



Memorial Institute  
505 King Avenue  
Columbus, Ohio 43201-2693  
Telephone (614) 424-6424  
Telex 24-5454

December 20, 1984

Mr. Ira Dinitz  
Insurance Indemnity Analyst  
Licensee Relations Section  
Office of State Programs  
Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Dinitz:

Docket Nos. 50-360  
Agreement No. B-58

Enclosed are two copies each of Endorsements Nos. 42 and 58 thru 79 to ANI Policy NF-150 as you requested in your letter of November 28, 1984 to Dr. D. E. Olesen. Future correspondence on this subject should be addressed to Dr. W. R. Wiley, Director, Pacific Northwest Division.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Don H. Stall".

Don H. Stall  
Corporate Risk Manager

DHS:je

Enclosures

8412270272 841220  
PDR ADOCK 05000360  
J PDR

Mool  
11

NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

- 1) ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT
- 2) CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT

Calendar Year 1974

- 1a. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$ 24,486.36
- b. 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: \$ 17,130.18
- 2. It is agreed that with respect to bodily injury or property damage 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 on the reverse side of this endorsement.
  - b. The policy shall be binding on such companies only.
  - c. Each such company shall be liable only for its proportion of any obligation assumed or expense incurred under the policy because of such bodily injury or property damage as designated on the reverse side of this endorsement.
- 3. It is agreed that the effective period of this endorsement is to the close of December 31st of the Calendar Year designated in the caption above, or to the time of the termination or cancelation of the policy, if sooner.

(over)

Effective Date of this Endorsement January 1, 1974 To form a part of Policy No. NF-150

12:01 A.M. Standard Time

Issued to Battelle Memorial Institute-Northwest

Date of Issue November 1, 1973

For the Subscribing Companies

By Joseph Marone General Manager

Countersigned by Brian D. King

Endorsement No. 42

NE-35 (1/1/74)

PREMIUM COMPUTATION FOR 19 74

POLICY NO. NF-150

NAMED INSURED: Battelle Memorial Institute

DATE PREPARED: 12/4/73

LIMIT OF LIABILITY: \$ 20,000,000 MILLION

PREPARED BY: C. R. Bardes

Fuel Fabrication (Up to 10KgU235, 10 Kg Pu)  
Misc. Activities  
PRCF

Activity	Annual Pre.
Fuel Fabrication	\$13,811.36 (a)
Misc. Act.	6,100.00 (b)
PRCF	4,575.00 (c)

Total 1974 Adv. Prem. \$24,486.36

(a) Fuel Fabrication

Limit	Rate/\$million of Limit	PREM @
First \$1,000,000	\$5,115.30	\$5,115.30
Next 1,000,000	2,557.65	2,557.65
Next 3,000,000	1,023.06	3,069.18
Next 5,000,000	511.53	2,557.65
Next 10,000,000	255.77	<u>2,557.70</u>
		\$13,811.36

(b) Misc. Activities

Limit	Rate/Million	Prem.@Limit	Share Lim. Misc.	Adv. Prem.
First 1,000,000	1,500	1,500	.9	1,350.00
Next 4,000,000	.75	3,000	.75	2,250.00
Next 5,000,000	500	2,500	.50	1,250.00
Next 10,000,000	500	5,000	.25	<u>1,250.00</u>
				6,100.00

(c) PRCF

Limit	rate/Million	Prem.@Limit	SLD	GID	Adv. Prem.
First \$1,000,000	4,000	4,000	.9	1.	3600.00
Next 4,000,000	2,000	8,000	.75	.1	600.00
next 5,000,000	1,000	5,000	.50	.1	250.00
Next 10,000,000	500	5,000	.25	.1	<u>125.00</u>
					\$4575.00

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

- 1) ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT
- 2) CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT

REC'D JAN 5 1978

Calendar Year 1978

- 1a. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is: \$ 14,474.50
- b. 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: \$ 9,921.63
2. It is agreed that with respect to bodily injury or property damage 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 on the reverse side of this endorsement.
  - b. The policy shall be binding on such companies only.
  - c. Each such company shall be liable only for its proportion of any obligation assumed or expense incurred under the policy because of such bodily injury or property damage as designated on the reverse side of this endorsement.
3. 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 31st of the Calendar Year designated in the caption above, or to the time of the termination or cancellation of the policy, if sooner.

(Over)

Effective Date of this Endorsement January 1, 1978 To form a part of Policy No NF-150  
Issued to Battelle Memorial Institute - Northwest 12:01 A.M. Standard Time  
Date of Issue December 20, 1977 For the subscribing companies  
By [Signature] General Manager  
Endorsement No #58 57 *see end #59* Countersigned by [Signature]



SUBSCRIBING COMPANIESPROPORTION OF 100%

Aetna Casualty and Surety Co., The, 151 Farmington Ave., Hartford, CT 06156	11.581926
Aetna Insurance Company, 55 Elm St., Hartford, CT 06115	2.481841
Allstate Insurance Co., 8324 Skokie Blvd., Skokie, IL 60076	4.963682
American Home Assurance Co., 102 Maiden La., New York, NY 10005	.703188
American Motorists Insurance Co., Long Grove, IL 60049	.413640
Bituminous Casualty Corporation, 32 18th St., Rock Island, IL 61201	.397095
Centennial Insurance Co., 45 Wall St., New York, NY 10005	.413640
Commercial Union Insurance Co., One Beacon St., Boston, MA 02108	3.640034
Connecticut Indemnity Company, The, 1000 Asylum Ave., Hartford, CT 06101	1.116829
Continental Casualty Co., CNA Plaza, Chicago, IL 60685	4.301858
Continental Insurance Co., The, 80 Maiden La., New York, NY 10038	6.618243
Federal Insurance Co., 51 John F. Kennedy Pkwy., Short Hills, NJ 07078	1.323649
Fireman's Fund Insurance Co., 3333 California St., San Francisco, CA 94119	4.550042
General Accident Fire and Life Assurance Corp., Ltd., 414 Walnut St., Philadelphia, PA 19105	1.406377
Great American Insurance Co., 580 Walnut St., Cincinnati, OH 45201	1.389831
Hanover Insurance Co., The, 440 Lincoln St., Worcester, MA 01605	.496368
Hartford Accident and Indemnity Co., Hartford Plaza, Hartford, CT 06115	7.859164
Hartford Steam Boiler Insp. & Ins. Co., The, 56 Prospect St., Hartford, CT 06102	.455004
Home Indemnity Co., The, 59 Maiden La., New York, NY 10038	2.895481
Insurance Co. of North America, 1600 Arch Street, Philadelphia, PA 19101	3.309122
Monarch Insurance Co. of Ohio, The, 19 Rector St., New York, NY 10006	.289548
Northern Insurance Company of New York, P.O. Box 1228, Baltimore, MD 21203	1.654561
Northwestern National Ins. Co., 731 No. Jackson St., Milwaukee, WI 53202	.579096
Ohio Casualty Insurance Company, The, 136 North Third St., Hamilton, OH 45025	.165456
Pacific Indemnity Co., 3200 Wilshire Blvd., Los Angeles, CA 90054	.330912
Peerless Insurance Co., 62 Maple Ave., Keene, NH 03431	.103411
Phoenix Assurance Co. of New York, 80 Maiden La., New York, NY 10038	.496368
Protective Insurance Co., 3100 No. Meridian St., Indianapolis, IN 46208	.165456
Providence Washington Insurance Co., 20 Washington Place, Providence, RI 02903	.103411
Puritan Insurance Company, 1515 Summer St., Stamford, CT 06905	.248184
Reliance Insurance Company, 4 Penn Center Plaza, Philadelphia, PA 19103	1.323649
Royal Globe Insurance Company, 150 William Street, New York, NY 10038	3.722762
St. Paul Fire & Marine Ins. Co., 385 Washington St., St. Paul, MN 55102	4.109929
Seaboard Surety Co., 90 William St., New York, NY 10038	.330912
State Farm Fire & Casualty Company, 112 East Washington St., Bloomington, IL 61701	.827280
Transamerica Insurance Co., 1150 So. Olive St., Los Angeles, CA 90015	.661824
Travelers Indemnity Company, The, One Tower Square, Hartford, CT 06115	11.333741
United States Fidelity and Guaranty Co., P.O. Box 1138, Baltimore, MD 21203	9.430997
United States Fire Insurance Co., Madison Ave. at Canfield Rd, Morristown, NJ 07960	2.978209
Zurich Insurance Co., 111 West Jackson Blvd., Chicago, IL 60604	.827280

NAMED INSURED Battelle Memorial Institute-Northwest

OLICY NO. NF-150 LIMIT OF LIABILITY \$20 MILLION

PREPARED BY John Hoffman DATE PREPARED November 17, 1977

ENDORSEMENT NO. \_\_\_\_\_ NEL-PIA INVOICE NO. \_\_\_\_\_

Fuel Fab: 380 grams U235 and 300 grams Pu

<u>LIMIT</u>	<u>BASE</u>	<u>ANNUAL PREMIUM</u>
First \$ 1 M	\$1,657.50	\$1,657.50
Next \$ 1 M	\$ 828.75	\$ 828.75
Next \$ 3 M	\$ 331.50	\$ 994.50
Next \$ 5 M	\$ 250.00	\$1,250.00
Next \$10 M	\$ 250.00	\$2,500.00
		<u>\$7,230.75</u>

SUMMARY

Fuel Fab	:	\$7,230.75	(a)	Includes sharing of limits discount —
Miscellaneous Activities	:	\$6,100.00	(b)	Includes sharing of limits and
PRCF	:	\$1,143.75		government indemnity discounts and
		<u>\$14,474.50</u>		75% shutdown credit

COMMISSION

\$10,000.00	X	10%	=	\$1,000.00
\$ 4,474.50	X	5%	=	\$ 223.73
				<u>\$1,223.73</u>

RESERVE PREMIUM

Standard Premium	\$14,474.50
Less Commission	- 1,223.73
	<u>\$13,250.77</u>
Less 23% of S.P.	- 3,329.14
Reserve Premium	<u>\$ 9,921.63</u>

	<u>GROSS</u>	<u>COMMISSION</u>	<u>NET</u>
1978 Original Premium	\$14,474.50	\$1,223.73	\$13,250.77

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

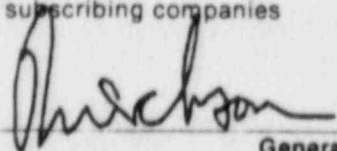
AMENDATORY ENDORSEMENT

It is agreed that Endorsement No. 57, "1.) Advance Premium and Standard Premium Endorsement, 2.) Changes in Subscribing Companies and in their Proportionate Liability Endorsement," is renumbered No. 58.

Effective Date of this Endorsement January 1, 1978 To form a part of Policy No. NF-150

Issued to Battelle Memorial Institute - Northwest  
12:01 A.M. Standard Time

Date of Issue January 25, 1978

For the subscribing companies  
By   
General Manager

Endorsement No 59

Countersigned by \_\_\_\_\_

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

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1977

It is agreed that Items 1a. and 1b. of Endorsement No. 55  
are amended to read:

1a. ADVANCE PREMIUM: It is agreed that the Advance  
Premium due the companies for the period designated above  
is: \$ 10,143.75.

1b. 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: \$ 6,803.50.

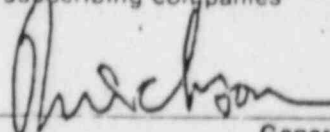
Return Premium: \$5,026.90

Effective Date of this Endorsement January 1, 1977 To form a part of Policy No. NF-150

Issued to Battelle Memorial Institute - Northwest  
12:01 A.M. Standard Time

Date of Issue March 7, 1978

For the subscribing companies

By   
General Manager

Endorsement No. 60  
NE-36

Countersigned by \_\_\_\_\_



PREMIUM COMPUTATION FOR 19 77 REVISION   
 ORIGINAL

NAMED INSURED Battelle Memorial Institute - Northwest

POLICY NO. NF-150 LIMIT OF LIABILITY \$20 MILLION

PREPARED BY John Hoffman DATE PREPARED 3/7/78

ENDORSEMENT NO. 60 NEL-PIA INVOICE NO. 6125

Laboratory: Minimal Inventory

Limit	Base	Annual Premium
First 1 M	500	2,500
Next 1 M	1,250	1,250
Next 3 M	500	1,500
Next 5 M	250	1,250
Next 10 M	250	2,500
		<u>9,000</u>

Summary  
 Lab: 9,000.00  
 PRCF: 1,143.75  
10,143.75

Commission  
 10,000 x 10% = 1,000.00  
 143.75 x 5% = 7.19  
1,007.19

Reserve Premium  
 Standard Premium \$10,143.75  
 Less Commission 1,007.19  
 \$ 9,136.56  
 Less 23% of S.P. 2,333.06  
 Reserve Premium \$6,803.50

	Gross	Commission	Net
Previous	\$15,170.65	\$1,258.53	\$13,912.12
Revised	10,143.75	1,007.19	9,136.56
Return	<u>\$ 5,026.90</u>	<u>\$ 251.34</u>	<u>\$ 4,775.56</u>

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

- 1) ADVANCE PREMIUM AND STANDARD PREMIUM CALENDAR YEAR 1979  
ENDORSEMENT
- 2) AMENDMENT OF CONDITION 4 ENDORSEMENT

1a. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is:  
\$ 9915.00

b. 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:  
\$ 6643.05

2. AMENDMENT OF CONDITION 4: It is agreed that with respect to bodily injury or property damage caused after the effective date of this endorsement by the nuclear energy hazard, the figure \$108,500,000 stated in Condition 4 of this policy is amended to read \$124,000,000.

Effective Date of this Endorsement January 1, 1979 To form a part of Policy No NF-150  
12:01 A.M. Standard Time

Issued to Battelle Memorial Institute-Northwest

Date of Issue January 3, 1979

For the subscribing companies

By *[Signature]*  
General Manager

Endorsement No 61

Countersigned by *[Signature]*

REC'D OCT 9 1979

Nuclear Energy Liability Insurance  
NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

COPY

CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT  
Calendar Year 1979

1. It is agreed that with respect to bodily injury or property damage 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 only for its proportion of any obligation assumed or expense incurred under the policy because of such bodily injury or property damage 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, 1979, or to the time of the termination or cancellation of the policy, if sooner.

SUBSCRIBING COMPANIES	PROPORTION OF 100%
Aetna Casualty and Surety Co., The, 151 Farmington Ave., Hartford, CT 06156	10.114078
Aetna Insurance Company, 55 Elm St., Hartford, CT 06115	2.528520
Allstate Insurance Co., Allstate Plaza, Northbrook, IL 60062	4.214199
American Home Assurance Co., 102 Maiden La., New York, NY 10005	.884982
American Motorists Insurance Co., Long Grove, IL 60049	.421420
Bituminous Casualty Corporation, 320 18th St., Rock Island, IL 61201	.421420
Centennial Insurance Co., 45 Wall St., New York, NY 10005	.579452
Commercial Union Insurance Co., One Beacon St., Boston, MA 02108	3.034224
Connecticut Indemnity Company, The, 1000 Asylum Ave., Hartford, CT 06101	1.011408
Continental Casualty Co., CNA Plaza, Chicago, IL 60685	4.214199
Continental Insurance Co., The, 80 Maiden La., New York, NY 10038	6.742719
Federal Insurance Co., 51 John F. Kennedy Pkwy., Short Hills, NJ 07078	1.517112
Fireman's Fund Insurance Co., 3333 California St., San Francisco, CA 94119	5.057039
General Accident Fire and Life Assurance Corp., Ltd., Fourth & Walnut Sts., Philadelphia, PA 19105	1.348544
Great American Insurance Co., 580 Walnut St., Cincinnati, OH 45201	1.348544
Hanover Insurance Co., The, 440 Lincoln St., Worcester, MA 01605	.505704
Hartford Accident and Indemnity Co., Hartford Plaza, Hartford, CT 06115	7.164139
Hartford Steam Boiler Insp. & Ins. Co., The, 56 Prospect St., Hartford, CT 06102	.505704
Home Indemnity Co., The, 59 Maiden La., New York, NY 10038	3.708495
Insurance Co. of North America, 1600 Arch Street, Philadelphia, PA 19101	3.371359
Monarch Insurance Co. of Ohio, The, 19 Rector St., New York, NY 10006	.337136
Northern Insurance Company of New York, 59 John Street, New York, NY 10038	1.854245
Northwestern National Ins. Co., 731 No. Jackson St., Milwaukee, WI 53201	.674272
Ohio Casualty Insurance Company, The, 136 North Third St., Hamilton, OH 45025	.168568
Pacific Indemnity Co., 3200 Wilshire Blvd., Los Angeles, CA 90010	.337136
Peerless Insurance Co., 62 Maple Ave., Keene, NH 03431	.126420
Phoenix Assurance Co. of New York, 80 Maiden La., New York, NY 10038	.505704
Protective Insurance Co., 3100 No. Meridian St., Indianapolis, IN 46208	.168568
Providence Washington Insurance Co., 20 Washington Place, Providence, RI 02903	.105355
Puritan Insurance Company, 1515 Summer St., Stamford, CT 06905	.252852
Reliance Insurance Company, 4 Penn Center Plaza, Philadelphia, PA 19103	1.491827
Royal Globe Insurance Company, 150 William Street, New York, NY 10038	3.371359
St. Paul Fire & Marine Ins. Co., 385 Washington St., St. Paul, MN 55102	4.773845
Seaboard Surety Co., 90 William St., New York, NY 10038	.421420
State Farm Fire & Casualty Company, 112 East Washington St., Bloomington, IL 61701	.842840
Transamerica Insurance Co., 1150 So. Olive St., Los Angeles, CA 90015	.842840
Travelers Indemnity Company, The, One Tower Square, Hartford, CT 06115	10.56917
United States Fidelity and Guaranty Co., 100 Light Street, Baltimore, MD 21202	10.114078
United States Fire Insurance Co., Madison Ave., at Canfield Rd, Morristown, NJ 07960	2.697088
Zurich Insurance Co., 111 West Jackson Blvd., Chicago, IL 60604	1.264260

NE-79

Effective Date of this Endorsement January 1, 1979 To form a part of Policy No MF-150  
12:01 A.M. Standard Time

Issued to Battelle Memorial Institute-Northwest

Date of Issue January 20, 1979

For the subscribing companies *AC: P.F. ... H.H. Nelson*  
28 10/19/79

GREEN COPY

BROKER/AGENT

By *[Signature]* General Manager

Endorsement No 62

Countersigned by *[Signature]*

COPY

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

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1978

It is agreed that Items 1a. and 1b. of Endorsement No. 58  
are amended to read:

1a. ADVANCE PREMIUM: It is agreed that the Advance  
Premium due the companies for the period designated above  
is: \$ 9,915.00.

1b. 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: \$ 6,643.05.

Return Premium: \$ 4,559.50.

*xc. NH Notice  
KBE 9/2/79*

Effective Date of this Endorsement January 1, 1978 To form a part of Policy No. NF-150

Issued to Battelle Memorial Institute-Northwest


Date of Issue June 25, 1979

For the subscribing companies

By *[Signature]*  
General Manager

Endorsement No. 63  
NE-36

Countersigned by *[Signature]*

PREMIUM COMPUTATION FOR 19<sup>78</sup> REVISION ORIGINAL 

NAMED INSURED Battelle Memorial Institute - Northwest

POLICY NO. NF-150 LIMIT OF LIABILITY \$20 MILLION

PREPARED BY J. Hoffman DATE PREPARED 5/8/79

ENDORSEMENT NO. 63 NEL-PIA INVOICE NO. 6566

<u>Status</u>	<u>Base Premium</u>	<u>Annual Premium</u>
Laboratory (Minimal Inventory)	\$2,500	\$9,000.00
PRCF (Shutdown)	4,000	915.00*
		<u>\$9,915.00</u>

\* Includes sharing of limits and government indemnity discounts, and 80% shutdown credit

Commission

\$9,915 x 10% = \$991.50

Reserve Premium

Standard Premium	\$9,915.00
Less Commission	991.50
	<u>8,923.50</u>
Less 23% of S.P.	2,280.45
Reserve Premium	<u>\$6,643.05</u>

	<u>Gross</u>	<u>Commission</u>	<u>Net</u>
Previous	\$14,474.50	\$1,223.73	\$13,250.77
Revision	9,915.00	991.50	8,923.50
Return Premium	<u>\$ 4,559.50</u>	<u>\$ 232.23</u>	<u>\$ 4,327.27</u>

*xc: NM Nelson  
KBS 9/21/79*

<input checked="" type="checkbox"/>	AGENTS OR BROKERS COPY
<input type="checkbox"/>	SUBMITTING COMPANY COPY
<input type="checkbox"/>	MAELU COPY



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

RECD APR 01 1980

ADVANCE PREMIUM AND STANDARD PREMIUM CALENDAR YEAR 1980  
ENDORSEMENT

1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is:

\$ 9,915.00

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:

\$ 6,643.05

Effective Date of this Endorsement January 1, 1980 To form a part of Policy No NF-150

Issued to Battelle Memorial Institute - Northwest  
12:01 A.M. Standard Time

Date of Issue December 20, 1979

For the subscribing companies

By *H. Nelson* General Manager

Endorsement No 64

Countersigned by *W. D. King*

*xc: H. M. Nelson  
KB 4/2/80*

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

CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT  
Calendar Year 1980

1. It is agreed that with respect to bodily injury or property damage 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 or property damage 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, 1980, or to the time of of the termination or cancellation of the policy, if sooner.

SUBSCRIBING COMPANIES

PROPORTION OF 100%

Aetna Casualty and Surety Co., The, 151 Farmington Ave., Hartford, CT 06156	10.067410
Aetna Insurance Company, 55 Elm St., Hartford, CT 06115	2.516852
Affiliated FM Insurance Co., Allendale Park, P.O. Box 7500, Johnston, RI 02919	.251685
Allianz Insurance Company, 6420 Wilshire Blvd., Suite 500, Los Angeles, CA 90048	1.342321
Allstate Insurance Co., Allstate Plaza, Northbrook, IL 60062	4.194754
American Home Assurance Co., 102 Maiden La., New York, NY 10005	.880898
American Motorists Insurance Co., Long Grove, IL 60049	.419475
Bituminous Casualty Corporation, 320 18th St., Rock Island, IL 61201	.419475
Centennial Insurance Co., 45 Wall St., New York, NY 10005	.576779
Commercial Union Insurance Co., One Beacon St., Boston, MA 02108	3.020223
Connecticut Indemnity Company, The, 1000 Asylum Ave., Hartford, CT 06101	.419475
Continental Casualty Co., CNA Plaza, Chicago, IL 60685	4.194754
Continental Insurance Co., The, 80 Maiden La., New York, NY 10038	7.508610
Federal Insurance Co., 51 John F. Kennedy Pkwy., Short Hills, NJ 07078	1.510112
Fireman's Fund Insurance Co., 3333 California St., San Francisco, CA 94119	5.033705
General Accident Fire and Life Assurance Corp., Ltd., Fourth and Walnut Streets, Philadelphia, PA 19105	1.342321
Great American Insurance Co., 580 Walnut St., Cincinnati, OH 45201	1.342321
Hanover Insurance Co., The, 440 Lincoln St., Worcester, MA 01605	.503371
Hartford Accident and Indemnity Co., Hartford Plaza, Hartford, CT 06115	7.131082
Hartford Steam Boiler Insp. & Ins. Co., The, 56 Prospect St., Hartford, CT 06102	.503371
Highlands Insurance Co., 600 Jefferson Street, Houston, TX 77002	.419475
Home Indemnity Co., The, 59 Maiden La., New York, NY 10038	3.691384
Insurance Co. of North America, 1600 Arch Street, Philadelphia, PA 19101	1.677902
Monarch Insurance Co. of Ohio, The, 19 Rector St., New York, NY 10006	.335580
National Casualty Company, 28333 Telegraph Road, Southfield, MI 48034	.335580
Northern Insurance Company of New York, 59 John Street, New York, NY 10038	1.845692
Northwestern National Ins. Co., 731 No. Jackson Street, Milwaukee, WI 53201	.671161
Ohio Casualty Insurance Company, The, 136 North Third Street, Hamilton, OH 45025	.167790
Pacific Indemnity Co., 3200 Wilshire Blvd., Los Angeles, CA 90010	.335580
Pearless Insurance Co., 62 Maple Ave., Keene, NH 03431	.125843
Protective Insurance Co., 3100 No. Meridian St., Indianapolis, IN 46208	.251685
Providence Washington Insurance Co., 20 Washington Place, Providence, RI 02903	.104869
Puritan Insurance Company, 1515 Summer St., Stamford, CT 06905	.251685
Reliance Insurance Company, 4 Penn Center Plaza, Philadelphia, PA 19103	1.484943
Royal Globe Insurance Company, 150 William Street, New York, NY 10038	3.355803
St. Paul Fire & Marine Ins. Co., 385 Washington St., St. Paul, MN 55102	4.751817
Seaboard Surety Co., 9 William St., New York, NY 10038	.419475
State Farm Fire & Casualty Company, 112 East Washington St., Bloomington, IL 61701	.838951
Transamerica Insurance Co., 1150 So. Olive St., Los Angeles, CA 90015	.838951
Travelers Indemnity Company, The, One Tower Square, Hartford, CT 06115	10.906361
United States Fidelity and Guaranty Co., 100 Light Street, Baltimore, MD 21202	10.067410
United States Fire Insurance Co., Madison Ave. at Canfield Rd., Morristown, NJ 07960	2.684643
Zurich Insurance Co., 111 W. Jackson Blvd., Chicago, IL 60604	1.258426

Effective Date of this Endorsement January 1, 1980 To form a part of Policy No NF-150  
12:01 A.M. Standard Time

Issued to Battelle Memorial Institute-Northwest

Date of Issue January 15, 1980

For the subscribing companies

By *[Signature]* General Manager

Endorsement No 65

Countersigned by *[Signature]*

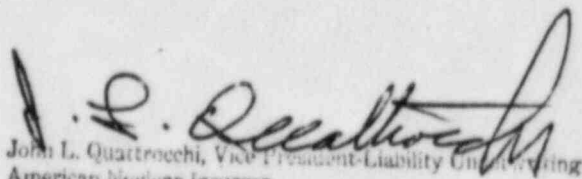
**Nuclear Energy Liability Insurance**  
**NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION**

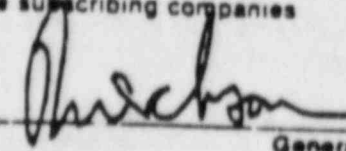
AMENDMENT OF THE LOCATION OF THE FACILITY

It is agreed that in Item 3 of the Declarations the "Location" of the facility as amended by Endorsement Nos. 13, 29 and 41 is further amended to read:

Location: All buildings or other structures located on the Department of Energy's Hanford Works which are occupied in whole or in part by Battelle Memorial Institute, and which are used for the named insured's own account pursuant to DOE Use Permit, Contract No. EY-76-C-06-1831. Except that 1) with respect to Building 306, Building 1706KEL, and Building 185D-189D location shall mean only that portion of such buildings used for the named insured's own account pursuant to the DOE Use Permit, Contract No. EY-76-C-06-1831 and 2) with respect to Building 309 location shall mean that portion of Building 309 outlined with a heavy black line ( ) on the attached copy of the drawing designated "Figure 13. Building Plans at elevation 0'-0" and West Elevation".

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-Liability Underwriting  
American Nuclear Insurers

Effective Date of this Endorsement August 4, 1980 To form a part of Policy No. NF-150  
12:01 A.M. Standard Time  
Issued to Battelle Memorial Institute - Northwest  
Date of Issue May 6, 1981  
For the subscribing companies  
By  General Manager  
Endorsement No. 66 Countersigned by \_\_\_\_\_

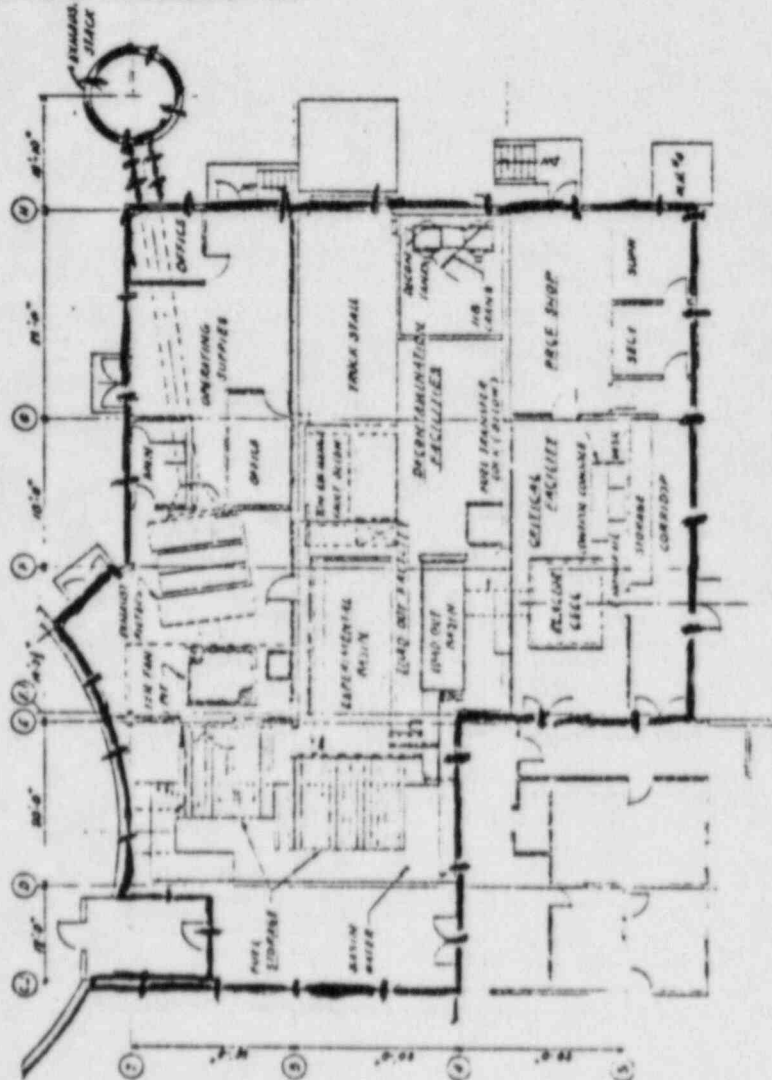
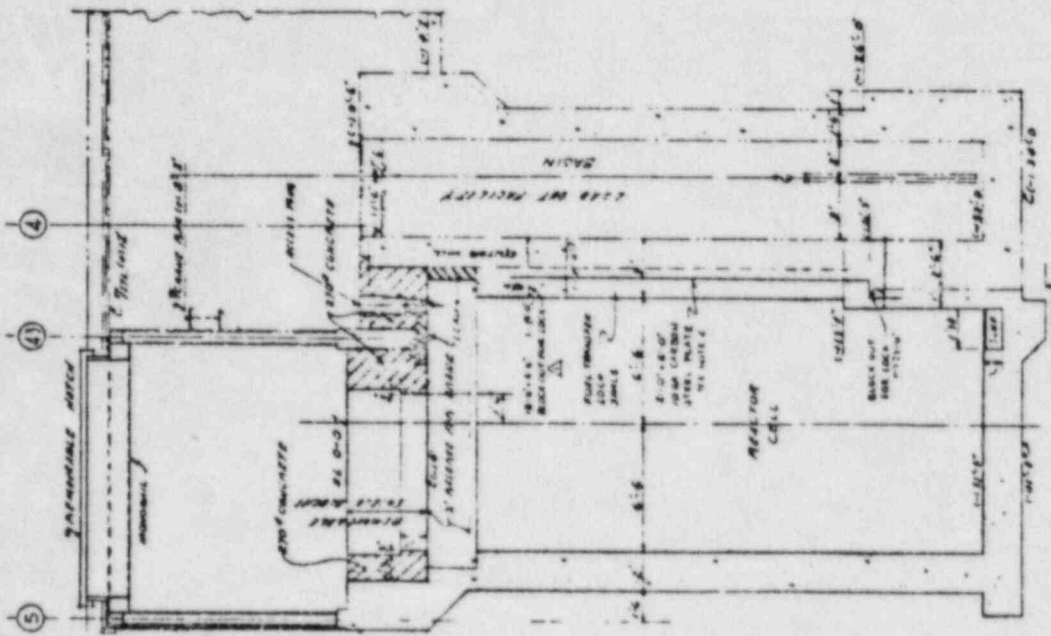


FIGURE 13. BUILDING PLANS AT ELEVATION 0'-0" AND WEST ELEVATION

REC'D JAN 13 1981

Nuclear Energy Liability Insurance  
NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

ADVANCE PREMIUM AND STANDARD PREMIUM CALENDAR YEAR 1981  
ENDORSEMENT

1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is:

\$ 9,915.00

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:

\$ 6,643.05

*XC HH Nelson  
KBB 1/14/81*

Effective Date of this Endorsement January 1, 1981 To form a part of Policy No NF-150

Issued to Battelle Memorial Institute - Northwest

Date of Issue December 22, 1980

For the subscribing companies

By *[Signature]* General Manager

Endorsement No 67

Countersigned by *[Signature]*



PREMIUM COMPUTATION FOR 19 81 REVISION   
 ORIGINAL

NAMED INSURED Battelle Memorial Institute - Northwest  
 POLICY NO. NF-150 LIMIT OF LIABILITY \$20 MILLION  
 PREPARED BY R. Jones DATE PREPARED November 21, 1980  
 ENDORSEMENT NO. 67 NEL-PIA INVOICE NO. A 05074

Miscellaneous Operations  
Annual Premium: \$9,915.00

<u>Status</u>	<u>Base Premium</u>	<u>Annual Premium</u>
Laboratory (Minimal Inventory)	\$2,500.00	\$9,000.00
PRCF (Shutdown)	4,000.00	915.00*
		<u>\$9,915.00</u>

\*Includes sharing of limits and government indemnity discounts, and 80% shutdown credit.

Commission  
 $\$9,915 \times 10\% = \$991.50$

Reserve Premium  
Standard Premium \$9,915.00  
 Less Commission 991.50  
8,923.50  
 Less 23% of S.P. 2,280.45  
Reserve Premium \$6,643.05

	<u>Gross</u>	<u>Commission</u>	<u>Net</u>
1981 Original Premium	\$9,915.00	\$991.50	\$8,923.50

AGENTS OR BROKERS COPY  
 SUBMITTING COMPANY COPY  
 MAELU COPY

2.) The definition of "insured shipment" in Insuring Agreement III, "DEFINITIONS", is replaced by the following:

"insured shipment" means a shipment of source material, special nuclear material, spent fuel, waste, or tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its source material content, herein called "material", (1) to the facility from any location except an indemnified nuclear facility, but only if the transportation of the material is not by predetermination to be interrupted by removal of the material from a transporting conveyance for any purpose other than the continuation of its transportation, or (2) from the facility to any other location, but only until the material is removed from a transporting conveyance for any purpose other than the continuation of its transportation.

*XC. HM Nelson  
KB3 1/14/81*

Effective Date of this Endorsement January 1, 1981 To form a part of Policy No NF-150  
Issued to Battelle Memorial Institute - Northwest 12:01 A.M. Standard Time  
Date of issue December 22, 1980

For the subscribing companies  
By *[Signature]* General Manager

Endorsement No 68  
NE-51 Page 2 of 2 (1/1/81)

Countersigned by *[Signature]*

## Nuclear Energy Liability Insurance NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT  
Calendar Year 1981

1. It is agreed that with respect to bodily injury or property damage 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 or property damage 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, 1981, or to the time of of the termination or cancellation of the policy, if sooner.

SUBSCRIBING COMPANIES

PROPORTION OF 100

Aetna Casualty and Surety Co., The, 151 Farmington Ave., Hartford, CT 06156	9.930569
Aetna Insurance Company, 55 Elm St., Hartford, CT 06115	2.648152
Affiliated FM Insurance Co., Allendale Park, P.O. Box 7500, Johnston, RI 02919	248264
Alliant Insurance Company, 6435 Wilshire Blvd., Los Angeles, CA 90054	1.324076
Allstate Insurance Co., Allstate Plaza South - 01, Northbrook, IL 60062	4.965284
American Home Assurance Co., 102 Maiden La., New York, NY 10005	868925
American Motorists Insurance Co., Long Grove, IL 60049	413774
Bituminous Casualty Corporation, 320-10th St., Rock Island, IL 61201	413774
Centennial Insurance Co., Atlantic Building, 45 Wall St., New York, NY 10005	248264
Commercial Union Insurance Co., One Beacon St., Boston, MA 02108	3.340190
Connecticut Indemnity Company, The, 9 Farm Springs Rd., Farmington, CT 06032	4.137737
Continental Casualty Co., CNA Plaza, Chicago, IL 60685	7.654814
Continental Insurance Co., The, 80 Maiden La., New York, NY 10038	1.489585
Federal Insurance Co., 51 John F. Kennedy Pkwy., Short Hills, NJ 07078	5.296303
Fireman's Fund Insurance Companies, P.O. Box 3395, San Francisco, CA 94119	1.324076
General Accident Fire and Life Assurance Corp., Ltd., 404 Walnut St., Philadelphia, PA 19104	1.324076
Great American Insurance Co., P.O. Box 2575, Cincinnati, OH 54201	496528
Harover Insurance Co., The, 440 Lincoln St., Worcester, MA 01605	7.034153
Hartford Accident and Indemnity Co., Hartford Plaza, Hartford, CT 06115	496528
Hartford Steam Boiler Insp. & Ins. Co., The, 56 Prospect St., Hartford, CT 06102	413774
Highlands Insurance Co., 600 Jefferson St., Houston, TX 77002	3.641209
Home Indemnity Co., The, 59 Maiden La., New York, NY 10038	1.655095
Insurance Co. of North America, P.O. Box 7726, Philadelphia, PA 19101	331019
Monarch Insurance Co. of Ohio, The, 19 Rector St., New York, NY 10006	1.820604
Northern Insurance Company of New York, P.O. Box 1228, Baltimore, MD 21203	662038
Northwestern National Ins. Co., 731 No. Jackson St., Milwaukee, WI 53201	165509
Ohio Casualty Insurance Company, The, 136 North Third St., Hamilton, OH 45025	331019
Pacific Indemnity Co., 51 John F. Kennedy Parkway, Short Hills, NJ 07078	124132
Peerless Insurance Co., 62 Maple Ave., Keene, NH 03431	248264
Protective Insurance Co., 3100 No. Meridian St., Indianapolis, IN 46208	103443
Providence Washington Insurance Co., 20 Washington Place, Providence, RI 02903	993051
Reliance Insurance Company, 4 Penn Center Plaza, Philadelphia, PA 19103	3.310190
Royal Insurance Company of America, 150 William Street, New York, NY 10038	4.687228
St. Paul Fire & Marine Ins. Co., 385 Washington St., St. Paul, MN 55102	413774
Seaboard Surety Co., 90 William St., New York, NY 10038	827547
State Farm Fire & Casualty Company, 112 East Washington St., Bloomington, IL 61701	827547
Transamerica Insurance Company, P.O. Box 54256, Los Angeles, CA 90054	10.758116
Travelers Indemnity Company, The, One Tower Square, Hartford, CT 06115	10.427097
United States Fidelity and Guaranty Co., 100 Light St., Baltimore, MD 21202	2.978171
United States Fire Insurance Co., P.O. Box 2387, Morristown, NJ 07960	1.241321
Zurich Insurance Co., 231 N. Hartingale Rd., Schaumburg, IL 60196	

*xc: HM Nelson  
KBS 4/16/81*

Effective Date of this Endorsement January 1, 1981 To form a part of Policy No NF-150

12:01 A.M. Standard Time

Issued to Battelle Memorial Institute - Northwest

Date of Issue March 12, 1981

For the subscribing companies

By *[Signature]* General Manager

Countersigned by *[Signature]*

Endorsement No 69

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

AMENDMENT OF DEFINITION OF CONDITION 2 "INSPECTION; SUSPENSION" AND "INSURED SHIPMENT"  
(Indemnified Nuclear Facility)

RECD JAN 13 1981

It is agreed that:

1.) Condition 2 "INSPECTION; SUSPENSION" is replaced by the following:

2 INSPECTION; SUSPENSION The companies shall at any time be permitted but not obligated to inspect the facility and all operations relating thereto and to examine the insured's books and records as far as they relate to the subject of this insurance and any property insurance afforded the insured through American Nuclear Insurers. If a representative of the companies discovers a condition which he believes to be unduly dangerous with respect to the nuclear energy hazard, a representative of the companies may request that such condition be corrected without delay. In the event of noncompliance with such request, a representative of the companies may, by notice to the named insured, to any other person or organization considered by the companies to be responsible for the continuation of such dangerous condition, and to the United States Nuclear Regulatory Commission, suspend this insurance with respect to the named insured and such other person or organization effective 12:00 midnight of the next business day of such Commission following the date that such Commission receives such notice. The period of such suspension shall terminate as of the time stated in a written notice from the companies to the named insured and to each such person or organization that such condition has been corrected.

Neither the right to make such inspections and examinations nor the making thereof nor any advice or report resulting therefrom shall constitute an undertaking, on behalf of or for the benefit of the insured or others, to determine or warrant that such facility or operations are safe or healthful, or are in compliance with any law, rule or regulation. In consideration of the issuance or continuation of this policy, the insured agrees that neither the companies nor any persons or organizations making such inspections or examinations on their behalf shall be liable with respect to injury to or destruction of property at the facility, or any consequential loss or expense resulting therefrom, or any loss resulting from interruption of business or manufacture, arising out of the making of or a failure to make any such inspection or examination, or any report thereon, or any such suspension of insurance, but this provision does not limit the contractual obligations of the companies under this policy or any policy affording the insured property insurance through American Nuclear Insurers.

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

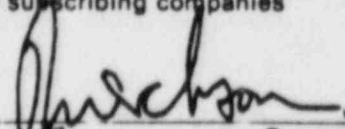
AMENDMENT OF THE LOCATION OF THE FACILITY

It is agreed that in Item 3 of the Declarations the "Location" of the facility as amended by Endorsement Nos. 13, 29, 41 and 66 is further amended to read:

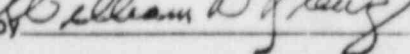
Location: All buildings or other structures located on the Department of Energy's Hanford Works which are occupied in whole or in part by Battelle Memorial Institute, and which are used for the named insured's own account pursuant to DOE Use Permit, Contract No. EY-76-C-06-1831. Except that 1) with respect to Building 306, Building 1706KEL, and Building 185D-189D location shall mean only that portion of such buildings used for the named insured's own account pursuant to the DOE Use Permit, Contract No. EY-76-C-06-1831.

Effective Date of this Endorsement January 1, 1981 To form a part of Policy No NF-150  
12:01 A.M. Standard Time  
Issued to Battelle Memorial Institute - Northwest  
Date of Issue June 25, 1981

For the subscribing companies

By   
General Manager

Endorsement No 70

Countersigned by 



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

ADVANCE PREMIUM AND STANDARD PREMIUM ENDORSEMENT

CALENDAR YEAR 1981

It is agreed that Items 1a. and 1b. of Endorsement No. 67  
are amended to read:

1a. ADVANCE PREMIUM: It is agreed that the Advance  
Premium due the companies for the period designated above  
is: \$ 9,000.00.

1b. 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: \$ 6,030.00.

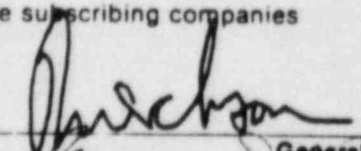
Return Premium: \$ 915.00.

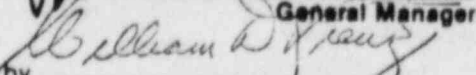
Effective Date of this Endorsement January 1, 1981 To form a part of Policy No. NF-150  
12:01 A.M. Standard Time

Issued to Battelle Memorial Institute - Northwest

Date of Issue June 25, 1981

For the subscribing companies

By  General Manager

Countersigned by 

Endorsement No. 71  
NE-36

PREMIUM COMPUTATION FOR 19 81 REVISION   
 ORIGINAL

NAMED INSURED Battelle Memorial Institute - Northwest  
 POLICY NO. NF-150 LIMIT OF LIABILITY \$20. MILLION  
 PREPARED BY Richard D. Jones DATE PREPARED June 25, 1981  
 ENDORSEMENT NO. 71 NEL-PIA INVOICE NO. 7262 726.3

Miscellaneous Operations  
 Annual Premium: \$9,000.00

<u>Status</u>	<u>Base Premium</u>	<u>Annual Premium</u>
Laboratory (Minimal Inventory)	\$2,500.00	\$9,000.00

Commission  
 \$9,000.00 x 10% = \$900.00

<u>Reserve Premium</u>	
Standard Premium	\$9,000.00
Less Commission	900.00
	<u>\$8,100.00</u>
Less 23% of S.P.	2,070.00
Reserve Premium	<u>\$6,030.00</u>

	<u>Gross</u>	<u>Commission</u>	<u>Net</u>
1981 Original	\$9,915.00	\$991.50	\$8,923.50
1981 Revision	9,000.00	900.00	8,100.00
Return Premium	<u>\$ 915.00</u>	<u>\$ 91.50</u>	<u>\$ 823.50</u>

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

AMENDMENTS OF DEFINITION OF "NUCLEAR ENERGY HAZARD" AND  
PART OF CONDITION 4, "LIMITATION OF LIABILITY; COMMON OCCURRENCE"  
(Indemnified Nuclear Facility)

It is agreed that:

1. In Insuring Agreement III, "DEFINITIONS", solely with respect to an "insured shipment" to which this policy applies as proof of financial protection required by the Nuclear Regulatory Commission, Subdivision (2) of the definition of "nuclear energy hazard", as amended, is further amended to read:
  - (2) the nuclear material is in an insured shipment which is away from any other nuclear facility and is in the course of transportation, including the handling and temporary storage incidental thereto, within
    - (a) the territorial limits of the United States of America, its territories or possessions, or Puerto Rico; or
    - (b) international waters or airspace, provided that the nuclear material is in the course of transportation between two points located within the territorial limits described in (a) above and there are no deviations in the course of the transportation for the purpose of going to any other country, state or nation, except a deviation in the course of said transportation for the purpose of going to or returning from a port or place of refuge as the result of an emergency.
2. Subdivision (b) of Condition 4, "LIMITATION OF LIABILITY; COMMON OCCURRENCE", as amended, is replaced by the following:
  - (b) source material, special nuclear material, spent fuel, waste, or tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its source material content in the course of transportation for which insurance is afforded under this policy and also arising out of such properties of other source material, special nuclear material, spent fuel, waste, or tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its source material content in the course of transportation for which insurance is afforded under one or more other Nuclear Energy Liability Policies (Facility Form) issued by Nuclear Energy Liability Insurance Association.

Effective Date of this Endorsement January 1, 1982 To form a part of Policy No. NF-150  
12:01 A.M. Standard Time

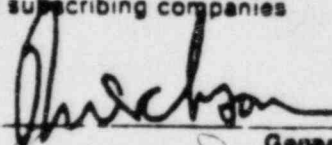
Issued to BATTELLE MEMORIAL INSTITUTE-NORTHWEST

Date of Issue December 17, 1981

For the subscribing companies

XC: H.M. Nelson  
SH 5/14/82

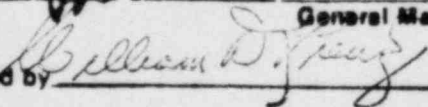
By



General Manager

Endorsement No. 72  
NE-58 (1/1/82)

Countersigned by



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

ADVANCE PREMIUM AND STANDARD PREMIUM CALENDAR YEAR 1982  
ENDORSEMENT

1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is:

\$9,650.00 .

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:

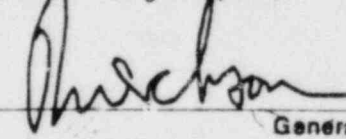
\$6,465.50 .

Effective Date of this Endorsement January 1, 1982 To form a part of Policy No. NF-150

Issued to BATTELLE MEMORIAL INSTITUTE-NORTHWEST  
12:01 A.M. Standard Time

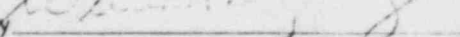
Date of Issue December 17, 1981

For the subscribing companies

By  General Manager

Endorsement No 73

*XC: Hm Nelson  
SH 4/14/82*

Countersigned by 



Nuclear Energy Liability Insurance  
NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT  
Calendar Year 1982

1. It is agreed that with respect to bodily injury or property damage 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 or property damage 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, 1982 or to the time of the termination or cancellation of the policy, if sooner.

<u>SUBSCRIBING COMPANIES</u>	<u>PROPORTION OF 100%</u>
Aetna Casualty and Surety Co., The, 151 Farmington Ave, Hartford, CT 06156	9.957349
Aetna Insurance Company, 55 Elm St., Hartford, CT 06115	3.153160
Affiliated FM Insurance Co., Allendale Park, P.O. Box 7500, Johnston, RI 02919	0.248934
Allianz Insurance Company, 6435 Wilshire Blvd., Los Angeles, CA 90054	1.327647
Allstate Insurance Co., Allstate Plaza South - G1, Northbrook, IL 60062	4.978675
American Home Assurance Co., 102 Maiden Lane, New York, NY 10035	0.871268
American Motorists Insurance Co., Long Grove, IL 60049	0.414890
Bituminous Casualty Corporation, 320-18th St., Rock Island, IL 61201	0.414890
Centennial Insurance Co., Atlantic Building, 45 Wall Street, New York, NY 10005	0.248934
Commercial Union Insurance Co., One Beacon St., Boston, MA 02108	3.319116
Connecticut Indemnity Company, The, 9 Farm Springs Rd., Farmington, CT 06032	0.414890
Continental Casualty Co., CNA Plaza, Chicago, IL 60685	4.148895
Continental Insurance Co., The, 80 Maiden La., New York, NY 10038	7.675457
Federal Insurance Co., 51 John F. Kennedy Parkway, Short Hills, NJ 07078	1.493602
Fireman's Fund Insurance Companies, P.O. Box 3395, San Francisco, CA 94119	5.310586
General Accident Insurance Company of America, 414 Walnut St., Philadelphia, PA 19105	1.327647
Hanover Insurance Co., The, 440 Lincoln St., Worcester, MA 01605	0.497867
Hartford Accident and Indemnity Co., Hartford Plaza, Hartford, CT 06115	7.053122
Hartford Steam Boiler Insp. & Ins. Co., The, 56 Prospect St., Hartford, CT 06102	0.497867
Highlands Insurance Co., 600 Jefferson St., Houston, TX 77002	0.414890
Home Indemnity Co., The, 59 Maiden Lane, New York, NY 10038	3.651028
Insurance Co. of North America, P.O. Box 7728, Philadelphia, PA 19101	1.659558
Monarch Insurance Co. of Ohio, The, 19 Rector St., New York, NY 10006	0.331912
Northern Insurance Company of New York, P.O. Box 1228, Baltimore, MD 21203	2.240404
Northwestern National Ins. Co., 731 No. Jackson St., Milwaukee, WI 53201	0.663823
Ohio Casualty Insurance Company, The, 136 North Third St., Hamilton, OH 45025	0.165956
Pacific Indemnity Co., 51 John F. Kennedy Parkway, Short Hills, NJ 07078	0.331912
Peerless Insurance Co., 62 Maple Ave., Keene, NH 03431	0.124467
Protective Insurance Co., 3100 No. Meridian St., Indianapolis, IN 46208	0.248934
Providence Washington Insurance Co., 20 Washington Place, Providence, RI 02903	0.167956
Reliance Insurance Company, 4 Penn Center Plaza, Philadelphia, PA 19103	0.995735
Royal Insurance Company of America, 150 William Street, New York, NY 10038	3.319116
St. Paul Fire & Marine Ins. Co., 385 Washington St., St. Paul, MN 55102	4.698869
Seaboard Surety Co., 90 William St., New York, NY 10038	0.165956
State Farm Fire & Casualty Company, 112 East Washington St., Bloomington, IL 61701	0.829779
Transamerica Insurance Company, P.O. Box 54256, Los Angeles, CA 90054	0.829779
Travelers Indemnity Company, The, One Tower Square, Hartford, CT 06115	10.787128
United States Fidelity and Guaranty Co., 100 Light St., Baltimore, MD 21202	10.455217
United States Fire Insurance Co., P.O. Box 2387, Morristown, NJ 07960	3.319116
Zurich Insurance Co., 231 No. Martingale Rd., Schaumburg, IL 60196	1.244669

Effective Date of this Endorsement January 1, 1982 To form a part of Policy No. NF-150

Issued to Battelle Memorial Institute Northwest

Date of Issue March 5, 1982 For the subscribing companies

By [Signature] General Manager

Endorsement No. 74

Countersigned by [Signature]  
xc: H M Nelson SA 5/14/82



Nuclear Energy Liability Insurance

NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

ADVANCE PREMIUM AND STANDARD PREMIUM CALENDAR YEAR 1983  
ENDORSEMENT

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is:

\$ 10,007.50

- 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:

\$ 6,705.39

Effective Date of This Endorsement January 1, 1983 To form a part of Policy No. NF-150

12:01 A.M. Standard Time

issued to Battelle Memorial Institute-Northwest

Date of Issue December 15, 1982

For the subscribing companies

By [Signature]  
General Manager

Endorsement No. 75

Countersigned by [Signature]

*10 H.M. Nelson 24 1/6/83*

REC'D MAR 25 1983

Nuclear Energy Liability Insurance  
NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT  
Calendar Year 1983

- 1. It is agreed that with respect to bodily injury or property damage 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 or property damage 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, 1983 or to the time of the termination or cancellation of the policy, if sooner.

Table with 2 columns: SUBSCRIBING COMPANIES and PROPORTION OF LOSS. Lists various insurance companies and their respective loss proportions.

Effective Date of this Endorsement January 1, 1983 To form a part of Policy No NF-150  
12:01 A.M. Standard Time

Issued to Battelle Memorial Institute-Northwest

Date of Issue March 1, 1983

For the subscribing companies  
By [Signature] General Manager

Endorsement No 76

Countersigned by [Signature]

cc: H.M. Nelson  
SM 4/4/83

NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

ADVANCE PREMIUM AND STANDARD PREMIUM CALENDAR YEAR 1984  
ENDORSEMENT

- 1. ADVANCE PREMIUM: It is agreed that the Advance Premium due the companies for the period designated above is:

\$ 10,232.75

- 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:

\$ 6,867.58

Effective Date of This Endorsement January 1, 1984 To form a part of Policy No. NF-150

12:01 A.M. Standard Time

Issued to Battelle Memorial Institute - Northwest

Date of Issue December 14, 1983

For the subscribing companies

By *[Signature]* General Manager

Endorsement No. 77

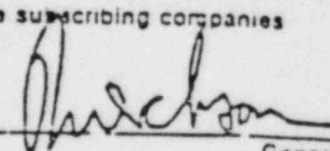
Countersigned by *[Signature]*

x.c. *H.W. Nelson*  
*SH 1/12/84*

Nuclear Energy Liability Insurance  
NUCLEAR ENERGY LIABILITY INSURANCE ASSOCIATION

AMENDMENT OF DEFINITION OF INSURED  
(Tennessee Valley Authority)

It is agreed that regardless of the provisions of the second paragraph of Insuring Agreement II, part (b) of the Definition of Insured includes as an insured the Tennessee Valley Authority with respect to its legal responsibility for damages because of bodily injury or property damage caused by the nuclear energy hazard.

Effective Date of this Endorsement January 1, 1984 To form a part of Policy No. NF-150  
12:01 A.M. Standard Time  
issued to Battelle Memorial Institute - Northwest  
Date of Issue December 14, 1983  
For the subscribing companies  
By  General Manager  
Endorsement No. 78  
Countersigned by \_\_\_\_\_

*XC: H.M. Tolson*  
*JH 3/22/84*



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

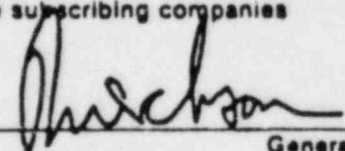
CHANGES IN SUBSCRIBING COMPANIES AND IN THEIR PROPORTIONATE LIABILITY ENDORSEMENT  
 Calendar Year 1984

1. It is agreed that with respect to bodily injury or property damage 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 or property damage 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, 1984 or to the time of the termination or cancellation of the policy, if sooner.

<u>SUBSCRIBING COMPANIES</u>	<u>PROPORTION OF 100%</u>
Aetna Casualty & Surety Co., The, 151 Farmington Avenue, Hartford, CT 06156	8.75847
Affiliated FM Insurance Co., Allendale Park, P.O. Box 7500, Johnston, RI 02919	.25024
Allianz Insurance Company, 6435 Wilshire Blvd., Los Angeles, CA 90048	1.33462
Allstate Insurance Co., 1 Allstate Comm'l Plaza, - TIA, 51 West Higgins Rd., South Barrington, IL 60010	4.67118
American Home Assurance Company, 70 Pine Street, New York, NY 10005	.87585
American Motorists Insurance Company, Long Grove, IL 60049	.41707
Bituminous Casualty Corporation, 320-18th St., Rock Island, IL 61201	.41707
Centennial Insurance Company, Atlantic Building, 45 Wall Street, New York, NY 10005	.25025
Commercial Union Insurance Co., One Beacon Street, Boston, MA 02108	3.33656
Connecticut Indemnity Company, The, 9 Farm Springs Rd., Farmington, CT 06032	.41707
Continental Casualty Co., CNA Plaza, Chicago, IL 60685	4.50435
Continental Insurance Co., The, 2 Corporation Place South, Piscataway, NJ 08854	7.71579
Federal Insurance Co., 51 John F. Kennedy Parkway, Short Hills, NJ 07078	1.50145
Firemen's Fund Insurance Companies, P.O. Box 777, Novato, CA 94998	5.33849
General Accident Insurance Company of America, 414 Walnut St., Philadelphia, PA 19105	1.34452
General Insurance Company of America, Safeco Plaza, Seattle, WA 98185	1.66828
Harover Insurance Co., The, 440 Lincoln St., Worcester, MA 01605	.50048
Hartford Accident and Indemnity Co., The, Hartford Plaza, Hartford, CT 06115	7.09020
Hartford Steam Boiler Insp. & Ins. Co., The, 56 Prospect St., Hartford, CT 06102	.58389
Highlands Insurance Co., 600 Jefferson St., Houston, TX 77002	.33365
Home Indemnity Co., The, 59 Maiden Lane, New York, NY 10038	1.83511
Insurance Co. of North America, c/o CIGNA, 10 Rockefeller Plaza, New York, NY 10020	4.83801
Metropolitan Prop. & Liab. Insurance Co., 125 Maiden Lane, Suite 1200, New York, NY 10038	1.66828
Mission Insurance Company, 2601 Wilshire Blvd., Los Angeles, CA 90057	.50048
Monarch Insurance Co. of Ohio, The, 19 Rector St., New York, NY 10006	.33365
Motors Insurance Corporation, 3044 West Grand Blvd., Detroit, MI 48202	.16683
Northwestern National Insurance Company, 731 No. Jackson St., Milwaukee, WI 53202	.93424
Ohio Casualty Insurance Company, The, 136 North Third St., Hamilton, OH 45025	.16683
Pacific Indemnity Co., 51 John F. Kennedy Parkway, Short Hills, NJ 07078	.41707
Protective Insurance Co., 3100 North Meridian St., Indianapolis, IN 46208	.08341
Providence Washington Insurance Co., 20 Washington Place, Providence, RI 02903	.16683
Reliance Insurance Company, 4 Penn Center Plaza, Philadelphia, PA 19103	1.00097
Royal Insurance Company of America, 150 William Street, New York, NY 10038	3.50338
St. Paul Fire & Marine Ins. Co., 385 Washington St., St. Paul, MN 55102	5.05822
Seaboard Surety Co., 90 William St., New York, NY 10038	.16683
State Farm Fire & Casualty Company, 112 East Washington St., Bloomington, IL 61701	.83414
Transamerica Insurance Company, P.O. Box 54256, Los Angeles, CA 90054	.83414
Transport Indemnity Company, 3670 Wilshire Blvd., Los Angeles, CA 90010	.08341
Travelers Indemnity Company, The, One Tower Square, Hartford, CT 06115	10.84382
United States Fidelity and Guaranty Co., P.O. Box 1138, Baltimore, MD 21203	10.76041
United States Fire Insurance Co., P.O. Box 2387, Morristown, NJ 07960	3.08633
Universal Underwriters Insurance Co., 5115 Oak Street, Kansas City, MO 64112	.16683
Zurich Insurance Co., 231 No. Martingale Rd., Schaumburg, IL 60196	1.25120

NE-84

Effective Date of this Endorsement January 1, 1984 To form a part of Policy No NF-150  
 Issued to Battelle Memorial Institute - Northwest  
 Date of Issue March 1, 1984

For the subscribing companies  
 By  General Manager

Endorsement No 79 Countersigned by \_\_\_\_\_

*XC: H.M. Nelson  
 JH 3/22/84*



COMMISSION COMPUTATION FOR 1974

POLICY NO. NF-150

NAMED INSURED: Battelle Memorial Institute

DATE PREPARED: 12/4/73

PREPARED BY: C. R. Bardes

\$10,000.00 @ 10%	=	\$1,000.00
14,486.36 @ 5%	=	<u>724.32</u>
1974 Commission		1,724.32

Reserve Premium Computation

1974 Standard Premium	\$24,486.36
Less Commission	<u>1,724.32</u>
	22,762.04
Less 23% of Std. Prem.	<u>5,631.86</u>
1974 Reserve Premium	\$17,130.18

	Gross	Commission	Net
1974 Adv. Prem	\$24,486.36	\$1,724.32	\$22,762.04