete was built to supply a 12 foot in diameter iron penstock, 200 feet long, which fed the turbines in the Power House itself.

9. Major Bibliographical References

"The Berkshire Courier" Vol. 72 No. 43, Thursday Oct. 25, 1906, 'may furnish Power by January 1st.'

"The Berkshire Courier" Vol. 73 No. 2, Thursday Jan. 10, 1907, 'Power Plant Christened'.

10. Geographical Data

Acreage of nominated property 13.32 acres

Quadrangle name Stockbridge

Quadrangle scale 1:24,000

UMT References

A

1	8
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6	3	5	7	1	0
---	---	---	---	---	---

4	6	8	2	0	8	0
---	---	---	---	---	---	---

Zone Easting Northing

B

1	8
---	---

6	3	5	8	6	0
---	---	---	---	---	---

4	6	8	1	8	5	0
---	---	---	---	---	---	---

Zone Easting Northing

C

1	8
---	---

6	3	5	9	7	0
---	---	---	---	---	---

4	6	8	1	7	9	0
---	---	---	---	---	---	---

D

1	8
---	---

6	3	6	5	4	0
---	---	---	---	---	---

4	6	8	2	0	9	0
---	---	---	---	---	---	---

E

1	8
---	---

6	3	6	7	0	0
---	---	---	---	---	---

4	6	8	2	3	1	0
---	---	---	---	---	---	---

F

1	8
---	---

6	3	5	9	3	0
---	---	---	---	---	---

4	6	8	1	9	4	0
---	---	---	---	---	---	---

G

1	8
---	---

6	3	5	8	5	0
---	---	---	---	---	---

4	6	8	2	1	4	0
---	---	---	---	---	---	---

H

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Verbal boundary description and justification

The 13.32 acres deeded to the Housatonic Energy Conservation Assoc. August 5, 1977 Book 992 Page 665, was assembled from several parcels formerly owned by Monument Mills Inc. (Described Book 558 - Page 6 and C Central Berkshire Registry of Deeds.) The Power Plant

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

state	N/A	code	county	code
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state	N/A	code	county	code
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11. Form Prepared By

name/title Candace Jenkins, Registration Director with James Parrish

organization Massachusetts Historical Commission date April 1981

street & number 294 Washington Street telephone (617) 727-8470

city or town Boston state Massachusetts

12. State Historic Preservation Officer Certification

The evaluated significance of this property within the state is:

☐ national ☐ state ☒ local

As the designated State Historic Preservation Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the Heritage Conservation and Recreation Service.

State Historic Preservation Officer signature

Patricia K. Weslowski

title Executive Director, Massachusetts Historical Commission

date 5/7/82

For HCRS use only

I hereby certify that this property is included in the National Register

Keeper of the National Register

date 6.24.82

Attest: *Patrick Andrews*

date 6/23/82

for Chief of Registration

**United States Department of the Interior
National Park Service**

**National Register of Historic Places
Inventory—Nomination Form**

For NPS use only

received

date entered

Continuation sheet Glendale Power Plant

Item number 8

Page 2

All the hydroelectric machinery was built by the Holyoke Machine Company. The electrical equipment, installed under the supervision of Mr. H. R. Leyden, consisted of two 750 HP SKC alternators constructed by the Stanley Electric Manufacturing Company of Pittsfield, Massachusetts. One alternator was installed by the dedication January 5, 1907.

At a dedication speech by Parley A. Russell, one of the owners of Monument Mills, he recounted the Cotton Mills development. Miss Ruth Church christened the Monument Power Plant and the Sluice gates were closed by Ellis Ramsdell at 2:10 p.m. Water ran over the spill way by 4:00 p.m. The plant supplied Monument Mills and later part of Stockbridge with power until 1946.

The 13.32 acres bordering the Housatonic River which comprise the Glendale Power Plant property should be considered to have potential for the presence of prehistoric archaeological sites. The Housatonic River is the heart of the major drainage system in western Massachusetts, and as such, is bordered by a dense concentration of prehistoric sites. The elevated lands along the Housatonic River within the bounds of the Glendale Power Plant property may contain prehistoric archaeological sites previously unknown.

**United States Department of the Interior
Heritage Conservation and Recreation Service****National Register of Historic Places
Inventory—Nomination Form**

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received MAR 3 1982
date entered

Continuation sheet

Item number 10

Page 1

and water rights cover an area enclosed southerly from the Glendale Middle Road Bridge along Conrail, NY., N.H., and Hartford railroad right of way. Abutting the Gravel Pit lot; Ezra Dresser's Farm; Lahey Evans Schneyer, Roeder, Ezequelle; former Glendale Woolen Co.; former Chaffee & Callendar Paper Co. to a point PCC 909. 1.5' X 2' BC; northerly to the center.

NATIONAL REGISTER OF HISTORIC PLACES

United States Department of the Interior
National Park Service

EVALUATION / RETURN SHEET

Property: Glendale Power House
 State, County: MA, Berkshire
 Federal Agency: _____

Working No. 3/3/82-606
 Fed. Reg. Date: _____
 Date Due: 4/1/82 / 4-17-82
 Action: ☐ ACCEPT ☒ RETURN 4/2/82
☐ REJECT

- ☐ resubmission
☐ nomination by person or local government
☐ owner objection
☐ appeal

photos 1
 maps 1

Substantive Review: ☒ sample ☐ request ☐ appeal ☐ NR decision

Reviewer's comments:

Return for clarification + expansion of part 8

Recom./Criteria Return
 Reviewer TRAVERS
 Discipline ARCH. HISTORIAN
 Date 4/2/82
☐ see continuation sheet

Nomination returned for: ☒ technical corrections cited below
☒ substantive reasons discussed below

1. Name _____

2. Location _____

X 3. Classification

Category	Ownership	Status	Present Use
	☒ Public Acquisition	☐ Accessible	

4. Owner of Property _____

5. Location of Legal Description _____

6. Representation in Existing Surveys _____

Has this property been determined eligible? ☐ yes ☐ no

7. Description

Condition	Check one	Check one
☐ excellent	☐ deteriorated	☐ original site
☐ good	☐ ruins	☐ moved
☐ fair	☐ unexposed	☐ date _____

Describe the present and original (if known) physical appearance

- ☐ summary paragraph
☐ completeness
☐ clarity
☐ alterations/integrity
☐ dates
☐ boundary selection

OK

8. Significance

Period _____ Areas of Significance—Check and justify below

Specific dates _____

Builder/Architect _____

Statement of Significance (in one paragraph)

- ☒ summary paragraph
- ☒ completeness
- ☒ clarity
- ☒ applicable criteria
- ☒ justification of areas checked
- ☒ relating significance to the resource
- ☒ context
- ☒ relationship of integrity to significance
- ☐ justification of exception
- ☐ other

The chronology of events in second paragraph is confusing, and thus the analysis of this plant's significance not adequately made. Was this plant constructed to meet the expanding needs to monument mills? If so, why were these expanding needs + the ability (or inability) of this plant to fill them significant? The technological innovation mentioned in the second paragraph appears to be related only to the Alger Farnace plant, not this one.

9. Major Bibliographical References

10. Geographical Data

Acres of nominated property _____

Outstanding name _____

UMT References _____

Verbal boundary description and justification _____

11. Form Prepared By

12. State Historic Preservation Officer Certification

The evaluated significance of this property within the state is:

____ national ____ state ____ local

State Historic Preservation Officer signature _____

Title _____

Date _____

13. Other

- ☐ Maps
- ☐ Photographs
- ☐ Other

Questions concerning this nomination may be directed to

Jean Travers

Signed William H. Brachman

Date 4.2.82

Phone: 202 272-3504

NATIONAL REGISTER OF HISTORIC PLACES

Substantive Review

United States Department of the Interior
National Park Service

EVALUATION / RETURN SHEET

82004957

Property: Glendale Power House
State, County: MA, Berkshire
Federal Agency: _____

Working No. 3.3.82-606Fed. Reg. Date: FEB 1 1983Date Due: 7/5/82Action: ACCEPT 6/24/82RETURNREJECTphotos ✓maps ✓

- ☒ resubmission
☐ nomination by person or local government
☐ owner objection
☐ appeal

Substantive Review: ☐ sample ☐ request ☐ appeal ☐ NR decision

Reviewer's comments:

returned to N.R. with requested additional
information

Recom./Criteria accept - AReviewer Patrick AndersDiscipline HistorianDate 6/23/82see continuation sheet

Nomination returned for: ☐ technical corrections cited below
☐ substantive reasons discussed below

☒ 1. Name☒ 2. Location☒ 3. Classification

Category	Ownership	Status	Present Use
	Public Acquisition	Accessible	

this should be classified as a
district

☒ 4. Owner of Property☒ 5. Location of Legal Description☒ 6. Representation in Existing Surveyshas this property been determined eligible? ☐ yes ☐ no☒ 7. Description

Condition	Check one	Check one
☒ excellent	☐ deteriorated	☐ original site
☐ good	☐ ruins	☐ moved
☐ fair	☐ unrestored	☐ data

Describe the present and original (if known) physical appearance

- ☒ summary paragraph
☒ completeness
☒ clarity
☒ alterations/integrity
☒ dates
☒ boundary selection

8. Significance

Period _____ Areas of Significance—Check and justify below

Specific dates _____ Builder/Architect _____

Statement of Significance (in one paragraph)

- ☒ summary paragraph
- ☒ completeness
- ☒ clarity
- ☒ applicable criteria
- ☒ justification of areas checked
- ☒ relating significance to the resource
- ☒ context
- ☒ relationship of integrity to significance
- ☐ justification of exception
- ☐ other

*nomination statement of significance has
be rewritten - it is now clearer*

9. Major Bibliographical References

10. Geographical Data

Address of nominated property _____
Quadrangle name _____
USGS Reference _____

Verbal boundary description and justification

11. Form Prepared By

12. State Historic Preservation Officer Certification

The evaluated significance of this property within the state is
_____ national _____ state _____ local

State Historic Preservation Officer signature

Title _____ Date _____

13. Other

- ☐ Maps
- ☐ Photographs
- ☐ Other

Questions concerning this nomination may be directed to _____

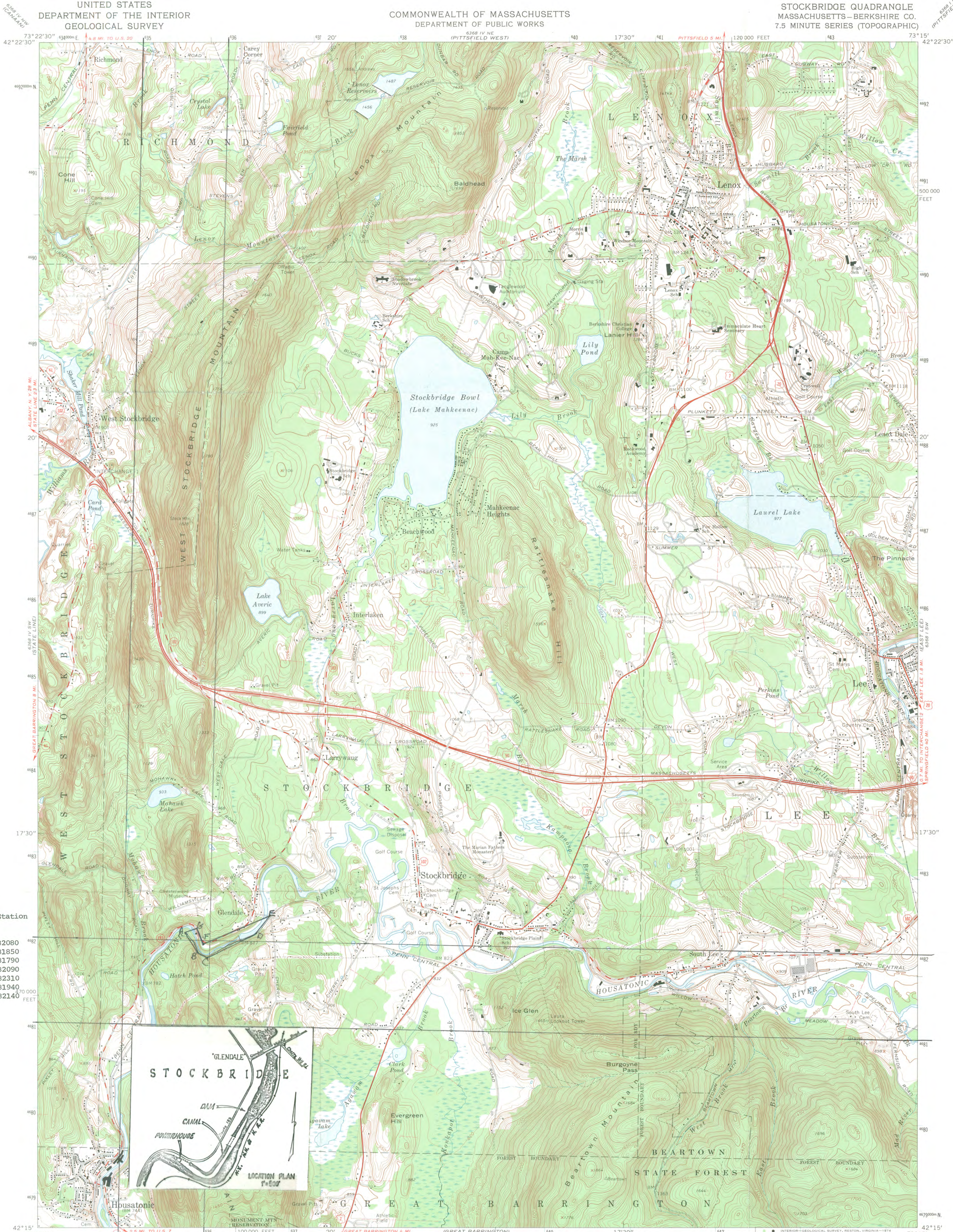
Signed _____ Date _____ Phone: 202 272-3504

Comments for any item may be continued on an attached sheet

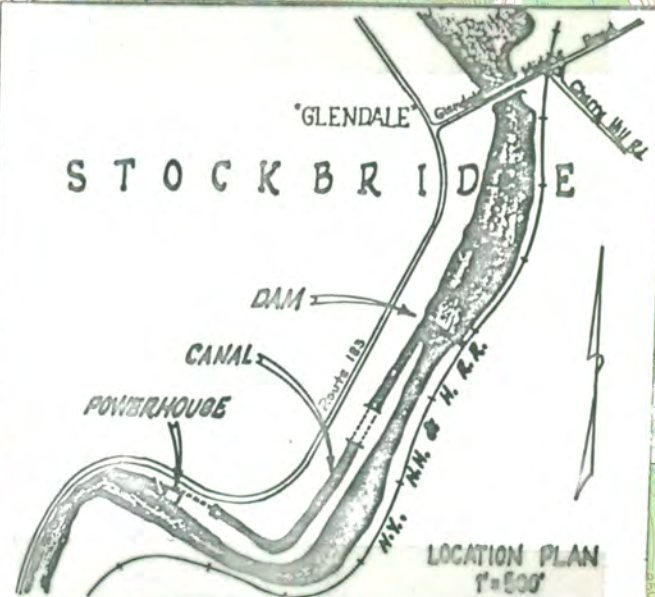


GLENDALÉ POWER PLANT
FORMER, MONUMENT MILLS POWER STATION
STOCKBRIDGE
VIEW FROM FRONT, LOOKING NORTHEAST
JAMES N. PARRISH 3/15/79

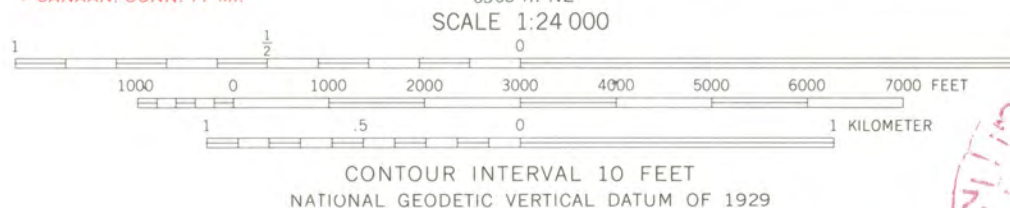
MAR 3 1982



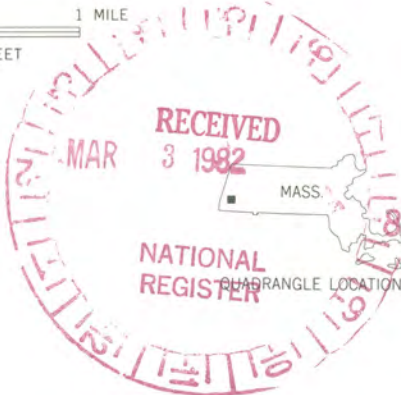
Glendale Power Station
Stockbridge, MA
UTM Reference
A. 18/635710/4682080
B. 18/635860/4681850
C. 18/635970/4681790
D. 18/636540/4682090
E. 18/636700/4682310
F. 18/635930/4681940
G. 18/635850/4682140



Maped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Massachusetts Geodetic Survey
Topography by photogrammetric methods from aerial photographs
taken 1942. Field checked 1944. Revised from aerial
photographs taken 1971. Field checked 1973
Polyconic projection. 1927 North American datum
10,000-foot grid based on Massachusetts coordinate system,
mainland zone
1000-meter Universal Transverse Mercator grid ticks,
zone 18, shown in blue
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Unimproved road
Interstate Route
U.S. Route
State Route

STOCKBRIDGE, MASS.
N4215—W7315/7.5

1973
AMS 6368 IV SE—SERIES V814

Bill

4/1/82

I think Jean is right about the return.
A couple of points:

- 1) We are talking about 13 acres — and a variety of structures + features — dam, penstock, plant structure itself. Although the structure itself is well described, the appearance + condition of the other features are treated very briefly in #7. It would be nice to have at least 1 more photo of general resource / setting in ~~an~~ addition to power plant itself.
- 2) I think #8 makes 2 points — first that the construction of this facility represents an important technological / industrial development, the transition from water power at mill sites to use of water power to generate electricity then transferred to the mills. This is a very important occurrence in the NE mills related to problems with ^{uniform} water availability, economic of conversion, etc. Second, that this plant after its construction played an important role in the operation of Monmouth Mills (+ Stockbridge?) in 20th c. The discussion of Algees Furnace Plant + other chronology may not be appropriate.

PURIE 4/1/82



**MASSACHUSETTS
HISTORICAL
COMMISSION**

**COMMONWEALTH OF MASSACHUSETTS
Office of the Secretary of State**

294 Washington Street
Boston, Massachusetts
02108
617-727-8470

MICHAEL JOSEPH CONNOLLY
Secretary of State

May 3, 1982

Ms. Carol Shull, Acting Keeper
National Register of Historic Places
National Park Service
Department of the Interior
Washington, D.C. 20243

Dear Ms. Shull:

Enclosed is the revised National Register nomination form for the Glendale Power House which was returned to us for additional information on April 2, 1982. We have clarified section 8, paragraph 2 as requested by Jean Travers of your staff. We hope that this will prove sufficient to have this property, which has already been determined eligible, listed in the National Register.

Sincerely,

Candace Jenkins
Candace Jenkins
Registration Director

CJ/my

Enclosure

