Appendix

A

South Mississippi
Electric Power Association

"The Cooperative's Cooperative"

NOTICE

TO: Planning Bodies and Governmental Agencies Addressed

FROM: South Mississippi Electric Power Association

DATE: December 20, 2005

Notice is hereby given that South Mississippi Electric Power Association (SMEPA) of Hattiesburg, Mississippi will submit loan applications to the Rural Utilities Services for the purpose of financing the construction of the following facilities referred to as the Southeast Greene Substation Project in Greene County, MS:

> A proposed SMEPA 230:161:69 kV substation, a proposed one tenth (0.1) mile SMEPA 230 kV transmission line, another proposed SMEPA one tenth (0.1) mile SMEPA 230 kV transmission line, and a proposed SMEPA four tenths (0.4) mile 69 kV transmission line, all in Greene County, Mississippi. The proposed SMEPA Southeast Greene substation will be located at a point on South Mississippi Electric Power Association's existing 230 kV transmission line and 69 kV transmission line in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi. One of the proposed SMEPA Southeast Greene 230 kV Line Reroutes will commence from a point on SMEPA's existing 230 kV transmission line near Structure Number 143 in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi and run generally Westerly approximately 0.1 mile to the proposed SMEPA Southeast Greene 230:161:69 kV substation in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi. The other proposed SMEPA Southeast Greene 230 kV Line Reroute will commence from a point on SMEPA's existing 230 kV transmission line near Structure Number 142 in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi and run generally Northerly approximately 0.1 mile to the proposed SMEPA Southeast Greene 230:161:69 kV substation in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi.

P.O. BOX 15849, HATTIESBURG, MS 39404-5849 7037 U.S. HIGHWAY 49, HATTIESBURG, MS 39402 TELEPHONE (601) 268-2083 FAX (601) 261-2374

The proposed SMEPA Southeast Greene 69 kV Reroutes will commence from a point on SMEPA's existing 69 kV transmission line near Structure Number 100 in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi and run generally Easterly approximately 0.2 mile to the proposed SMEPA Southeast Greene 230:161:69 kV substation in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi.

South Mississippi Electric Power Association will be required to submit to RUS an environmental assessment of the project.

This application is submitted for review and comments within thirty (30) days to fulfill requirements of 7 CFR Part 1794. If there is any indication that the proposed construction by the Association may be inconsistent with any area-wide goals and plans of your agency, please notify us as soon as possible so that such problems may be resolved. None of the funds in this loan requested by the Association will be released by the Rural Utilities Services until at least thirty (30) days after the date of this notification.

If further information is required concerning the proposed construction, it will be supplied upon request.

Comments and requests should be addressed to James Compton, General Manager, South Mississippi Electric Power Association, P. O. Box 15849, Hattiesburg, MS 39404-5849.

Very truly yours,

James Compton
General Manager

JC/hms

cc: Southern Mississippi Planning & Development District
Board of Supervisors of Greene County

OMB Approval No. 0348-0006

FEDERAL ASSISTANCE

2. APPLICANT'S APPLICATION IDENTIFIER	a. NUMBER	3. STATE APPLICATION IDENTIFIER	a. NUMBER
	b. DATE Year month day 19	NOTE: TO BE ASSIGNED BY STATE	b. DATE ASSIGNED Year month day 19
Leave Blank			

1. TYPE OF SUBMISSION (Mark appropriate box)
- [ ] NOTICE OF INTENT (OPTIONAL)
- [X] PREAPPLICATION
- [ ] APPLICATION

SECTION I—APPLICANT/RECIPIENT DATA

4. LEGAL APPLICANT/RECIPIENT
- a. Applicant Name: South Mississippi Electric Power Association
- b. Organization Unit:
- c. Street/P.O. Box: P.O. Box 15849
- d. City: Hattiesburg
- e. County: Forrest
- f. State: MS.
- g. ZIP Code: 39404-5849
- h. Contact Person (Name & Telephone No.): Joseph A. Ward 601-268-2083

5. EMPLOYER IDENTIFICATION NUMBER (EIN): 64-0367992

6. PROGRAM (From CFDA)
- a. NUMBER:
- MULTIPLE [ ]
- b. TITLE:

7. TITLE OF APPLICANT'S PROJECT (Use section IV of this form to provide a summary description of the project.)

Southeast Green Substation Project
See Section IV - Remarks

8. TYPE OF APPLICANT/RECIPIENT
A—State; B—Interstate; C—Substate Organization; D—County; E—City; F—School District; G—Special Purpose District; H—Community Action Agency; I—Higher Educational Institution; J—Indian Tribe; K—Other (Specify): Electric Coop

Enter appropriate letter: K

9. AREA OF PROJECT IMPACT (Names of cities, counties, states, etc.): Greene County, MS

10. ESTIMATED NUMBER OF PERSONS BENEFITING: 100

11. TYPE OF ASSISTANCE
A — Basic Grant; B — Supplemental Grant; C — Loan; D— Insurance; E— Other

Enter appropriate letter(s): C

12. PROPOSED FUNDING

a. FEDERAL	$ 5,735,000.00
b. APPLICANT	.00
c. STATE	.00
d. LOCAL	.00
e. OTHER	.00
f. Total	$ 5,735,000.00

13. CONGRESSIONAL DISTRICTS OF:
- a. APPLICANT: Forth
- b. PROJECT: Forth

15. PROJECT START DATE: Year month day 19 06 01 01

16. PROJECT DURATION: 17 Months

18. DATE DUE TO FEDERAL AGENCY ▶: Year month day 19 06 01 01

14. TYPE OF APPLICATION
A— New; B— Renewal; C— Revision; D— Continuation; E— Augmentation

Enter appropriate letter: A

17. TYPE OF CHANGE (For 14c or 14e)
A— Increase Dollars; B— Decrease Dollars; C— Increase Duration; D— Decrease Duration; E— Cancellation; F— Other (Specify):

Enter appropriate letter(s):

19. FEDERAL AGENCY TO RECEIVE REQUEST
- a. ORGANIZATIONAL UNIT (IF APPROPRIATE): Rural Utilities Services
- b. ADMINISTRATIVE CONTACT (IF KNOWN):
- c. ADDRESS: Washington, DC 20250

20. EXISTING FEDERAL GRANT IDENTIFICATION NUMBER

21. REMARKS ADDED: [X] Yes [ ] No

SECTION II—CERTIFICATION

22. THE APPLICANT CERTIFIES THAT ▶ To the best of my knowledge and belief, data in this preapplication/application are true and correct, the document has been duly authorized by the governing body of the applicant and the applicant will comply with the attached assurances if the assistance is approved.

a. YES, THIS NOTICE OF INTENT/PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE 01/01/06

b. NO, PROGRAM IS NOT COVERED BY E.O. 12372 OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW [ ]

23. CERTIFYING REPRESENTATIVE
- a. TYPED NAME AND TITLE: Joseph A. Ward / Dir. of Environmental Affairs
- b. SIGNATURE: Joseph A Ward

SECTION III—FEDERAL AGENCY ACTION

24. APPLICATION RECEIVED Year month day 19

25. FEDERAL APPLICATION IDENTIFICATION NUMBER

26. FEDERAL GRANT IDENTIFICATION

27. ACTION TAKEN
- [ ] a. AWARDED
- [ ] b. REJECTED
- [ ] c. RETURNED FOR AMENDMENT
- [ ] d. RETURNED FOR E.O. 12372 SUBMISSION BY APPLICANT TO STATE
- [ ] e. DEFERRED
- [ ] f. WITHDRAWN

28. FUNDING

a. FEDERAL	$ .00
b. APPLICANT	.00
c. STATE	.00
d. LOCAL	.00
e. OTHER	.00
f. TOTAL	$ .00

29. ACTION DATE ▶ Year month day 19

30. STARTING DATE Year month day 19

31. CONTACT FOR ADDITIONAL INFORMATION (Name and telephone number)

32. ENDING DATE Year month day 19

33. REMARKS ADDED: [ ] Yes [ ] No

DETACH AND, AS NECESSARY, STAPLE TO ABOVE SHEET.

SECTION IV - REMARKS *(Please reference the proper item number from Sections I, II or III, if applicable)*

A proposed SMEPA 230:161:69 kV substation, a proposed one tenth (0.1) mile SMEPA 230 kV transmission line, another proposed SMEPA one tenth (0.1) mile SMEPA 230 kV transmission line, and a proposed SMEPA four tenths (0.4) mile 69 kV transmission line, all in Greene County, Mississippi. The proposed SMEPA Southeast Greene substation will be located at a point on South Mississippi Electric Power Association's existing 230 kV transmission line and 69 kV transmission line in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi. One of the proposed SMEPA Southeast Greene 230 kV Line Reroutes will commence from a point on SMEPA's existing 230 kV transmission line near Structure Number 143 in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi and run generally Westerly approximately 0.1 mile to the proposed SMEPA Southeast Greene 230:161:69 kV substation in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi. The other proposed SMEPA Southeast Greene 230 kV Line Reroute will commence from a point on SMEPA's existing 230 kV transmission line near Structure Number 142 in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi and run generally Northerly approximately 0.1 mile to the proposed SMEPA Southeast Greene 230:161:69 kV substation in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi. The proposed SMEPA Southeast Greene 69 kV Reroutes will commence from a point on SMEPA's existing 69 kV transmission line near Structure Number 100 in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi and run generally Easterly approximately 0.2 mile to the proposed SMEPA Southeast Greene 230:161:69 kV substation in the Southwest 1/4 of the Northwest 1/4 of Section 29, Township 1 North, Range 5 West, Greene County, Mississippi.

Form 7
Rev. 1/26/94

ATTACH THIS FORM TO THE 424 APPLICATION FORM

A-95 FORM 101

PREAPPLICATION:

APPLICATION:

APPLICANT NAME: South Mississippi Electric Power Association

COUNTY PROJECT LOCATION: Greene

NAME OF EXECUTIVE DIRECTOR: James Compton

NUMBER OF PEOPLE EMPLOYED BY THIS PROJECT: 100

NAMES OF BOARD OF DIRECTORS:

Harlan B. Rogers, President
Robert Occhi
Douglas Mooney
C. H. Shelton
Percy McCaa
R.W. Robertson
Lee Hedegaard
Henry C. Waterer
William D. Smith
Ralph Hicks
Warren Hammett
Donald Jordan
L.G. Pierce, Sec.-Treas
W. T. Shows, Acting Sec.-Treas.
Vesper Bagley
Giles Bounds
John McCabe
J. T. Dudley, Jr.
William H. Hardin
Garland Parish
Billy Key Smith
B.N. Simrall, III

Appendix

B

STATE OF MISSISSIPPI
DEPARTMENT OF FINANCE AND ADMINISTRATION

MEMORANDUM

TO: SOUTH MISSISSIPPI ELECTRIC
POWER ASSOCIATION
P.O. BOX 15849
HATTIESBURG MS 39404 5849

DATE: APR 17 2006

FROM: STATE CLEARINGHOUSE FOR FEDERAL PROGRAMS

SUBJECT: REVIEW COMMENTS - Activity:
SOUTHEAST GREENE SUBSTATION PROJECT, GREENE COUNTY, MS.

State Application Identifier Number MS051222-003

Location: GREENE

Contact: JOSEPH A. WARD

The State Clearinghouse, in cooperation with state agencies interested or possibly affected, has completed the review process for the activity described above.

INTERGOVERNMENTAL REVIEW PROCESS COMPLIANCE:

(✓) We are enclosing the comments received from the state agencies for your consideration and appropriate actions. The remaining agencies involved in the review did not have comments or recommendations to offer at this time. A copy of this letter is to be attached to the application as evidence of compliance with Executive Order 12372 review requirements.

( ) Conditional clearance pending Archives and History's approval.

( ) None of the state agencies involved in the review had comments or recommendations to offer at this time. This concludes the State Clearinghouse review, and we encourage appropriate action as soon as possible. A copy of this letter is to be attached to the application as evidence of compliance with Executive Order 12372 review requirements.

( ) The review of this activity is being extended for a period not to exceed 60 days from the receipt of notification to allow adequate time for review.

COASTAL PROGRAM COMPLIANCE (Coastal area activities only):

( ) The activity has been reviewed and complies with the Mississippi Coastal Program. A consistency certification is to issued by the Mississippi Department of Marine Resources in accordance with the Coastal Zone Management Act.

( ) The activity has been reviewed and does not comply with the Mississippi Coastal Program.

1301 Woolfolk Building, Suite E • Jackson, Mississippi 39201 • (601) 359-6762 • Fax (601) 359-6758

MISSISSIPPI Department of
MDA&H
ARCHIVES & HISTORY

HISTORIC PRESERVATION
PO Box 571, Jackson, MS 39205-0571
601-576-6940 • Fax 601-576-6955
mdah.state.ms.us

April 10, 2006

Mr. Joseph A. Ward
South Mississippi Electric
Power Association
Post Office Box 15849
Hattiesburg, Mississippi 39404

Dear Mr. Ward:

RE: Cultural Resources Survey of 15 acre tract of land, Greene County, report #06-100

We have reviewed the March 27, 2006, cultural resources survey report of Mr. James Lauro for the above referenced undertaking. No sites or properties listed in or eligible for listing in the National Register of Historic Places will be affected. We, therefore, have no further reservations with this undertaking.

In addition, we are not aware of any potential of this undertaking to affect Indian cultural or religious sites. However, if you require confirmation of this, the tribal entities will have to be contacted directly.

There remains a very remote possibility that unrecorded cultural resources may be encountered during construction. If this occurs, we would appreciate your contacting this office immediately in order that we may offer appropriate comments under 36 CFR 800.13 within forty-eight hours. Your continued cooperation is appreciated.

Sincerely,

H. T. Holmes
State Historic Preservation Officer

Thomas H. Waggener

By: Thomas H. Waggener
Review and Compliance Officer

cc: Clearinghouse for Federal Programs

MS051222-003

MISSISSIPPI Department of
MDAH
ARCHIVES & HISTORY

HISTORIC PRESERVATION
PO Box 571, Jackson, MS 39205-0571
601-576-6940 • Fax 601-576-6955
mdah.state.ms.us

January 9, 2006

Mr. Joseph A. Ward
South Mississippi Electric
Power Association
Post Office Box 15849
Hattiesburg, Mississippi 39404

Dear Mr. Ward:

RE: Proposed construction of a distribution substation and transmission lines in S29, T1N, R5W, Greene County

We have reviewed your December 20, 2005, request for cultural resource assessment of the above mentioned undertaking in accordance with our responsibilities under Section 106 of the National Historic Preservation Act, as amended and 36 CFR Part 800.

Due to the possibility that unrecorded archaeological sites may exist, a cultural resources survey should be conducted. Upon receipt of the cultural resources survey, we will be able to offer appropriate comments. The survey should also include information and photographs which are keyed to the map about any structures fifty years old or older in the area affected.

A list of individuals who have represented themselves as being willing and qualified to do archaeological survey work in Mississippi will be furnished upon request. A copy of this letter should be made available to the contracting archaeologist. In addition, when the survey is submitted, any development in the area such as roads, bridges, or buildings should be specifically located on a map of sufficient scale for us to locate the project area and its boundaries, preferably a photocopy or original of a USGS 7.5 quadrangle map. If you have any questions about this letter, please contact Pam Edwards at (601) 576-6940.

Sincerely,

Thomas H. Waggener

Thomas H. Waggener
Review and Compliance Officer

cc: Clearinghouse for Federal Programs

Regional Clearinghouse No. SMPDD-0604-001
State Clearinghouse No. MS051222-003

SOUTHERN MISSISSIPPI PLANNING AND DEVELOPMENT DISTRICT
REGIONAL CLEARINGHOUSE FOR FEDERAL PROGRAMS
REVIEW AND COMMENTS

January 4, 2006

Mr. Joseph A. Ward
South Mississippi Electric Power Association
P.O. Box 15849
Hattiesburg, MS 39404-5849

Project Description: Southeast Greene Substation Project.

(X) 1. The Regional Clearinghouse has received notification of intent to apply for Federal assistance as described above.

(X) 2. The Regional Clearinghouse has reviewed the application(s) for Federal assistance described above.

( ) 3. The Regional Clearinghouse has notified the appropriate metropolitan, local, and regional organizations and is awaiting notification of their interest on the project.

( ) 4. After proper notification, no local or regional agency (or other appropriate organization) has expressed an interest in conferring with the applicant(s) or commenting on the proposed project.

(X) 5. The proposed project is (X) consistent ( ) inconsistent with the Overall Economic Development Plan for the Southern Mississippi Planning and Development District.

( ) 6. Although a _____ plan does not presently exist for _____, the proposed project appears to be ( ) consistent ( ) inconsistent with the regional goals and objectives.

(X) 7. This notice constitutes FINAL REGIONAL CLEARINGHOUSE REVIEW AND COMMENT. The requirements of FEDERAL EXECUTIVE ORDER NO. 12372 AND THE STATE OF MISSISSIPPI EXECUTIVE ORDER NO. 486 have been met at the Regional level.

COMMENTS: This project is consistent with the policies and objectives of the Southern Mississippi Planning and Development District.

Leslie Newcomb, Executive Director

cc. Janet Riddell

EO 12372
WEEKLY LOG
PGM=N150

STATE OF MISSISSIPPI
STATE CLEARINGHOUSE FOR FEDERAL PROGRAMS

DATE 12/22/05
12/28/05

MS APPLICANT NO.: MS051222-003
IMPACT AREA(S): GREENE

APPLICANT:
SOUTH MISSISSIPPI ELECTRIC
POWER ASSOCIATION
P.O. BOX 15849
HATTIESBURG MS 39404-5849

CONTACT: JOSEPH A. WARD
PHONE: (601) 268-2083

FEDERAL AGENCY: USDA-RURAL UTILITIES SERVICE

FUNDING: FEDERAL $ 5,735,000 APPLICANT STATE
LOCAL OTHER PROGRAM
TOTAL $ 5,735,000

DESCRIPTION: SOUTHEAST GREENE SUBSTATION PROJECT, GREENE COUNTY, MS.

CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER

1301 WOOLFOLK BLDG., SUITE E - JACKSON, MS 39201 (601) 359-6762

- THIS IS AN ACKNOWLEDGEMENT ONLY -

STATE AGENCIES MUST REVIEW CERTAIN PROPOSALS PRIOR TO RECEIVING MISSISSIPPI INTERGOVERNMENTAL REVIEW PROCESS CLEARANCE. THE MISSISSIPPI DEPARTMENT OF ARCHIVES AND HISTORY REVIEWS ANY PROPOSALS INVOLVING CONSTRUCTION, SUCH AS A HIGHWAY OR AN APARTMENT COMPLEX FOR COMPLIANCE WITH CULTURAL RESOURCES AND HISTORIC PRESERVATION. MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF POLLUTION CONTROL, REVIEWS APPLICATIONS IN ACCORDANCE WITH THE FEDERAL WATER POLLUTION CONTROL ACT. THE MISSISSIPPI DEPARTMENT OF MARINE RESOURCES REVIEWS APPLICATIONS FOR CONSISTENCY WITH THE COASTAL PROGRAM.

IF APPLICATIONS ARE FOR PROJECTS OF LOCAL IMPACT, THEY SHOULD BE SENT TO THE APPROPRIATE PLANNING AND DEVELOPMENT DISTRICT AT THE SAME TIME. PLEASE NOTE THAT ONE OF OUR REQUIREMENTS IS THE USE OF STANDARD FORM 424. THE DEPARTMENT OF FINANCE AND ADMINISTRATION PREPARES AND DISTRIBUTES A WEEKLY LOG LISTING PERTINENT INFORMATION CONTAINED ON THIS FORM. OUR ADDRESS IS 1301 WOOLFOLK BLDG., SUITE E - JACKSON , MS 39201 AND OUR PHONE NUMBER IS (601)359-6762.

the District

SOUTHERN MISSISSIPPI PLANNING AND DEVELOPMENT DISTRICT • 9229 HIGHWAY 49 GULFPORT, MISSISSIPPI 39503 • (228) 868-2311 FAX (228) 868-7094

January 4, 2006

Mr. Joseph A. Ward
South Mississippi Electric Power Association
P.O. Box 15849
Hattiesburg, MS 39404-5849

RE: Southeast Greene Substation Project.

Dear Mr. Ward:

I have enclosed the Review and Comments from the Southern Mississippi Planning and Development District Regional Clearinghouse for Federal Programs regarding your application for the work stated above. This project will be located in Greene County.

If you require further information concerning the regional review, please do not hesitate to contact me.

Sincerely,

Andrea D. Petro

Andrea Petro
Clearinghouse Coordinator

Attachment

cc. Janet Riddell
Clearinghouse Officer
Department of Finance and Administration
501 North West Street
1301 Woolfolk Building, Suite E
Jackson, MS 39201

Regional Clearinghouse No. SMPDD-0604-001
State Clearinghouse No. MS051222-003

SOUTHERN MISSISSIPPI PLANNING AND DEVELOPMENT DISTRICT
REGIONAL CLEARINGHOUSE FOR FEDERAL PROGRAMS
REVIEW AND COMMENTS

January 4, 2006

Mr. Joseph A. Ward
South Mississippi Electric Power Association
P.O. Box 15849
Hattiesburg, MS 39404-5849

Project Description: Southeast Greene Substation Project.

(X) 1. The Regional Clearinghouse has received notification of intent to apply for Federal assistance as described above.

(X) 2. The Regional Clearinghouse has reviewed the application(s) for Federal assistance described above.

( ) 3. The Regional Clearinghouse has notified the appropriate metropolitan, local, and regional organizations and is awaiting notification of their interest on the project.

( ) 4. After proper notification, no local or regional agency (or other appropriate organization) has expressed an interest in conferring with the applicant(s) or commenting on the proposed project.

(X) 5. The proposed project is (X) consistent ( ) inconsistent with the Overall Economic Development Plan for the Southern Mississippi Planning and Development District.

( ) 6. Although a _____ plan does not presently exist for _____, the proposed project appears to be ( ) consistent ( ) inconsistent with the regional goals and objectives.

(X) 7. This notice constitutes FINAL REGIONAL CLEARINGHOUSE REVIEW AND COMMENT. The requirements of FEDERAL EXECUTIVE ORDER NO. 12372 AND THE STATE OF MISSISSIPPI EXECUTIVE ORDER NO. 486 have been met at the Regional level.

COMMENTS: This project is consistent with the policies and objectives of the Southern Mississippi Planning and Development District.

Leslie Newcomb, Executive Director

cc. Janet Riddell

Appendix

C

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mississippi Field Office
6578 Dogwood View Parkway, Suite A
Jackson, Mississippi 39213
February 10, 2006

Mr. Joseph A. Ward
South Mississippi Electric Power Association
Post Office Box 15849
Hattiesburg, Mississippi 39404-5849

Dear Mr. Ward:

The U.S. Fish and Wildlife Service (Service) received your letters dated February 9, 2006, regarding the construction of a field operation center in Forrest County, and a power substation and lines in Greene County, Mississippi. In December 2005, and January 2006, respectively, the Service recommended field surveys for the several federally listed species that might occur on the subject sites.

On January 23, 2006, Dr. J. William Cliburn conducted a survey for the threatened gopher tortoise (*Gopherus polyphemus)* and the endangered Red-cockaded woodpecker *(Pocoides borealis)* on the Forrest County site. No evidence of either species was found.

On January 25 and 31, 2006, Dr. Cliburn conducted a survey for the Red-cockaded woodpecker, the threatened Eastern indigo snake *(Drymarchon corais couperi),* the threatened bald eagle *(Haliaeetus leucocephalus),* the threatened Louisiana black bear *(Ursus americanus luteolus),* and the endangered Louisiana quillwort *(Isoetes louisianensis)* on the Greene County site. No evidence of any these species was found.

However, a survey for the gopher tortoise determined that an active gopher tortoise burrow was located some 100-200 feet off site of the construction area. Dr. Cliburn determined that there would be no adverse impacts to this burrow or any individual, but recommended that temporary restraining fencing be erected to protect the burrow. It is our opinion that fencing is not necessary, and could be damaging if not placed correctly. Therefore, we recommend that the flagging be maintained at the burrow, but no fencing be erected.

This will conclude informal consultation as provided for in the Endangered Species Act (16 U.S.C. 1531 et seq.). However, if evidence of the any of these species is found on either project site during construction, all work activities should cease until this office is notified.

If you have any additional questions, please contact this office, telephone: (601) 321-1132.

Sincerely,

Kathy W. Lunceford
Fish and Wildlife Biologist

South Mississippi
Electric Power Association

"The Cooperative's Cooperative"

February 9, 2006

Kathy W. Lunceford
U.S. Fish & Wildlife Service
6578 Dogwood View Parkway, Suite A
Jackson, MS 39213

Dear Ms. Lunceford:

As recommended in your correspondence of January 5, 2006, South Mississippi Electric Power Association (SMEPA) employed the services of J. William Cliburn, Ph.D. to conduct a survey of the Southeast Greene Substation Project in Greene Co. for the following federal listed species:

- Gopher Tortoise
- Eastern Indigo Snake
- Red-Cockaded Woodpecker
- Louisiana Black Bear
- Black Pine Snake
- Louisiana Quillwort
- Bald Eagle

A copy of Dr. Cliburns' report is attached. In summary, he concluded that the proposed project be permitted in view of the finding that no adverse impact would occur on the species of interest.

SMEPA respectfully requests clearance from your office for this project with regard to endangered species coordination. As always, thanks for your guidance on this and all construction projects.

Sincerely,

Joseph A. Ward
Director of Environmental Affairs & Fuels

Cc: Terry Lee – SMEPA
Marcus Ware – SMEPA

P.O. BOX 15849, HATTIESBURG, MS 39404-5849 7037 U.S. HIGHWAY 49, HATTIESBURG, MS 39402 TELEPHONE (601) 268-2083 FAX (601) 261-2374

Biological Survey

Gopher Tortoise *(Gopherus polyphemus)*
Eastern Indigo Snake *(Drymarchon corais couperi)*
Black Pine Snake *(Pituophis melanoleucus lodingi)*
Bald Eagle *(Haliaeetus leucocephalus)*
Red-Cockaded Woodpecker *(Picoides borealis)*
Louisiana Black Bear *(Ursus americanus luteolus)*
Louisiana Quillwort *(Isoetes louisianensis)*

Southeast Greene substation site and lines
T 1 N, R 5 W, Sec 29
Greene County, Mississippi

Report prepared for

South Mississippi Electric Power Association
P. O. Box 15849
Hattiesburg, Mississippi 39402-5849

By

J. William Cliburn, Ph.D.
Consulting Biologist
2606 Sutton Place
Hattiesburg, Mississippi 39402-2743

February 7, 2006

February 7, 2006

To: Mr. Joseph A. Ward South Mississippi EPA P.O. Box 15849 Hattiesburg, MS 39402-5849	***From:*** J. William Cliburn, Ph.D. Consulting Biologist 2606 Sutton Place Hattiesburg, MS 39402-2743

Work Done: Survey for threatened and endangered animals and a plant on proposed substation site for South Mississippi Electric Power Association.

Work Location: T 1 N, R 5 W, NW 1/4 Sec 29. Greene County, Mississippi.

Dates of Survey: January 25, 31, 2006

Details of Survey: See attached report.

Summary of Report: Total survey. Surveyed area is sparse pine forest with dense hardwood shrub layer. No indication of any species of interest on site. One tortoise burrow outside work area on existing power line ROW west of construction site.

Conclusion: No impact from proposed work on any animal of interest.

Recommendation: Proposed project be permitted.

J. William Cliburn, Ph.D.

February 7, 2006

To: Mr. Joseph A. Ward
South Mississippi EPA
P.O. Box 15849
Hattiesburg, MS 39402

From: J. William Cliburn, Ph.D.
Consulting Biologist
2606 Sutton Place
Hattiesburg, MS 39402-2743

Abstract. Survey for threatened animals performed. Proposed construction site at T 1 N, R 5 W, Sec 29, in SE Greene County, Mississippi. No species of interest. No impact.

---

1. Description of Project. Construction of electric substation and connecting power lines.

2. Map Reference. USGS Vernal Quadrangle, 7.5 Minute Series (Topographic): T 1 N, R 5 W, 36 acres in SW 1/4 NW 1/4 Section 29. Greene County, Mississippi.

3. Preliminary Statement. On January 25, 31, 2006, a survey was conducted on the previously described site for the following protected animals, under authorization from Mr. Joseph A. Ward, of South Mississippi Electric Power Association.

Gopher Tortoise *(Gopherus polyphemus)*
Eastern Indigo Snake *(Drymarchon corais couperi)*
Black Pine Snake *(Pituophis melanoleucus lodingi)*
Bald Eagle *(Haliaeetus leucocephalus)*
Red-Cockaded Woodpecker *(Picoides borealis)*
Louisiana Black Bear *(Ursus americanus luteolus)*
Louisiana Quillwort *(Isoetes louisianensis)*

4. Survey Methods. Preliminary work included a literature study of edaphic, hydrologic, topographic, and floral features in order to identify potential habitat, and a review of my files for the occurrence of the subject species in the area, after which a field survey was conducted by walking transects where necessary until a total survey was done as required. A cursory visual inspection was made of adjacent areas which could possibly have provided habitat for any of the species, or sources of immigrants.

5. Limitations of Survey. Field observations are believed to be accurate as of the survey date, and conclusions to be correct.

6. Results of Survey. 6a. Habitat Survey. Surface soils are gray sandy loam, not further identified. Topography is rather flat and uniform over approximately the southeastern half of the site along the east and most of the south border road, at an elevation of about 300 feet. Elevations are between 250 and 300 feet on approximately the northwestern half, which slopes to the south, west, and north. Surface drainage is poor in the flat zone and good elsewhere. Local roads lie along the east, south, and southern half of the west boundaries. The northern half of the west boundary adjoins woods which are a continuation of those on site; open fields are across the road on the southern half of the west boundary, and an open field adjoins the north boundary of the site. Electric delivery lines lie along these roads. A 230 KV power line runs diagonally from southwest-northeast across the site near the southern boundary, and a 69 KV line runs north-south along

the western boundary. Both rights-of-way provide clearings through the woods which may be attractive habitat for the Gopher Tortoise. Residences are nearby, and a grazed field adjoins the site to the west and north. The open fields to the west and north of the site are potential sources of immigrant tortoises. In my judgement, marginal habitat for the tortoise and snakes occurs in the hilly land on site, but not on the flats. There is nothing useful to the woodpecker, eagle, or bear. No lotic aquatic habitat is present which could support the quillwort.

6b. Biological Survey. The entire site is wooded with a somewhat sparse natural growth of pine trees, too scattered to form a canopy. These are generally about eight inches diameter at breast height, with a few being up to 10 inches, and many being much smaller than eight; height is up to estimated 80 feet. A few large hardwood trees are randomly scattered among the pines. Shrub layer is dense, dominated by yaupon, and including gallberry, huckleberry, and other shrubs, vines, and small trees typical of pine woods in the lower Coastal Plain. Broom sage and specifically unidentified woods grasses are components of the ground cover in more open places. Trees useful to the Red-Cockaded Woodpecker are not present on site or immediate environs. Close inspection of the construction site failed to reveal any species of interest.

An apparently active tortoise burrow is located on the existing 69 KV line ROW, approximately 100 feet south of a line between surveyor markers

PT 180 and Pt 181 (near the point where the border road turns abruptly toward the west), and near marker PT 104. The location is well marked and the burrow is tagged with tape designated Gp # 01. A second burrow (Gp 02, very old, abandoned, partially collapsed) is found almost on the center line of the 69 KV line ROW, about 300 feet north of Gp # 01. This burrow is of no significance except to indicate tortoise habitat.

7. Discussion and Conclusion. The area is too small and ecologically limited to be critical to any of the biota of interest, which are absent for various reasons, primarily involving lack of optimal habitat and timber removal. The tortoise, snakes, and woodpecker may have occurred on parts of the site in the remote past before destruction of the original forest, as pine dominated woods and/or well-drained sandy loam soils would have favored these animals. The eagle and bear may have wandered across, but the site was not important to either of them. No aquatic habit for the quillwort is present and it never occurred on the site.

The tortoise burrow noted above may technically be within the delineated boundaries of the site, but is outside the area which will be impacted by construction. However, because of its proximity to the construction area, it is recommended that a temporary restraining fence (15 feet square or equivalent area) be placed around the burrow and that workers avoid its vicinity and are careful not to disturb it.

If the above recommendation is followed, construction and utilization of the proposed facility will not have a harmful impact on any species of concern.

8. Recommendation. Considering the absence of all species of interest, the recommendation is made that the work be permitted.

J. William Cliburn, Ph.D.

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mississippi Field Office
6578 Dogwood View Parkway, Suite A
Jackson, Mississippi 39213

January 5, 2006

Mr. Joseph A. Ward
South Mississippi Electric Power Association
Post Office Box 15849
Hattiesburg, Mississippi 39404-5849

Dear Mr. Logue:

The U.S. Fish and Wildlife Service (Service) has received your request for information regarding federally listed species that may be found in Green County, Mississippi. South Mississippi Electric Power Association of Hattiesburg proposes to construct a substation and utilities lines near an existing right-of-way. Our comments are submitted in accordance with the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

The following species could be affected by any **habitat disturbing** activities:

The threatened gopher tortoise (*Gopherus polyphemus*) inhabits well-drained sandy soils, especially in areas of longleaf pine. The gopher tortoise digs a burrow used as a shelter and nesting area. Groups of these tortoises dig burrows in the same location forming a colony. Gopher tortoises are attracted to the low growing vegetation normally found on utility ROWs. In addition, the threatened eastern indigo snake (*Drymarchon corais couperi*) is known to inhabit gopher tortoise burrows.

The endangered red-cockaded woodpecker (*Picoides borealis*) excavates nesting cavities in mature pine trees (60+ years old). A mated pair of birds and all helper birds forms a clan. A cluster of cavity trees where the clan nests and roosts is called a colony. All cavity trees, active and inactive, are important to the colony and should therefore be avoided. Also, older (30+ years) pine stands within a half-mile of a colony should be considered foraging habitats and should not be disturbed.

The federally listed threatened Louisiana black bear (*Ursus a. luteolus*) occurs primarily in bottomland hardwood and floodplain forests along the Mississippi River and the southern part of the state. Although the bear is capable of surviving under a range of habitat types, some necessary habitat requirements include hard mast, soft mast, escape cover, denning sites, forested corridors, and limited human access. Forest management practices, agricultural, commercial and industrial development, and highways can cause adverse impacts to bear habitat by increasing

human disturbance, fragmenting forests, and removing den trees.

The black pine snake (*Pituophis melanoleucus* ssp. *lodingi*), a Candidate Species, prefers uplands with well-drained sandy soils in areas of longleaf pine and hardwood tree species. Candidates are those species currently under review for possible addition to the federal listed of threatened or endangered species. All efforts should be made to avoid harm or harassment to this species.

The endangered plant Louisiana quillwort (*Isoetes louisianensis*) is a nonflowering grasslike plant that lives in water or in very wet habitats. Mature plants are six to ten inches long, mostly evergreen, with spore-bearing structures below ground.

The threatened bald eagle (*Haliaeetus leucocephalus*) is the only species of "sea eagle" regularly occurring on the North American continent. The bald eagle is predominantly a winter migrant in the southeast; however, increasing occurrences of nesting have been observed. The bald eagle nests in the transitional area between forest and water. They construct their nests in dominant living pines or bald cypress trees. Eagles often use alternate nests in different years with nesting activity beginning between September and January of each year. Young are usually fledged by midsummer.

All of the above listed species are very sensitive to human disturbance. Therefore, before the use or transportation of any heavy construction equipment, or the removal of any vegetation **within potential habitats**, the Service recommends a qualified biologist conduct a visual survey for these species. Areas surveyed should also include ingress and egress areas, equipment storage areas, and staging areas. If any of these species or their habitats is identified, further consultation with the Service will be necessary.

If you have any additional questions, please feel free to contact this office, telephone: (601) 321-1132.

Sincerely,

Kathy W. Lunceford

Kathy W. Lunceford
Fish and Wildlife Biologist

Appendix

D

DEPARTMENT OF THE ARMY
MOBILE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 2288
MOBILE, ALABAMA 36628-0001

REPLY TO
ATTENTION OF:

January 23, 2006

Regulatory Division

SUBJECT: No Permit Required For Utility Projects in Jackson, Greene, and Forrest Counties, Mississippi - Jurisdictional Number MSJ05-04874-S

South Mississippi Electric Power Association
Attention: Mr. Joseph Ward
Post Office Box 15849
Hattiesburg, Mississippi 39404-5849

Dear Mr. Ward:

Reference is made to your letters requesting permitting requirements for various electric utility projects located in southern Mississippi. These projects include the construction of the Kittrell 69 kV electric transmission line in Greene County, the construction of the Vancleave-Joe Batt Road 115 kV line in Jackson County, the construction of Southeast Greene Substation in Greene County, and the construction of the Field Operations Center in Forrest County.

A desk review of the materials you submitted was conducted on January 23, 2006. It was determined that a Department of the Army permit pursuant to Section 404 of the Clean Water Act will not be required for the work proposed. The selected building sites for the proposed structures are located on uplands; the work methods used for transmission line construction (see attached) will not result in discharges regulated under Section 404.

Please be advised that this jurisdictional determination reflects current policy and regulation and is valid for a period of 5 years from the date of this letter. If after the 5-year period this jurisdictional determination has not been specifically revalidated by the U.S. Army Corps of Engineers, it shall automatically expire.

The statements contained herein do not convey any property rights or any exclusive privileges, and do not authorize any injury to property or obviate the requirements to obtain other local, State, or Federal assent required by law for the activities discussed above.

If the scope of work or project location changes, you are urged to contact this office for a verification of this determination. Thank you for your cooperation with our permit program. If you have any questions concerning this matter, please contact Mr. Tad M. Zebryk of the Enforcement Branch at (251) 694-3779.

Sincerely,

Tad M. Zebryk
Project Manager
Regulatory Division

Enclosures

RIGHT-OF-WAY CLEARING SPECIFICATIONS

Where TM-12-50 (50' Unit), TM-12-100 (100' Unit), TM-12-175 (175' Unit), and TM-13 (Danger Tree Unit) are specified, the right-of-way shall be cleared in accordance with instructions contained in the Proposal and, in addition, in accordance with the following specifications:

As specified in the proposal, in preparing the right-of-way, trees shall be removed, underbrush cleared, tree stumps, which shall not exceed four inches (4") in height, shall be clear from the ground up and of the width specified in the Description of Units. The Contractor shall not trim or remove shade, fruit, or ornamental trees unless so directed by the Owner.

All trees and brush within the limits of the right-of-way shall be cut by hand operated power saws, manual cut, shear cut, or bush hogged. Any brush or tree shear cut must be sheared in such a manner that the trunk is completely sheared. Mechanical equipment may be used to move and spread brush and trees for and after lopping. Regardless of the clearing method used, the soil must be left in such condition as to not cause erosion.

On right-of-way one hundred (100) feet, and one hundred seventy five (175) feet in width, all trees cut shall have all branches removed from the trunk, then all brush, branches etc., shall, without delay be disposed of by lopping and scattering over the outer edge of the right-of-way, leaving in every case a thirty five (35) foot strip, seventeen and one half (17.5) feet either side of the centerline(s) of the new pole line(s), that is clear of all felled trees, brush, branches and debris. All trees that are cut shall, after all branches have been removed, be left parallel to the center line on the two outer thirty two and one half (32 1/2) feet portions of the (100) feet right-of-way, and the inner forty (40) feet portion of the (175) foot right-of-way. Debris will be omitted opposite structure locations for a (50) foot area to provide equipment access.

Trees and brush must not be left in ditches or streams nor on fence or in woods roads or trails. Any trees or brush cut on highway right-of-way must be removed from the right-of-way and the highway right-of-way left completely free of any trees, branches, or debris.

Where TM-13, Danger Tree Unit, is specified all cut trees shall, where practical, be pulled back on the outer edge of the right-of-way and all branches removed from the trunk. All branches will then be disposed of by lopping and scattering over the outer edge of the right-of-way while the tree will be left parallel to the center line. Where it is impractical to pull the cut

danger tree back on the right-of-way, the branches shall be removed from the trunk.

Fences cut or damaged during construction, where gaps are not used, will be repaired by the Contractor before leaving the property at the end of the day. Such repairs will be made so as to leave the fence in a stock proof condition.

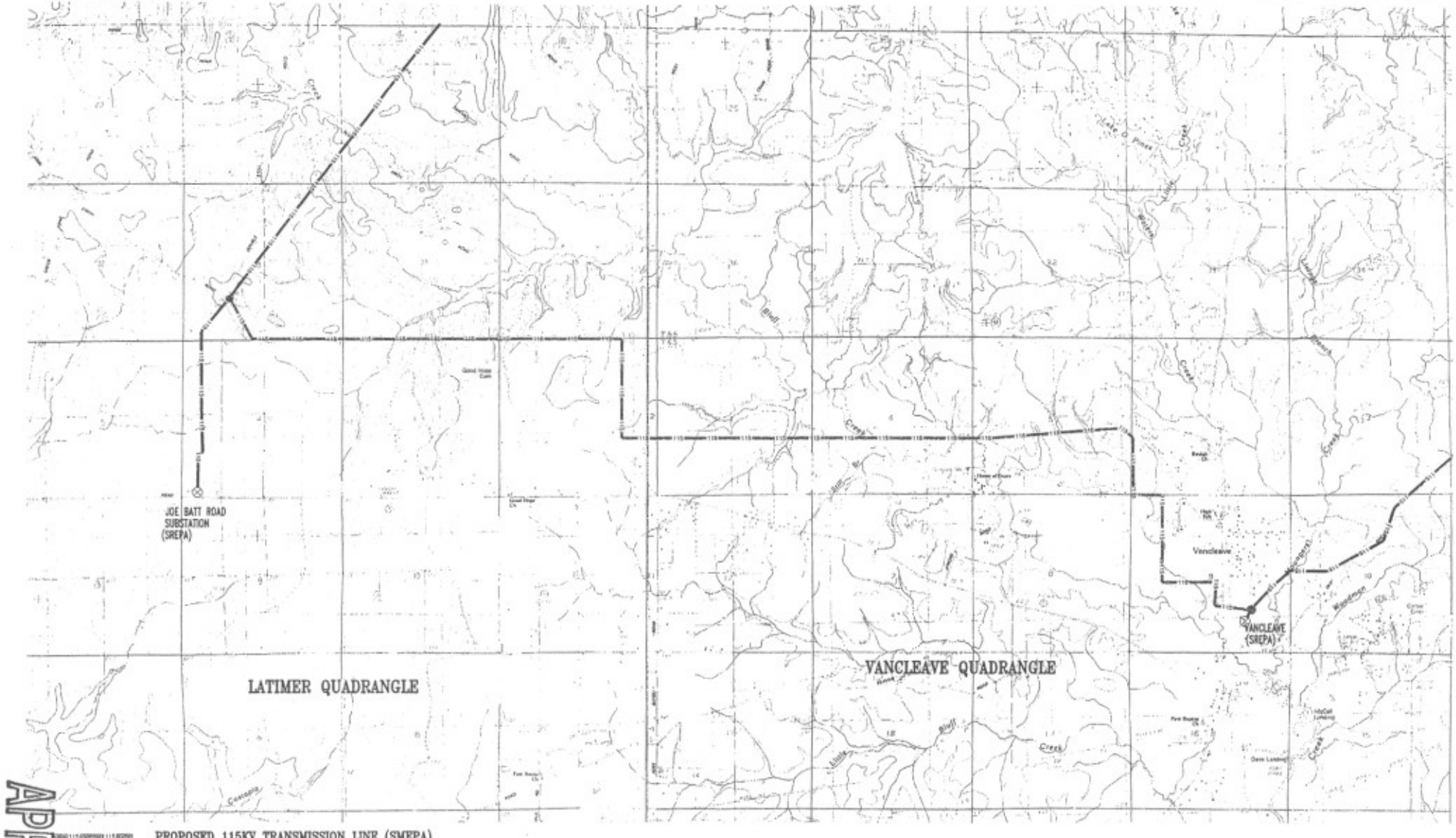
When it is necessary to open or remove a fence during the work, the fence will be braced on each side before opening or removal. Bracing shall be done in accordance with Drawing TM-50.

Gaps shall be placed in fences where openings or removal of fences are necessary to work, at the direction of the Owner. Gaps will be constructed as per Drawing TM-50 at locations as directed by the Owner.

Gates shall be placed in fence where openings or removal of fences are necessary to work, at the direction of the Owner. Gates will be installed as per Drawing TM-51 at locations as directed by the Owner on the job.

In areas where fences are attached to or partially supported by trees or brush which must be cleared, Contractor shall install necessary metal or treated CCA fence posts and repair or replace any broken or deteriorated wire necessary to place fence in "stock proof" condition across the right-of-way using new wire if necessary. In case of question as to the necessity of replacement of deteriorated wire, the Owner's decision shall be final.

All wetland areas are to be cleared in accordance with guidelines stated in the wetland permit and in accordance with the terms and conditions contained in U.S.A.C.E Nationwide Permit No. 12 (see Attached). No access roads, temporary or permanent are to be constructed in designated wetland areas. Trees and brush are not to be disturbed below ground level in designated wetland areas. When possible all heavy equipment will not be allowed in wetland areas, although if heavy equipment is mandatory it could have to be properly matted in order to minimize soil disturbance. All wetland areas will be referenced on the plan and profile sheets.



PROPOSED 115KV TRANSMISSION LINE (SMEPA)

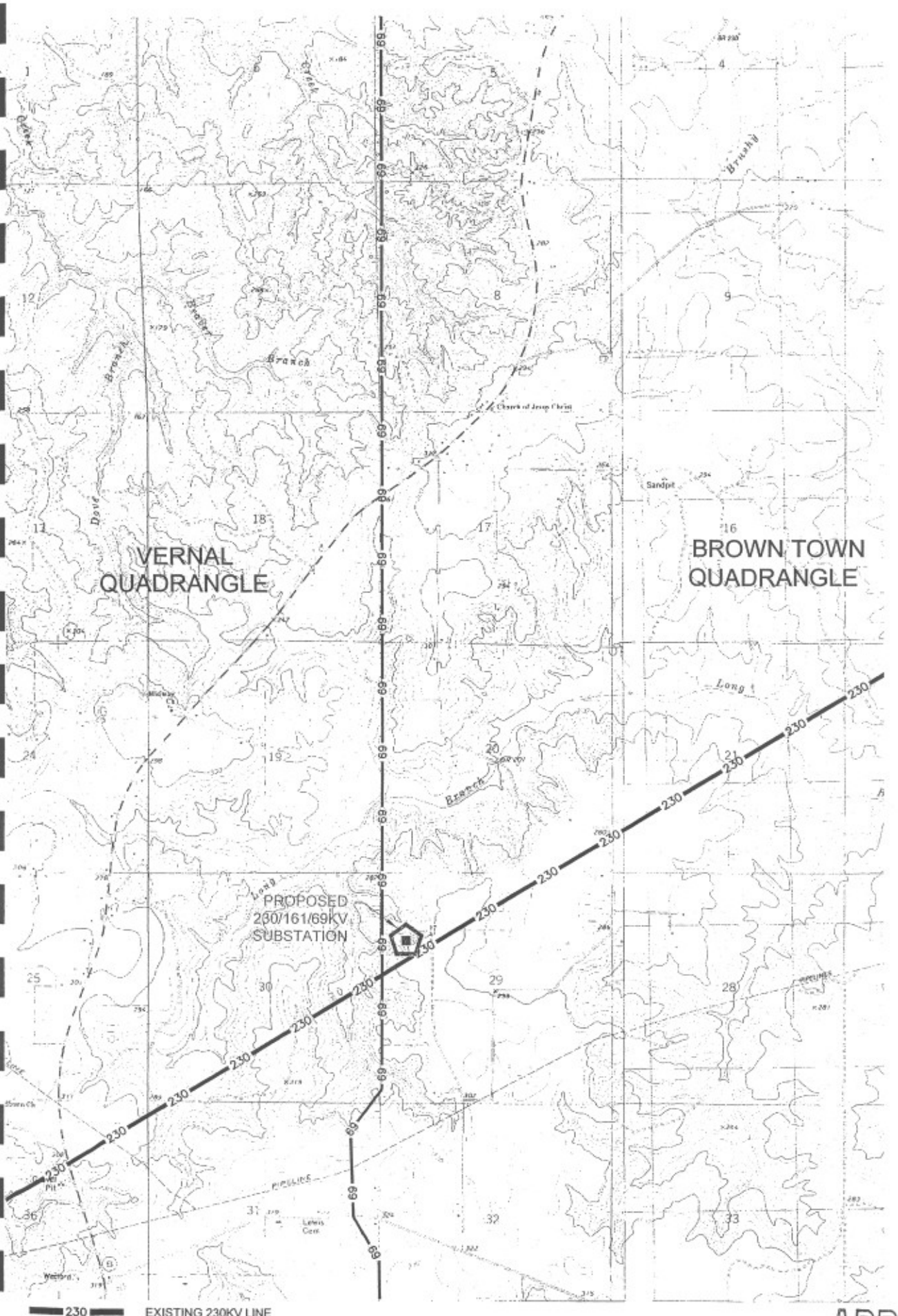
PROPOSED 115KV GOAB SWITCH (SMEPA)

EXISTING 115KV TRANSMISSION LINE (SMEPA)

EXISTING SUBSTATION (SREPA)

JACKSON COUNTy, MISSISSIPPI
SCALE: 1" = 3000'

APPROVED



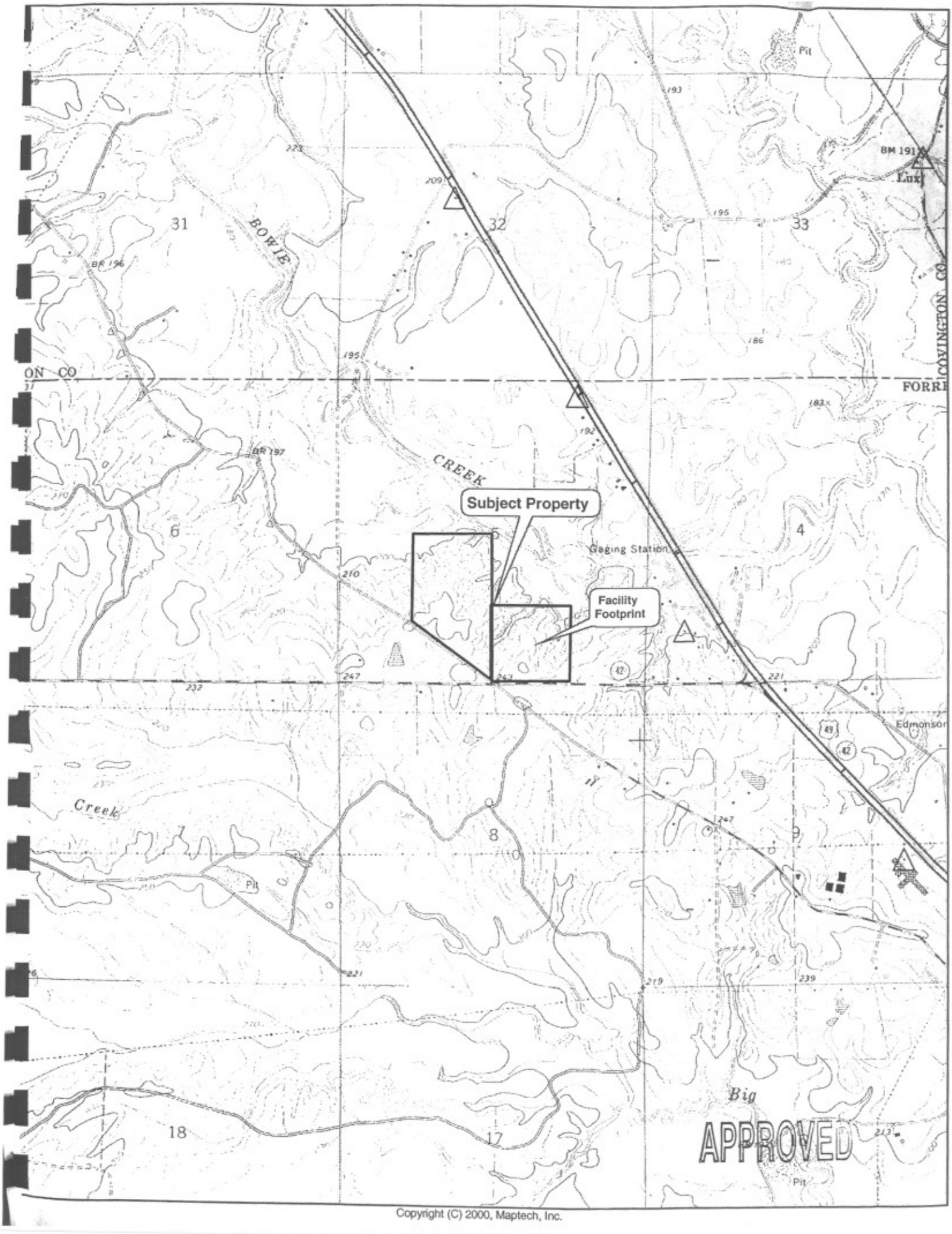
230 EXISTING 230KV LINE

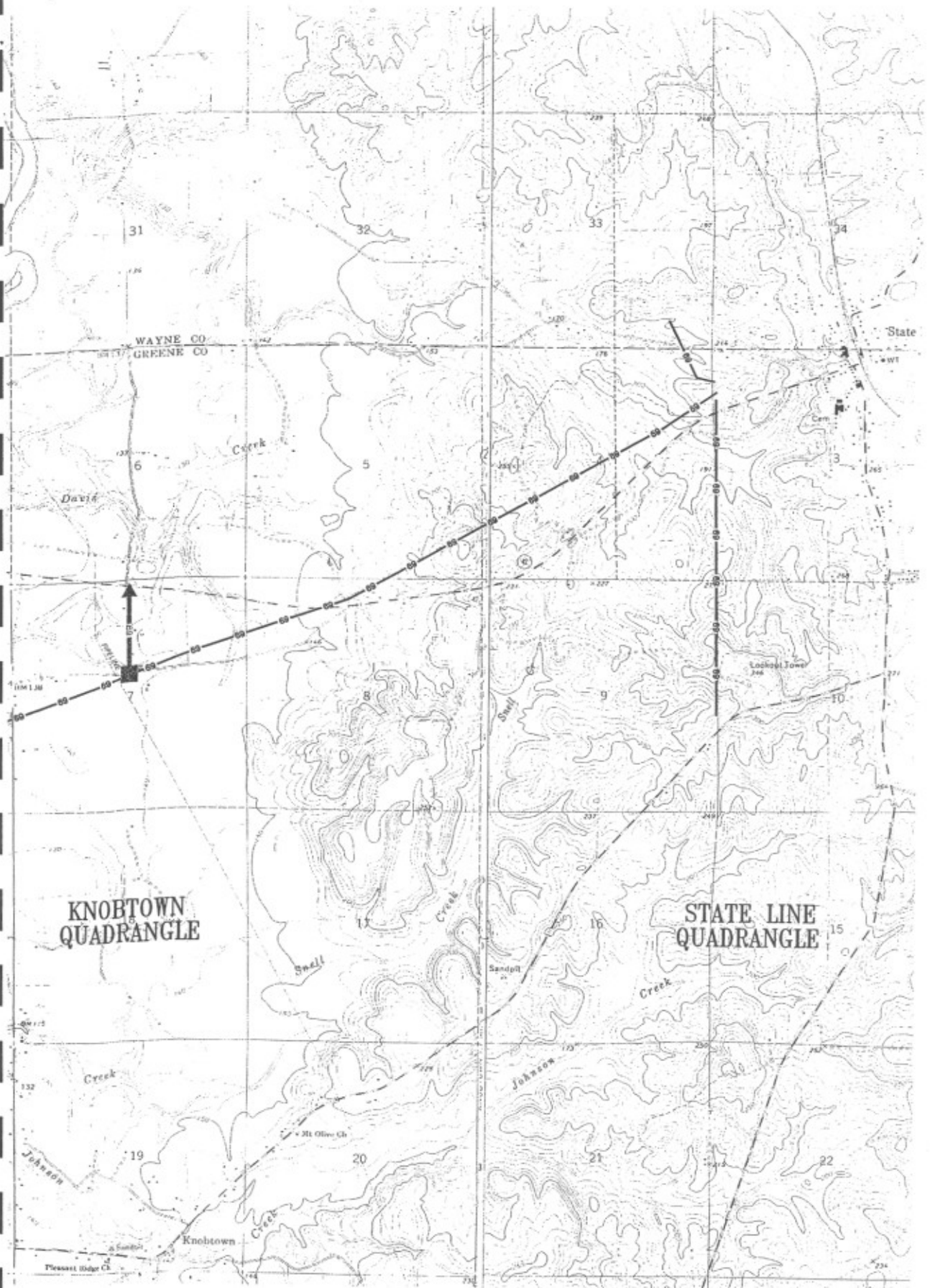
69 EXISTING 69KV LINE

PROPOSED 230/161/69KV SUBSTATION

U.S.G.S. VERNAL QUADRANGLE
GREENE COUNTY, MISSISSIPPI
SCALE: 1" = 2000'

APPROVED


Subject Property
Facility Footprint
Gaging Station
BOWIE
CREEK
Creek
Pit
BM 191
Lux
COVINGTON CO
Edmonson
APPROVED
Big
Pit
31
32
33
6
4
8
9
18
17
BR 196
BR 197
ON CO
FORR
Copyright (C) 2000, Maptech, Inc.



PROPOSED 69KV TRANSMISSION LINE (SMEPA)

PROPOSED 69KV GOAB SWITCH

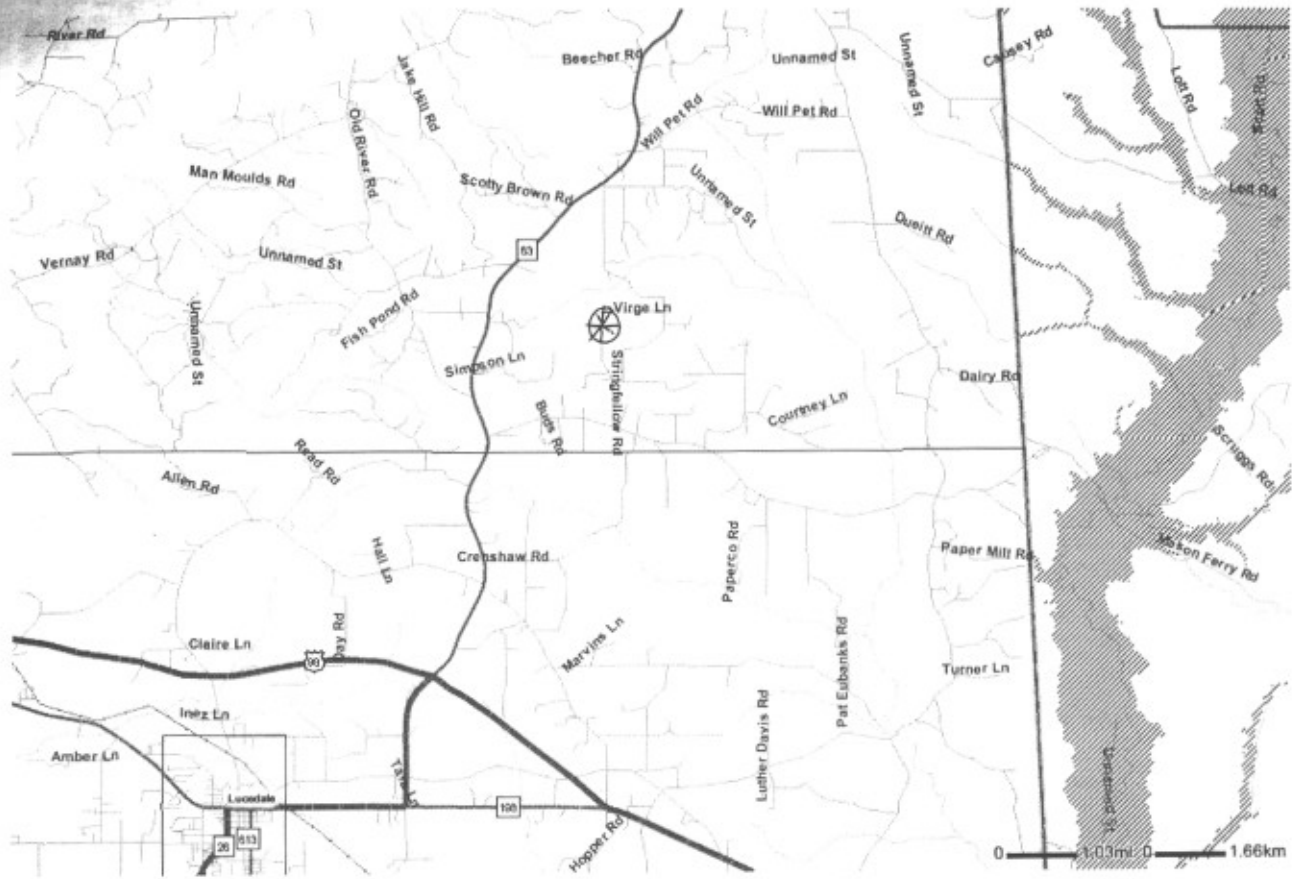
PROPOSED SUBSTATION (SREPA)

EXISTING 69KV TRANSMISSION LINE (SMEPA)

APPROVED

KNOBTOWN & STATE LINE QUADRANGLE MAPS

GREENE COUNTY, MISSISSIPPI
SCALE: 1"=2000'



Mapping Information Platform

southeast greene

This Map Is For Advisory Purposes Only

N
W E
S

Monday, 10 April 2006 16:55

Legend

- Q3 Flood Hazards
- Special Flood Hazard Areas
- LOMR's
- Flood Hazard Zones
- Zone A
- Zone AE
- Zone AH
- Zone AO
- Zone AR
- Zone A99
- Zone V
- Zone VE
- Zone D
- 0.2% Annual Chance Flood Hazard Zone
- Floodways
- Streams
- Political Jurisdictions
- National Communities
- Streets
- Major Highways
- Highways
- Major Roads
- Streets
- Railroads
- Railroads
- States
- Cities
- Places, 1..2,500
- Towns, 2,500..30,000
- Small Cities, 30,000..100,000
- Cities, 100,000..1,000,000
- Major Cities > 1,000,000
- Parks
- National Parks and Forests
- State Parks and Forests
- Minor Rivers
- Land Areas
- US
- Other Countries

✳ Site Location

FEMA

Appendix

E

MISSISSIPPI Department of
MDAH
ARCHIVES & HISTORY

HISTORIC PRESERVATION
PO Box 571, Jackson, MS 39205-0571
601-576-6940 • Fax 601-576-6955
mdah.state.ms.us

April 10, 2006

Mr. Joseph A. Ward
South Mississippi Electric
Power Association
Post Office Box 15849
Hattiesburg, Mississippi 39404

Dear Mr. Ward:

RE: Cultural Resources Survey of 15 acre tract of land, Greene County, report #06-100

We have reviewed the March 27, 2006, cultural resources survey report of Mr. James Lauro for the above referenced undertaking. No sites or properties listed in or eligible for listing in the National Register of Historic Places will be affected. We, therefore, have no further reservations with this undertaking.

In addition, we are not aware of any potential of this undertaking to affect Indian cultural or religious sites. However, if you require confirmation of this, the tribal entities will have to be contacted directly.

There remains a very remote possibility that unrecorded cultural resources may be encountered during construction. If this occurs, we would appreciate your contacting this office immediately in order that we may offer appropriate comments under 36 CFR 800.13 within forty-eight hours. Your continued cooperation is appreciated.

Sincerely,

H. T. Holmes
State Historic Preservation Officer

Thomas H. Waggener

By: Thomas H. Waggener
Review and Compliance Officer

cc: Clearinghouse for Federal Programs

Archaeology Mississippi, Inc.

James Lauro

Cultural Resources Management

Cultural Resource Survey
of 15 Acre Tract of Land
Greene County, Mississippi

James Lauro
Archaeologist

March 27, 2006

Prepared for:
South Mississippi Electric Power Association
Attn: Mr. Joey Ward
P O Box 15849
Hattiesburg, Mississippi 39404-5849

519 East Amite Street
Jackson, Mississippi 39201

P O Box 4853
Jackson, Mississippi 39296

☎ 601-373-8002
601-856-5726 (fax)

Cultural Resource Survey
of 15 Acre Tract of Land
Greene County, Mississippi

At the request of Mr. Joey Ward of South Mississippi Electric Power Association, Hattiesburg, Mississippi, a cultural resource survey was conducted by Archaeology Mississippi, Inc. in Greene County, Mississippi. The area surveyed is a proposed electric substation and three (3) short distance transmission lines located within a 15 acre tract of land. The legal description is Section 29, Township 1 North, Range 5 West (Vernal 7.5' topo map) (figure 4). The literature search was conducted by Michael Starnes (Archaeological Technician). The fieldwork and report compilation were conducted by James Lauro assisted by Michael Starnes on March 21 and 28, 2006.

A literature search was conducted at the Mississippi Department of Archives & History in Jackson, Mississippi. There are no previously recorded archaeological sites within 1 mile of the proposed project. Previously conducted cultural resource surveys include 92-008, 98-239, 01-024, and 02-231.

Most of the acreage has been clear cut and several thin pockets of trees are present (figures 1 & 2). Survey conditions, from a cultural resources perspective, were poor due to the fact that the ground surface was covered by the remnants of the clear-cutting. A walk over survey was supplemented by shovel tests (30 cm. across x 30 cm. deep) dug at approximately 30 meter intervals throughout the project zone (figure 3). All shovel tests were screened through 1/4" mesh. No cultural resources of any type were noted. As well, there are no standing structures present.

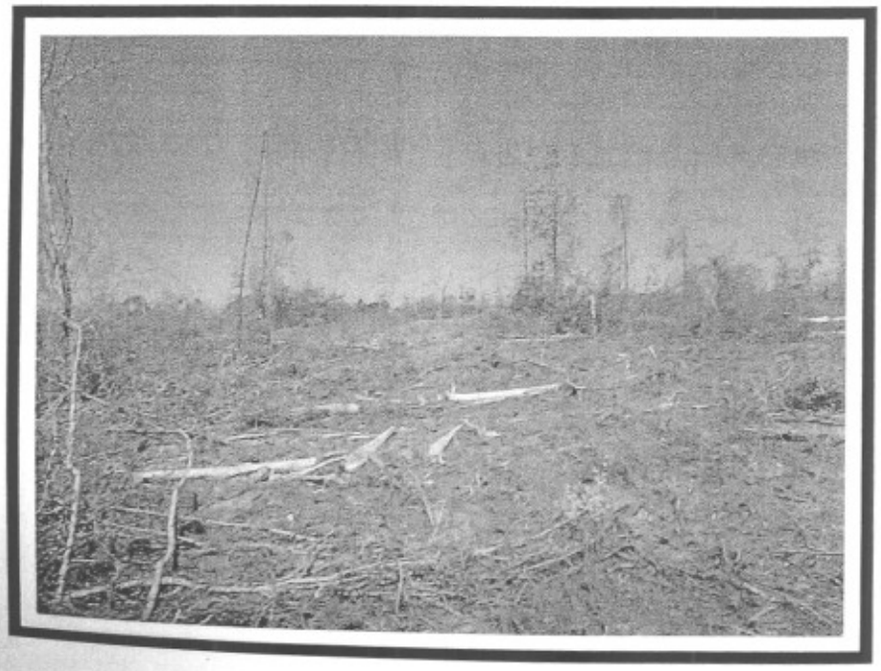


Figure 1

Figure 2

Figure 3

It is therefore the opinion of Archaeology Mississippi, Inc., from a cultural resources perspective, that this project be cleared and proceed in an orderly fashion. A copy of this report has been submitted to the Review & Compliance Officer of the Mississippi Department of Archives & History. In the unlikely event that any cultural resources are uncovered during construction, please contact Archaeology Mississippi, Inc. directly. If we can be of any further assistance, please do not hesitate to contact us.

James Lauro
Archaeologist

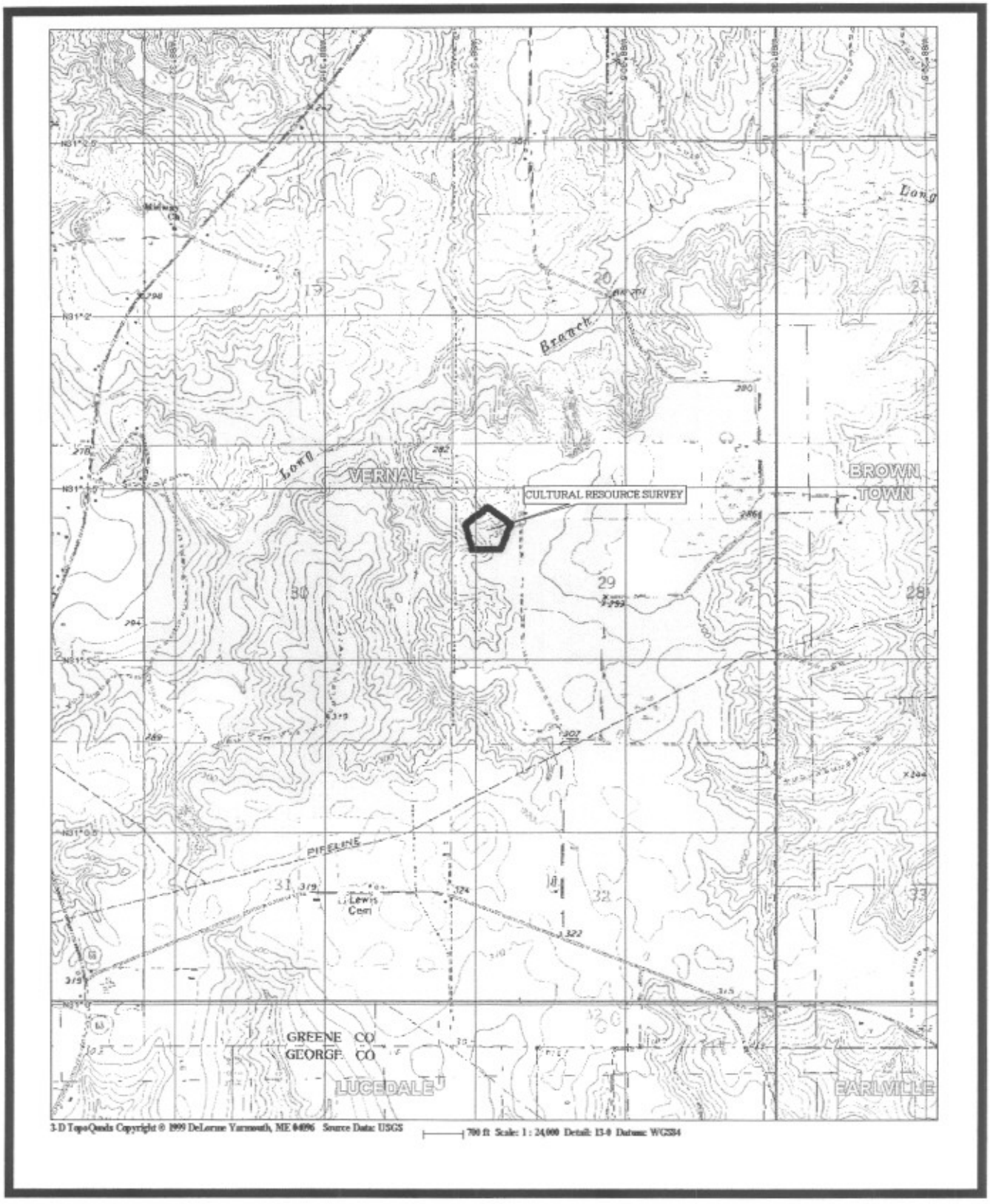

VERNAL
CULTURAL RESOURCE SURVEY
BROWN TOWN
PIPELINE
Lewis Cem
GREENE CO
GEORGE CO
LUCEDALE
EARLVILLE
3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS
700 ft Scale: 1 : 24,000 Detail: 13-0 Datum: WGS84

Figure 4

MISSISSIPPI Department of
MDA&H
ARCHIVES & HISTORY

HISTORIC PRESERVATION
PO Box 571, Jackson, MS 39205-0571
601-576-6940 • Fax 601-576-6955
mdah.state.ms.us

January 9, 2006

Mr. Joseph A. Ward
South Mississippi Electric
Power Association
Post Office Box 15849
Hattiesburg, Mississippi 39404

Dear Mr. Ward:

RE: Proposed construction of a distribution substation and transmission lines in S29, T1N, R5W, Greene County

We have reviewed your December 20, 2005, request for cultural resource assessment of the above mentioned undertaking in accordance with our responsibilities under Section 106 of the National Historic Preservation Act, as amended and 36 CFR Part 800.

Due to the possibility that unrecorded archaeological sites may exist, a cultural resources survey should be conducted. Upon receipt of the cultural resources survey, we will be able to offer appropriate comments. The survey should also include information and photographs which are keyed to the map about any structures fifty years old or older in the area affected.

A list of individuals who have represented themselves as being willing and qualified to do archaeological survey work in Mississippi will be furnished upon request. A copy of this letter should be made available to the contracting archaeologist. In addition, when the survey is submitted, any development in the area such as roads, bridges, or buildings should be specifically located on a map of sufficient scale for us to locate the project area and its boundaries, preferably a photocopy or original of a USGS 7.5 quadrangle map. If you have any questions about this letter, please contact Pam Edwards at (601) 576-6940.

Sincerely,

Thomas H. Waggener

Thomas H. Waggener
Review and Compliance Officer

cc: Clearinghouse for Federal Programs

Appendix

F

United States Department of Agriculture

NRCS

Natural Resources Conservation Service
113 Fairfield Drive, Suite 110
Hattiesburg, MS 39402
(601)296-1173 (phone)
(601)296-1253 (fax)

Subject: LESA Site Assessment, Greene Co. Date: Feb. 1, 2006

To: Joseph Ward
Director of Environmental Affairs and Fuels
South Miss. Power Association
P. O. Box 15849
Hattiesburg, MS 39404-5849

Attached is Farmland Conversion Impact Rating form for power substation site in Greene Co. If I can be of farther assistance call me at 601-296-1173. I also attached a soil map and soils legend for your convenience.

Ralph M. Thornton

Ralph M. Thornton
Area Soil Scientist

cc: Kenny Caves, DC, Waynesboro

U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I *(To be completed by Federal agency)*	Date of Land Evaluation Request: December 20, 2005
Name of Project: Southeast Greene Substation Project	Federal Agency Involved: Rural Utilities Service
Proposed Land Use: Electric Transmission Right-of-Way & Substation	County And State: Greene County, MS
PART II *(To be completed by SCS)*	Date Request Received by SCS: 1/9/06

Does the site contain prime, unique, statewide or local important farmland? *(If no, the FPPA does not apply – do not complete additional parts of this form)* Yes ☒ No ☐

Acres Irrigated	Average Farm Size
—	155

Major Crop(s)	Farmable Land in Govt. Jurisdiction	Amount Of Farmland As Defined in FPPA
Pasture & Trees	Acres: .00038 %	Acres: 54 %
Name of Land Evaluation System Used	**Name Of Local Site Assessment System**	**Date Land Evaluation Returned By SCS**
LESA	LESA	2/1/06

PART III *(To be completed by Federal agency)*		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		6.72			
B. Total Acres To Be Converted Indirectly		7.87			
C. Total Acres In Site		14.59			
PART IV *(To be completed by SCS)* Land Evaluation Information					
A. Total Acres Prime And Unique Farmland		4.8			
B. Total Acres Statewide And Local Important Farmland		0			
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted		.000001			
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value		0			
PART V *(To be completed by SCS)* Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 points)		93			
PART VI *(To be completed by Federal Agency)* Site Assessment Criteria *(These criteria are explained in 7 CFR 658.5(b)*	Maximum Points				
1. Area In Nonurban Use	15	10			
2. Perimeter In Nonurban Use	10	5			
3. Percent Of Site Being Farmed	20	18			
4. Protection Provided By State And Local Government	20	0			
5. Distance From Urban Builtup Area	0	0			
6. Distance To Urban Support Services	0	0			
7. Size Of Present Farm Unit Compared To Average	10	0			
8. Creation Of Nonfarmable Farmland	25	5			
9. Availability Of Farm Support Services	5	5			
10. On-Farm Investments	20	7			
11. Effects Of Conversion On Farm Support Services	25	0			
12. Compatibility With Existing Agricultural Use	10	5			
TOTAL SITE ASSESSMENT POINTS	160	55			
PART VII *(To be completed by Federal Agency)*					
Relative Value Of Farmland *(From Part V) 100*	100	93			
Total Site Assessment *(From Part VI above or a local site assessment)*	160	55			
TOTAL POINTS *(Total of above 2 lines)*	260	148			

Site Selected: | Date of Selection: | Was A Local Site Assessment Used? Yes ☐ No ☐

Reason For Selection:


GREENE COUNTY, MISSISSIPPI
FIELD SHEET NO. 15 B
SCALE 1: 24,000

APPENDIX 4.3.1 - SOIL IDENTIFICATION LEGEND

Field Symbol	Additional Symbols	Map Unit Name
1 (25)		Ochlockonee silt loam, frequently flooded
3A * (2)		Annemaine fine sandy loam, 0 to 2 percent slopes, rarely flooded
3B		Annemaine fine sandy loam, 2 to 5 percent slopes, rarely flooded
4		Ouachita silt loam, frequently flooded
5 (22)		Mantachie fine sandy loam, frequently flooded
6 (5,17)	2	Bibb-Iuka complex, 0 to 1 percent slopes, frequently flooded
7		Urbo silty clay, frequently flooded
9A		Escambia fine sandy loam, 0 to 2 percent slopes
10		Pits-Udorthents complex
12A		McCrory-Deerford complex, 0 to 2 percent slopes, occasionally flooded
14A	14	Quitman fine sandy loam, 0 to 2 percent slopes
15A		Bassfield fine sandy loam, 0 to 2 percent slopes, rarely flooded
15B		Bassfield fine sandy loam, 2 to 5 percent slopes, rarely flooded
16 *	16A	Fluvaquents, ponded
17 (24)		Nugent loamy sand, frequently flooded
18 (8)		Dorovan-Johnston complex, 0 to 1 percent slopes, frequently flooded
19		Jena-Una-Mantachie complex, undulating, frequently flooded
20A (7)		Cahaba fine sandy loam, 0 to 2 percent slopes, rarely flooded
20B		Cahaba fine sandy loam, 2 to 5 percent slopes, rarely flooded
21A		Izagora fine sandy loam, 0 to 2 percent slopes, rarely flooded
24A (27)		Prentiss fine sandy loam, 0 to 2 percent slopes
24B (27)		Prentiss fine sandy loam, 2 to 5 percent slopes
24C (27)		Prentiss fine sandy loam, 5 to 8 percent slopes
25A (34)	44A	Stough loam, 0 to 2 percent slopes, occasionally flooded
25B (34)	44B	Stough loam, 2 to 5 percent slopes
26A (5)	26	Leaf silt loam, 0 to 1 percent slopes, frequently flooded
27A *	27	Paxville silt loam, ponded
28A * (5)		Trebloc silt loam, ponded
30A (23)		McLaurin fine sandy loam, 0 to 2 percent slopes
30B * (23)		McLaurin fine sandy loam, 2 to 5 percent slopes
30C (23)		McLaurin fine sandy loam, 5 to 8 percent slopes
30D		Heidel fine sandy loam, 8 to 15 percent slopes
30F (16)		Heidel fine sandy loam, 15 to 35 percent slopes
31B (4)		Benndale fine sandy loam, 2 to 5 percent slopes
31C		Benndale fine sandy loam, 5 to 8 percent slopes
31D		Benndale fine sandy loam, 8 to 15 percent slopes
33A * (28)		Lucedale sandy loam, 0 to 2 percent slopes
33B (28)		Lucedale sandy loam, 2 to 5 percent slopes
35A (28)		Ruston fine sandy loam, 0 to 2 percent slopes
35B (28)		Ruston fine sandy loam, 2 to 5 percent slopes
35C (28)	92C	Ruston fine sandy loam, 5 to 8 percent slopes
35D (32)	45D, 92D	Smithdale fine sandy loam, 5 to 15 percent slopes
35F * (33)	92E	Smithdale fine sandy loam, 15 to 35 percent slopes
38C *		Smithdale sandy loam, 2 to 8 percent slopes
40A	40	Mashulaville fine sandy loam, 0 to 2 percent slopes
41A * (30)		Savannah fine sandy loam, 0 to 2 percent slopes
41B * (30)		Savannah fine sandy loam, 2 to 5 percent slopes

APPENDIX 4.3.1 - SOIL IDENTIFICATION LEGEND (cont'd)

Field Symbol	Additional Symbols	Map Unit Name
41C		Savannah fine sandy loam, 5 to 8 percent slopes
41D		Savannah fine sandy loam, 8 to 12 percent slopes
42B (31)		Sweatman fine sandy loam, 2 to 5 percent slopes
42C (31)		Sweatman fine sandy loam, 5 to 8 percent slopes
42D		Sweatman fine sandy loam, 8 to 15 percent slopes
42F		Sweatman fine sandy loam, 15 to 35 percent slopes
43A (29)		Malbis fine sandy loam, 0 to 2 percent slopes
43B (29)		Malbis fine sandy loam, 2 to 5 percent slopes
43C (29)		Malbis fine sandy loam, 5 to 8 percent slopes
45B		Ora fine sandy loam, 2 to 5 percent slopes
45C		Ora fine sandy loam, 5 to 8 percent slopes
45D		Ora fine sandy loam, 8 to 12 percent slopes
46B *		Boswell fine sandy loam, 2 to 5 percent slopes, eroded
46D *	46C	Boswell fine sandy loam, 5 to 12 percent slopes, eroded
47B		Maytag silty clay loam, 2 to 5 percent slopes
47C		Maytag silty clay loam, 5 to 8 percent slopes
48B *	48	Dogue fine sandy loam, gently undulating, rarely flooded
49B		Irvington fine sandy loam, 2 to 5 percent slopes
49C		Irvington fine sandy loam, 5 to 8 percent slopes
50D		Brantley-Okeelala complex, 5 to 15 percent slopes, eroded
50F		Brantley-Okeelala complex, 15 to 35 percent slopes, eroded
56B * (6)	56A	Bigbee loamy fine sand, 0 to 5 percent slopes, rarely flooded
57B (21)	57C	Wadley sand, 0 to 5 percent slopes
57E		Wadley sand, 5 to 15 percent slopes
58B (10)		Eustis loamy sand, 0 to 5 percent slopes
58D (11, 12)	58E	Eustis loamy sand, 5 to 15 percent slopes
59B * (35)	59A	Susquehanna fine sandy loam, 2 to 5 percent slopes
59C (35)		Susquehanna fine sandy loam, 5 to 8 percent slopes
59E * (20, 36)	59D	Lorman fine sandy loam, 8 to 15 percent slopes
59F		Lorman silt loam, 15 to 35 percent slopes, severely eroded
63A (15)		Harleston loam, 0 to 2 percent slopes, rarely flooded
63B		Harleston loam, 2 to 5 percent slopes
65A		Latonia loamy sand, 0 to 2 percent slopes, rarely flooded
66A (3)		Atmore fine sandy loam, 0 to 2 percent slopes
70A (14)		Freest fine sandy loam, 0 to 2 percent slopes
70B * (14)		Freest fine sandy loam, 2 to 5 percent slopes
70C (14)		Freest fine sandy loam, 5 to 8 percent slopes
71E *		Lorman-Petal complex, 5 to 15 percent slopes
73B		Ichusa silty clay loam, 2 to 5 percent slopes
73C	73D	Ichusa silty clay loam, 5 to 8 percent slopes
75B	73A	Flannon silty clay loam, 1 to 3 percent slopes 2 to 8%
76F		Okatibbeha-Sumter-Rock outcrop complex, 8 to 25 percent slopes
77C	77B	Sumter clay, 3 to 8 percent slopes, eroded
78A		Okolona clay, 0 to 2 percent slopes
78B		Okolona clay, 2 to 5 percent slopes
79A	79	Plummer loamy sand, 0 to 2 percent slopes
89A *	89	Louin silty clay, 0 to 2 percent slopes
91		Catalpa clay, frequently flooded Sug
92		Leeper clay, frequently flooded
93C (29)		Freest-Susquehanna complex, 2 to 8 percent slopes
93E (37)		Lorman-Freest-Susquehanna complex, 5 to 15 percent slopes
100 *		Urbo-Una complex, gently undulating, frequently flooded

54B Alaga fine sand, 0 to 5% slope