

January 15, 1990

U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, D.C. 20555

Attention: Document Control Desk

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-29  
Nuclear Insurance Endorsement  
AECM-90/0016

In accordance with 10CFR140.15, System Energy Resources, Inc. is submitting two certified copies of:

- 1) Endorsement No. 56 to ANI Policy No. NF-257, amending Endorsement No. 48 relative to 1988 calendar year premiums;
- 2) Endorsement No. 57 to ANI Policy No. NF-257, increasing ANI's limit of liability to \$155 million effective 7/1/89;
- 3) Endorsement No. 58 to ANI Policy No. NF-257, amending Endorsement No. 51 relative to 1989 calendar year premiums;
- 4) Endorsement No. 35 to MAELU Policy No. MF-106, amending Endorsement No. 30 relative to 1988 calendar year premiums;
- 5) Endorsement No. 36 to MAELU Policy No. MF-106, increasing MAELU's limit of liability to \$45 million effective 7/1/89;
- 6) Endorsement No. 37 to MAELU Policy No. MF-106, amending Endorsement No. 30 relative to 1989 calendar year premiums;
- 7) Endorsement No. 12 to ANI Policy No. N-79, expanding the primary financial protection to include insurance under the Master Worker Policy;
- 8) Endorsement No. 13 to ANI Policy No. N-79, increasing the limit of liability under the primary financial protection to \$200 million effective 7/1/89;
- 9) Endorsement No. 12 to MAELU Policy No. M-79, expanding the primary financial protection to include insurance under the Master Worker Policy;

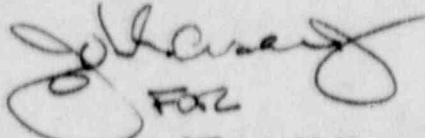
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- 10) Endorsement No. 13 to MAELU Policy No. M-79, increasing the limit of liability under the primary financial protection to \$200 million effective 7/1/89.

Yours truly,

  
For  
WTCOTTLE

WTC:tkm  
Attachment

cc: Mr. D. C. Hintz (w/o)  
Mr. T. H. Cloninger (w/o)  
Mr. R. B. McGehee (w/o)  
Mr. N. S. Reynolds (w/o)  
Mr. H. L. Thomas (w/o)  
Mr. H. O. Christensen (w/o)

Mr. Stewart D. Ebner (w/a)  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta St., N.W., Suite 2900  
Atlanta, Georgia 30323

Mr. L. L. Kintner, Project Manager (w/a)  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Mail Stop 14B20  
Washington, D.C. 20555

**Nuclear Energy Liability Insurance**  
**MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS**

ENDORSEMENT TO CERTIFICATE NO. M-79  
Forming Part of Master Policy No. 1  
Nuclear Energy Liability Insurance  
(Secondary Financial Protection)

Effective July 1, 1989, it is agreed that Item 4. of the Certificate is amended to read as follows:

Item 4. (a) Identification of primary financial protection applicable to the nuclear reactor and limit(s) of liability thereof:

(1) Facility Form Policies

(i) Nuclear Energy Liability Insurance Association's  
Policy NF- 257 \$155,000,000

(ii) Mutual Atomic Energy Liability Underwriter's  
Policy MF- 106 \$ 45,000,000

(2) Master Worker Policies (Facility Worker Form)

(i) Nuclear Energy Liability Insurance Association's  
Master Worker Policy NMWP-1 \$155,000,000

(ii) Mutual Atomic Energy Liability Underwriter's  
Master Worker Policy MMWP-1 \$ 45,000,000

(b) The following endorsements attached to the Facility Form policies identified in subsection (a)(1) above also apply to the insurance afforded by this Master Policy through this certificate as though they were attached hereto:

(1) Waiver of Defenses Endorsement (Extraordinary Nuclear Occurrence) and

(2) Supplementary Endorsement - Waiver of Defenses - Reactor Construction at the Facility.

(c) Sharing of limit(s) of liability provided under the primary financial protection.

(1) The limit of liability provided under each Facility Form policy identified in subsection (a)(1) above is shared among all nuclear reactors on the location described in Item 3 of the Declarations of such policy.

- (2) The limit of liability provided under each Master Worker Policy (Facility Worker Form) identified in subsection (a)(2) above is shared among all insureds under all Certificates of Insurance issued to be a part of the Master Worker Policies.

THIS IS TO CERTIFY THAT THIS IS A TRUE COPY OF THE ORIGINAL CERTIFICATE, BEARING THE NUMBER DESIGNATED HEREON, FOR INSURANCE COVERAGE UNDER THE MASTER POLICY-NUCLEAR ENERGY LIABILITY INSURANCE (SECONDARY FINANCIAL PROTECTION). NO INSURANCE IS AFFORDED BY THIS COPY.

*J. B. Quattrocchi*  
JOHN B. QUATTROCCHI  
VICE PRESIDENT-UNDERWRITING  
AMERICAN NUCLEAR INSURERS

Effective Date of  
this Endorsement July 1, 1989 To form a part of Certificate No. M-79  
Mississippi Power & Light Company and System Energy Resources, Inc. and South  
Issued to Mississippi Electric Power Association  
Date of Issue July 15, 1989

For the Subscribing Companies

MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS

By *J. B. Quattrocchi*

Countersigned by *Anthony J. P. Smith*  
Authorized Representative

Endorsement No. 13



**Nuclear Energy Liability Insurance**  
**MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS**

ENDORSEMENT TO CERTIFICATE NO. M-79  
Forming Part of Master Policy No. 1  
Nuclear Energy Liability Insurance  
(Secondary Financial Protection)

Effective January 1, 1988, it is agreed that Item 4 of the Certificate is amended to read as follows:

- Item 4. (a) Identification of primary financial protection applicable to the nuclear reactor and limit(s) of liability thereof:
- (1) Facility Form Policies
    - (i) Nuclear Energy Liability Insurance Association's Policy NF- 257 \$124,000,000
    - (ii) Mutual Atomic Energy Liability Underwriter's Policy MF- 106 \$ 36,000,000
  - (2) Master Worker Policies (Facility Worker Form)
    - (i) Nuclear Energy Liability Insurance Association's Master Worker Policy NMWP-1 \$124,000,000
    - (ii) Mutual Atomic Energy Liability Underwriter's Master Worker Policy MMWP-1 \$ 36,000,000
- (b) The following endorsements attached to the Facility Form policies identified in subsection (a)(1) above also apply to the insurance afforded by this Master Policy through this certificate as though they were attached hereto:
- (1) Waiver of Defenses Endorsement (Extraordinary Nuclear Occurrence) and
  - (2) Supplementary Endorsement - Waiver of Defenses - Reactor Construction at the Facility.
- (c) Sharing of limit(s) of liability provided under the primary financial protection.
- (1) The limit of liability provided under each Facility Form policy identified in subsection (a)(1) above is shared among all nuclear reactors on the location described in Item 3 of the Declarations of such policy.

(2) The limit of liability provided under each Master Worker Policy (Facility Worker Form) identified in subsection (a)(2) above is shared among all insureds under all Certificates of Insurance issued to be a part of the Master Worker Policies.

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*J. S. Quattrocchi*  
JOHN L. QUATTROCCHI  
VICE PRESIDENT-UNDERWRITING  
AMERICAN NUCLEAR INSURERS

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Mississippi Power & Light Company and System Energy Resources, Inc. and South  
Issued to Mississippi Electric Power Association

Date of Issue July 15, 1989

For the Subscribing Companies

MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS

By *J. S. Quattrocchi*

Endorsement No. 12

Countersigned by *Amuth S. Smith*

Authorized Representative

**Nuclear Energy Liability Insurance**  
**NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION**

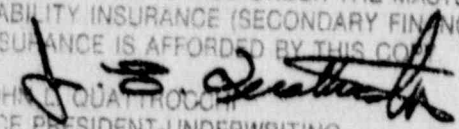
ENDORSEMENT TO CERTIFICATE NO. N-79  
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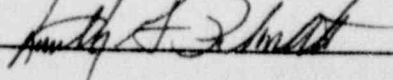
  
JOHN L. QUATTROCCHI  
VICE PRESIDENT-UNDERWRITING  
AMERICAN NUCLEAR INSURERS

Effective Date of this Endorsement July 1, 1989 To form a part of Certificate No. N-79  
12:01 A.M. Standard Time  
Mississippi Power & Light Company and System Energy Resources, Inc. and South  
Issued to Mississippi Electric Power Association  
Date of Issue July 15, 1989

For the Subscribing Companies

By   
PRESIDENT

Endorsement No. 13

Countersigned by 



**Nuclear Energy Liability Insurance**  
**NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION**

ENDORSEMENT TO CERTIFICATE NO. N-79  
Forming Part of Master Policy No. 1  
Nuclear Energy Liability Insurance  
(Secondary Financial Protection)

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- (1) Facility Form Policies
    - (i) Nuclear Energy Liability Insurance Association's Policy NF- 257 \$124,000,000
    - (ii) Mutual Atomic Energy Liability Underwriter's Policy MF- 106 \$ 36,000,000
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THIS IS TO CERTIFY THAT THIS IS A TRUE COPY OF THE ORIGINAL CERTIFICATE BEARING THE NUMBER DESIGNATED HEREON, FOR INSURANCE COVERAGE UNDER THE MASTER POLICY-NUCLEAR ENERGY LIABILITY INSURANCE (SECONDARY FINANCIAL PROTECTION). NO INSURANCE IS AFFORDED BY THIS COPY.

*J. S. Quattrocchi*  
JOHN L. QUATTROCCHI  
VICE PRESIDENT-UNDERWRITING  
AMERICAN NUCLEAR INSURERS

Effective Date of  
this Endorsement January 1, 1988 To form a part of Certificate No. N-79  
12:01 A.M. Standard Time

Issued to Mississippi Power & Light Company and System Energy Resources, Inc. and South Mississippi Electric Power Association

Date of Issue July 15, 1989

For the Subscribing Companies

By

*James H. ...*  
PRESIDENT

Endorsement No. 12

Countersigned by

*Keith J. ...*

NUCLEAR ENERGY LIABILITY INSURANCE

MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1989

It is agreed that Items 1 and 2 of Endorsement No. 30  
are amended to read:

1. ADVANCE PREMIUM: It is agreed that the Advance  
Premium due the companies for the period designated above  
is: \$ 113,858.00.

2. STANDARD PREMIUM AND RESERVE PREMIUM: In the absence of  
a change in the Advance Premium indicated above, it is agreed  
that, subject to the provisions of the Industry Credit Rating  
Plan, the Standard Premium is said Advance Premium and the  
Reserve Premium is: \$ 85,857.00.  
Additional Premium: \$ 5,670.00.

This is to certify that this is a true copy of the original  
Endorsement having the endorsement number and being made part  
of the Nuclear Energy Liability Policy (Facility Form) as des-  
ignated hereon. No Insurance is afforded hereunder.

*J. S. Quattrocchi*  
John S. Quattrocchi, Vice President-Underwriting  
American Nuclear Insurers

Effective Date of  
this Endorsement July 1, 1989 To form a part of Policy No. MF-106  
12:01 A.M. Standard Time  
Issued to Mississippi Power & Light Company and System Energy Resources, Inc. and  
South Mississippi Electric Power Association  
Date of Issue July 18, 1989

For the Subscribing Companies

MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS

By

Countersigned by

Endorsement No. 37

*John S. Quattrocchi*  
Authorized Representative



NUCLEAR ENERGY LIABILITY INSURANCE

MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS

Increase of Limit of Liability Endorsement

It is agreed that:

1. The limit of liability stated in Item 4 of the declarations of the policy is amended to read \$45,000,000.00. This amended limit applies with respect to obligations assumed or expenses incurred because of bodily injury or property damage caused during the period from the effective date of this endorsement to the date of termination of the policy, by the nuclear energy hazard.
2. The limit of liability stated in Item 4 of the declarations and the amended limit of liability stated in paragraph 1 above shall not be cumulative, and each payment made by the companies after the effective date of this endorsement for any loss or expense covered by the policy shall reduce by the amount of such payment both the limit of liability stated in Item 4 of the declarations and the amended limit of liability stated in paragraph 1 above, regardless of which limit of liability applies with respect to the bodily injury or property damage out of which such loss or expense arises.

Effective Date of this Endorsement July 1, 1989 To form a part of Policy No. MF-106  
12:01 A.M. Standard Time  
Issued to Mississippi Power & Light Company and System Energy Resources, Inc. and South Mississippi Electric Power Association  
Date of Issue July 18, 1989

This is to certify that this is a true copy of the original Endorsement having the endorsement number and being made part of the Nuclear Energy Liability Policy (Facility Form) For the Subscribing Companies signated hereon. No Insurance is afforded hereunder.

*J. B. Quattrocchi*  
John B. Quattrocchi, Vice President-Underwriting  
American Nuclear Insurers

MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS

By *J. B. Quattrocchi*

Endorsement No. 36

Countersigned by

*John J. Bonhetti*  
AUTHORIZED REPRESENTATIVE

ME-12



NUCLEAR ENERGY LIABILITY INSURANCE

MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1988

It is agreed that Items 1 and 2 of Endorsement No. 30

are amended to read:

1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$ 113,407.00.

2. STANDARD PREMIUM AND RESERVE PREMIUM: In the absence of a change in the Advance Premium indicated above, it is agreed that, subject to the provisions of the Industry Credit Rating Plan, the Standard Premium is said Advance Premium and the Reserve Premium is: \$ 85,515.00.

Return Premium is: \$ 5,848.00.

This is to certify that this is a true copy of the original Endorsement having the endorsement number and being made part of the Nuclear Energy Liability Policy (Facility Form) as designated hereon. Insurance is provided hereunder.

*J. S. Quattrocchi*  
John L. Quattrocchi, Vice President Underwriting  
American Nuclear Insurers

Effective Date of this Endorsement January 1, 1988 To form a part of Policy No. MF-106  
12:01 A.M. Standard Time  
Issued to Mississippi Power & Light Company and System Energy Resources, Inc. and  
South Mississippi Electric Power Association  
Date of Issue April 28, 1989

For the Subscribing Companies

MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS

By *J. S. Quattrocchi*

Countersigned by *John L. Quattrocchi*

Authorized Representative

Endorsement No. 35

Nuclear Energy Liability Insurance  
NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

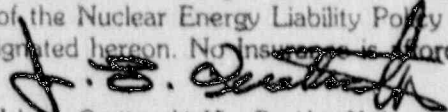
CALENDAR YEAR 1989

It is agreed that Items 1 and 2 of Endorsement No. 51  
are amended to read:

1. ADVANCE PREMIUM: It is agreed that the Advance  
Premium due the companies for the period designated above  
is: \$ 392,179.00.

2. STANDARD PREMIUM AND RESERVE PREMIUM: In the absence of  
a change in the Advance Premium indicated above, it is agreed  
that, subject to the provisions of the Industry Credit Rating  
Plan, the Standard Premium is said Advance Premium and the  
Reserve Premium is: \$ 295,731.00.  
Additional Premium: \$ 19,530.00.

This is to certify that this is a true copy of the original  
Endorsement having the endorsement number and being made part  
of the Nuclear Energy Liability Policy (Facility Form) as des-  
ignated hereon. No Insurance is afforded hereunder.

  
John L. Quattrocchi, Vice President-Underwriting  
American Nuclear Insurers

Effective Date of  
this Endorsement January 1, 1989 To form a part of Policy No NF-257  
12:01 A.M. Standard Time

Mississippi Power & Light Company and System Energy Resources, Inc. and  
Issued to South Mississippi Electric Power Association

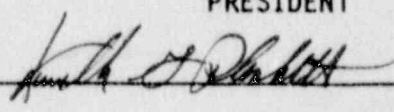
Date of Issue July 18, 1989

For the Subscribing Companies

By 

PRESIDENT

Endorsement No 58

Countersigned by 

NE-36

**Nuclear Energy Liability Insurance**  
**NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION**

**INCREASE OF LIMIT OF LIABILITY ENDORSEMENT**

(After Prior Increase)

It is agreed that:

1. The limit of the companies' liability stated in Item 4 of the declarations as amended by the Increase of Limit of Liability Endorsement(s) listed below is further amended to read \$ 155,000,000.00; but in the event that any payments have heretofore been made by the companies for loss or expense covered by the policy, each of those limits of liability including the limit of liability as amended by this endorsement is reduced in accordance with Condition 3 of the policy by the total amount of those payments, except to the extent that any such reduced limit of liability may have been previously restored in accordance with a Restoration of Limit of Liability Endorsement.
2. The increase in the limit of liability provided by this endorsement applies only with respect to obligations assumed or expenses incurred because of bodily injury or property damage caused, during the period from the effective date of this endorsement to the date of termination of the policy, by the nuclear energy hazard.
3. The original limit of liability stated in Item 4 of the declarations, the limit(s) of liability stated in the Increase of Limit of Liability Endorsement(s) listed below and the amended limit of liability stated in paragraph 1 above shall not be cumulative; and each payment made by the companies after the effective date of this endorsement for any loss or expense covered by the policy shall reduce by the amount of such payment each of those limits of liability, regardless of which limit of liability applies with respect to the bodily injury or property damage out of which such loss or expense arises.

Previous Increase of Limit of Liability Endorsement(s)

Endorsement No. (s): 20

This is to certify that this is a true copy of the original Endorsement having the endorsement number and being made part of the Nuclear Energy Liability Policy (Facility Form) as designated hereon. No Insurance is afforded hereunder.

*J. B. Quattrocchi*  
John B. Quattrocchi, Vice President - Underwriting  
American Nuclear Insurers

Effective Date of  
this Endorsement

July 1, 1989

12:01 A.M. Standard Time

To form a part of Policy No NF-257

Mississippi Power & Light Company and System Energy Resources, Inc. and

Issued to South Mississippi Electric Power Association

Date of Issue July 18, 1989

For the subscribing companies

By

*[Signature]*  
PRESIDENT

Endorsement No 57

Countersigned by

*[Signature]*

NE-12A (1/1/81)



Nuclear Energy Liability Insurance  
NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1988

It is agreed that Items 1 and 2 of Endorsement No. 48

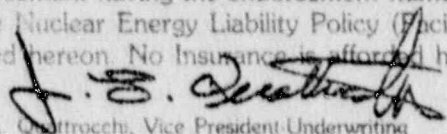
are amended to read:

1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$ 390,625.00.

2. STANDARD PREMIUM AND RESERVE PREMIUM: In the absence of a change in the Advance Premium indicated above, it is agreed that, subject to the provisions of the Industry Credit Rating Plan, the Standard Premium is said Advance Premium and the Reserve Premium is: \$ 294,550.00.

Return Premium is: \$ 20,141.00.

This is to certify that this is a true copy of the original Endorsement having the endorsement number and being made part of the Nuclear Energy Liability Policy (Facility Form) as designated hereon. No Insurance is afforded hereunder.

  
John L. Quattrocchi, Vice President-Underwriting  
American Nuclear Insurers

Effective Date of  
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12:01 A.M. Standard Time

Mississippi Power & Light Company and System Energy Resources, Inc. and  
Issued to South Mississippi Electric Power Association

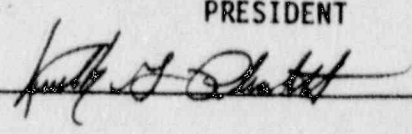
Date of Issue April 28, 1989

For the Subscribing Companies

By 

PRESIDENT

Endorsement No 56

Countersigned by 

NE-36