

## **Attachment B**

### **Historic and Archaeological Properties Correspondence**

- Thomas, J. A., Enercon Services, Inc., to H. T. Holmes, State Historic Preservation Office, Mississippi Department of Archives and History. February 3, 2011.
- Williamson, G., Review and Compliance Officer, Mississippi Department of Archives and History, to J. A. Thomas, Enercon Services, Inc. February 25, 2011.
- Thomas, J. A., Enercon Services, Inc., to P. Boggan, Office of Historic Preservation, Division of Historic Preservation. February 3, 2011.
- Breaux, P., State Historic Preservation Office, to J.A. Thomas, Enercon Services, Inc. May 10, 2011.
- Thomas, J. A., Enercon Services, Inc., to E. J. Barbry, Jr., Tunica-Biloxi Tribal Historic Preservation Office. February 4, 2011.
- Thomas, J. A., Enercon Services, Inc., to B. Denson, Mississippi Band of Choctaw Indians. February 4, 2011.

February 3, 2011

Mr. H. T. Holmes  
State Historic Preservation Office  
Mississippi Department of Archives and History  
Post Office Box 571  
Jackson, MS 39205

SUBJECT: Grand Gulf Nuclear Station  
License Renewal Application

Dear Mr. Holmes

In 2011, Entergy plans to apply to the Nuclear Regulatory Commission (NRC) for renewal of the operating license for the Grand Gulf Nuclear Station (GGNS), which is located in Claiborne County, Mississippi on the east bank of the Mississippi River at River Mile 406, approximately 25 miles south of Vicksburg, Mississippi and 37 miles north-northeast of Natchez, Mississippi. The existing license for GGNS was issued for a 40-year term that expires in 2024. If the NRC approves the application, Entergy will then have the option to continue operating GGNS until 2044.

The NRC requires that the license renewal application for GGNS include an environmental report assessing potential environmental impacts from operation during the license renewal term. One of these potential environmental impacts would be the effect of license renewal on historic or archaeological resources located on the GGNS site and, its immediate environs (6-mile vicinity) as shown in Figure 1. Accordingly, the NRC requires that the environmental report for each license renewal application assess such a potential effect (10 CFR 51.53). Later, during its review of the proposed license renewal environmental report pursuant to the National Environmental Policy Act (NEPA), the NRC may request information from your office to ensure compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 USC 470), and Federal Advisory Council on Historic Preservation regulations (36 CFR 800).

Entergy is contacting you now in order to obtain input regarding issues that may need to be addressed in the GGNS license renewal environmental report, and to assist Entergy in identifying any information your staff believes would be helpful to expedite NRC's consultation.

The 2,100 acre GGNS site consists primarily of woodlands and former farms as well as two lakes, Hamilton Lake and Gin Lake (see Figure 1). Based on a review of information available and previous consultations, Entergy is providing the information below for your office that was obtained from the April 2006 *Environmental Impact Statement for an Early Site Permit (ESP) at the Grand Gulf ESP Site*, published by the NRC.

- The area in and around GGNS has a rich history and has demonstrated the presence of significant prehistoric and historic cultural resources. Thirty-five sites in Claiborne County are eligible for listing on the National Register of Historic Places (NRHP), sixteen of which are located within a 10-mile vicinity of GGNS. These are mostly historic buildings, homes, churches, and cemeteries. One site, the Grand Gulf Military Park, a 400-acre park listed in the NRHP, is located adjacent to GGNS. Within the park are archaeological deposits, standing structures, objects, and artifacts from the historic town of Grand Gulf and from Civil War events that occurred in the area. Files at the Mississippi Department of Archives and History (MDAH) indicate that a total of 13 archaeological sites, including those within the park site, are within 2 miles of GGNS, none of which are eligible for listing on the NRHP.
- During the GGNS Unit 3 combined operating licensing application (COLA) process and at the recommendation of the MDAH, a Phase I archaeological survey was conducted in 2007 on two onsite study areas totaling approximately 115 acres of a well dissected upland landform using a combination of shovel testing and pedestrian surveys. Eleven archaeological sites and eight isolated finds/small artifact scatters were identified during this survey. One archaeological site within the study area and located south of the plant in a wooded area, was identified as having the potential to be eligible for the NRHP. The remaining sites were determined to be ineligible for listing on the NRHP. The MDAH required no further actions from GGNS provided that no construction activities occurred in this specific area.
- Other areas on the GGNS property include the Grand Gulf Mound, the Callendar House and the Grand Gulf and Port Gibson Railroad. The Grand Gulf Mound located on a terrace on the bluffs overlooking the Mississippi River has been excavated by the MDAH; and therefore little remains of the mound. The Callendar House site was considered an unrecorded historic resource, as subsurface historic deposits probably exist. However, the site likely would not be considered eligible for listing on the NRHP because of a lack of integrity. Finally, a 300-foot segment of an important 19th century historic railroad, known as the Grand Gulf and Port Gibson Railroad, still exists within the site boundary. The steel rails are gone, but the railroad bed exists in good condition.

In August 2010, a Phase 1A Literature Review and Archeological Sensitivity Assessment was conducted on the GGNS site. In conjunction with this assessment, pre-historic and historic review of documentary sources were reviewed at the Claiborne County and Tensas County Historical Societies and Libraries, Mississippi and Louisiana Historic Preservation Offices, Mississippi Department of Archives and History, Louisiana State Archeological Survey, Western History Collection in Norman, Oklahoma and Arkansas Archeological Survey in Fayetteville, Arkansas. In addition, databases at the Mississippi and Louisiana SHPO were reviewed for up-to-date information on previously recorded historical properties and prehistoric sites within a 10-mile radius of GGNS. As a result of this review, archaeological and historical sites identified within a 10-mile radius of the GGNS site are summarized in Tables 1 and 2.

Entergy does not expect GGNS operations during the license renewal term (an additional 20 years) to adversely affect historic or archaeological resources at the station site because license renewal will not alter existing operations. There are no plans to alter

Mr. H. T. Holmes  
State Historic Preservation Office  
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current operations during the 20-year license renewal period, and any maintenance activities necessary to support continued operation of GGNS will be limited to currently developed areas of the site. Although administrative procedural controls are in place for management of cultural resources ahead of any future ground-disturbing activities at the plant, none are planned or needed in support of license renewal.

After your review of the information provided in this letter, I would appreciate your office sending a letter detailing any concerns you may have regarding historic or archaeological properties on the GGNS site and immediate environs, or alternatively, confirming our conclusion that operation of GGNS during the license renewal term would have no effect on known historical or archaeological properties. Entergy will include copies of this letter and your response in the environmental reports that will be submitted to the NRC as part of the GGNS license renewal application.

Please do not hesitate to call me at 918-665-7693 x328, or Rick Buckley at 601-368-5823, if there are questions or you need additional information to complete a review of the proposed action. Thank you in advance for your assistance.

Thank you,



James A. Thomas  
Manager, Electric Utilities Environmental Services

Attachment – 6-Mile Map

cc: Rick Buckley (Entergy)

**Table 1**  
**Archaeological Sites within a 10-Mile Radius of GGNS**

Site	County/Parish	Quad	NRHP <sup>1</sup>
CB501	Claiborne	Willows	PE
CB504	Claiborne	Grand Gulf	OR
CB507	Claiborne	Willows	UNK
CB508	Claiborne	Widows Creek	OR
CB519	Claiborne	Willows	PE
CB520	Claiborne	Port Gibson	PE
CB522*	Claiborne	Grand Gulf	UNK
CB523	Claiborne	Grand Gulf	NE
CB524	Claiborne	Grand Gulf	NE
CB525	Claiborne	Grand Gulf	UNK
CB526	Claiborne	Grand Gulf	UNK
CB527	Claiborne	Grand Gulf	UNK
CB528	Claiborne	Grand Gulf	PE
CB529	Claiborne	Grand Gulf	UNK
CB530	Claiborne	Widows Creek	UNK
CB530	Claiborne	Widows Creek	UNK
CB531	Claiborne	Widows Creek	NE
CB532	Claiborne	Grand Gulf	UNK
CB534	Claiborne	Widows Creek	OR
CB535	Claiborne	Widows Creek	PE
CB537	Claiborne	Widows Creek	OR
CB538	Claiborne	Widows Creek	UNK
CB539	Claiborne	Widows Creek	UNK
CB540	Claiborne	Widows Creek	UNK
CB541	Claiborne	Grand Gulf	UNK
CB542	Claiborne	Willows	PE
CB543	Claiborne	Grand Gulf	PE
CB544	Claiborne	Grand Gulf	UNK
CB547	Claiborne	Widows Creek	UNK
CB548	Claiborne	Widows Creek	UNK
CB549	Claiborne	Grand Gulf	NE
CB551	Claiborne	Willows	UNK
CB552	Claiborne	Willows	UNK
CB558	Claiborne	Widows Creek	UNK
CB559	Claiborne	Willows	PE
CB560	Claiborne	Willows	UNK
CB561	Claiborne	Willows	UNK
CB562	Claiborne	Willows	UNK
CB564	Claiborne	Widows Creek	UNK

**Table 1 (Continued)**  
**Archaeological Sites within a 10-Mile Radius of GGNS**

Site	County/Parish	Quad	NRHP <sup>1</sup>
CB568	Claiborne	Widows Creek	PE
CB571	Claiborne	Port Gibson	PE
CB573	Claiborne	Willows	NE
CB575	Claiborne	Port Gibson	NE
CB576	Claiborne	Widows Creek	PE
CB581	Claiborne	Port Gibson	PE
CB582	Claiborne	Port Gibson	PE
CB583	Claiborne	Widows Creek	PE
CB584	Claiborne	Port Gibson	OR
CB586	Claiborne	Willows	PE
CB587	Claiborne	Widows Creek	UNK
CB592	Claiborne	Grand Gulf	UNK
CB593	Claiborne	Willows	UNK
CB594	Claiborne	Willows	UNK
CB595	Claiborne	Willows	UNK
CB596	Claiborne	Willows	UNK
CB597	Claiborne	Willows	UNK
CB598	Claiborne	Willows	UNK
CB599	Claiborne	Grand Gulf	UNK
CB600	Claiborne	Port Gibson	UNK
CB601	Claiborne	Widows Creek	OR
CB609	Claiborne	Willows	PE
CB610	Claiborne	Willows	UNK
CB611	Claiborne	Port Gibson	UNK
CB612	Claiborne	Port Gibson	UNK
CB615	Claiborne	Port Gibson	UNK
CB618	Claiborne	Grand Gulf	UNK
CB620	Claiborne	Port Gibson	UNK
CB621	Claiborne	Port Gibson	UNK
CB622	Claiborne	Port Gibson	PE
CB624	Claiborne	Widows Creek	PE
CB625	Claiborne	Widows Creek	PE
CB626	Claiborne	Widows Creek	PE
CB627	Claiborne	Widows Creek	PE
CB632	Claiborne	Widows Creek	UNK
CB633	Claiborne	Widows Creek	NE?
CB634	Claiborne	Widows Creek	NE
CB635	Claiborne	Widows Creek	NE
CB636	Claiborne	Widows Creek	UNK
CB637	Claiborne	Widows Creek	PE
CB638	Claiborne	Widows Creek	NE
CB639	Claiborne	Widows Creek	NE
CB640	Claiborne	Widows Creek	UNK
CB641	Claiborne	Widows Creek	UNK
CB642	Claiborne	Widows Creek	UNK

**Table 1 (Continued)**  
**Archaeological Sites within a 10-Mile Radius of GGNS**

Site	County/Parish	Quad	NRHP <sup>1</sup>
CB643	Claiborne	Widows Creek	NE?
CB644	Claiborne	Widows Creek	PE
CB645	Claiborne	Port Gibson	UNK
CB646	Claiborne	Port Gibson	NE
CB647	Claiborne	Port Gibson	PE
CB648	Claiborne	Port Gibson	NE
CB649	Claiborne	Port Gibson	UNK
CB650	Claiborne	Port Gibson	UNK
CB651	Claiborne	Port Gibson	NE
CB652	Claiborne	Port Gibson	PE
CB653	Claiborne	Port Gibson	NE
CB654	Claiborne	Port Gibson	NE
CB655	Claiborne	Port Gibson	UNK
CB656	Claiborne	Port Gibson	NE
CB673	Claiborne	Port Gibson	UNK
CB674	Claiborne	Port Gibson	UNK
CB675	Claiborne	Willows	UNK
CB676	Claiborne	Willows	UNK
CB677	Claiborne	Willows	UNK
CB678	Claiborne	Willows	UNK
CB679	Claiborne	Willows	UNK
CB680	Claiborne	Willows	UNK
CB681	Claiborne	Willows	UNK
CB682	Claiborne	Willows	UNK
CB683	Claiborne	Willows	UNK
CB684	Claiborne	Willows	UNK
CB685	Claiborne	Willows	UNK
CB686	Claiborne	Willows	UNK
CB687	Claiborne	Willows	UNK
CB688	Claiborne	Willows	UNK
CB689	Claiborne	Willows	UNK
CB690	Claiborne	Willows	UNK
CB691	Claiborne	Willows	UNK
CB692	Claiborne	Willows	UNK
CB693	Claiborne	Willows	UNK
CB694	Claiborne	Widows Creek	UNK
CB695	Claiborne	Widows Creek	PE
CB696	Claiborne	Widows Creek	UNK
CB697	Claiborne	Widows Creek	PE
CB698	Claiborne	Widows Creek	UNK
CB699	Claiborne	Port Gibson	UNK
CB699	Claiborne	Widows Creek	UNK
CB700	Claiborne	Widows Creek	UNK
CB709	Claiborne	Widows Creek	UNK
CB710	Claiborne	Widows Creek	UNK

**Table 1 (Continued)**  
**Archaeological Sites within a 10-Mile Radius of GGNS**

Site	County/Parish	Quad	NRHP <sup>1</sup>
CB714	Claiborne	Widows Creek	PE
CB715	Claiborne	Widows Creek	OR
CB716	Claiborne	Widows Creek	OR
CB717	Claiborne	Widows Creek	OR
CB720	Claiborne	Port Gibson	UNK
CB722	Claiborne	Port Gibson	UNK
CB723	Claiborne	Port Gibson	UNK
CB724	Claiborne	Port Gibson	UNK
CB725	Claiborne	Port Gibson	UNK
CB726	Claiborne	Port Gibson	UNK
CB727	Claiborne	Port Gibson	UNK
CB728	Claiborne	Port Gibson	UNK
CB729	Claiborne	Port Gibson	UNK
CB730	Claiborne	Port Gibson	UNK
CB731	Claiborne	Port Gibson	UNK
CB732	Claiborne	Port Gibson	UNK
CB733	Claiborne	Port Gibson	UNK
CB734	Claiborne	Port Gibson	UNK
CB735	Claiborne	Port Gibson	UNK
CB736	Claiborne	Port Gibson	UNK
CB738	Claiborne	Port Gibson	UNK
CB739	Claiborne	Port Gibson	UNK
CB740	Claiborne	Port Gibson	UNK
CB741	Claiborne	Port Gibson	UNK
CB742	Claiborne	Port Gibson	UNK
CB743	Claiborne	Port Gibson	UNK
CB749	Claiborne	Port Gibson	UNK
CB750	Claiborne	Port Gibson	UNK
CB751	Claiborne	Port Gibson	UNK
CB752	Claiborne	Port Gibson	UNK
CB753	Claiborne	Port Gibson	UNK
CB759	Claiborne	Willows	UNK
CB763	Claiborne	Widows Creek	NE
CB765	Claiborne	Port Gibson	UNK
CB766	Claiborne	Willows	UNK
CB768	Claiborne	Port Gibson	UNK
CB773	Claiborne	Port Gibson	NE
CB775	Claiborne	Port Gibson	NE
CB776	Claiborne	Port Gibson	UNK
CB776	Claiborne	Port Gibson	UNK
CB777	Claiborne	Port Gibson	UNK
CB778	Claiborne	Port Gibson	UNK
CB779	Claiborne	Port Gibson	UNK
CB780	Claiborne	Port Gibson	UNK
CB781	Claiborne	Port Gibson	UNK

**Table 1 (Continued)**  
**Archaeological Sites within a 10-Mile Radius of GGNS**

Site	County/Parish	Quad	NRHP <sup>1</sup>
CB781	Claiborne	Port Gibson	UNK
CB783	Claiborne	Port Gibson	UNK
CB784	Claiborne	Port Gibson	UNK
CB785	Claiborne	Port Gibson	UNK
CB786	Claiborne	Port Gibson	UNK
CB787	Claiborne	Port Gibson	UNK
CB788	Claiborne	Port Gibson	UNK
CB789	Claiborne	Port Gibson	UNK
CB790	Claiborne	Port Gibson	UNK
CB791	Claiborne	Port Gibson	UNK
CB792	Claiborne	Port Gibson	UNK
CB793	Claiborne	Port Gibson	UNK
CB794	Claiborne	Port Gibson	UNK
CB795	Claiborne	Port Gibson	UNK
CB797	Claiborne	Port Gibson	UNK
CB797	Claiborne	Widows Creek	UNK
CB798	Claiborne	Port Gibson	UNK
CB799	Claiborne	Port Gibson	UNK
CB800	Claiborne	Port Gibson	UNK
CB801	Claiborne	Widows Creek	E
CB803	Claiborne	Port Gibson	UNK
CB804	Claiborne	Port Gibson	UNK
CB805	Claiborne	Port Gibson	UNK
CB813	Claiborne	Widows Creek	PE
CB819	Claiborne	Port Gibson	UNK
CB820	Claiborne	Grand Gulf	NE
CB821	Claiborne	Grand Gulf	NE
CB822	Claiborne	Grand Gulf	NE
CB823	Claiborne	Grand Gulf	NE
CB824	Claiborne	Grand Gulf	NE
CB825	Claiborne	Grand Gulf	NE
CB826	Claiborne	Grand Gulf	NE
CB827	Claiborne	Widows Creek	NE
CB828	Claiborne	Widows Creek	NE
CB829	Claiborne	Carlisle	UNK
CB862	Claiborne	Port Gibson	UNK
TE8	Tensas	Newellton	E
TE119	Tensas	Newellton	UNK
TE150	Tensas	Newellton	UNK
TE151	Tensas	Grand Gulf	UNK
TE152	Tensas	Grand Gulf	UNK
TE153	Tensas	Grand Gulf	UNK
TE154	Tensas	Grand Gulf	UNK
TE155	Tensas	Grand Gulf	UNK
TE156	Tensas	Newellton	UNK

**Table 1 (Continued)**  
**Archeological Sites within a 10-Mile Radius of GGNS**

<b>Site</b>	<b>County/Parish</b>	<b>Quad</b>	<b>NRHP <sup>1</sup></b>
TE157	Tensas	Newellton	UNK
TE159	Tensas	Grand Gulf	PE
TE160	Tensas	Newellton	UNK
TE163	Tensas	Newellton	PE
TE164	Tensas	Newellton	PE
TE166	Tensas	Newellton	PE
TE167	Tensas	Newellton	PE
TE168	Tensas	Newellton	PE
TE169	Tensas	Newellton	PE
TE170	Tensas	Newellton	NE
TE171	Tensas	Newellton	PE
TE172	Tensas	Newellton	PE
TE173	Tensas	Newellton	PE

**<sup>1</sup> Acronyms:**

E = Eligible

NE = Not Eligible

PE = Potentially Eligible

OR = On Register

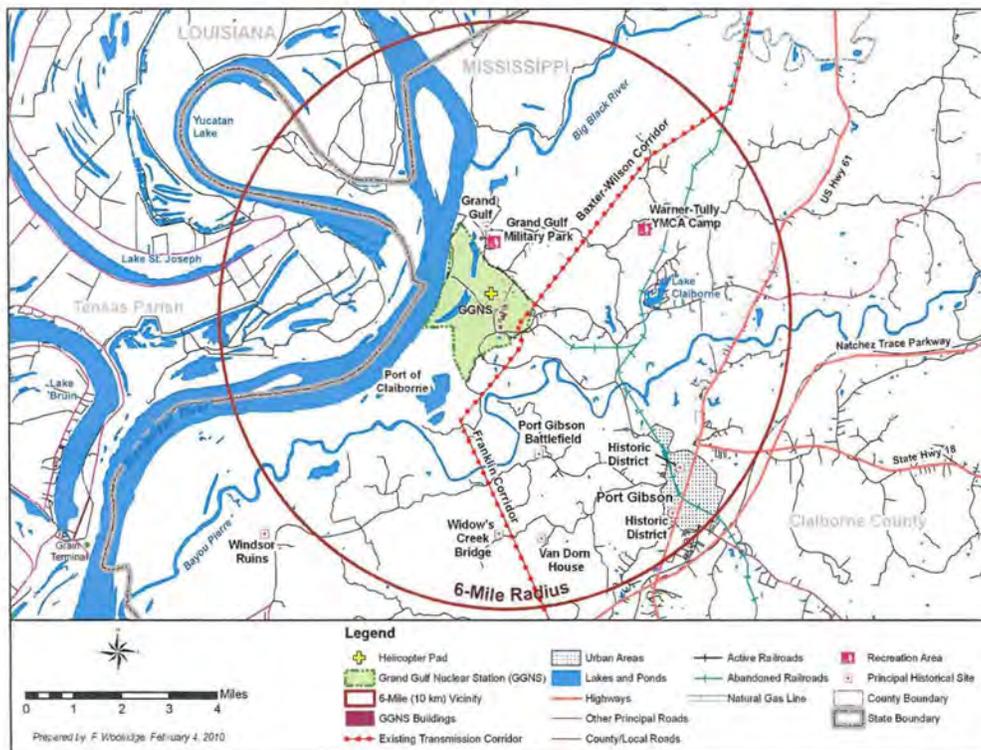
UNK = Unknown

**Table 2**  
**Historical Resources within a 10-Mile Radius of GGNS**

State	County/Parish	Resource Name	Quad	NRHP	State Listing
MS	Claiborne	Bayou Pierre Site	Port Gibson	1978	
MS	Claiborne	Bethel Presbyterian Church	St. Joseph	1978	1004
MS	Claiborne	Buena Vista Cotton Gin (Watson Steam Gin) Building 801 Chinquepin Street	Port Gibson	1974	5003
MS	Claiborne	Canemount	St. Joseph	1982	1003
MS	Claiborne	Catholic Cemetery	Port Gibson	1979	
MS	Claiborne	Catledge Archeological Site	St. Joseph	1974	
MS	Claiborne	Canters Creek Mound	Port Gibson	1973	
MS	Claiborne	Civil War Earth Works	Grand Gulf	Eligible	2003
MS	Claiborne	Civil War Earth Works	Grand Gulf	Eligible	2004
MS	Claiborne	Chamberlain-Hunt Academy Historic District	Port Gibson	1979	
MS	Claiborne	Cabinwood House Plantation	Port Gibson	Eligible	5010
MS	Claiborne	Claremont	Port Gibson	1979	
MS	Claiborne	Collina	Port Gibson	1979	
MS	Claiborne	Connor House	Port Gibson	Eligible	5014
MS	Claiborne	Drake Hill Historic District	Port Gibson	1979	
MS	Claiborne	Golden West Cemetery	Port Gibson	1979	
MS	Claiborne	Grand Gulf Military State Park	Port Gibson	1972	
MS	Claiborne	Hermitage House	Willows	Eligible	5508
MS	Claiborne	Hollyrood	Port Gibson	1979 <sup>1</sup>	
MS	Claiborne	Humphrey' Family Cemetery	Willows	Eligible	5509
MS	Claiborne	Idlewild	Port Gibson	1979	
MS	Claiborne	Jewish Cemetery	Port Gibson	1979	
MS	Claiborne	Mallet-Brewer House	Widow's Creek	Eligible	5009
MS	Claiborne	Bayou Pierre Church	Widow's Creek	Eligible	5013
LA	Tensas	Lakewood	St. Joseph	1983	
LA	Tensas	St. Joseph Historic District	St. Joseph	1980	
LA	Tensas	Tensas Parish Courthouse	St. Joseph	1979	

<sup>1</sup> Delisted 1992.

**Figure 1**  
**Location of GGNS, 6-Mile Radius Map**





PO Box 571, Jackson, MS 39205-0571  
601-576-6850 • Fax 601-576-6975  
mdah.state.ms.us  
*H.T. Holmes, Director*

February 25, 2011

Mr. James A. Thomas,  
Manager - Environmental Services  
Enercon  
5100 East Skelly Drive, Suite 450  
Tulsa, OK 74135

RE: Proposed License Renewal for Grand Gulf Nuclear Station, 2,100-Acre Site  
MDAH Project Log #02-053-11, Claiborne County

Dear Mr. Thomas:

We have reviewed your request for comment, received on February 9, 2011, for the above referenced action in accordance with our responsibilities under Section 106 of the National Historic Preservation Act and 36 CFR Part 800. After reviewing the information provided, it is our determination that the proposed undertaking will have no adverse effect on historic resources, as there is no construction, development, or demolition or other action proposed that would have an effect on cultural resources. Therefore, we have no reservations with the license renewal. Should projects arise that involve construction, development, or demolition, we would be interested in review of those projects for impacts to cultural resources on a case by case basis.

If you have any questions, please feel free to call me at (601) 576-6940.

Sincerely,

A handwritten signature in blue ink, appearing to read "Greg Williamson".

Greg Williamson  
Review and Compliance Officer

FOR: H.T. Holmes  
State Historic Preservation Officer



February 3, 2011

Mr. Phil Boggan  
Office of Historic Preservation  
Division of Historic Preservation  
Post Office Box 44247  
Baton Rouge, LA 70804

SUBJECT: Grand Gulf Nuclear Station  
License Renewal Application

Dear Mr. Boggan,

In 2011, Entergy plans to apply to the Nuclear Regulatory Commission (NRC) for renewal of the operating license for the Grand Gulf Nuclear Station (GGNS), which is located in Claiborne County, Mississippi on the east bank of the Mississippi River at River Mile 406, approximately 25 miles south of Vicksburg, Mississippi and 37 miles north-northeast of Natchez, Mississippi. The existing license for GGNS was issued for a 40-year term that expires in 2024. If the NRC approves the application, Entergy will then have the option to continue operating GGNS until 2044.

The NRC requires that the license renewal application for GGNS include an environmental report assessing potential environmental impacts from operation during the license renewal term. One of these potential environmental impacts would be the effect of license renewal on historic or archaeological resources located on the GGNS site and its immediate environs (6-mile vicinity) as shown in Figure 1. Accordingly, the NRC requires that the environmental report for each license renewal application assess such a potential effect (10 CFR 51.53). Later, during its review of the proposed license renewal environmental report pursuant to the National Environmental Policy Act (NEPA), the NRC may request information from your office to ensure compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 USC 470), and Federal Advisory Council on Historic Preservation regulations (36 CFR 800).

Although the GGNS property does not include property in Louisiana, Entergy is contacting you as a courtesy in order to obtain input regarding any issues that may need to be addressed in the GGNS license renewal environmental report, and to assist Entergy in identifying any information your staff believes would be helpful to expedite NRC's consultation.

The 2,100 acre GGNS site consists primarily of woodlands and former farms as well as two lakes, Hamilton Lake and Gin Lake (see Figure 1). Based on a review of information available and previous consultations, Entergy is providing the information below for your office that was obtained from the April 2006 *Environmental Impact Statement for an Early Site Permit (ESP) at the Grand Gulf ESP Site*, published by the NRC.

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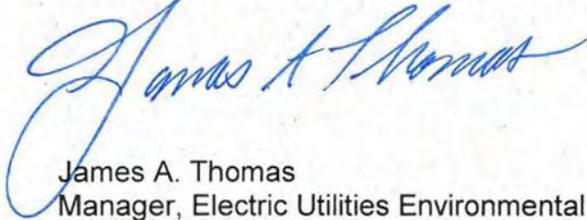
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Mr. Phil Boggan  
Office of Historic Preservation  
Division of Historic Preservation  
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include copies of this letter and your response in the environmental reports that will be submitted to the NRC as part of the GGNS license renewal application.

Please do not hesitate to call me at 918-665-7693 x328 if there are questions or you need additional information to complete a review of the proposed action. Thank you in advance for your assistance.

Thank you,

A handwritten signature in blue ink that reads "James A. Thomas". The signature is written in a cursive style with a large, looping initial "J".

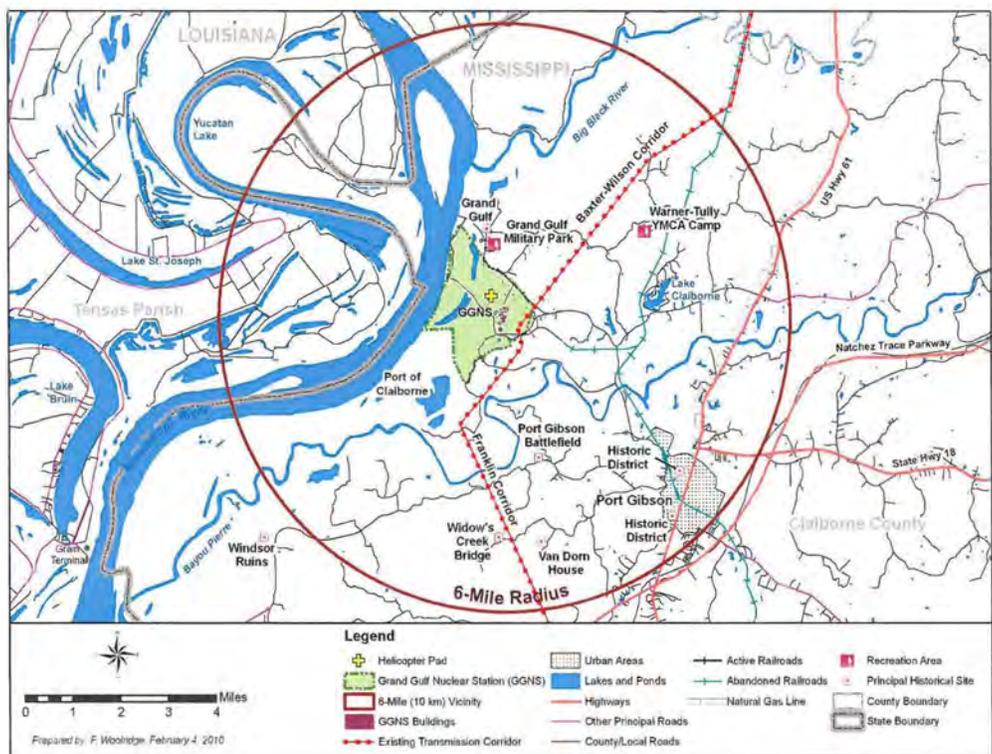
James A. Thomas  
Manager, Electric Utilities Environmental Services

Attachment – 6-Mile Map

cc: Rick Buckley (Entergy)

Figure 1

Location of GGNS, 6-Mile Radius Map





**ENERCON**

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February 3, 2011

Mr. Phil Boggan  
Office of Historic Preservation  
Division of Historic Preservation  
Post Office Box 44247  
Baton Rouge, LA 70804

SUBJECT: Grand Gulf Nuclear Station  
License Renewal Application

No known historic properties will be affected by this undertaking. This effect determination could change should new information come to our attention.

*Pam Breaux* 5-10-11  
Pam Breaux Date  
State Historic Preservation Officer

Dear Mr. Boggan,

In 2011, Entergy plans to apply to the Nuclear Regulatory Commission (NRC) for renewal of the operating license for the Grand Gulf Nuclear Station (GGNS), which is located in Claiborne County, Mississippi on the east bank of the Mississippi River at River Mile 406, approximately 25 miles south of Vicksburg, Mississippi and 37 miles north-northeast of Natchez, Mississippi. The existing license for GGNS was issued for a 40-year term that expires in 2024. If the NRC approves the application, Entergy will then have the option to continue operating GGNS until 2044.

The NRC requires that the license renewal application for GGNS include an environmental report assessing potential environmental impacts from operation during the license renewal term. One of these potential environmental impacts would be the effect of license renewal on historic or archaeological resources located on the GGNS site and its immediate environs (6-mile vicinity) as shown in Figure 1. Accordingly, the NRC requires that the environmental report for each license renewal application assess such a potential effect (10 CFR 51.53). Later, during its review of the proposed license renewal environmental report pursuant to the National Environmental Policy Act (NEPA), the NRC may request information from your office to ensure compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 USC 470), and Federal Advisory Council on Historic Preservation regulations (36 CFR 800).

Although the GGNS property does not include property in Louisiana, Entergy is contacting you as a courtesy in order to obtain input regarding any issues that may need to be addressed in the GGNS license renewal environmental report, and to assist Entergy in identifying any information your staff believes would be helpful to expedite NRC's consultation.

The 2,100 acre GGNS site consists primarily of woodlands and former farms as well as two lakes, Hamilton Lake and Gin Lake (see Figure 1). Based on a review of information available and previous consultations, Entergy is providing the information below for your office that was obtained from the April 2006 *Environmental Impact Statement for an Early Site Permit (ESP) at the Grand Gulf ESP Site*, published by the NRC.

February 4, 2011

Tunica-Biloxi Tribe of Louisiana  
Earl J. Barbry, Jr., THPO  
Tunica-Biloxi Tribal Historic Preservation Office  
Post Office Box 1589  
Marksville, LA 71351

**SUBJECT:** Grand Gulf Nuclear Station  
License Renewal Application

Dear Mr. Barbry,

In 2011, Entergy plans to apply to the Nuclear Regulatory Commission (NRC) for renewal of the operating license for the Grand Gulf Nuclear Station (GGNS), which is located in Claiborne County, Mississippi on the east bank of the Mississippi River at River Mile 406, approximately 25 miles south of Vicksburg, Mississippi and 37 miles north-northeast of Natchez, Mississippi. The existing license for GGNS was issued for a 40-year term that expires in 2024. If the NRC approves the application, Entergy will then have the option to continue operating GGNS until 2044.

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The 2,100 acre GGNS site consists primarily of woodlands and former farms as well as two lakes, Hamilton Lake and Gin Lake (see Figure 1). Based on a review of information available and previous consultations, Entergy is providing the information below for your office that was obtained from the April 2006 *Environmental Impact Statement for an Early Site Permit (ESP) at the Grand Gulf ESP Site*, published by the NRC.

- The area in and around GGNS has a rich history and has demonstrated the presence of significant prehistoric and historic cultural resources. Thirty-five sites in Claiborne County are eligible for listing on the National Register of Historic Places (NRHP), sixteen of which are located within a 10-mile vicinity of GGNS. These are mostly historic buildings, homes, churches, and cemeteries. One site, the Grand Gulf Military Park, a 400-acre park listed in the NRHP, is located adjacent to GGNS. Within the park are archaeological deposits, standing structures, objects, and artifacts from the historic town of Grand Gulf and from Civil War events that occurred in the area. Files at the Mississippi Department of Archives and History (MDAH) indicate that a total of 13 archaeological sites, including those within the park site, are within 2 miles of GGNS, none of which are eligible for listing on the NRHP.
- During the GGNS Unit 3 combined operating licensing application (COLA) process and at the recommendation of the MDAH, a Phase I archaeological survey was conducted in 2007 on two onsite study areas totaling approximately 115 acres of a well dissected upland landform using a combination of shovel testing and pedestrian surveys. Eleven archaeological sites and eight isolated finds/small artifact scatters were identified during this survey. One archaeological site within the study area located south of the plant in a wooded area, was identified as having the potential to be eligible for the NRHP. The remaining sites were determined to be ineligible for listing on the NRHP. The MDAH required no further actions from GGNS provided that no construction activities occurred in this specific area.
- Other areas on GGNS property include the Grand Gulf Mound, the Callendar House and the Grand Gulf and Port Gibson Railroad. The Grand Gulf Mound located on a terrace on the bluffs overlooking the Mississippi River has been excavated by the MDAH; therefore little remains of the mound. The Callendar House site was considered an unrecorded historic resource, as subsurface historic deposits probably exist. However, the site likely would not be considered eligible for listing on the NRHP because of a lack of integrity. Finally, a 300-foot segment of an important 19th century historic railroad, known as the Grand Gulf and Port Gibson Railroad, still exists within the site boundary. The steel rails are gone, but the railroad bed exists in good condition.

Entergy does not expect GGNS operations during the license renewal term (an additional 20 years) to adversely affect historic or archaeological resources at the station site because license renewal will not alter existing operations. There are no plans to alter current operations during the 20-year license renewal period, and any maintenance activities necessary to support continued operation of GGNS will be limited to currently developed areas of the site. Although administrative procedural controls are in place for management of cultural resources ahead of any future ground-disturbing activities at the plant, none are planned or needed in support of license renewal.

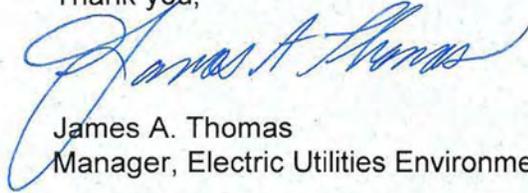
After your review of the information provided in this letter, I would appreciate your office sending a letter detailing any concerns you may have about historic or archaeological properties on the GGNS site and immediate environs, or alternatively, confirming our conclusion that operation of GGNS during the license renewal term would have no effect

Tunica-Biloxi Tribe of Louisiana  
Earl J. Barbry, Jr., THPO  
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Page 3 of 3

on known historical or archaeological properties. Entergy will include copies of this letter and your response in the environmental reports that will be submitted to the NRC as part of the GGNS license renewal application.

Please do not hesitate to call me at 918-665-7693 x328, or Rick Buckley at 601-368-5823, if there are questions or you need additional information to complete a review of the proposed action. Thank you in advance for your assistance.

Thank you,

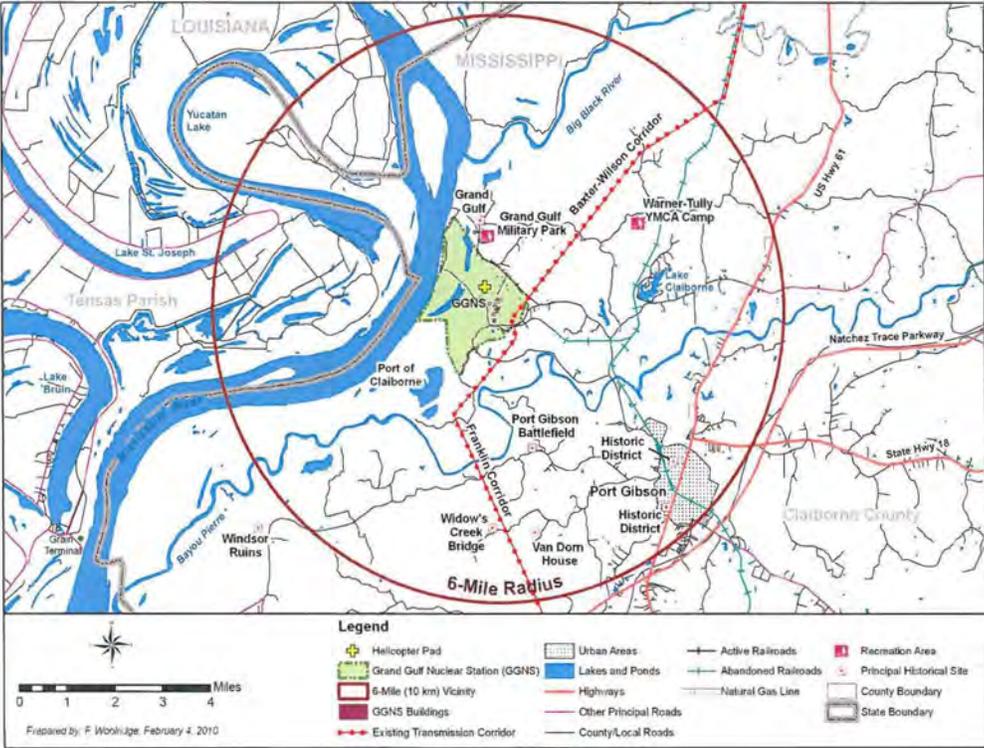
A handwritten signature in blue ink that reads "James A. Thomas". The signature is fluid and cursive, with the first name being particularly prominent.

James A. Thomas  
Manager, Electric Utilities Environmental Services

Attachment – 6-Mile Map

cc: Rick Buckley (Entergy)

**Figure 1**  
**Location of GGNS, 6-Mile Radius Map**





February 4, 2011

The Honorable Beasley Denson  
Chief  
Mississippi Band of Choctaw Indians  
Post Office Box 6010 – Choctaw Branch  
Choctaw, MS 39350

SUBJECT: Grand Gulf Nuclear Station  
License Renewal Application

Dear Mr. Denson,

In 2011, Entergy plans to apply to the Nuclear Regulatory Commission (NRC) for renewal of the operating license for the Grand Gulf Nuclear Station (GGNS), which is located in Claiborne County, Mississippi on the east bank of the Mississippi River at River Mile 406, approximately 25 miles south of Vicksburg, Mississippi and 37 miles north-northeast of Natchez, Mississippi. The existing license for GGNS was issued for a 40-year term that expires in 2024. If the NRC approves the application, Entergy will then have the option to continue operating GGNS until 2044.

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Thank you,



James A. Thomas  
Manager, Electric Utilities Environmental Services

Attachment – 6-Mile Map

cc: Rick Buckley (Entergy)

Figure 1

Location of GGNS, 6-Mile Radius Map

