

Westinghouse  
Electric Corporation

Energy Systems



Box 355  
Pittsburgh Pennsylvania 15230-0355

70-1151  
30-6134  
30-6135  
70-1143  
70-698  
52-22  
70-1503  
70-48  
30-3244  
40-8976

April 2, 1997

RA-97-038

U. S. Nuclear Regulatory Commission  
Office of Nuclear Material Safety & Safeguards  
Washington, DC 20555

ATTENTION: Mr. Louis Bykoski  
Low Level Waste & Decommissioning Projects Branch

Dear Mr. Bykoski:

SUBJECT: Transmittal of Original Document for Revision to Letter of Credit

By letter dated March 6, 1997 (Westinghouse Letter Number RA-97-031 from A. J. Nardi to USNRC), Westinghouse transmitted a revised Financial Assurance Mechanism for Decommissioning. Attachment 3 to that letter provided a copy of an Amended Letter of Credit document rather than the original document. Enclosed with this letter is the original document which amends the Letter of Credit Number [REDACTED] with the Toronto-Dominion Bank.

If you have any questions concerning this transmittal, please contact me at (412)374-4652.

Sincerely,

WESTINGHOUSE ELECTRIC CORPORATION

A. J. Nardi  
ESBU Regulatory Affairs

**NOT NEGOTIABLE**

ts  
Attachment

ALLIO/1

9704250192 970402  
PDR ADOCK 052\*\*\*\*\*  
I PDR



THE TORONTO-DOMINION BANK  
909 Fannin Street, Suite 1700  
Houston, Texas 77010

Date of Amendment: February 14, 1997

AMENDMENT TO  
DOCUMENTARY CREDIT

Number 

Place and date of issue  
Houston, Texas; April 7, 1996

Applicant  
Westinghouse Electric Corporation  
11 Stanwix Street  
Pittsburgh, PA 15222

Beneficiary  
U.S. Nuclear Regulatory Commission ("NRC")  
Decommissioning and Regulatory Branch  
Washington, D.C. 20555  
Attention: Group Chief

Advising Bank  
N/A

This amendment is to be considered as part of the  
above mentioned credit and must be attached thereto

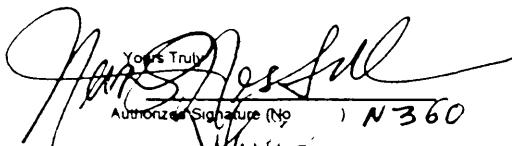
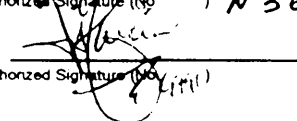
The above-mentioned credit is amended as follows:

Increase the principal amount by \$777,000.00, from \$20,264,000.00 to \$21,041,000.00 effective February 14, 1997.

All other terms and conditions remain unchanged

The above mentioned Documentary Credit is subject to the Uniform Customs and Practice for Documentary Credits (1993 Revision, International Chamber of Commerce, Publication No. 500).

**NOT NEGOTIABLE**

  
Yours Truly  
Authorized Signature (No. ) N360  
  
Authorized Signature (No. ) (Limit)

Advising Bank's notification

Place, date, name and signature of the advising bank



Westinghouse  
Electric Corporation

Energy Systems

Box 355  
Pittsburgh Pennsylvania 15230-0355

March 6, 1997

RA-97-031

U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555  
Attention: Director, Office of Nuclear Material Safety and Safeguards

Dear Sir:

Subject: Revised Financial Assurance Mechanism for Decommissioning

The Westinghouse Electric Corporation hereby submits a revision increasing the total dollar amount of decommissioning financial assurance funds for its NRC licensed facilities from the amount identified in Westinghouse's last updated submittal to the Commission dated March 22, 1996. The financial instrument being used by Westinghouse to reflect the increase in the Financial Assurance Mechanism is a standby letter of credit with an associated amendment to the existing standby trust. This submittal is to maintain compliance with the Commission's decommissioning financial assurance regulations contained in "General Requirements for Decommissioning Nuclear Facilities," 10 CFR Parts 30, 40, 50, and 70.

The revised amount, as reflected in the newly issued letter of credit, is the net effect associated with two (2) changes that are being made in the Westinghouse decommissioning financial assurance amount. The first change is to increase the Financial Assurance amount applicable to License Number SNM-47 to reflect the preparation of a cost estimate for decommissioning. This action is being taken as part of the application for renewal of this license. The second change is to eliminate the financial assurance amount associated with License Number 52-19336-01 which has been removed from the list of Westinghouse licensed facilities because this license has been transferred to the new owners of the facility. The cumulative effect of these two changes is to increase the overall amount of financial assurance required by an amount of \$777,000.

This revised submittal includes the following attachments: Continuing Certification of Financial Assurance (Attachment 1); Amendment No. 1 to Standby Trust Agreement (Attachment 2); a revised Standby Letter of Credit in the amount of \$21,041,000 which is an increase of \$777,000 over the original value (Attachment 3); and the Decommissioning cost estimate for License Number SNM-47 (Attachment 4). Included in Attachment 1 is a revised identification of the specific NRC licenses held by Westinghouse.

Also enclosed are two additional originals of Amendment Number 1 to the Standby Trust Agreement. Please have an appropriate agency official execute these documents, as well as the

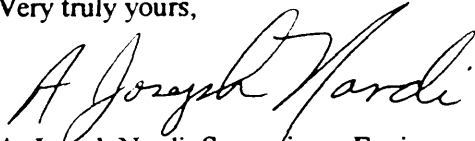
9704250199 970402  
PDR ADOCK 052\*\*\*\*\*  
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copy of the amendment to the Standby Trust (Attachment 2) which forms a part of this submittal, and return the two additional originals to me for our files and the files of the Trustee bank.

The actions taken by this transmittal complete the requirements of License Condition #12 in Amendment #19 to License SNM-47 (Docket 70-00048) as renewed on February 20, 1997. If you have any questions concerning this transmittal, please contact me at (412) 374-4652.

Very truly yours,



A. Joseph Nardi, Supervisory Engineer  
ESBU Regulatory Affairs

cc: U.S. Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406  
Attention: John D. Kinneman

NOT NEGOTIABLE

**ATTACHMENT 1**

**CONTINUING CERTIFICATION  
OF FINANCIAL ASSURANCE**

**NOT NEGOTIABLE**

ATTACHMENT 1

CONTINUING CERTIFICATION OF FINANCIAL ASSURANCE

Principal: Westinghouse Electric Corporation  
Westinghouse Building  
Gateway Center  
Pittsburgh PA 15222

Mailing address for correspondence regarding this matter:

Westinghouse Electric Corporation  
Energy Systems  
PO Box 355  
Pittsburgh PA 15230

NRC license numbers, name and address of each facility:

See Attachment 1, p. 2  
(List of Westinghouse licenses covered by this certification)

Issued to: US Nuclear Regulatory Commission  
Washington DC 20555

This is to certify that Westinghouse Electric Corporation is licensed to possess a Production and Utilization Facility, and By-product, Special Nuclear and Source Materials licenses; and that financial assurance in the amounts prescribed by 10 CFR Parts 30, 40, 50, and 70 has been obtained for the purpose of decommissioning. The list of licenses in Attachment 1, page 2, identifies the specific licenses currently covered and the amounts of financial assurance provided for each. The total financial assurance amounts to \$82,368,000, an increase of \$777,000 over previous financial assurance amounts.

Sincerely,



T. E. Mistler  
Energy Systems Business Unit

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**ATTACHMENT I, PAGE 2**  
**LISTING OF NRC LICENSES FOR WESTINGHOUSE ELECTRIC CORPORATION**  
**TRUST AGREEMENT SCHEDULE**

	NRC LICENSE NUMBER	FACILITY LOCATION AND ADDRESS	TYPE OF LICENSE	FINANCIAL ASSURANCE VALUE <sup>1</sup> IN \$000
1	SNM-1107	Nuclear Fuel Fabrication Bluff Road, Columbia, SC 29250	SNM	31,984 <sup>4</sup>
2	37-5809-01	Pump Repair Facility-EMD Cheswick Ave., Cheswick, PA 15024	Combined Materials	7,000 <sup>4</sup>
3	37-5809-02	Industrial Radiography Facility Cheswick Avenue Cheswick, PA 15024	Byproduct	18 <sup>4</sup>
4	SNM-1120	Plutonium Fuels Development Lab <sup>2</sup> Cheswick Ave. Cheswick, PA 15024	SNM	25
5	SNM-770	Waltz Mill Site P.O. Box 158 Madison, PA 15663-0158	Combined Materials	24,051 <sup>4</sup>
6	TR-2	Westinghouse Test Reactor <sup>3</sup> Waltz Mill Site P.O. Box 158 Madison, PA 15663-0158	Part 50	13,948 <sup>4</sup>
7	SNM-1460	Science and Technology Center (Hot Cells), Beulah Road Pittsburgh, PA 15235	Combined Materials	2,900 <sup>4</sup>
8	SNM-47	Science and Technology Center Beulah Road Pittsburgh, PA 15235	Combined Materials	1,542 <sup>4</sup>
9	37-00497-15	Forest Hills Site <sup>5</sup> P.O. Box 855 Pittsburgh, PA 15230-0855	Combined Materials	750
10	SMB-1527	Bloomfield, New Jersey <sup>5</sup> P. O. Box 127 1 Westinghouse Plaza Bloomfield, NJ 07003	Source Material	150
<b>Totals</b>				<b>82,368</b>

1 Financial assurance values referenced in (10CFR 30.35, 40.36, 50.75 and 70.25).

2 Decommissioning completed.

3 This is possession only type license.

4 Decommissioning cost is based on an engineering study.

5 Under active decommissioning.

02/97

**NOT NEGOTIABLE**

**ATTACHMENT 2**

**EXECUTED COPY OF AMENDMENT NO. 1  
TO STANDBY TRUST AGREEMENT**

**NOT NEGOTIABLE**



AMENDMENT NO. 1 TO  
STANDBY TRUST AGREEMENT

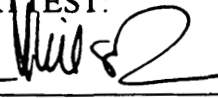
The Standby Trust Agreement entered into as of April 7, 1996 by and between Westinghouse Electric Corporation, a Pennsylvania corporation ("Grantor") and Dai-Ichi Kangyo Trust Company of New York, incorporated in the State of New York, the "Trustee" is hereby amended as follows:

- 1) The Schedule A submitted with the Agreement is replaced with the Schedule A attached to this Amendment No. 1.
- 2) The Schedule B submitted with the Agreement is replaced with the Schedule B attached to this Amendment No. 1.

Except as set forth herein, the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this Amendment No. 1 to the Standby Trust Agreement to be executed by their respective duly authorized officers as of this \_\_\_ day of January, 1997.

ATTEST:

  
\_\_\_\_\_

WESTINGHOUSE ELECTRIC CORPORATION

By:   
\_\_\_\_\_

ATTEST:

  
\_\_\_\_\_

DAI-ICHI KANGYO TRUST COMPANY  
OF NEW YORK

By:   
\_\_\_\_\_

AGREED TO AND ACCEPTED:

ATTEST  
\_\_\_\_\_

U.S. NUCLEAR REGULATORY COMMISSION

By: \_\_\_\_\_

NOT NEGOTIABLE

**SCHEDULE A TO STANDBY TRUST AGREEMENT**  
**LISTING OF NRC LICENSES FOR WESTINGHOUSE ELECTRIC CORPORATION**  
**TRUST AGREEMENT SCHEDULE**

	NRC LICENSE NUMBER	FACILITY LOCATION AND ADDRESS	TYPE OF LICENSE	FINANCIAL ASSURANCE VALUE <sup>1</sup> IN \$000
1	SNM-1107	Nuclear Fuel Fabrication Bluff Road, Columbia, SC 29250	SNM	31,984 <sup>4</sup>
2	37-5809-01	Pump Repair Facility-EMD Cheswick Ave., Cheswick, PA 15024	Combined Materials	7,000 <sup>4</sup>
3	37-5809-02	Industrial Radiography Facility Cheswick Avenue Cheswick, PA 15024	Byproduct	18 <sup>4</sup>
4	SNM-1120	Plutonium Fuels Development Lab <sup>2</sup> Cheswick Ave. Cheswick, PA 15024	SNM	25
5	SNM-770	Waltz Mill Site P.O. Box 158 Madison, PA 15663-0158	Combined Materials	24,051 <sup>4</sup>
6	TR-2	Westinghouse Test Reactor <sup>3</sup> Waltz Mill Site P.O. Box 158 Madison, PA 15663-0158	Part 50	13,948 <sup>4</sup>
7	SNM-1460	Science and Technology Center (Hot Cells), Beulah Road Pittsburgh, PA 15235	Combined Materials	2,900 <sup>4</sup>
8	SNM-47	Science and Technology Center Beulah Road Pittsburgh, PA 15235	Combined Materials	1,542 <sup>4</sup>
9	37-00497-15	Forest Hills Site <sup>5</sup> P.O. Box 855 Pittsburgh, PA 15230-0855	Combined Materials	750
10	SMB-1527	Bloomfield, New Jersey <sup>5</sup> P. O. Box 127 1 Westinghouse Plaza Bloomfield, NJ 07003	Source Material	150
			Totals	82,368

- 1 Financial assurance values referenced in (10CFR 30.35, 40.36, 50.75 and 70.25).
- 2 Decommissioning completed.
- 3 This is possession only type license.
- 4 Decommissioning cost is based on an engineering study.
- 5 Under active decommissioning.

**NOT NEGOTIABLE**

**SCHEDULE B TO STANDBY TRUST AGREEMENT**

**LISTING OF LETTERS OF CREDIT**

<u>Date Entered</u> (1)	<u>Issuing Institution of Irrevocable Letter of Credit*</u>	<u>Amount</u>
April 9, 1993	Chemical Bank Delaware P.O. Box 8840 Wilmington, DE 19899	\$4,380,000.00
April 9, 1993	ABN AMRO Bank N.V. Pittsburgh Branch One PPG Place Suite 2950 Pittsburgh, PA 15222-5400	\$18,845,000.00
January 24, 1995	The Toronto-Dominion Bank Three First National Plaza 70 West Madison Street Suite 1900 Chicago, IL 60602	\$38,102,000.00
April 7, 1996	The Toronto-Dominion Bank Three First National Plaza 70 West Madison Street Suite 1900 Chicago, IL 60602	\$21,041,000.00
<b>TOTAL</b>		<b>\$82,368,000.00</b>

\*Beneficiary of Letter of Credit is NRC

(1) Automatically renew after 12 months unless prior notice is given.

**NOT NEGOTIABLE**

**ATTACHMENT 3**

**REVISED STANDBY LETTER OF CREDIT**

**NOT NEGOTIABLE**

THE TORONTO-DOMINION BANK  
909 Fannin Street, Suite 1700  
Houston, Texas 77010

Date of Amendment: February 14, 1997

AMENDMENT TO  
DOCUMENTARY CREDIT

Number [REDACTED]

Place and date of issue  
Houston, Texas; April 7, 1996

Applicant  
Westinghouse Electric Corporation  
11 Stanwix Street  
Pittsburgh, PA 15222

Beneficiary  
U.S. Nuclear Regulatory Commission ("NRC")  
Decommissioning and Regulatory Branch  
Washington, D.C. 20555  
Attention: Group Chief

Advising Bank  
N/A

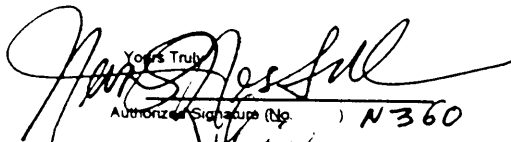
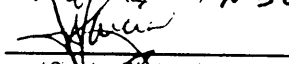
This amendment is to be considered as part of the  
above mentioned credit and must be attached thereto.

The above-mentioned credit is amended as follows:

Increase the principal amount by \$777,000.00, from \$20,264,000.00 to \$21,041,000.00 effective February 14, 1997.

All other terms and conditions remain unchanged

The above mentioned Documentary Credit is subject to the Uniform Customs and Practice for Documentary Credits (1993 Revision, International Chamber of Commerce, Publication No. 500).

  
Chris Trub  
Authorized Signature (No. ) N360  
  
Authorized Signature (No. ) [REDACTED]

Advising Bank's notification

Place, date, name and signature of the advising bank

NOT NEGOTIABLE

**ATTACHMENT 4**

**DECOMMISSIONING COST ESTIMATE  
FOR LICENSE NO. SNM-47**

**NOT NEGOTIABLE**

**APPENDIX F**

**COST ESTIMATING TABLES**

1. Planning and Preparation

Table 1

<u>Task</u>	<u>Workdays</u>				<u>Total</u>	<u>Total Cost</u>
	<u>Supervisor</u>	<u>Foreman</u>	<u>H.P.</u>	<u>Clerical</u>		
1. Preparation of Documentation for Regulatory Agencies	60		30		90	\$92,400
2. Submittal of Decommissioning Plan to NRC when required by 10 CFR 30.36(c)(2), 40.42(c)(2), or 70.38(c)(2)*	-	-	-	-	-	-
3. Development of Work Plans	60	60	60		180	\$166,800
4. Procuring of Special Equipment	5	5			10	\$9,500
5. Staff Training	20	20	20		60	\$55,600
6. Characterization of Radiological Condition of the Facility (Including soil and tailings analysis or ground-water analysis, if applicable)	10	10	10		30	\$27,800
7. Other (Sub. SEG)	10	10	10	40**	70	\$36,600
8. Total	165	105	130	40**	440	\$388,700

\* For assistance in preparation of cost estimate for 10 CFR Part 72, consult NRC Office of Nuclear Material Safety and Safeguards.

\*\* Contractor HP Technician, @ laborer rate.

**NOT NEGOTIABLE**

**APPENDIX F (Continued)  
COST ESTIMATING TABLES**

**Table 2**

**Unit Cost for Workers**

Position	Basic Salaries (\$/yr)	Overhead Rate (%)	Worker Cost/manday	Worker Cost/hr
Supervisor			1100	137.50
Foreman			800	100.00
Craftsman			440	55.00
Technician			570	71.25
Health Physicist			880	110.00
Laborer			220	27.50
Clerical				
Other (Contract)			220	27.50

**2. Decontamination and/or Dismantling of Radioactive Facility Components\***

	No.	Dimensions		No.	Dimensions
Glove Boxes	2	5 (m3)	Amount of Floor Space	7	2075 (m2)
Fume Hood	4	8 (m3)	Ventilation Ductwork	4	110 (m)
Hot Cells	1	6.5 (.3)	Amount of Wall Space	2x flr	4150 (m2)
Lab Benches	17	112 (m)	Other (Ceiling = Floor)	7	2075 (m2)
Sink and Drain	22	132 (m)			

**Table 3**

**Work Days**

Task	Super-visor	Fore-man	Tech-nicians	H.P.	Crafts-men	La-borer	Total	Total Cost
1. Decor/Dis-mantle Major Components and/or Proc-essing and Storage Tanks	0.5	10	0.25	3	-	24	37.75	\$16,613
2. Decor/Dis-mantle Laboratories, Fume Hoods, Glove Boxes, Benches, etc.	4.75	9.5	14.25	6.25	14.25	28.5	77.5	\$38,988

\*Indicate whether component is to be decontaminated to unrestricted release levels or packages and disposed of at a low-level waste site.



**APPENDIX F (Continued)  
COST ESTIMATING TABLES**

**Table 3 (Continued)**

Work Days

Task	Super-visor	Fore-man	Tech-nicians	H.P.	Crafts - men	La-borer	Total	Total Cost
3. Decon/Dis-mantle Major Waste Areas - Radwaste Areas - Scrap Recovery Areas - Other	Incl.	in	Item	No.	1			
4. Decon/Dis- mantle Service Facilities - Maintenance Shop - Decontamination Areas - Ventilation Systems - Other	35.9	71.7	107.5	50	53.5	214.4	534.3	\$273,120
5. Decon/Dis- mantle Waste Treatment Facilities and Storage Areas on the Site (Including exhume and package contaminated soil and tail-ings, if any) - Fluoride Lagoons - Nitrate Lagoons - CaF2 Waste Recovery - Ground Water Restoration - Other	NA	NA	NA	NA	NA	NA	NA	

**APPENDIX F (Continued)  
COST ESTIMATING TABLES**

**Table 3 (continued)**

Work Days

Task	Super-visor	Fore-man	Tech-nicians	H.P.	Crafts-men	La-borer	Total	Total Cost
6. Monitor for compliance, reclean and remonitor, if necessary	See Item 5, P. F-5							
7. Other (e.g., contractor fees)								

**Table 4**

Equipment/Supply	Quantity	Cost

**3. Packaging, Shipping, and Disposal of Radioactive Wastes**

**Table 5**

Waste Type	Volume (ft <sup>3</sup> )	No. of Containers	Type of Container	Unit Cost of Container	Total Cost
Well Aggregate	307.6			x \$500/ft <sup>3</sup>	\$153,800
Decon Incidentals		1	B25		\$50,000
Pu solns 1mm tech					\$11,400
Sealed Sources					\$249,257
<b>Total</b>					<b>\$464,457</b>

**Table 6**

Distance Shipped \_\_\_\_\_ (miles)  
 Unit cost for shipment \_\_\_\_\_ (\$/mile/truckload)  
 Additional charges \_\_\_\_\_  
 Overweight \_\_\_\_\_ (\$/mile)  
 Surcharges \_\_\_\_\_ (\$/mile)

Waste Type	No. of Shipments	Unit Cost for Shipping	Distance Shipped	Surcharge	Transportation Cost
<b>Total</b>					Incl in Table 5

**APPENDIX F (Continued)  
COST ESTIMATING TABLES**

**Table 7**

Burial Charges \_\_\_\_\_ (\$/m3)  
 Surcharges \_\_\_\_\_ (\$)  
 Per container \_\_\_\_\_ (\$/m3)  
 Disposal \_\_\_\_\_ (\$/m3)

Waste Type	Burial Volume	Unit Cost of Burial	Surcharge	Burial Cost
<b>Total</b>				<b>Incl in Table 5</b>

4. Restoration of Contaminated Areas on Facility Ground

**Table 9**

Work Days

Task	Supervisor	Foreman	H.P.	Clerical	Total	Total Cost
Backfill and Restore Site						

5. Final Radiation Survey

**Table 9**

Work Days

Task	Supervisor	Foreman	H.P.	Clerical	Total	Total Cost
<b>Total</b>	<b>\$4/ft2 per SEG performance @ STC x 90,000 ft2</b>					<b>\$360,000</b>

**NOT NEGOTIABLE**

**NOT NEGOTIABLE**

**APPENDIX F (Continued)  
COST ESTIMATING TABLES**

6. Site Stabilization, Long-Term Surveillance (If applicable)

**Table 10**

Work Days

Task	Supervisor	Foreman	H.P.	Clerical	Total	Total Cost
Not Applicable						

NOT NEGOTIABLE