

Sedgwick Global Power Services

40 Broad Street, Boston, Massachusetts 02109 Telephone 617 357-6600. Facsimile 617 357-6755

July 20, 1998

Mr. Ira Denitz Indemnity Specialist Nuclear Regulatory Commission Mail Stop 11D 23 Washington DC 20555

Re: TVA Nuclear Liability Endorsements

Dear Ira:

Enclosed is one certified copy of each of the policy/ certificate endorsements listed in the attached schedule, as per 10 CFR 140.15.

Sincerely,

Michael G. McGinty, ARM

Managing Director

Enc.

cc: V. Harkleroad, TVA

R. Santaniello, SGPS Atlanta

MGM/lap/tvaendt

11001



9807290102 980720 PDR ADDCK 05000259 PDR

| Policy/Certificate | Endorsement |
|--------------------|-------------|
| NF-198 | 151-156 |
| MF-66 | 134 |
| N-38 | 28-29 |
| N-39 | 28-29 |
| N-40 | 28-29 |
| NW-581 | 1-3 |
| NF-247 | 116-120 |
| MF-102 | 107 |
| N-66 | 28-29 |
| N-75 | 27-28 |
| NW-614 | 1-3 |
| NF-256 | 79-83 |
| MF-134 | 21 |
| N-80 | 11-12 |
| NW-618 | 1-2 |

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

It is agreed that Items 1 and 2 of Endorsement No. 153 are amended to read:

- ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$485,709.00
- 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: \$365,280.00

RETURN PREMIUM: \$25,059.00

This is to certify that this is a true copy of the original discovering the endersement number and being made part of the Musician Energy-Machilley Policy (Fectity Form) as deed ignated harden. Molecularance is allerded bereather.

John L. Gustreed Manier View Proddens-Underweidug American Nudeer Insuress

| Εf | f | ect. | ĺ١ | ve | Date | of |
|----|---|------|----|----|------|----|
| | | | | | | |

this Endorsement: January 1, 1998

(12:01 A.M. Standard Time)

To form a part of Policy No. NF -0198

Issued to: Tennessee Valley Authority

Date of Issue: July 8, 1998

By President Companies

Endorsement No: 156

Countersigned by _____

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1997

It is agreed that Items 1 and 2 of Endorsement No. 148 are amended to read:

- 1. **ADVANCE PREMIUM**: It is agreed that the Advance Premium due the companies for the period designated above is: \$536,259.00
- 2. STANDARD PREMIUM AND RESERVE PREMIUM: In the absence of a charge 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: \$404,735.00

ADDITIONAL PREMIUM: \$25,481.00

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 hyreos. No insurance is afforded hereunder.

John L. Guberoom, Senior Van Presssessia Malla Martin Martin

| Effective Date of this Endorsement: January 1, 1997 (12:01 A.M. Standard Time) | To form a part of Policy No. NF -0198 |
|--|--|
| Issued to: Tennessee Valley Authority | |
| | |
| Date of Issue: April 24, 1998 | For the subscribing companies By President |
| Endorsement No: 155 | Countersigned by |

CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT CALENDAR YEAR 1998

- It is agreed that with respect to bodily injury, property damage, environmental damage or evacuation of the public caused, during the effective period of this endorsement, by the nuclear energy hazard:
 - a. The word "companies" wherever used in the policy means the subscribing companies listed below
 - b. The policy shall be binding on such companies only.
 - c. Each such company shall be liable for its proportion of any obligation assumed or expense incurred under the policy because of such bodily injury, property damage, environmental damage or evacuation of the public as designated below.
- 2. It is agreed that the effective period of this endorsement is from the beginning of the effective date of this endorsement stated below to the close of December 31, 1998, or to the time of the termination or cancellation of the policy, if so oner.

| | | ã. |
|--|--------------|--|
| American Home Assurance Company | 00.744653 % | nade |
| Cincinnati Insurance Company | 01.271962 % | Ē. |
| Continental Insurance Company | 16.759550 % | <u> </u> |
| Employers Mutual Casualty Company | 00.220520 % | <u> </u> |
| Federal Insurance Company | 08.820816 % | To E g 5 |
| Fireman's Fund Insurance Company | 01.764163 % | 2 × 2 5 7 |
| General Accident Insurance Company | 02.134637 % | 2 2 4 6 |
| General Insurance Company of America | 01.834730 % | |
| Great American Insurance Company | 00.882082 % | 2 2 8 8 8 |
| Greenwich Insurance Company | 03.327561 % | R E S |
| Hartford Fire Insurance Company | 14.113306 % | e E E |
| Maryland Casualty Company | 02.999077 % | E & L & 6/ 3 |
| Motors Insurance Corporation | 00.441041 % | a & & a > § |
| Royal Insurance Company of America | 02.408083 % | S S S S S S S S S S S S S S S S S S S |
| St. Paul Fire . d Marine Insurance Company | 07.088937 % | 8 • E LIS |
| State Farm Fire and Casualty Company | 00.882082 % | 5 9 5 F 1 3 |
| Sumitonio Marine and Fire Insurance Company | 00.352833 % | |
| TIG Insurance Company | 00.882082 % | |
| Tokio Marine and Fire Insurance Company, LTD | 00.529247 % | 26.73 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.0 |
| Travelers Indemnity Company of Connecticut | 20.162621 % | to cer ementi uclea erec |
| Universal Underwriters Insurance Company | 00.194058 % | TSe Sold Min N |
| U.S. Fidelity and Guaranty Company | 10.584979 % | do d |
| Zurich Insurance Company | 01.600978 % | Fig. 65 Fig. |
| Total | 100.000000 % | NE- 8 |

Effective Date of this Endorsement

January 1, 1998 12:01 A.M. Standard Time

To form a part of Policy No.

NF -C198

Issued to Tennessee Valley Authority

Date of Issue

March 20, 1998

For the subscribing companies,

President

Endorsement No.

154

Countersigned by_

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

- ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$510,768.00
- 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: \$384,523.00

Effective Date of this Endorsement: January 1, 1998 To form a part of Policy No. NF -0198 (12:01 A.M. Standard Time)

Issued to: Tennessee Valley Authority

Date of Issue: November 24, 1997 For the subscribing companies

This is to certify that this is a true copy of the original

of the Nuclear Energy Liability Policy (Facility Form) as de ignated hyreon. Mountaine is afformed heromeder.

Countersigned by

Endorsement having the endorsement number and being made part

Endorsement No: 153

AMENDMENT OF CONDITION 4

It is agreed that with respect to bodily injury, property damage, environmental damage or evacuation of the public caused after the effective date of this endorsement by the nuclear energy hazard, the figure "\$183,480,000" stated in Condition 4 of this policy is amended to read "\$200,000,000".

Effective Date of this Endorsement:

Issued to:

Date of Issue:

Endorsement No:

January 1, 1998

(12:01 A.M. Standard Time)

Tennessee Valley Authority

December 15, 1997

152

This is to certify that this is a true copy of the original Endorsement having the endorsement number and being made part of the Naclear Energy Liability Policy (Facility Form) as dissignated hereonally insurance is afforded by earlier.

John L. Quamerchi, Senior Vice President-Underwriting American Nuclear Insurers.

To form a part of Policy No. NF -0198

Countersigned by _

INCREASE OF LIMIT OF LIABILITY ENDORSEMENT

(After Prior Increase)

It is agreed that:

- The limit of the companies' liability stated in Item 4 of the declarations as amended by the Increase 1. of Limit of Liability Endorsement(s) listed below is further amended to read \$200,000,000, 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.
- The increase in the limit of liability provided by this endorsement applies only with respect to 2 obligations assumed or expenses incurred because of bodily injury, property damage, environmental damage or evacuation of the public caused, during the period from the effective date of this endorsement to the date of termination of the policy, by the nuclear energy hazard
- The original limit of liability stated in Item 4 of the declarations, the limit(s) of liability stated in the 3. 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, property damage, environmental damage or evacuation of the public out of which such loss or expense arises.

Previous Increase of Limit of Liability Endorsement(s) Endorsement No.(s): 16, 21, 28, 39, 47, 106 and 146

| of the Nuclear En | that this is a true copy of the original ring the endorsement number and being the instance is affor led being rance is affor led being rance. Into Vice Prosident-Lindarwriting | | part |
|-------------------|---|-----|------|
| 8 | To form a part of Policy No. | NF. | -019 |

Effective Date of this Endorsement:

January 1, 199 (12:01 A.M. Standard Time)

Issued to:

Tennessee Valley Authority

Date of Issue:

December 15, 1997

Endorsement No:

151

Countersigned by _

NUCLEAR ENERGY LIABILITY INSURANCE MUTUAL ATOMIC ENERGY LIABILITY UNDER WRITERS

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1997

It is agreed that Items 1 and 2 of Endorsement No. 130 are amended to read:

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$48,283.00
- 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: \$36,441.00

ADDITIONAL PREMIUM: \$2,294.00

This is to certify that this is a true copy of the original Endorsement having the endorsement number and being made part of the Nacioer Eastly Liability Policy Coulty Forms as ignated hereon. In Insurance is all this true with the contract of the Nacion of the Nacion

Effective Date of

this Endorsement:

January 1, 1997

(12:01 A.M. Standard Time)

To form a part of Policy No. MF -0066

Issued to: Tennessee Valley Authority

Date of Issue:

April 24, 1998

For the subscribing compunies

By

Chilling

By

Endorsement No: 134

Countersigned by

ANNUAL PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

| 1. | ANNUAL | PREMIUM: | It is | agreed | that | the | Advance | Premium | due | the | companies |
|----|---------|----------|--------|----------|--------|------|------------|---------|-----|-----|-----------|
| | for the | period o | design | nated ab | ove is | :: : | \$7.500.00 | | | | |

THIS IS TO CERTIFY THAT THIS IS A TRUE COPY OF THE ORIGINAL CERTIFICATE, BEARING THE NUMBER DESIGNATED MEREON, FOR INSURANCE COVERAGE UNDER THE MASTER POLICY-NUCLEAR ENERGY LIABILITY INSURANCE IS APPORTSED BY THIS COPY.

JOHN D. DUATTROCCHI
SENIOR VICE PRESIDENT-UNDERWARITING
AMERICAN NUCLEAR INSURERS

| Effective Date of | | | |
|-------------------|---|-----------------------------------|--------|
| this Endorsement: | January 1, 1998 (12:01 A.M. Standard Time) | To form a part of Certificate No. | M -003 |

Issued to: Tennessee Valley Authority

Date of Issue: August 5, 1997

For the subscribing companies

By

President

Endorsement No: 29

Countersigned by

ENDORSEMENT TO CERTIFICATE NO. N -0038

Forming Part of Master Policy No. 1 Nuclear Energy Liability Insurance (Secondary Financial Protection)

| | | | () | , | | |
|----------------|-----------------|-------------------------|--|--|---|--|
| It is a | greed that effe | ctive Jan | uary 1, 1998: | | | |
| I.) | Item 4. (a) o | f the cert | ificate is amended | to read as follows: | | |
| | Item 4. (a) | Identif | ication of primary) of liability thereo | financial protection appli | icable to the nucl | lear reactor and |
| | | (1) | Facility Form Pol | icy | | |
| | | | Nuclear Energy I Policy NF-0198 | Liability Insurance Associa | ation's \$200,000,000 |) |
| | | (2) | Master Worker P | olicy (Facility Worker Fo | orm): | |
| | | | Nuclear Energy L Master Worker P | iability Insurance Associated NMWP-2 | ation's \$200,000,000 | |
| II.) | Item 7. of the | ecertifica | <u>te</u> is amended to r | ead as follows: | | |
| | Item 7. | payable | um retrospective e pursuant to Cond t: \$79,275,000. | premium (exclusive of dition 2 of the Master Pol this is to certify that certificate bearing the insurance coverage length of the protection of insurance coverage length of the coverage length of the coverage length of the coverage length of the length o | ICY WITH RESPECT I THIS IS A TRUE CO HE NUMBER DESIGN UNDER THE MASTE ANCE ISECONDARY | to each <u>nuclear</u> PY OF THE ORIGINAL NATED HEREON, FOR R POLICY NUCLEAR Y FINANCIAL |
| Effective Date | | | | SENIOR VICE PRESIDENT AMERICAN NUCLEAR IN | | |
| this Endorsen | | anuary 1 11 A.M. Sta | l , 1998 Indard Time) | To form a part of Ce | ertificate No. | N -0038 |
| issued to: | Tennessee | Valley A | uthority | | | |
| Date of Issue: | Dec | ember 1: | 5, 1997 | For the subscribing | companies | |

Countersigned by

NE-S-22 (1/1/98)

Endorsement No:

ANNUAL PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

| 1 | . / | ANN | UAL | PREMIUM | : It | is | agree | ed tha | at the | Advance | Fremium | due | the | companies |
|---|-----|-----|-----|---------|------|------|--------|--------|--------|------------|---------|-----|-----|-----------|
| | 1 | for | the | period | desi | igna | ated a | above | is: | \$7,500.00 | | | | 1 |

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 ISECONDARY FINANCIAL PROTECTIONE NO INSURANCE IN AFFORDED BY JAIS CO JOHN DUATTROCCH CHESIDENT-UNDERWARKS

AMERICAN NUCLEAR INGUIRERS

Effective Date of this Endorsement: January 1, 1998

(12:01 A.M. Standard Time)

To form a part of Certificate No. N -0039

Issued to: Tennessee \ ...y Authority

Date of Issue: August 5, 1997

Endorsement No: 29

Countersigned by _____

ENDORSEMENT TO CERTIFICATE NO. N -0039

Forming Part of Master Policy No. 1 Nuclear Energy Liability Insurance (Secondary Financial Protection)

| It is ag | greed that effe | ctive Ja | nuary 1, 1998: | | | |
|----------------|-----------------|-----------------|---|--|--|---|
| I.) | Item 4. (a) o | f the <u>ce</u> | tificate is amended | to read as follows: | | |
| | Item 4. (a) | Ident limit(| ification of primary s) of liability thereo | financial protection applic | able to the nucle | ar reactor and |
| | | (1) | Facility Form Pol | icy: | | |
| | | | Nuclear Energy L Policy NF-0198 | iability Insurance Associat | tion's \$200,000,000 | |
| | | (2) | Master Worker Pe | olicy (Facility Worker For | m): | |
| | | | Nuclear Energy L Master Worker Po | iability Insurance Associat | sion's \$200,000,000 | |
| II.) | Item 7. of the | certific | ate is amended to re | ead as follows: | | |
| Effective Date | | payab incide | num retrospective le pursuant to Cond nt: \$79,275,000. | premium (exclusive of all lition 2 of the Master Police This is to certify that the certificate, bearing the insurance coverage undersoy liability insurant protection, no insurant protection, no insurant john to ouattrocchi senior vice president underson nuclear insurant form a part of Certifican part of Certifican insurant part of Certifican nuclear nucle | TY WITH RESPECT TO HIS IS A TRUE COPY NUMBER DESIGNATION IDER THE MASTER NCE (SECONDARY FOR ICE IS AFFORCED B UNDERWRITING UNDERWRITING | each <u>nuclear</u> OF THE GRIGINAL ATED HEREON FOR POLICY NUCLEAR INANCIAL |
| | | | andard Time) | ro form a pair of Cen | inicate No. | N -0039 |
| issued to: | Tennessee \ | Valley A | Authority | | | |
| | | | | | | |

Endorsement No:

Date of Issue:

28

December 15, 1997

Countersigned by _____

For the subscribing companies

NE-S-22 (1/1/98)

ANNUAL PREMIUM ENDORSEMENT

CALEND//R YEAR 1998

| 1. | ANNUAL | PREMIUM | t It is | agreed | that t | he Advance | Premium | due | the | companies |
|----|---------|---------|---------|---------|---------|------------|---------|-----|-----|---------------|
| | for the | period | design | ated ab | ove is: | \$7,500.00 | | | | o ding action |

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 IS ASSOCIATED BY AVIS COPY.

JOHN QUATTROCCHI SENIOR VICE PRESIDENT-UNDERWARNTHIN

Countersigned by _____

| | AMERIC | an pullean regerees |
|-------------------------------------|---|---|
| Effective Date of this Endorsement: | January 1, 1998 (12:01 A.M. Standard Time) | To form a part of Certificate No. N -004 |
| Issued to: Tennes | see Valley Authority | |
| Date of Issue: | August 5, 1997 | For the subscribing companies By President |

Endorsement No: 29

ENDORSEMENT TO CERTIFICATE NO. N -0040

Forming Part of Master Policy No. 1 Nuclear Energy Liability Insurance (Secondary Financial Protection)

| | | | | <i>'</i> | | | | |
|------------------------------|--|----------------------------|--|---|--|---|--|--|
| It is ag | reed that e | ffective Janu | uary 1, 1998: | | | | | |
| 1.) | Item 4. (a) of the <u>certificate</u> is amended to read as follows: | | | | | | | |
| | Item 4. (a) | ldentif | ication of primary () of liability thereof | inancial protection appli | cable to the nucle | ar reactor and | | |
| | | (1) | Facility Form Police | cy: | | | | |
| | | | Nuclear Energy Li Policy NF-0198 | ability Insurance Associa | ation's \$200,000,000 | | | |
| | | (2) | Master Worker Po | licy (Facility Worker Fo | rm): | | | |
| | | | Nuclear Energy Li. Master Worker Po | ability Insurance Associa | ation's \$200,000,000 | | | |
| II.) | Item 7. of | the <u>certifica</u> | <u>te</u> is amended to re | ad as follows: | | | | |
| | Item 7. | payable | um retrospective persuant to Condit: \$79,275,000. | oremium (exclusive of tion 2 of the Master Political Certificate, Bearing the Insurance Coverage Lenergy Liability Insurance Protection Lab Insurance | icy with respect to THIS IS A TRUE COP HE NUMBER DESIGN UNDER THE MASTER ANCE (SECONDARY | y of the original ated hereon for Policy nuclear Financial | | |
| Effective Date this Endorsem | ent: | January I 2:01 A.M. Sta | | JOHN D. QUATTROCCHI SENIOR VICE PRESIDENT AMERICAN NUCLEAR INS To form a part of Ce | SURERS | N -0040 | | |
| Issued to: | Tennesse | ee Valley A | uthority | | | | | |
| Date of Issue: | D | ecember 15 | 5, 1997 | For the subscribing of | companies | Tuen | | |

Countersigned by _____

NE-S-22 (1/1/98)

Endorsement No:

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

| 1. | ADVANCE PREMIUM: It | is agreed | that the | Advance | Premium | due | the | companies |
|----|---------------------|-------------|-------------------|----------|---------|-----|-----|--------------|
| | for the period desi | gnated abov | re is: \$6 | 9,300.00 | | | | o ompatite o |

| 2. | STANDARD PREMIUM AND HESERVE 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: \$51,975.00 | |

This is to certify that this is a true copy of the original endorsement having the endorsement number and being made part of the Certificate of Insurance bearing the number designated hereon for insurance coverage under the Nuclear Energy Liability Policy (Facility Workers Form). No insurance is afforded hereundar.

John L. Quartrocchi, Senior and president discontining American Nuclear Insurans

| Effective Date of this Endorsement: January 1, 1998 (12:01 A.M. Standard Time) Issued to: Tennessee Valley Authority | To form a part of Certificate No. NW -0581 |
|---|---|
| Date of Issue: December 4, 1997 | For the subscribing companies By President |
| Endorsement No: 3 | Countersigned by |

AMENDATORY ENDORSEMENT

It is agreed that payments of premiums except payments of reserve premium charges made to the companies by the Named Insureds designated in the Certificate to which this endorsement is attached and refunds of premiums except refunds of reserve premium charges, made to such insureds by the companies shall be transacted through the duly appointed broker of record of the first Named Insured designated in the Certificate.

This is to certify that this is a true copy of the original endorsement having the endorsement number and being made part of the Certificate of Insurance bearing the number designated hereon for insurance coverage under the Nuclear Energy Liability Policy (Facility Workers Form). National is afforded incrementar.

John L. Quattrocchi, Senior Vide President-Underwriting American Nuclear Insurers

| Effective | Date of |
|-----------|----------|
| this Endo | rsement: |

January 1, 1998
12:01 A.M. Standard Time

To form a part of Certificate No. NW -0581

issued to:

Tennessee Valley Authority

Date of Issue:

December 15, 1997

For the subscribing companies

PRESIDENT

Endorsement No:

2

Countersigned by _____

DESCRIPTION OF THE FACILITY ENDORSEMENT

It is agreed that Item 3 of the Declarations, "Description of the Facility," is as follows:

Location:

All of the premises including the land and all buildings and structures of Tennessee Valley Authority's Browns Ferry Nuclear Station shown as being within the yellow outlines on a reduced copy of Tennessee Valley Authority's drawing number 67-C-10E200-01 dated October 17, 1980, a copy of which is attached hereto and made a part hereof. Browns Ferry Nuclear Power Station is located approximately ten miles southwest of Athens, Alabama and ten miles northwest of Decatur. Alabama

This is to certify that this is a true copy of the original endorsement having the endorsement number and being made part of the Certificate of Insurance bearing the number designated hereon for insurance coverage under the Nuclear Energy Liability Policy (Facility Workers Form). No insurance is afforded hereunder.

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

Effective Date of

this Endorsement: January

January 1, 1998
12:01 A.M. Standard Time

To form a part of Certificate No. NW -0581

Issued to:

Tennessee Valley Authority

Date of Issue:

December 15, 1997

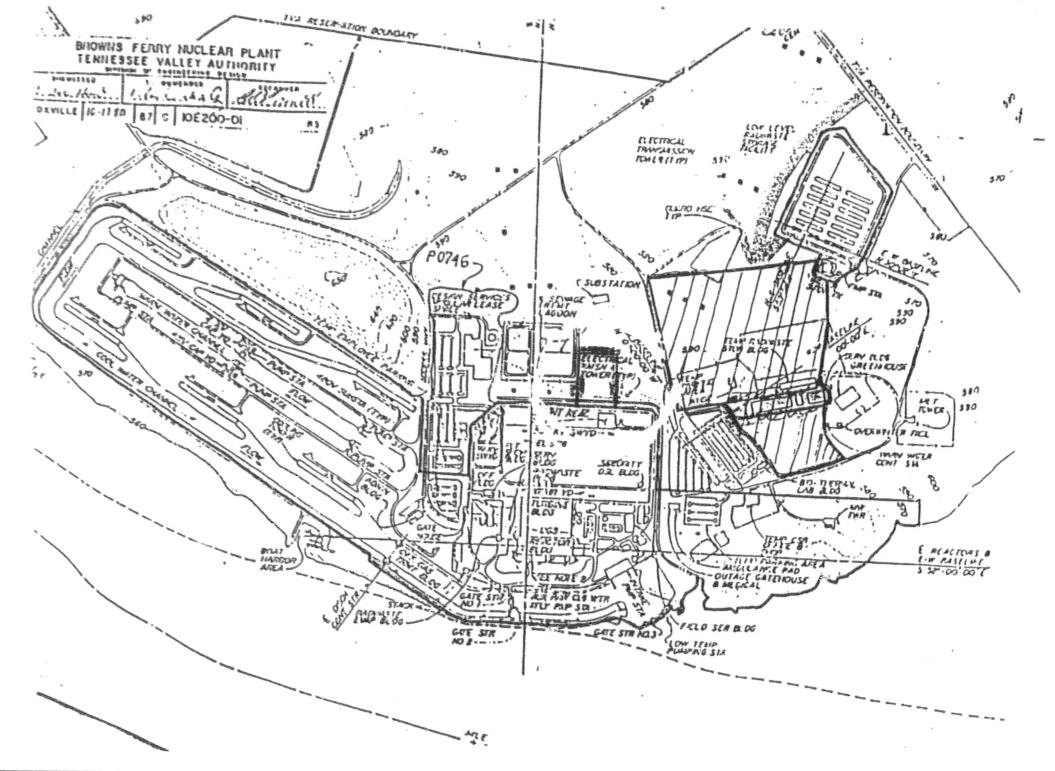
For the subscribing companies

PRESIDENT

Endorsement No:

1

Countersigned by _____



NUCLEAR ENERGY LIABILITY POLICY (Facility Worker Form)

herein called the MASTER WORKER POLICY

CERTIFICATE OF INSURANCE

Certificate No. NW - 0581

Date of Issue December 15, 19 97

This is to certify that the insureds named in Item 1 of the Declarations hereof, hereinafter called the "Named Insureds", have obtained insurance under the Master Worker Policy issued by Nuclear Energy Liability Insurance Association on behalf of its members. The insurance is subject to all of the provisions of this "Certificate" and the Master Worker Policy.

DECLARATIONS

Item 1. Named Insureds and Addresses:

Tennessee Valley Authority 1101 Market Street Mail Stop BR3H Chattanooga, TN 37402

Item 2. Certificate Coverage Period:

Beginning at 12:01 a.m. on January 1, 1998, Eastern Standard Time and continuing through the effective date of cancellation or termination of this Certificate.

NMWPC-2 Page 1 of 3

Item 3. Description of the Facility:

Location: See Endorsement No. 1

Type: Power Reactor

Operator of the Facility: Fennessee Valley Authority

Facility Form Inception Date: September 22, 1971 (12:01 A.M. Standard Time)

Item. 4. Amount of Insurance Available:

The amount of insurance afforded by the Master Worker Policy through this Certificate shall be determined by Section VIII of the Master Worker Policy and all of the other provisions of the policy relating thereto.

Item 5. Advance Premium: \$69,300.

APPLICATION OF CERTIFICATE

This Certificate applies only to bodily injury to a worker which (1) is caused by the nuclear energy hazard on or after the Facility Form Inception Date stated in Item 3 above, (2) is first reported to the companies on or after 12:01 a.m. on January 1, 1998, Eastern Standard Time and (3) is discovered and for which written claim is made against the insured, not later than one year after the end of the Certificate Coverage Period.

IN WITNESS WHEREOF, the companies subscribing the Master Worker Policy have caused this Certificate to be executed and attested on their behalf by the President of Nuclear Energy Liability Insurance Association and duly countersigned by an authorized representative.

For the Subscribing Companies of NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

| George D. Turner, Pr | ' / / | | - | |
|----------------------|-------|------------|----------------|--|
| Ву | Penje | 7). | Twn | |
| Countersigned by: | | | | |
| | (Aut | horized Re | epresentative) | |

This is to certify that this is a true copy of the original Certificate bearing the number designated hereon, for insurance coverage under the Nuclear Energy Liability Policy (Facility Workers Form) herein called the Master Worker Policy. No insurance is afforded by this popy.

John L. Quattrocchi, Senior Vide President Underwriting American Nuclear insurers

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1997

It is agreed that Items I and 2 of Endorsement No. 113 are amended to read:

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$548,317.00
- 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: \$413,705.00

ADDITIONAL PREMIUM: \$2,302.00

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

John L. Quartington. Senior Vice President-Underweiting

Effective Date of

this Endorsement:

January 1, 1997

(12:01 A.M. Standard Time)

To form a part of Policy No. NF -0247

Issued to: Tennessee Valley Authority

Date of Issue:

April 28, 1998

For the subscribing companies

Countersiana

Endorsement No: 120

NE-36

CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT CALENDAR YEAR 1998

- It is agreed that with respect to bodily injury, property damage, environmental damage or evacuation of the public caused, during the effective period of this endorsement, by the nuclear energy hazard:
 - a. The word "companies" wherever used in the policy means the subscribing companies listed below.
 - b. The policy shall be binding on such companies only.
 - c. Each such company shall be liable for its proportion of any obligation assumed or expense incurred under the policy because of such bodily injury, property damage, environmental damage or evacuation of the public as designated below.
- It is agreed that the effective period of this endorsement is from the beginning of the effective date of this
 endorsement stated below to the close of December 31, 1998, or to the time of the termination or cancellation
 of the policy, if sooner.

| American IV. | | 784 |
|--|--------------|---|
| American Home Assurance Company | 00.744653 % | 6 |
| Cincinnati Insurance Company | 01.271962 % | 20 |
| Continental Insurance Company | 16.759550 % | E & |
| Employers Mutual Casualty Company | 00.220520 % | _ <u>ද</u> ී දී |
| Federal Insurance Company | 08.820816 % | 8 8 |
| Fireman's Fund Insurance Company | 01.764163 % | B B E |
| General Accident Insurance Company | 02.134637 % | 7 3 5 5 5 |
| General Insurance Company of America | 01.834730 % | E E Z E V |
| Great American Insurance Company | 00.882082 % | E E E |
| Greenwich Insurance Company | 03.327561 % | \$ 50 m |
| Hartford Fire Insurance Company | 14.113306 % | 0 2 5 5 5 8 8 8 |
| Maryland Casualty Company | 02.999077 % | E E E E E |
| Motors Insurance Corporation | 00.441041 % | Ega |
| Loyal Insurance Company of America | 02.408083 % | # 8 E 8 1/2 |
| St. Paul Fire and Marine Insurance Company | 07.088937 % | S S S S S S S S S S S S S S S S S S S |
| State Farm Fire and Casualty Company | 00.882082 % | Ace Sur |
| Sumitomo Marine and Fire Insurance Company | 00.352833 % | at in |
| TIG Insurance Company | 00.882082 % | |
| Tokio Marine and Fire Insurance Company, LTD | 00.529249 % | EERRY |
| Travelers Indemnity Company of Connecticut | 20.162621 % | Ben Tea |
| Universal Underwriters Insurance Company | 00.194058 % | the the |
| U.S. Fidelity and Guaranty Company | 10.584979 % | 8 8 2 7 |
| Zurich Insurance Company | 01.600978 % | |
| Total | 100.000000 % | NE-98 |

Effective Date of this Endorsement

January 1, 1998
12 01 A.M. Standard Time

To form a part of Policy No.

NF-0247

Issued to Tennessee Valley Authority

Date of Issue

March 20, 1998

For the subscribing companies

Presiden

Counter

S. Spistwedy

Endorsement No

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$527,508.00
- 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: \$397,063.00

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 thereon Mayinsurance is afforded hereunder.

John L. Quartrotiche, Senier Vide Preschille Linkingsteing

Effective Date of

this Endorsement: January 1, 1998

(12:01 AM. Standard Time)

To form a part of Policy No. NF -0247

Issued to: Tennessee Valley Authority

Date of Issue:

Endorsement No: 118

November 24, 1997

For the subscribing companies

1 4

Countersign of by

NE - 36

AMENDMENT OF CONDITION 4

It is agreed that with respect to bodily injury, property damage, environmental damage or evacuation of the public caused after the effective date of this endorsement by the nuclear energy hazard, the figure "\$183,480,000" stated in Condition 4 of this policy is amended to read "\$200,000,000".

> This is to certify that this is a true copy of the original Endorsement having the endorsement number and being made pact of the Nuclear Energy Liability Policy (Facility Form) as d

Effective Date of

this Endorsement:

January 1, 1998

(12:01 A.M. Standard Time)

To form a part of Policy No.

NF -0247

Issued to:

Tennessee Valley Authority

Date of Issue:

December 15, 1997

Endorsement No.

INCREASE OF LIMIT OF LIABILITY ENDORSEMENT (After Prior Increase)

It is agreed that:

- 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 \$200,000,000; 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, property damage, environmental damage or evacuation of the public caused, during the period from the effective date of this endorsement to the date of termination of the policy, by the nuclear energy hazard.
- 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, property damage, environmental damage or evacuation of the public out of which such loss or expense arises.

Previous Increase of Limit of Liability Endorsement(s) Endorsement No.(s): 14, 71 and 111

John L Quettrone

American Nuclear Insurers

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 desp

ignated herson. In insurance is afforded haraunder

Effective Date of this Endorsement:

January 1, 1998 (12:01 A.M. Standard Time) To form a part of Policy No.

NF -0247

issued to:

Tennessee Valley Authority

Date of Issue:

December 15, 1997

For the subscriping companies

Presiden

Countersigned by

Endorsement No:

NUCLEAR ENERGY LIABILITY INSURANCE MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1997

It is agreed that Items 1 and 2 of Endorsement No. 103 are amended to read:

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$49,369.00
- 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: \$37,249.00

ADDITIONAL PREMIUM: \$207.00

This is to certify that this is a true copy of the original Endorsement having the endorsement number and being made part of the Muclear Energy bility Policy (Facility Form) ask

Effective Date of

this Endorsement:

January 1, 1997

(12:01 A.M. Standard Time)

To form a part of Policy No. MF -0102

Issued to: Tennessee Valley Authority

Date of Issue:

April 28. 1998

Endorsement No: 107

Countersigned

ANNUAL PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

| 1. | ANNUAL | PREMIUM | : It | is | agreed | that | the | Advance | Premium | due | the | companies |
|----|---------|---------|------|-----|--------|-------|-----|------------|---------|-----|-----|-----------|
| | for the | period | desi | gna | ted ab | ove i | s: | \$7,500.00 | | | | |

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.

JOHN L QUATTROCCHI SENIOR VICE PRESIDENT-UNDERWRITING AMERICAN NUCLEAR INSURERS

| Effective Dat | e of | | | | | |
|---------------|-------|------------|----|------|-----|--|
| this Endorsem | ment: | January | 1, | 1998 | | |
| | | 1.0 0. 0.0 | | | mbr | |

(12:01 A.M. Standard Time)

To form a part of Certificate No. N -0066

Issued to: Tennessee Valley Authority

Date of Issue: August 5, 1997

By President

Endorsement No: 29 Countersigned by

ENDORSEMENT TO CERTIFICATE NO. _N -0066

Forming Part of Master Policy No. 1 Nuclear Energy Liability Insurance (Secondary Financial Protection)

It is agreed that effective January 1, 1998:

- I.) Item 4. (a) of the certificate is amended to read as follows:
 - Identification of primary financial protection applicable to the nuclear reactor and Item 4. (a) limit(s) of liability thereof:
 - (1)Facility Form Policy:

Nuclear Energy Liability Insurance Association's Policy NF-0247 \$200,000,000

(2) Master Worker Policy (Facility Worker Form):

> Nuclear Energy Liability Insurance Association's Master Worker Policy NMWP-2 **\$2**(0.00,000

- Item 7. of the certificate is amended to read as follows: II.)
 - Item 7 Maximum retrospective premium (exclusive of allowance for premium taxes)

payable pursuant to Condition 2 of the Master Policy with respect to each nuclear

incident: \$79,275,000

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 IABILITY INSURANCE ISECONDARY FINANCIAL PROTECTION: NOTINGURANCE IS AFFORDED BY THIS COPY.

DIATTROCCHI

SENIOR VICE PRESIDENT UNDERWRITING

AMERICAN NUCLEAR INSURERS
To form a part of Certificate No.

N -0066

Effective Date of this Endorsement

January 1, 1998 (12:01 A.M. Standard Time)

Tennessee Valley Authority

Date of Issue:

issued to:

December 15, 1997

Countersigned by

Endorsement No:

28

NE-S-22 (1/1/98)

ANNUAL PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

| 1. | ANNUAL | PREMIUM | k It | is | agreed | that | the | Advance | Premium | due | the | companies |
|----|---------|---------|------|-----|--------|-------|-----|------------|---------|-----|-----|---------------|
| | for the | period | desi | gna | ted ab | ove i | s: | \$7,500.00 | | | | - mpartiz 0 0 |

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.

JOHN L QUATTROCCHI SENIOR VICE PRESIDENT-UNDERWRITING AMERICAN NUCLEAR INSURERS

| Effe | cti | ve | Date | of |
|------|-----|----|------|----|
|------|-----|----|------|----|

this Endorsement:

January 1, 1998

(12:01 A.M. Standard Time)

To form a part of Certificate No. N -0075

Issued to: Tennessee Valley Authority

Date of Issue:

August 5, 1997

For the subscribing companies

Presiden

Countersigned by

Endorsement No:

ENDORSEMENT TO CERTIFICATE NO. _N -0075

Forming Part of Master Policy No. 1 Nuclear Energy Liability Insurance (Secondary Financial Protection)

It is agreed that effective January 1, 1998:

| V. 4 () | | and the second s | | | |
|-------------|--------------------------|--|-----------------|------------|--------------|
| Item 4. (a) | Identification of primar | e financial manteration | L' 1 1 | | |
| mem 4. (a) | ruchunication of brimar | v iinanciai protection | annlicable to t | he nuclear | reactor and |
| () | BC.2-3111514- | | applicable to t | ne nuclear | I Callon and |

(1)Facility Form Policy:

limit(s) of liability thereof:

Item 4. (a) of the certificate is amended to read as follows:

Nuclear Energy Liability Insurance Association's Policy NF-0247 \$200,000,000

(2)Master Worker Policy (Facility Worker Form):

> Nuclear Energy Liability Insurance Association's Master Worker Policy NMWP-2 \$200,000,000

Item 7. of the certificate is amended to read as follows: II.

Item 7

Maximum retrospective premium (exclusive of allowance for premien taxes) payable pursuant to Condition 2 of the Master Policy with respect to each nuclear

incident: \$79,275,000.

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 (GECONDARY FINANCIAL PROTECTION) NO INSURANCE IS AFFORDED BY THIS COPY.

JOHN L. QUATTROCCHI

SENIOR VICE PRESIDENT-UNDERWRITING

AMERICAN NUCLEAR INSURERS
To form a part of Certificate No.

N -0075

Effective Date of this Endorsement:

I.)

January 1, 1998

(12:01 A.M. Standard Time)

Tennessee Valley Authority

Date of Issue:

Issued to:

December 15, 1997

For the subscribing companies

Endorsement No:

27

Countersigned by _

NE-S-22 (1/1/98)

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$46,200.00
- 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: \$34,650.00

This is to certify that this is a true copy of the control and being endorsement having the endorsement number of being made part of the Certificate of Insurance bearing on number designated hereon for insurance coverage under the Nuclear Energy Liebility Pelicy (Facility Wessers Form). No disurance is afforded force.

John L. Charttrocchi, Senior Vice President-Underwriting American Nuclear Insurers

Effective Date of

this Endorsement:

January 1, 1998

To form a part of Cer ificate No. NW -0614

Detaller !!

(12:01 A.M. Standard Time)

Issued to: Tennossee Valley Authority

Date of Issue:

December 4, 1997

For the subscribing companies

7

Endorsement No:

3

Countersigned

NE-36

AMENDATORY ENDORSEMENT

It is agreed that payments of premiums except payments of reserve premium charges made to the companies by the Named Insureds designated in the Certificate to which this endorsement is attached and refunds of premiums except refunds of reserve premium charges, made to such insureds by the companies shall be transacted through the duly appointed broker of record of the first Named Insured designated in the Certificate.

This is to certify that this is a true copy of the original endorsement having the endorsement number and being made part of the Certificate of Insurance bearing the number designated hereon for insurance coverage under the Nuclear Energy Liability Policy (Facility Workers Form). No fresurance is afforded percurider.

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

| Effe | ctiv | e D | ate | of |
|------|------|------|-----|------|
| this | Enc | fors | em | ent: |

January 1, 1998
12:01 A.M. Standard Time

To form a part of Certificate No. NW -0614

Issued to:

Tennessee Valley Authority

Date of Issue:

December 15, 1997

For the subscribing companies

PRESIDENT

Endorsement No:

2

and a control of the control of the

DESCRIPTION OF THE FACILITY ENDORSEMENT

It is agreed that Item 3 of the Declarations, "Description of the Facility," is as follows:

Location:

All of the premises including the land and all buildings and structures of Tennessee Valley Authority's Sequoyah Nuclear Plant and its Training Center shown as being within the yellow outline on a reduced copy of Tennessee Valley Authority's drawing number 45-C-10N200-01 dated March 25, 1987, a copy of which is attached hereto and made a part hereof. Sequoyah Nuclear Plant is located on the west shore of Chickamauga Lake approximately 9.5 miles northeast of Chattanooga, Hamilton County, Tennessee.

This is to certify that this is a true copy of the original endorsement having the endorsement number and being made part of the Certificate of Insurance bearing the number designated hereon for insurance coverage under the Nuclear Energy Diability Policy (Facility Morkers Form). No insurance is afforded hereunder.

John L. Quettrocchi, Senior Vice President-Underwriting American Nuclear Insurers

| Effe | ctive | Da | te | of |
|------|-------|-----|----|------|
| this | Endo | rse | m | ent: |

January 1, 1998
12:01 A.M. Standard Time

To form a part of Certificate No. NW -0614

Issued to:

Tennessee Valley Authority

Date of Issue:

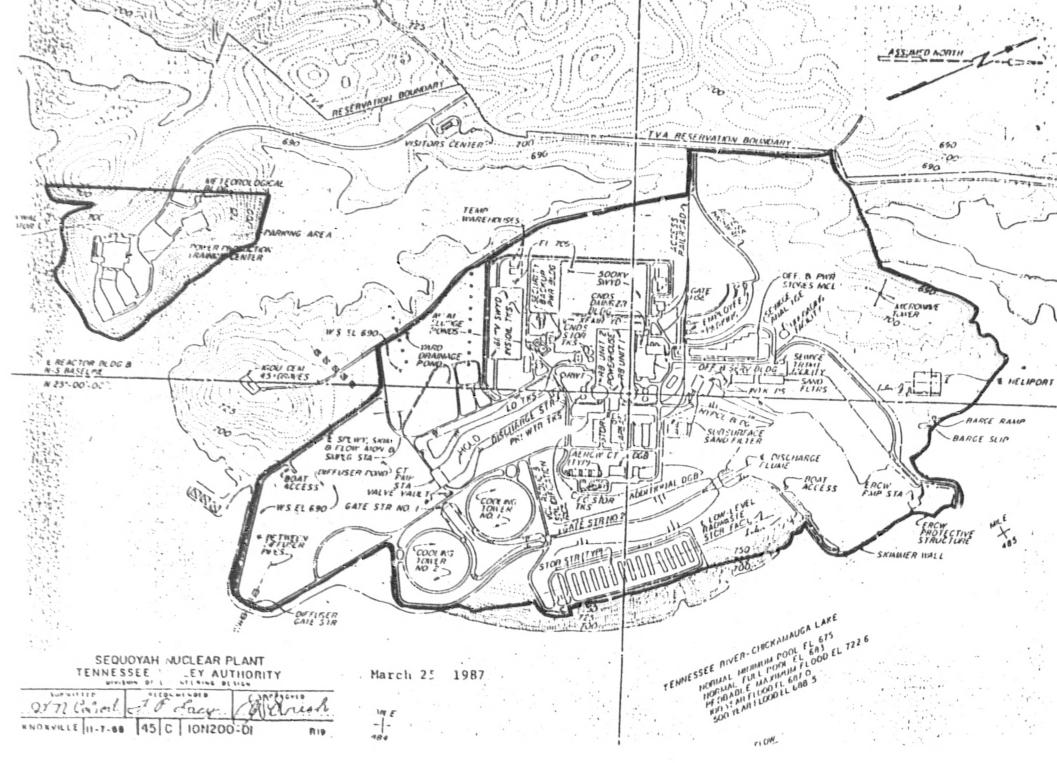
December 15, 1997

For the subscribing companies

PRESIDENT

Countersigned by

Endorsement No:



NUCLEAR ENERGY LIABILITY POLICY (Facility Worker Form)

herein called the MASTER WORKER POLICY

CERTIFICATE OF INSURANCE

Certificate No. NW - 0614

Date of Issue December 15, 19 97

This is to certify that the insureds named in Item 1 of the Declarations hereof, hereinafter called the "Named Insureds", have obtained insurance under the Master Worker Policy issued by Nuclear Energy Liability Insurance Association on behalf of its members. The insurance is subject to all of the provisions of this "Certificate" and the Master Worker Policy.

1 DECLARATIONS

Item 1. Named Insureds and Addresses:

Tennessee Valley Authority 1101 Market Street Mail Stop BR3H Chattanooga, TN 37402

Item 2. Certificate Coverage Period:

Beginning at 12:01 a.m. on January 1, 1998, Eastern Standard Time and continuing through the effective date of cancellation or termination of this Certificate.

Item 3. Description of the Facility:

Location

See Endorsement No. 1

Type: Power Reactor

Operator of the Facility:

Tennessee Valley Authority

Facility Form Inception Date: March 11, 1977 (12:01 A.M. Standard Time)

Item. 4. Amount of Insurance Available:

The stand of insurance afforded by the Master Worker Policy through this Ceranicate shall be determined by Section VIII of the Master Worker Policy and all of the other provisions of the policy relating thereto.

Item 5. Advance Premium: \$46,200.

2 APPLICATION OF CERTIFICATE

This Certificate applies only to bodily injury to a worker which (1) is caused by the nuclear energy hazard on or after the Facility Form Inception Date stated in Item 3 above, (2) is first reported to the companies on or after 12:01 a.m. on January 1, 1998, Eastern Standard Time and (3) is discovered and for which written claim is made against the insured, not later than one year after the end of the Certificate Coverage Period.

IN WITNESS WHEREOF, the companies subscribing the Master Worker Policy have caused this Certificate to be executed and attested on their behalf by the President of Nuclear Energy Liability Insurance Association and duly countersigned by an authorized representative.

For the Subscribing Companies of NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

| George D. Turner, Presid | | |
|--------------------------|-----------------------------|--|
| Ву | Jenje D. Twn | |
| Counte.signed by: | 1. = 2 | |
| | (Authorized Penracentative) | |

(Authorized Representative)

This is to certify that this is a true copy of the original Certificate bearing the number designated hereon, for insurance coverage under the Nuclear Energy Liability Policy (Facility Workers Form) herein-called the Master Worker Policy. No insurance is afforded by this copy.

John L. Quettrocchi, Senior Vide Praident-Underwriting

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1997

It is agreed that Items 1 and 2 of Endorsement No. 76 are amended to read:

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$338,506.00
- 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: \$253,757.00

ADDITIONAL PREMIUM: \$3,839.00

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 gas-

John L. Qualingthis, Sonier Vise President-Gasturasing American Musical Incomes

Effective Date of

this Endorsement:

January 1, 1997

(12:01 A.M. Standard Time)

To form a part of Policy . NF -0256

Issued to: Tennessee Valley Authority

Date of Issue:

April 28, 1998

for the subscribing companies

Endorsement No: 83 Count

NE-36

CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT **CALENDAR YEAR 1998**

- It is agreed that with respect to bodily injury, property damage, environmental damage or evacuation of the 1. public caused, during the effective period of this endorsement, by the nuclear energy hazard:
 - a. The word "companies" wherever used in the policy means the subscribing companies listed below.
 - b. The policy shall be binding on such companies only.
 - c. Each such company shall be liable for its proportion of any obligation assumed or expense incurred under the policy because of such bodily injury, property damage, environmental damage or evacuation of the public as designated below.
- 2 It is agreed that the effective period of this endorsement is from the beginning of the effective date of this endorsement stated below to the close of December 31, 1998, or to the time of the termination or cancellation of the policy, if sooner.

| | | <u></u> |
|--|--------------|--|
| American Home Assurance Company | 00.744653 % | ā. |
| Cincinnati Insurance Company | 01.271962 % | 3 G |
| Continental Insurance Company | 16.759550 % | Ē ģ |
| Employers Mutual Casualty Company | 00.220520 % | hall being de |
| Federal Insurance Company | 08.820816 % | E 2 8 |
| Fireman's Fund Insurance Company | 01.764163 % | origina and be vrm) as ade |
| General Accident Insurance Company | 02.134637 % | 7. ¥ 3 m 3 |
| General Insurance Company of America | 01.83473^ % | ± g ≥ € b |
| Great American Insurance Company | 00.882082 % | EEE A |
| Greenwich Insurance Company | 03.327561 % | # E 2 3 4 |
| Hartford Fire Insurance Company | 14.113306 % | 0 × 0 × |
| Maryland Casualty Company | 02.999077 % | e E E E |
| Motors Insurance Corporation | 00.441041 % | E & C (0) |
| Royal Insurance Company of America | 02.408083 % | 8 5 5 8 |
| St. Paul Fire and Marine Insurance Company | 07.088937 % | Pre- |
| State Farm Fire and Casualty Company | 00.882082 % | the the sea |
| Sumitomo Marine and Fire Insurance Company | 00.352833 % | o o o o |
| TIG Insurance Company | 00.882082 % | |
| Tokio Marine and Fire Insurance Company, LTD | 00.529249 % | E E LINI E E |
| Travelers Indemnity Company of Connecticut | 20.162621 % | Per Tee |
| Universal Underwriters Insurance Company | 00.194058 % | luc luc herry herry |
| U.S. Fidelity and Guaranty Company | 10.584979 % | S & S |
| Zurich Insurance Company | 01.600978 % | This this half with the same of the same o |
| Total | 100.000000 % | NE-98 = 45 9 35 |
| | | |

Effective Date of this Endorsement

January 1, 1998 12:01 A.M. Standard Time

To form a part of Policy No.

NF-0256

Issued to Tennessee Valley Authority

Date of Issue

March 20, 1998

Endorsement No.

NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$349.818.00
- 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: \$261,886.00

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 hareon. Na Thursance is afforded hereunder.

John L. Qualitacetti. Senior Vice President Chicarbetting American Buckets Incurace

Effective Date of

this Endorsement: January 1, 1998

(12:01 A.M. Standard Time)

To form a part of Policy No. NF -0256

Issued to: Tennessee Valley Authority

Date f Issue:

Endorsement No:

November 24, 1997

For the subscribing companies

President

Countered and hu

AMENDMENT OF CONDITION 4

It is agreed that with respect to bodily injury, property damage, environmental damage or evacuation of the public caused after the effective date of this endorsement by the nuclear energy hazard, the figure "\$183,480,000" stated in Condition 4 of this policy is amended to read "\$200,000,000".

This is to certify that this is a true copy of the original Endorsement having the endorsement number and being made paid of the Nuclear Energy Liability Policy (Facility Form) as definitional true and the second second

John L. Guattrocon, Senior Vice President-Underwriting American Nuclear Insurers

Effective Date of this Endorsement:

January 1, 1998

(12:01 A.M. Standard Time)

To form a part of Policy No.

NF-0256

Issued to:

Tennessee Valley Authority

Date of Issue:

December 15, 1997

For the subsembing companies

// Dragida

Countersigned by

Endorsement No:

INCREASE OF LIMIT OF LIABILITY ENDORSEMENT

(After Prior Increase)

It is agreed that:

- 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 \$200,000,000, 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.
- The increase in the limit of liability provided by this endorsement applies only with respect to 2 obligations assumed or expenses incurred because of bodily injury, property damage, environmental damage or evacuation of the public caused, during the period from the effective date of this endorsement to the date of termination of the policy, by the nuclear energy hazard
- The original limit of liability stated in Item 4 of the declarations, the limit(s) of liability stated in the 3. Increase of Limit of Liability Endorsement(s) listed below and the amended limit of liability stated in paragraph I 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, property damage, environmental damage or evacuation of the public out of which such loss or expense arises.

Previous Increase of Limit of Liability Endorsement(s) Endorsement No.(s): 68 and 74

> This is to certify that this is a true copy of the original issequent having the endorsement number and being made part lear Engage Liability Policy (Facility Form) as dge

Effective Date of this Endorsement:

January 1, 1998 (12:01 A.M. Standaud Time)

To form a part of Policy No.

NF -0256

Issued to:

Tennessee Valley Authority

Date of Issue:

December 15, 1997

Endorsement No:

NUCLEAR ENERGY LIABILITY INSURANCE MUTUAL ATOMIC ENERGY LIABILITY UNDERWRITERS

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1997

It is agreed that Items I and 2 of Endorsement No. 17 are amended to read:

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$30,478.00
- 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: \$22,847.00

ADDITIONAL PREMIUM: \$346.00

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 pro-

John L. Quittermens, Senior Visa President-Undersortting

Effective Date of

this Endorsement: January 1, 1997

(12:01 A.M. Standard Time)

To form a part of Policy No. MF -0134

Issued to: Tennessee Valley Authority

Date of Issue:

Endorsement No:

April 28. 1998

For the subscooping companies

Countersioned

ME-36

NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

ANNUAL PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

1. ANNUAL PREMIJM: It is agreed that the Advance Premium due the companies for the period designated above is: \$7,500.00

THIS IS TO CENTIFY 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 AND INSURANCE IS AFEORDED BY THIS COPY.

JOHN L QUATTROCCHI
SENIOR VICE PRESIDENT-UNDERWRITING
AMERICAN NUCLEAR INSURERS

Effective Date of

this Endorsement: January 1, 1998

(12:01 A.M. Standard Time)

To form a part of Certificate No. N -0080

Issued to: Tennessee Valley Authority

Date of Issue:

August 5, 1997

For the subscribing companies

11.60

Countersigned by

Endorsement No: 12

ENDORSEMENT TO CERTIFICATE NO N -0080

Forming Part of Master Policy No. 1 Nuclear Energy Liability Insurance (Secondary Financial Protection)

It is agreed that effective January 1. 38:

- I.) Item 4. (a) 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 Policy:

Nuclear Energy Liability Insurance Association's Policy NF-0256 \$200,000,000

(2) Master Worker Policy (Facility Worker Form):

> Nuclear Energy Liability Insurance Association's Master Worker Policy NMWP-2 \$200,000,000

- II.) Item 7, of the certificate is amended to read as follows:
 - Item 7 Maximum retrospective premium (exclusive of allowance for premium taxes) payable pursuant to Condition 2 of the Master Policy with respect to each nuclear incident: \$79,275,000. THIS IS TO CERTIFY THAT THIS IS A TRUE COPY OF THE ORIGINAL

C'RTIFICATE, 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.

JOHN È DUATTROCCHI

SENIOR VICE PRESIDENT-UNDERWRITING AMERICAN NUCLEAR INSURERS

Effective Date of this Endorsement:

January 1, 1998

(12:01 A.M. Standard Time)

To form a part of Certificate No.

N -0080

Issued to:

Tennessee Valley Authority

Date of Issue:

December 15, 1997

For the subscribing companies

Endorsement No:

11

Counters aned by

NE-S-22 (1/1/98)

NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1998

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$26,565.00
- 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: \$19.924.00

This is to certify that this is a true copy of the original endorsement having the endorsement number and being made part of the Certificate of Insurance bearing the number designated hereon for insurance coverage under the Nuclear Energy Liability Policy (Facility Workers Form). No insurance is afforded hereon for insurance in the insurance i

John L. Charffocchi, Sehior Vice President-Underwriting American Nuclear Insurers

Effective Date of

this Endorsement: January 1, 1998

(12:01 A.M. Standard Time)

To form a part of Certificate No. NW -0618

1 Detalling

Issued to: Tennessee Valley Authority

Date of Issue: December 4. 1997

for the subscribing companies

resident

Countersigned

NE-36

Endorsement No:

AMENDATORY ENDORSEMENT

It is agreed that payments of premiums except payments of reserve premium charges made to the companies by the Named Insureds designated in the Certificate to which this endorsement is attached and refunds of premiums except refunds of reserve premium charges, made to such insureds by the companies shall be transacted through the duly appointed broker of record of the first Named Insured designated in the Certificate.

This is to certify that this is a true copy of the original endorsement having the endorsement number and being made part of the Certificate of Insurance bearing the number designated hereon for insurance coverage under the Nuclear Energy Liability Policy (Facility Workers Form). No insurance is afforded hereundar.

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

Effective Date of

this Endorsement:

January 1, 1998

12:01 A.M. Standard Time

To form a part of Certificate No. NW -0618

Issued to:

Tennessee Valley Authority

Date of Issue:

December 15, 1997

For the subscribing companies

PRESIDENT

Countersigned by

Endorsement No:

NUCLEAR ENERGY LIABILITY POLICY (Facility Worker Form)

herein called the MASTER WORKER POLICY

CERTIFICATE OF INSURANCE

Certificate No. NW - 0618

Date of Issue December 15, 19, 97

This is to certify that the insureds named in Item 1 of the Declaration. eof, hereinafter called the "Named Insureds", have obtained insurance under the Master Worker Policy issued by Nuclear Energy Liability Insurance Association on behalf of its members. The insurance is subject to all of the provisions of this "Certificate" and the Master Worker Policy.

l DECLARATIONS

Item 1. Named Insureds and Addresses:

Tennessee Valley Authority 1101 Market Street Mail Stop BR3H Chattanooga, TN 37402

Item 2. Certificate Coverage Period:

Beginning at 12:01 a.m. on January 1, 1998, Eastern Standard Time and continuing through the effective date of cancellation or termination of this Certificate.

Item 3. Description of the Facility:

Location:

All of the premises including the land and all buildings and structures of Tennessee Valley Authority's Watts Bar Nuclear Plant located on a tract of approximately 1700 acres in Rhea County, Tennessee. The plant site is approximately 50 miles northeast of Chattanooga on the west bank of the Tennessee River at river mile 528. Also located on the 1700 acre reservation are the Watts Bar Dam and Hydro-electric Plant, the Watts Bar Steam Plant, and the TVA Central Maintenance Facility.

Type: Power Reactor (Fuel Storage)

Operator of the Facility:

Tennessee Valley Authority

Facility Form Inception Date: September 4, 1979 (12:01 A.M. Standard Time)

Item 4. Amount of Insurance Available:

The amount of insurance afforded by the Master Worker Policy through this Certificate shall be determined by Section VIII of the Master Worker Policy and all of the other provisions of the policy relating thereto.

Item 5. Advance Premium: \$ 23,100.

2 APPLICATION OF CERTIFICATE

This Certificate applies only to bodily injury to a worker which (1) is caused by the nuclear energy hazard on or after the Facility Form Inception Date stated in Item 3 above, (2) is first reported to the companies on or after 12:01 a.m. on January 1, 1998, Eastern Standard Time and (3) is discovered and for which written claim is made against the insured, not later than one year after the end of the Certificate Coverage Period.

IN WITNESS WHEREOF, the companies subscribing the Master Worker Policy have caused this Certificate to be executed and attested on their behalf by the President of Nuclear Energy Liability Insurance Association and duly countersigned by an authorized resentative.

For the Subscribing Companies of NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

| George D. Turner, President | | |
|-----------------------------|-----------------------------|--|
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| | | |
| Countersigned by: | (Authorized Representative) | |

This is to certify that this is a true copy of the original Certificate bearing the number designated hereon, for insurance coverage under the Nuclear Energy Liability Policy (Facility Workers Form) herein called the Master Worker Policy. No insurance is afforded by this copy.

John L. Guattrocchi, Senior Vice President-Underwriting American Nuclear insurers