



Docket No. 70-36  
License No. SNM-33

Director,  
Office of Nuclear Materials Safety and Safeguards  
U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

**Subject: Submittal of License SNM-33 Application Pages Affected by Corporate Name Change**

- Reference: 1) Application and attachments from ABB C-E Nuclear Power to NRC from Robert S. Bell, Jr., dated October 20, 1999.
- 2) U.S. Nuclear Regulatory Commission License, SNM-33, Docket No. 70-36.
- 3) Letter from NRC to Robert S. Bell, ABB C-E Nuclear Power, dated December 7, 1999.

Gentlemen

Consistent with the request stated in Reference 3, the affected pages within Part I of the SNM-33 license application have been updated to reflect the recent changes made to the corporate name. These pages and an updated Table of Contents are contained in Enclosure I. Also, in Enclosure II is the revised standby trust agreement and security bond rider associated with our facility decommissioning funding plan. Enclosure III contains an updated listing of effective pages for the SNM-33 license application. Provided for your use are six copies of this transmittal.

If you have any questions please contact me at (636) 937-4691, Ext. 399.

Sincerely,

ABB C-E NUCLEAR POWER, INC.

Robert W. Sharkey  
Director, Regulatory Affairs

2-7-00

Date

cc: Edwin Flack  
RA00/010

ABB CE Nuclear Power, Inc.

NMSSOIPublic

Enclosure I to RA00/010

**ABB C-E Nuclear Power, Inc.**  
**List of Affected Pages**  
**Date: February 07, 2000**

ABB CENP provides those pages affected by the amendment application in Reference 1, and a revised Table of Contents. The replacement pages are provided in this enclosure.

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## CHAPTER 1 STANDARD CONDITIONS AND SPECIAL AUTHORIZATIONS

### 1.1 Name, Address and Corporate Information

The name of the applicant is ABB C-E Nuclear Power, Inc. The applicant is incorporated in the state of Delaware with principal corporate offices located at 2000 Day Hill Road, Windsor, CT 06095. The Nuclear Fuel offices are headquartered at 2000 Day Hill Road, Windsor, CT 06095. The address at which the licensed activities will be conducted is:

ABB C-E Nuclear Power, Inc.  
3300 State Road P  
Festus, Missouri 63028

### 1.2 Site Location

The Hematite fuel manufacturing facility of ABB C-E Nuclear Power, Inc. is located on a site of about 228 acres in Jefferson County, Missouri, approximately 3/4 mile northeast of the unincorporated town of Hematite, Missouri and 35 miles south of the city of St. Louis, Missouri. Activities with special nuclear materials are conducted within an 8 acre, controlled access area near the center of the site and adjacent to the access road, State Road P. Nuclear fuel manufacturing activities occur within the fenced, controlled area. These activities include conversion of  $UF_6$  to  $UO_2$ , fabrication of  $UO_2$  nuclear fuel pellets, fabrication of nuclear fuel assemblies, and related processes.

### 1.3 License Number and Period of License

This application is for renewal of Special Nuclear Material License (SNM) No. SNM-33 (NRC Docket 70-36). Renewal is requested to cover a period of ten (10) years.

### 1.4 Possession Limits

ABB C-E Nuclear Power, Inc. requests authorization to receive, use, possess, store and transfer at its Hematite site, the following quantities of SNM and source materials:

<u>Material</u>	<u>Form</u>	<u>Quantity</u>
Uranium enriched to maximum of 5.0 weight percent in the <sup>235</sup> U isotope	Any *	20,000 kilograms <sup>235</sup> U
Uranium to any enrichment in the <sup>235</sup> U isotope	Any *	350 grams <sup>235</sup> U
Source material Uranium and Thorium	Any *	50,000 kilograms
Cobalt 60	Sealed sources	40 millicuries total
Cesium 137	Sealed sources	500 millicuries total
Mixed Activation and Fission Product Calibration Sources Including <sup>241</sup> Am	Solid Sources	200 microcuries total
Californium 252	Sealed Sources	4.0 milligrams total

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\* Excluding metal powders

## 1.5 Authorized Activities

This license application requests authorization for ABB C-E Nuclear Power, Inc. to receive, possess, use, store and transfer Special Nuclear Material under Part 70 of the Regulations of the Nuclear Regulatory Commission in order to manufacture nuclear reactor fuel utilizing low-enriched uranium (up to 5.0 weight percent in the isotope U<sup>235</sup>) and to receive, possess, use, store, and transfer Source Material under Part 40 of the Regulations of the Nuclear Regulatory Commission. Source materials are generally used for the start-up testing of a new process. Sealed cobalt-60 sources and solid sources are generally used for instrument calibration and testing. Sealed cesium 137 and californium 252 sources are used for performing quality checks on completed fuel rods. Authorized activities are conducted in the following buildings and facilities on the Hematite site:

<u>Number</u>	<u>Name</u>	<u>Primary Utilization</u>
101	Tile Barn	Emergency center and equipment storage
110	Office Building	Guard station and offices
115	Emergency Utilities	Water pump for fire suppression, emergency generator
120	Wood Barn	Equipment storage
	Oxide Building and Dock	UF <sub>6</sub> to UO <sub>2</sub> conversion, UF <sub>6</sub> receiving

(d) At 2 year intervals from the date of NRC approval of this renewal application, the licensee shall update the demonstration sections of the renewal application to reflect the licensee's current operations. The updates to the application shall, as a minimum, include information for the health and safety section of the application as required by 10 CFR 70.22(a) through 70.22(f) and 70.22(i) and operational data and information on environmental releases as required by 70.21. In lieu of an update at the end of the 10-year renewal period, the licensee may file a renewal application on or before ten years from the date of NRC approval of this renewal application.

(e) ABB C-E Nuclear Power, Inc. shall perform Integrated Safety Assessments (ISAs; also termed hazard analyses) for plant processes. A schedule for such has been submitted to and approved by the NRC. New or significantly modified plant processes (as determined by the Director of Regulatory Affairs) shall include such hazard analyses. The guidance of the Branch Technical Position on Requirements for Operation (from the "Guidance On Management Controls/Quality Assurance, Requirements for Operation, Chemical

Safety and Fire Protection for Fuel Cycle Facilities”, Federal Register, March 21, 1989) will be considered during those hazard analyses. Specifically, the following will be included in hazard analyses for equipment important to safety:

1. operational parameters important to safety, and limiting specifications for those parameters;
2. documentation of the basis for important-to-safety requirements for operation; and
3. programs for testing, calibration, and inspection of all instrumentation and control systems important to safety to assure their reliability.

(f) (deleted)

(g) (deleted)

(h) ABB CENP is authorized to release hydrofluoric acid manufactured as a byproduct of the uranium hexafluoride to uranium oxide conversion process for unrestricted commercial use providing the following conditions are met:

1. A representative sample of each batch of hydrofluoric acid product shall be obtained and analyzed for uranium.
2. A batch shall be no larger than 20,000 liters.
3. The specific activity of any batch released for unrestricted Use shall be  $< 3$  pCi/ml.

Minimum education and experience requirements for the Chairman are in Table I.2-1. The Committee is comprised of senior personnel from the technical staff of ABB C-E Nuclear Power, Inc., who have at least five (5) years experience in the nuclear industry. The Committee Chairman may invite participation by others from within Hematite or from the staff at Windsor.

#### 2.4 Approval Authority for Personnel Selection

Personnel for safety-related staff positions are approved by a higher level of management than the position of concern.

#### 2.5 Training

Hematite staff conduct or supervise the indoctrination of new employees in the safety aspects of the facility. The indoctrination topics shall include nuclear criticality, safety, fundamentals of radiation and radioactivity, contamination control, ALARA practices and emergency procedures. After test results demonstrate that a new employee has sufficient knowledge in the above topics, the new employee begins on-the-job training under direct line supervision and/or experienced personnel. The Supervisor monitors performance until it is adequate to permit work without close supervision.

The training and personnel safety program continues with on-the-job training supplemented by training in specialized topics such as personnel protective equipment, accident prevention, and other safety topics. Production Supervisors receive formal training in radiation and criticality control. Testing determines when they have sufficient knowledge to enable them to carry

handling, or storage, or related operations. The necessary management and safety reviews and approvals shall be performed prior to implementation of the change.

Significant changes, as determined by the Director of Regulatory Affairs, to operations affecting radiological and/or criticality safety are also reviewed by the Hematite Plant Safety Committee. Facility change requests requiring a criticality safety review shall be evaluated by a Nuclear Criticality Specialist.

If it is deemed necessary, by any reviewer, that an inspection of equipment, procedures, and postings to assure completeness prior to startup of a new or modified process, the requirement for such an inspection will be so designated in the Change Request. Such inspections shall be documented as part of the records for this facility change.

A modified process is defined as one involving a change in equipment design, SNM amount and/or configuration, or process controls when that change invalidates any aspect of the previous safety analysis.

## 2.8 Audits and Inspections

Audits and inspections shall be performed to determine if plant operations are conducted in accordance with applicable license conditions, ABB C-E Nuclear Power, Inc. policies, and written procedures. Audits shall apply to safety-related and environmental programs. Qualified personnel having no direct responsibility for the plant operation being audited shall be used to ensure unbiased and competent audits.

## CHAPTER 3 RADIATION PROTECTION

### 3.1 Special Administrative Requirements

#### 3.1.1 ALARA Policy

It is the policy of ABB C-E Nuclear Power, Inc. to maintain a safe work place and healthful work environment for each employee and to keep radiation exposures to both employees and the general public As Low As Reasonably Achievable (ALARA). The annual audit team described in Section 2.8 considers ALARA requirements in conjunction with the intent of Regulatory Guide 8.10.

A written report shall be made by the Director of Regulatory Affairs to the Director of Uranium Operations every six months providing employee radiation exposure (internal and external) and effluent release data. Trends in the reported data may reveal areas where exposures and releases can be lowered in accordance with the above ALARA commitment. The data may also help to identify problems in personnel exposure, in effluent release, in process control or in equipment for measuring effluents and exposures.

## CHAPTER 4 NUCLEAR CRITICALITY SAFETY

The administrative conditions and technical criteria in this chapter provide protection against an unplanned nuclear chain reaction (criticality). These conditions and criteria are applicable where fissile materials are to be stored, handled, or processed, and where the quantities of such fissile materials may create a potential nuclear criticality hazard.

Administrative conditions define:

- (a) the design philosophy used in the definition of processes involving the handling and storage of special nuclear materials (SNM),
- (b) the lines of responsibility for ensuring criticality safety aspects of the process are reviewed, documented, and approved by management, and
- (c) the written procedures and postings governing the processes for handling and storage of SNM.

Technical criteria provide the bases for:

- (a) limits and controls used in the processing, handling, and storage of SNM,
- (b) criticality evaluations, and
- (c) engineered process controls.

### 4.1 Administrative Conditions

#### 4.1.1 Process Design Philosophy

The process design philosophy used by ABB CENP to ensure nuclear criticality safety is based on the following key elements:

## CHAPTER 7 DECOMMISSIONING PLAN

ABB C-E Nuclear Power, Inc. reaffirms that, upon terminating activities involving materials authorized under license SNM-33, affected facilities will be decommissioned in a manner that will protect the health and safety of the public in accordance with 10 CFR 70.38. ABB C-E Nuclear Power, Inc.'s financial assurances in the letters dated July 19, 1990, May 28, 1993, December 10, 1993, May 23, 1994, July 29, 1994, June 18, 1999, and February 7, 2000, should be considered a part of this license application.

## CHAPTER 8 EMERGENCY PLAN

ABB C-E Nuclear Power, Inc. shall maintain and execute the response measures of the Hematite Emergency Plan submitted to the NRC via letter dated October 28, 1993. ABB CENP shall also maintain implementing procedures as necessary to implement the Plan. No change shall be made in this Plan that would decrease its response effectiveness without prior approval of the NRC as evidenced by a license amendment. Changes which do not decrease the response effectiveness of the Plan may be made without prior NRC approval; such changes to the Plan shall be reported to the NRC within 6 months after the change is made.

**Enclosure II to RA00/010**

As requested in Reference 3, ABB C-E Nuclear Power, Inc. provides the following documents:

1. AMENDMENT ONE TO STANDBY TRUST AGREEMENT, NRC LICENSE NO. SNM-33, dated January 14, 2000.
2. RIDER to Surety Bond No. 81565166, dated January 11, 2000.

AMENDMENT ONE  
TO  
STANDBY TRUST AGREEMENT  
NRC LICENSE NO. SNM-33

Recitals

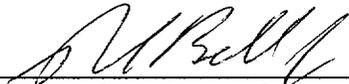
1. ABB Combustion Engineering Nuclear Power, Inc., a Delaware corporation, and Citibank, N.A., New York, NY 10043, have entered into a Standby Trust Agreement with respect to U. S. Nuclear Regulatory Commission License Number SNM-33.
2. Effective December 16, 1999, ABB Combustion Engineering Nuclear Power, Inc. changed its corporate name to ABB C-E Nuclear Power, Inc.
3. The parties desire to amend such Standby Trust Agreement to reflect such name change.

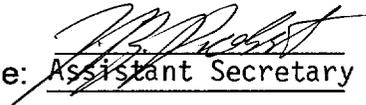
Agreement

A. The parties to said Standby Trust Agreement, in consideration of the recitals and agreements in this Amendment and in the Standby Trust Agreement, hereby amend the Standby Trust Agreement by replacing the name "ABB Combustion Engineering Nuclear Power, Inc." wherever it appears with the new name "ABB C-E Nuclear Power, Inc."

IN WITNESS WHEREOF the parties have caused this Agreement to be executed by the respective officers duly authorized and their corporate seals to be hereunto affixed and attested as of the date first written above.

ABB C-E NUCLEAR POWER, INC.

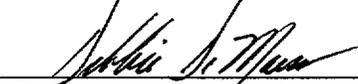
By:   
Title: Vice President & Secretary

ATTEST:   
Title: Assistant Secretary

SEAL

Date: January 11, 2000

CITIBANK, N.A.

By:   
Title: Assistant Vice President

ATTEST:   
Title: \_\_\_\_\_

SEAL

Date: January 14, 2000

**ACKNOWLEDGMENT OF ANNEXED INSTRUMENT**

**STATE OF NEW YORK**

**COUNTY OF NEW YORK**

On this 11th day of January, 2000 before me personally came Tracey D. Watson to me known who being by me duly sworn, did depose and say that he/she is an Attorney-in-Fact of the FEDERAL INSURANCE COMPANY and knows the corporate seal thereof; that the seal affixed to said annexed instrument is such corporate seal, and was thereto affixed by authority of the Power of Attorney of said Company, of which a Certified Copy is hereto attached, and that he/she signed said Instrument as an Attorney-in-Fact of said Company by like authority.

Acknowledge and Sworn to before me  
on the date above written

**ANA W. OLIVERAS**  
**NOTARY PUBLIC, State of New York**  
No. 03-4078178  
Qualified in Bronx County  
Commission Expires Jan. 14, 2001

  
Notary Public

ACKNOWLEDGEMENT

STATE OF NEW YORK

COUNTY OF MANHATTAN

CITY OF NEW YORK

On this 14 day of January, 2000, before me, a notary public in and for the city and state aforesaid, personally appeared Debbie DeMarco, and she/he did depose and say that she/he is the Asst. Vice President, of Citibank, N.A., Trustee, which executed the above instrument, that she/he knows the seal of said association; that the seal affixed to such instrument is such corporate seal; that it was so affixed by order of said trustee; and that she/he signed her/his name thereto by like order.



Notary Public  
PETER M. PAVLYSHIN  
Notary Public, State of New York  
No. 41-4991297  
Qualified in Queens County  
Certificate Filed in New York County  
Commission Expires January 27, 2000



# CHUBB GROUP OF INSURANCE COMPANIES

100 William Street, New York, New York 10038-4568

## FEDERAL INSURANCE COMPANY

RIDER to be attached to and form a part of  
Bond No. 81565166 wherein  
ABB Combustion Engineering Nuclear Power, Inc.  
is named as Principal, and FEDERAL  
INSURANCE COMPANY, as Surety, in favor of  
U.S. Nuclear Regulatory Commission  
in the amount of \$9,926,184.00  
effective June 15, 1999

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IT IS HEREBY STIPULATED AND AGREED THAT effective 01/11/2000 said  
bond is hereby amended as follows:

The principal's name has changed

**From:** ABB Combustion Engineering Nuclear Power, Inc.

**To:** ABB C-E Nuclear Power, Inc.

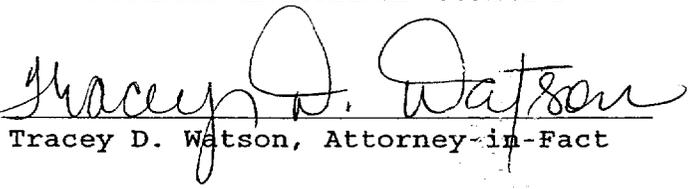
and that ABB C-E Nuclear Power, Inc. shall be held and firmly bound  
and hereby binds itself, its successors and assigns, as Principal, and  
FEDERAL INSURANCE COMPANY hereby binds itself, its successors and  
assigns, as Surety, in accordance with the terms, provisions and  
conditions of said bond as so amended.

IN WITNESS WHEREOF, the said Principal and said Surety have signed  
or caused this Rider to be duly signed and their respective seals to  
be hereunto affixed this 11th day of January 2000.

ABB C-E Nuclear Power, Inc.

By: 

FEDERAL INSURANCE COMPANY

By: 

Tracey D. Watson, Attorney-in-Fact



POWER OF ATTORNEY

Federal Insurance Company  
Vigilant Insurance Company  
Pacific Indemnity Company

Attn.: Surety Department  
15 Mountain View Road  
Warren, NJ 07059

v All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint James P. Holland, Ly R. Bratton, Migdalia Otero, Beverly A. Woolford, Jennifer Caldarella, Tracey D. Watson, Mary Ann Gonzales-Selman, Robyn Walsh, Paula Yip-Ying, Vincent Moy, Ana W. Oliveras, and Resa Giraldo, and Kimberly A. Bruno of New York, New York-----

as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and in their behalf as surety thereon or otherwise, bonds (other than bail bonds) and undertakings given or executed in the course of its business (but not including any instruments amending or altering the same, nor consents to the modification or alteration of any instrument referred to in said bonds or undertakings).

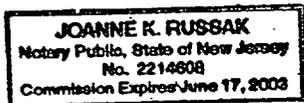
Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have executed and attested these presents and affixed their corporate seals on this 2nd day of August, 1999.

Kenneth C. Wendel  
Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson  
Frank E. Robertson, Vice President

NOTARY PUBLIC OF NEW JERSEY } ss.  
of Somerset

On this 2nd day of August, 1999, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the parties which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he is Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said By-Laws and in deponent's presence.



Joanne K. Russak  
Notary Public

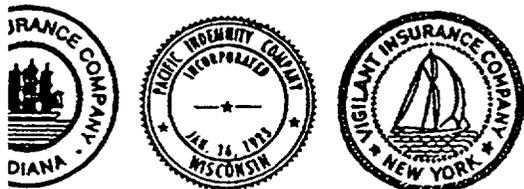
CERTIFICATION

from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY: powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

Kenneth C. Wendel, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

the foregoing extract of the By-Laws of the Companies is true and correct, the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and the foregoing Power of Attorney is true, correct and in full force and effect.

under my hand and seals of said Companies at Warren, NJ this 11TH day of JANUARY, 2000



Kenneth C. Wendel  
Kenneth C. Wendel, Assistant Secretary

IF YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

# FEDERAL INSURANCE COMPANY

## STATEMENT OF ASSETS, LIABILITIES AND SURPLUS TO POLICYHOLDERS

Summary Basis

DECEMBER 31, 1998

(in thousands of dollars)

ASSETS		LIABILITIES AND SURPLUS TO POLICYHOLDERS	
Cash.....	\$ 172,156	Outstanding Losses and Loss Expenses..	\$ 6,348,298
United States Government, State and Municipal Bonds .....	8,268,068	Unearned Premiums .....	1,603,751
Other Bonds.....	7,488,358	Provision for Reinsurance.....	61,851
Stocks.....	485,225	Other Liabilities .....	354,481
Short Term Investments.....	522,670	<b>TOTAL LIABILITIES .....</b>	<b>8,368,381</b>
Other Invested Assets.....	258,781		
<b>TOTAL INVESTMENTS .....</b>	<b>18,195,098</b>		
		Capital Stock.....	15,867
Investments in Affiliates:		Paid-in Surplus.....	278,850
Pacific Indemnity Company.....	545,748	Unassigned Funds.....	2,782,121
Vigant Insurance Company.....	218,067	Unrealized Appreciation of Investments .....	123,221
Great Northern Insurance Company.....	743,234	<b>SURPLUS TO POLICYHOLDERS .....</b>	<b>2,788,219</b>
Chubb Insurance Company of Europe.....	101,771		
CC Cosaca Holdings Ltd .....	94,786	<b>TOTAL LIABILITIES AND SURPLUS</b>	
Other Affiliates.....	102,226	<b>TO POLICYHOLDERS .....</b>	<b>\$ 11,386,701</b>
Net Premiums Receivable.....	541,838		
Other Assets.....	619,842		
<b>TOTAL ADMITTED ASSETS .....</b>	<b>\$ 11,386,701</b>		

Investments are valued in accordance with requirements of the National Association of Insurance Commissioners  
Investments valued at \$23,771 are deposited with government authorities as required by law.

State, County & City of New York - ss.

of the Federal Insurance Company

being duly sworn, deposes and says that the foregoing Statement of Assets, Liabilities and Surplus to Policyholders of said Federal Insurance Company on December 31, 1998 is true and correct and is the abstract of the Annual Statement of said Company as filed with the Secretary of the Treasury of the United States for the 12 months ending December 31, 1998.

Subscribed and sworn to before me  
this 11TH day of JANUARY, ~~1998~~ 2000.

*Elba Santiago*  
Notary Public

ELBA SANTIAGO  
Notary Public, State of New York  
No. D1SA4646450  
Qualified in Bronx County  
Commission Expires Jan. 31, 2000

*James Karlovich*

**Enclosure III to RA00/010**

**ABB C-E NUCLEAR POWER, INC.  
HEMATITE NUCLEAR FUEL MANUFACTURING FACILITY  
LICENSE APPLICATION  
LIST OF EFFECTIVE PAGES  
Date: 2/07/00**

ABB C-E Nuclear Power provides changes to the Hematite license application. The following is a comprehensive List of Effective Pages summarizing the latest applicable submittal dates for each page of the application.

<u>Pages</u>	<u>Revision</u>	<u>Date</u>	<u>Pages</u>	<u>Revision</u>	<u>Date</u>
<u>License Application Title Page</u>			2-10	3	2/07/00
			2-11	2	8/11/97
<u>Table of Contents</u>			2-12	1	8/08/97
i	1	2/07/00	2-13	1	8/08/97
through			2-14	2	8/08/97
xi					
			<u>Chapter 3</u>		
<u>Chapter 1</u>			3-1	3	2/07/00
			3-2	1	8/08/97
1-1	3	2/07/00	3-3	0	4/20/94
1-2	4	2/07/00	3-4	1	8/08/97
1-3	2	2/07/00	3-5	0	6/14/94
1-4	0	3/21/94	3-6	0	3/21/94
1-5	0	6/14/94	3-7	0	3/21/94
1-6	4	2/07/00	3-8	1	8/08/97
1-7	4	2/07/00	3-9	1	8/08/97
			3-10	0	6/14/94
<u>Chapter 2</u>			3-11	1	8/08/97
			3-12	0	3/21/94
2-1	2	8/08/97	3-13	0	3/21/94
2-2	2	8/08/97			
2-3	1	8/08/97	<u>Chapter 4</u>		
2-4	0	4/20/94			
2-5	2	8/08/97	4-1	5	2/07/00
2-6	2	2/07/00	4-2	3	7/10/98
2-7	2	8/08/97	through		
2-8	1	8/08/97	4-6		
2-9	1	8/08/97	4-7	4	12/6/99

<u>Pages</u>	<u>Revision</u>	<u>Date</u>	<u>Pages</u>	<u>Revision</u>	<u>Date</u>
4-7a	4	12/6/99	<u>Chapter 11</u>		
4-8	3	7/10/98	11-1	1	9/28/98
through 4-28			through 11-16		
<u>Chapter 5</u>			<u>Chapter 12</u>		
5-1	0	1/14/94	12-1	1	9/28/98
5-2	0	1/14/94	through		
5-3	1	8/08/97	12-8		
5-4	0	4/20/94			
<u>Chapter 6</u>			<u>Chapter 13</u>		
6-1	0	10/29/93	13-1	1	9/28/98
6-2	1	8/08/97	through		
6-3	0	10/29/93	13-21		
<u>Chapter 7</u>			<u>Chapter 14</u>		
7-1	4	2/07/00	14-1	1	9/28/98
<u>Chapter 8</u>			through 14-79		
8-1	3	2/07/00	<u>Chapter 15</u>		
<u>Chapter 9</u>			15-1	1	9/28/98
9-1	1	9/28/98	through		
through 9-12			15-84		
<u>Chapter 10</u>					
10-1	1	9/28/98			
through 10-14					