

November 29, 1988

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Docket No. 50-416

Mr. W. T. Cottle
Vice President, Nuclear Operations
System Energy Resources, Inc.
P. O. Box 23054
Jackson, Mississippi 39205

Dear Mr. Cottle

SUBJECT: ENVIRONMENTAL ASSESSMENT OF REQUEST RELATED TO MONITORING NEUTRON
FLUX FOR GRAND GULF NUCLEAR STATION, UNIT 1 (TAC NO. 68675)

Enclosed is a copy of a "Notice of Environmental Assessment and Finding of No
Significant Impact" for your information. This notice relates to your request
dated July 1, 1988.

The request is for an amendment to the Operating License to change the schedule
for implementing the recommendations of Regulatory Guide 1.97 for monitoring
neutron flux in the reactor following an accident.

The notice has been forwarded to the Office of the Federal Register for
publication.

Sincerely,

LS
Lester L. Kintner, Senior Project Manager
Project Directorate II-1
Division of Reactor Projects I/II

Enclosure:
Environmental Assessment

cc w/enclosure:
See next page

* SEE PREVIOUS CONCURRENCE

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CLP-1 cc

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NAME	:PAnderson :LKintner:ch :EAdensam	:	:	:	:
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Mr. W. T. Cottle
Vice President, Nuclear Operations
System Energy Resources, Inc.
P. O. Box 23054
Jackson, Mississippi 39205

Dear Mr. Cottle:

SUBJECT: ENVIRONMENTAL ASSESSMENT OF ~~EXEMPTION~~ REQUEST RELATED TO
MONITORING NEUTRON FLUX FOR GRAND GULF NUCLEAR STATION,
UNIT 1 (TAC NO. 68675)

Enclosed is a copy of a "Notice of Environmental Assessment and Finding of No Significant Impact" for your information. This notice relates to your request dated July 1, 1988.

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The notice has been forwarded to the Office of the Federal Register for publication.

Sincerely,

Lester L. Kintner, Senior Project Manager
Project Directorate II-1
Division of Reactor Projects I/II

Enclosure:
Environmental Assessment

cc w/enclosure:
See next page

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Mr. W. T. Cottle
System Energy Resources, Inc.

Grand Gulf Nuclear Station (GGNS)

cc:

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and Support
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GGNS General Manager
System Energy Resources, Inc.
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Caraway
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Baton Rouge, Louisiana 70804

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Mr. H. O. Christensen
Senior Resident Inspector
U.S. Nuclear Regulatory Commission
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Port Gibson, Mississippi 39150

President
Claiborne County Board of Supervisors
Port Gibson, Mississippi 39150

Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
101 Marietta Street
Suite 2900
Atlanta, Georgia 30323

UNITED STATES NUCLEAR REGULATORY COMMISSION
MISSISSIPPI POWER & LIGHT COMPANY
SYSTEM ENERGY RESOURCES, INC.
SOUTH MISSISSIPPI ELECTRIC POWER ASSOCIATION
DOCKET NO. 50-416
ENVIRONMENTAL ASSESSMENT AND FINDING OF
NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. NPF-29 issued to Mississippi Power & Light Company, System Energy Resources, Inc., and South Mississippi Electric Power Associates, (the licensees), for operation of the Grand Gulf Nuclear Station (GGNS), Unit 1, located in Caliborne County, Mississippi.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

The proposed amendment would change the Technical Specifications (TS) by separating the 24-hour surveillance test of emergency diesel generators from the surveillance test simulating a loss of offsite power in conjunction with an ECCS actuation signal.

The proposed action is in accordance with the licensees' application for amendment dated July 26, 1988.

The Need for the Proposed Action

The proposed change is needed to permit flexibility in scheduling surveillance tests during refueling outages. Present TS require that the loss of offsite power test be initiated within five minutes of completing the

24-hour test. The proposed TS would allow separate tests provided a warmup period to achieve operating temperatures preceded the loss of offsite power tests.

Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed change to TS and has concluded that the proposed TS would provide a level of safety at least equivalent to the present TS. Therefore, the proposed amendment does not significantly increase the probability or consequences of any accident. The Commission also concludes that the amendment involves no significant increase in the amounts and no significant change in the types of any effluents that may be released offsite and that there should be no significant increase in individual or cumulative occupational radiation exposure. Accordingly, the Commission concludes that this proposed action would result in no significant radiological environmental impact.

With regard to potential non-radiological impacts, the proposed change to the TS involves requirements with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, the Commission concludes that there are no significant non-radiological environmental impacts associated with the proposed amendment.

Alternative to the Proposed Action:

Since the Commission concludes that there are no significant environmental effects that would result from the proposed action, any alternatives with equal or greater environmental impacts need not be evaluated.

The principal alternative would be to deny the requested amendment. This would not reduce environmental impacts of plant operation and would result in reduced operational flexibility.

Alternative Use of Resources:

The action does not involve the use of any resources not previously considered in the Final Environmental Statement related to the operation of Grand Gulf Nuclear Station, Units 1 and 2, dated September 1981.

Agencies and Persons Consulted:

The NRC staff reviewed SERI's request and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

The Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the application for amendment dated July 1, 1988, which is available for public inspection at the Commission's Public Document Room, 2120 L Street, NW, Washington, D.C. 20555 and at the Hinds Junior College, McLendon Library, Raymond, Mississippi 39154.

Dated at Rockville, Maryland, this 29th day of November, 1988.

FOR THE NUCLEAR REGULATORY COMMISSION

*La wille
comment
to LK
10/23/88*

David M. Verrelli, Acting Director
Project Directorate II-1
Division of Reactor Projects I/II

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Alternative Use of Resources:

The action does not involve the use of any resources not previously considered in the Final Environmental Statement related to the operation of Grand Gulf Nuclear Station, Units 1 and 2, dated September 1981.

Agencies and Persons Consulted:

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For further details with respect to this action, see the application for amendment dated July 1, 1988, which is available for public inspection at the Commission's Public Document Room, 2120 L Street, NW, Washington, D.C. 20555 and at the Hinds Junior College, McLendon Library, Raymond, Mississippi 39154.

Dated at Rockville, Maryland, this 28th day of November, 1988.

FOR THE NUCLEAR REGULATORY COMMISSION

Elinor G. Adensam, Director
Project Directorate II-1
Division of Reactor Projects I/II

** SEE PREVIOUS CONCURRENCE*

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NAME	: PAnderson	: LKintner:ch:	RBachman	: EGAdensam	:	:
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