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APR 11 1980

Docket No. 50-339

Mr. J. H. Ferguson
Executive Vice President - Power
Operations
Virginia Electric and Power Company
P. O. Box 26666
Richmond, Virginia 23261

Dear Mr. Ferguson:

SUBJECT: NORTH ANNA POWER STATION, UNIT NO. 2 - ISSUANCE OF LICENSE NPF-7

The Nuclear Regulatory Commission (the Commission) has issued the enclosed License No. NPF-7 to the Virginia Electric and Power Company for the North Anna Power Station, Unit No. 2, located in Louisa County, Virginia. License No. NPF-7 authorizes fuel loading and low power testing.

Also enclosed is a copy of the Federal Register Notice of Issuance of License No. NPF-7, which has been forwarded to the Office of the Federal Register for publication. Two signed originals of Amendment No. 7 to Indemnity Agreement No. B-80 which covers the activities authorized under License No. NPF-7 are enclosed. Please sign and return one copy to this office.

Sincerely,

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D. F. Ross, Jr., Acting Director
Division of Project Management
Office of Nuclear Reactor Regulation

Enclosures:

- 1. License No. NPF-7
- 2. Federal Register Notice
- 3. Amendment 7 to Indemnity Agreement B-80

*(see tech specs 8005130178
& Appendix B - 8005130185)*

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April 11, 1980

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VIRGINIA ELECTRIC AND POWER COMPANY

DOCKET NO. 50-339

NORTH ANNA POWER STATION, UNIT NO. 2

LICENSE FOR FUEL LOADING AND LOW POWER TESTING

License No. NPF-7

1. The Nuclear Regulatory Commission (the Commission) having found that:
 - A. The application for license filed by the Virginia Electric and Power Company (the licensee) complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I and all required notifications to other agencies or bodies have been duly made;
 - B. Construction of the North Anna Power Station, Unit No. 2 (facility) has been substantially completed in conformity with Construction Permit No. CPPR-78 and the application, as amended, the provisions of the Act and the regulations of the Commission;
 - C. The facility requires an exemption from certain requirements of Appendix J to 10 CFR Part 50. This exemption is described in the Office of Nuclear Reactor Regulation's Safety Evaluation Report, Supplement No. 10. This exemption is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest. The exemption is, therefore, hereby granted. With the granting of this exemption, the facility will operate, to the extent authorized herein, in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission.
 - D. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission;
 - E. There is reasonable assurance: (i) that the activities authorized by this license can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the regulations of the Commission;

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- F. Virginia Electric and Power Company is technically and financially qualified to engage in the activities authorized by this license in accordance with the regulations of the Commission;
 - G. The Virginia Electric and Power Company has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements", of the Commission's regulations;
 - H. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public;
 - I. After weighing the environmental, economic, technical, and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of License No. NPF-7 subject to a condition for protection of the environment set forth herein is in accordance with 10 CFR Part 51, of the Commission's regulations and all applicable requirements have been satisfied; and
 - J. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Part 30, 40, and 70, including 10 CFR Sections 30.33, 40.32, 70.23 and 70.31.
2. Pursuant to approval by the Nuclear Regulatory Commission at a meeting on April , 1980 License No. NPF-7 is hereby issued to the Virginia Electric and Power Company to read as follows:
- A. This license applies to the North Anna Power Station, Unit No. 2, a pressurized water nuclear reactor and associated equipment (the facility), owned by the Virginia Electric and Power Company (VEPCO). The facility is located near Mineral in Louisa County, Virginia and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 17 through 68) and the Environmental Report as supplemented and amended (Supplements 1 through 4).
 - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses VEPCO:
 - (1) Pursuant to Section 103 of the Act and 10 CFR Part 50, to possess, use, and operate the facility at the designated location in Louisa County, Virginia, in accordance with the limitations set forth in this license;

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- (2) Pursuant to the Act and 10 CFR Part 70, to receive, possess and use at any time special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, as described in the Final Safety Analysis Report, as supplemented and amended;
- (3) Pursuant to the Act and 10 CFR Parts 30, 40 and 70 to receive, possess and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;
- (4) Pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components;
- (5) Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

C. VEPCO is authorized to perform steam generator moisture carryover studies at the North Anna Power Station. These studies involve the use of an aqueous tracer solution of two (2) curies of sodium-24. VEPCO's personnel will be in charge of conducting these studies and be knowledgeable in the procedures. VEPCO will impose personnel exposure limits, posting, and survey requirements in conformance with those in 10 CFR Part 20 to minimize personnel exposure and contamination during the studies. Radiological controls will be established in the areas of the chemical feed, feedwater, steam, condensate and sampling systems where the presence of the radioactive tracer is expected to warrant such controls. VEPCO will take special precautions to minimize radiation exposure and contamination during both the handling of the radioactive tracer prior to injection and the taking of system samples following injection of the tracer. VEPCO will insure that all regulatory requirements for liquid discharge are met during disposal of all sampling effluents and when reestablishing continuous blowdown from the steam generators after completion of the studies.

D. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; and is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

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(1) Maximum Power Level

VEPCO is authorized to (a) load fuel, (b) proceed to initial criticality, (c) perform startup testing at zero power in Operational Mode 2, and (d) after prior written approval by the Director of Nuclear Reactor Regulation, operate the facility for testing at reactor core power levels not in excess of 139 megawatts thermal (five percent of rated power).

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B attached hereto are hereby incorporated into this license. VEPCO shall operate the facility in accordance with the Technical Specifications.

(3) Secondary Water Chemistry

VEPCO shall perform a secondary water chemistry program to inhibit steam generator tube degradation. This program shall include:

- a. Identification of a sampling schedule for the critical parameters and control points for these parameters;
- b. Identification of the procedures used to quantify parameters that are critical to control points;
- c. Identification of process sampling points;
- d. Procedure for the recording and management of data;
- e. Procedures defining corrective actions for off control point chemistry conditions; and
- f. A procedure identifying the authority responsible for the data and the sequence and timing of administrative events required to initiate corrective action.
- g. Monitor the condensate at the effluent on the condensate pump. When condenser leakage is confirmed repair or plug the leak in accordance with Branch Technical Position MTEB 5-3.

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(4) Initial Test Program

VEPCO shall conduct the post-fuel-loading initial test program (set forth in Section 14 of the Final Safety Analysis Report and its amendments) that has been reviewed and approved by the Commission at the time of issuance of this license without making any major modification of this program. Major modifications are deemed to involve unreviewed safety questions under 10 CFR Section 50.59 and are defined as:

- a. Elimination of any test identified in Section 14 of the Final Safety Analysis Report as essential.
- b. Modification of test objectives, methods or acceptance criteria for any test identified in Section 14 of the Final Safety Analysis Report as essential.
- c. Performance of any test at a power level different from there described.
- d. Failure to complete any tests included in the described program (planned or scheduled for power levels up to the authorized power level).

(5) Fuel Load and Zero Power (i.e., power required to perform physics testing) Testing Conditions

The following conditions shall be completed to the satisfaction of the Commission. Unless otherwise noted, these conditions shall be completed prior to fuel loading. The following conditions are related to matters specified in the TMI Action Plan, Near Term Operating License (NTOL) Requirements, dated February 6, 1980, and applicable to fuel load and zero power testing. Each of the following conditions references the appropriate section of Part II of Supplement No. 10 to the Safety Evaluation Report (NUREG-0053 Suppl. No. 10) for the North Anna Power Station, Unit 2 and follows the numbering sequence utilized in the February 6, 1980 NTOL Requirements list.

a. Shift Technical Advisor (I.A.1.1)

VEPCO shall provide on each shift a Shift Technical Advisor (STA) whose principal duty shall be to act as an advisor to the shift supervisor primarily in assessing accident/transient occurrences.

During 1980, at least one Senior Reactor Operator (SRO) or an experienced degreed engineer who is a member of the site Safety Engineering Staff shall be designated as the Shift Technical Advisor.

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The STA shall interface with the Safety Engineering Staff whose function is to perform operating experience assessments, for the purpose of disseminating operating experience to the other members of the plant staff.

At no time shall the SRO/STA, who is under the functional supervision of the Shift Supervisor, assume command or control function nor function as the Shift Supervisor or Assistant Supervisor.

b. Shift Supervisor Duties (I.A.1.2) and Shift Personnel Responsibilities (I.C.3)

VEPCO shall issue a management directive, signed by the highest level of corporate management, which emphasizes the assignment of primary management responsibility to the Shift Supervisor. This directive shall be reissued on an annual basis.

The responsibility of the Shift Supervisor shall be that defined in VEPCO Administrative Procedure ADM-1.0, "Station Organization and Responsibility."

The shift supervisor shall remain in the control room at all times when either unit is operating in Modes 1, 2, 3 or 4, except that he may be allowed to be absent provided an individual, other than the shift technical advisor, who possesses a valid SRO license assumes the control room command function during his absence. The individual who assumes the control room command function must remain in the control room until the shift supervisor returns and reassumes the command function.

The shift supervisor shall only be relieved by an individual who possesses a valid SRO license. Individuals who do not possess a valid SRO license, including members of station management, shall not relieve the shift supervisor, nor shall they direct the licensed activities of licensed operators.

c. Shift Manning (I.A.1.3)

The shift crew composition for the operation of North Anna, Unit 2, in conjunction with Unit 1 shall be in accordance with Table 6.2.1 of the Technical Specifications. An additional requirement is that one senior licensed operator, licensed on North Anna, Unit 2 shall be stationed in the Unit 2 control room at all times during Unit 2 operation in Modes 1 through 4.

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VEPCO shall have administrative procedures to assure that qualified individuals to man the operational shifts are readily available in the event of an abnormal or emergency situation. These administrative procedures shall include provisions which limit the amount of overtime worked by licensed operators.

The need for a licensed operator to exceed the limits on overtime shall be infrequent. The limits on overtime work hours are:

- (1) An individual should not be permitted to work more than 12 hours straight (not including shift turnover time).
- (2) There should be at least a 12-hour break between all work periods (shift turnover time is included in this 12-hour break).
- (3) An individual should not work more than 72 hours in any 7-day period.
- (4) An individual should not work more than 14 consecutive days without having 2 consecutive days off.

However, for those circumstances which arise requiring deviation from the above, such deviation may be authorized by the plant manager or high levels of the VEPCO management in accordance with established procedures and with appropriate documentation of the cause.

d. Revised Scope and Criteria for Licensing Examinations (I.A.3.1)

VEPCO shall train all shift personnel (licensed and non-licensed) at North Anna Power Station, Units 1 and 2 in all the TMI related design changes which have been incorporated in the station.

e. Organization and Management Criteria (I.B.1.1)

With respect to offsite technical support to the plant staff in the event of an emergency, VEPCO shall develop procedures delineating the responsibility and authority of corporate office personnel in providing technical support.

The shift supervisor for Unit 2 shall report to an individual holding a senior operator license on Unit 2 (as required by Technical Specification 6.2) at all times during Unit 2 operation in Modes 1 through 6.

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f. Safety Engineering Group and Onsite Evaluation Capability, and Dissemination of Operating Experience I.B.1.2 (I.B.1.4 and I.C.5)

VEPCO shall establish an on-site Safety Engineering Staff which shall be technically responsible to off-site management. The plant Safety Engineering Staff shall combine the review functions of engineering assessment, evaluation and dissemination of plant operating experience, and functions of the Shift Technical Advisor. The group shall consist of at least seven engineers, four of whom shall be designated Shift Technical Advisor. The group shall functionally report to the station Superintendent of Technical Services and technically offsite to the Director, Safety Evaluation and Control.

The plant Safety Engineering Staff is required to function only on the day shift, Monday through Friday. The technical disciplines represented in the group shall be electrical, mechanical, radiation protection and nuclear. The duties and responsibilities of this group shall be as follows:

1. Be cognizant of the scope and intent of the test program
2. Be cognizant of the tests being conducted
3. Be familiar with the operation of a pressurized water type reactor
4. Provide daily status reports to the Director, Safety Evaluation and Control at the corporate office.

VEPCO shall establish an onsite capability to evaluate operating history of North Anna Unit 2, in conjunction with that of North Anna Unit 1, and also plants of similar design.

g. Shift Relief and Turnover Procedures (I.C.2)

VEPCO shall implement the shift and relief turnover procedures in accordance with VEPCO Administrative Procedure ADM-29.3-- "Conduct of Operations."

VEPCO shall establish a system to evaluate the effectiveness of the turnover procedures.

h. Control Room Access (I.C.4)

VEPCO shall implement control room access procedures in accordance with ADM-6.0, "Control Room Access."

i. Degraded Core - Training (II.B.4)

VEPCO shall initiate preparation of a program to ensure that all operating personnel are trained in the use of installed plant systems to control or mitigate an accident in which the core is severely damaged. The training program shall include the following topics:

Incore Instrumentation

1. Use of fixed or movable incore detectors to determine extent of core damage and geometry changes.
2. Use of thermocouples in determining peak temperatures; methods for extended range readings; methods for direct readings at terminal junctions.

Excore Nuclear Instrumentation (NIS)

1. Use of NIS for determination of void formation; void location basis for NIS response as a function of core temperatures and density changes.

Vital Instrumentation

1. Instrumentation response in an accident environment; failure sequence (time to failure, method of failure); indication reliability (actual vs. indicated level).
2. Alternative methods for measuring flows, pressures, levels, and temperatures.
 - a. Determination of pressurizer level if all level transmitters fail.
 - b. Determination of letdown flow with a clogged filter (low flow).
 - c. Determination of other Reactor Coolant System parameters if the primary method of measurement has failed.

Primary Chemistry

1. Expected chemistry results with severe core damage; consequences of transferring small quantities of liquid outside containment; importance of using leak tight systems.
2. Expected isotopic breakdown for core damage; for clad damage.

OFFICE ▶						
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3. Corrosion effects of extended immersion in primary water; time to failure.

Radiation Monitoring

1. Response of Process and Area Monitors to severe damages; behavior of detectors when saturated; method for detecting radiation readings by direct measurement at detector output (overranged detector); expected accuracy of detectors at different locations; use of detectors to determine extent of core damage.
2. Methods of determining dose rate inside containment from measurements taken outside containment.

Gas Generation

1. Methods of H₂ generation during an accident; other sources of gas (Xe, Kr); techniques for venting or disposal of noncondensibles.
2. H₂ flammability and explosive limit; sources of O₂ in containment or Reactor Coolant System.

j. Relief and Safety Valve Test (II.D.2)

VEPCO shall carry out a testing program to qualify the relief and safety valves under expected operating conditions for design basis transients and accidents in accordance with the requirements and schedule provided in NUREG-0578, Section 2.1.2, as clarified in NRC letter to operating license applicants dated November 9, 1979.

k. Relief and Safety Valve Position (II.D.5)

VEPCO shall provide reactor system relief and safety valves with a positive indication in the control room derived from a reliable valve position detection device or a reliable indication of flow in the discharge pipe. The indication shall comply with the requirements contained in NUREG-0578, Section 2.1.3.a, as clarified in NRC letter to operating license applicants dated November 9, 1979. Installation and calibration of control room indicators shall be completed prior to operation in Mode 2.

l. Auxiliary Feedwater Initiation and Indication (II.E.1.2)

VEPCO shall provide for automatic initiation of the auxiliary feedwater system and shall provide for indication, in the control room, of auxiliary feedwater flow to each steam generator. These requirements shall comply with NUREG-0578, Sections 2.1.7.a and 2.1.7.b, as clarified in NRC letter to operating license applicants dated November 9, 1979.

m. Inadequate Core Cooling - Subcooling Meter (II.F.2)

VEPCO shall provide a subcooling meter to provide on-line indication of coolant saturation condition. The meter shall comply with the requirements of NUREG-0578, Section 2.1.3.b, as clarified in NRC letter to operating license applicants dated November 9, 1979.

n. Inadequate Core Cooling - Additional Instrumentation (II.F.2)

VEPCO shall provide a design of additional instruments to provide an unambiguous indication of inadequate core cooling. This requirement shall comply with NUREG-0578, Section 2.1.3.b, as clarified in NRC letter to operating license applicants dated November 9, 1979.

o. Emergency Power for Pressurizer Equipment (II.G)

VEPCO shall provide emergency power for the power-operated relief valves (PORVs), the PORV block valves and pressurizer level instrument channels. This requirement shall comply with NUREG-0578, Section 2.1.1, sub-section 3.2, as clarified in NRC letter to operating license applicants dated November 9, 1979. Calibration and checkout will be completed prior to operation in Mode 2.

p. IE Bulletins on Measures to Mitigate Small Break LOCAs and Loss of Feedwater Accidents (II.K.1)

VEPCO shall review the operating procedures and training instructions requested by Item 7(a) of IE Bulletin 79-06A. This review should ensure that operators have been instructed not to override automatic operations of the engineered safety features, unless their continued operation would result in unsafe plant conditions, or until the plant is clearly in a stable, controlled state, and engineered safeguards are no longer required.

q. Improve Licensee Facilities for Responding to Emergencies - Onsite Technical Support Center (III.A.1.2(a))

VEPCO shall establish a technical support center to meet the January 1, 1980 requirements of NUREG-0578, Section 2.2.2.b, as clarified by NRC letter to operating license applicants dated November 9, 1979.

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r. Improve Licensee Facilities for Responding to Emergencies - Onsite Operational Support Center (III.A.1.2(b))

VEPCO shall provide an onsite operational support center to meet the requirements of NUREG-0578, Section 2.2.2.c, as clarified by NRC letter to operating license applicants dated November 9, 1979.

s. Emergency Preparedness of State and Local Governments - Near-Term Actions (III.B and III.B.1)

During the period of this license, VEPCO shall maintain in effect an emergency plan that meets:

- (1) Regulatory requirements of 10 CFR Part 50, Appendix E
- (2) Regulatory Position Statement in Regulatory Guide 1.101 (March 1977)
- (3) The Essential Planning Elements in NUREG-75/111 and Supplement 1 thereto defined by NRR as significant for fuel load and low power testing.

t. In-Plant Radiation Monitoring - Partial (III.O.3.3)

VEPCO shall provide equipment and associated training and procedures for accurately determining the airborne iodine concentration throughout the plant under accident conditions.

u. Communications (III.A.3.3)

VEPCO shall install and maintain direct dedicated telephone lines between the North Anna plant control room, Site Technical Support Center and NRC Incident Response Center in Bethesda, Maryland.

v. Control Room Design (IV Item 1)

Prior to operation in Mode 2, VEPCO shall implement the following corrective actions related to the control room:

- (1) Significantly improve labeling and instrumentation and control demarcation
- (2) Color code annunciator windows as an aid in identifying high priority alarms
- (3) Review, and improve where necessary, administrative controls used to ensure proper safety injection status

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- (4) Correct problems associated with general maintenance and implement measures to prevent their recurrence
- (5) Institute controls to limit control room access
- (6) Test the adequacy of emergency lighting.
- (7) Establish procedures to limit use of the public address system to plant related matters and take corrective action to reduce sound intensity in the control room.

(6) Conditions on Operations Beyond Zero Power Testing

The following conditions shall be completed to the satisfaction of the Commission prior to proceeding beyond zero power testing. The following conditions are related to matters specified in the TMI Action Plan, Near Term Operating License (NTOL) Requirements dated February 6, 1980, and applicable to operation beyond zero power testing. Each of the following conditions references the appropriate section of Part II of Supplement No. 10 to the Safety Evaluation Report (NUREG-0053 Suppl. No. 10) for the North Anna Power Station, Units 1 and 2 and follows the numbering sequence utilized in the February 6, 1980 NTOL Requirements list.

a. Short-Term Effort-Analysis and Procedure Modifications (I.C.1)

VEPCO shall revise its emergency operating instructions for dealing with small break LOCAs and inadequate core cooling based on its analysis of these events and the vendor guidelines derived from these analyses. These requirements supersede the requirements specified in Item 7(b) of IE Bulletin 79-06A.

b. NSSS Vendor Review of Low Power Test Procedures (I.C.7)

VEPCO's low power test procedures shall be reviewed by the nuclear steam supply system vendor, Westinghouse, and documentation of the review submitted to NRC.

c. Low Power Test Program (I.G.1)

As set forth in Section I.G.1, VEPCO shall obtain staff approval of a low power test program.

d. Additional Accident Monitoring Instrumentation (II.F.1)

VEPCO shall comply with the requirements contained in NUREG-0578, Section 2.1.8.b as clarified in NRC letter to operating license applicants dated November 9, 1979.

(7) Battery Room Ventilation System

Within 90 days from date of issuance of this license, VEPCO shall provide for Commission review an evaluation and assessment

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of the industrial and safety hazards associated with the battery room ventilation system which exhausts air into one end of the control room. Proposed corrective actions including design modifications, if any, and an implementation schedule shall be included in this evaluation.

- E. VEPCO shall report any violations of the requirements contained in Sections 2.D.(5) and (6) of this license in accordance with the prompt reporting requirements of Section 6.9.1.8 of Appendix A, which is attached to and is a part of this license.
- F. VEPCO shall maintain and fully implement the physical security plan entitled, "Security Program, North Anna Power Station, Units 1 and 2," dated May 25, 1977, as amended, November 30, 1977, and revised September 25, 1978, October 25, 1978, January 12, 1979, March 23, 1979, April 30, 1979, and December 1, 1979, and as amended in accordance with the provisions of 10 CFR 50.54(p).

Pursuant to 10 CFR Section 2.790(d), the security plan is being withheld from public disclosure because it is deemed to be commercial or financial information within the meaning of 10 CFR Section 9.5(a)(4) and subject to disclosure only in accordance with 10 CFR Section 9.12.

- G. This license is subject to the following additional condition for the protection of the environment:

Before engaging in additional construction or operational activities which may result in an environmental impact that was not evaluated by the Commission, the licensee will prepare and record an environmental evaluation of such activity. When the evaluation indicates that such activity may result in a significant adverse environmental impact that was not evaluated, or that is significantly greater than that evaluated, in the Final Environmental Statement or any addendum thereto, VEPCO shall provide a written evaluation of such activities and obtain prior approval from the Director, Office of Nuclear Reactor Regulation.

- H. If VEPCO plans to remove or to make significant changes in the normal operation of equipment that controls the amount of radioactivity in effluents from the North Anna Power Station, the Staff should be notified in writing regardless of whether the change affects the amount of radioactivity in the effluents.

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I. This license is effective as of the date of issuance and shall expire one year after that date.

FOR THE NUCLEAR REGULATORY COMMISSION

Signed By:
E.G. Case

for

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Attachment:
Appendices A and B Technical
Specifications

Date of Issuance: APR 11 1980

*SEE PREVIOUS YELLOW FOR CONCURRENCE

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OFFICE	LWR:DPM	AAB:LWR:DPM	ADD:DPM	DPM	NRR	NRR
SURNAME	ADYmerick/LM	SAVarga	DBVassallo	DFross	EGCase	HRDenton
DATE	4/10 /80	/ /80	4/10 /80	4/ /80	4/11 /80	4/11 /80

of the industrial and safety hazards associated with the battery room ventilation system which exhausts air into one end of the control room. Proposed corrective actions including design modifications, if any, and an implementation schedule shall be included in this evaluation.

- E. VEPCO shall report any violations of the requirements contained in Sections 2.D.(5) and (6) of this license in accordance with the prompt reporting requirements of Section 6.9.1.8 of Appendix A, which is attached to and is a part of this license.
- F. VEPCO shall maintain and fully implement the physical security plan entitled, "Security Program, North Anna Power Station, Units 1 and 2," dated May 25, 1977, as amended, November 30, 1977, and revised September 25, 1978, October 25, 1978, January 12, 1979, March 23, 1979, April 30, 1979, and December 1, 1979, and as amended in accordance with the provisions of 10 CFR 50.54(p).

Pursuant to 10 CFR Section 2.790(d), the security plan is being withheld from public disclosure because it is deemed to be commercial or financial information within the meaning of 10 CFR Section 9.5(a)(4) and subject to disclosure only in accordance with 10 CFR Section 9.12.

- G. This license is subject to the following additional condition for the protection of the environment:

Before engaging in additional construction or operational activities which may result in an environmental impact that was not evaluated by the Commission, the licensee will prepare and record an environmental evaluation of such activity. When the evaluation indicates that such activity may result in a significant adverse environmental impact that was not evaluated, or that is significantly greater than that evaluated, in the Final Environmental Statement or any addendum thereto, VEPCO shall provide a written evaluation of such activities and obtain prior approval from the Director, Office of Nuclear Reactor Regulation.

- H. This license is effective as of the date of issuance and shall expire one year after that date.

FOR THE NUCLEAR REGULATORY COMMISSION

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Attachment:

Appendices A and B Technical Specifications

See previous yellow for concurrences.

LWR:DPM MRushbrook 4/ /80	LWR:DPM ODParr 4/ /80	AIG JSaltzman 4/ /80	DSE 4/ /80	OELD 4/ /80
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Date of Issuance:

OFFICE	LWR:DPM	LWR:DPM	DPM	DPM	NRR	NRR
SURNAME	ADromerick/LM	SAVarga	DBVassallo	DFRoss	EGCase	HRDenton
DATE	4/ /80	4/ /80	4/ /80	4/ /80	4/ /80	4/ /80

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UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-339

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION, UNIT NO. 2

NOTICE OF ISSUANCE OF LICENSE NO. NPF-7

Notice is hereby given that the Nuclear Regulatory Commission (the Commission) has issued License No. NPF-7 to the Virginia Electric and Power Company authorizing fuel loading and low power testing of the North Anna Power Station, Unit No. 2. North Anna Power Station, Unit No. 2 is a pressurized water reactor located near Mineral in Louisa County, Virginia.

The Commission has made appropriate findings as required by the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations in 10 CFR Chapter I, which are set forth in the license. The application for the license complies with the standards and requirements of the Act and the Commission's regulations.

The license is effective as of its date of issuance and shall expire one year after that date, unless extended for good cause shown, or upon earlier issuance or denial of a subsequent licensing action.

A copy of: (1) Authorization No. NPF-7, complete with Technical Specifications; (2) The report of the Advisory Committee on Reactor Safeguards, dated January 17, 1977; (3) The Office of Nuclear Reactor Regulation's Safety Evaluation Report, dated June 4, 1976, and Supplements 1 through 10; (4) the Final Safety Analysis Report and amendments thereto; (5) the Final Environmental Statement, dated April 1973; and Addendum and Errata thereto, dated November 1976 (NUREG-0134) are available for public inspection at the

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DATE ▶

Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the local public document rooms in the Alderman Library, Manuscripts Department, University of Virginia, Charlottesville, Virginia 22901 and Board of Supervisors, Louisa County Courthouse, P. O. Box 27, Louisa, Virginia 23093.

A copy of the license and the Safety Evaluation Report and Supplements 1 through 10 may be obtained upon request addressed to the United States Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Project Management.

Dated at Bethesda, Maryland this ^{11th} day of *April* 1980.

FOR THE NUCLEAR REGULATORY COMMISSION

151
Olan D. Parr, Chief
Light Water Reactors Branch No. 3
Division of Project Management

OFFICE ▶	DPM:LWR #3	DPM:LWR #3	OELD	DPM:LWR #3	
SURNAME ▶	MROok:ab	ADromerick	DSIMANSON	ODParr	
DATE ▶	3/1/80	4/3/80	4/1/80	4/1/80	

Distributionw/Tech Specs.

NRC PDR
LPDR (2)
D. Swanson, OELD
OELD
I&E(5)
M. Jinks, ADM (w/4 encl.)
B. Scharf, ADM (10 copies)
W. Pasciak, DOR (Appendix B only)
A. Schwencer, DOR

bcc: ACRS(16)
NSIC
TIC
ASLAB
ASLBP

w/o Tech Specs.

D. Ross
D. B. Vassallo
O. Parr
A. Dromerick
M. Rushbrook
F. J. Williams
Lana Cobb, I&E
D. Biddle, MPA
R. Diggs, ADM
V. A. Moore, DSE
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M. Ernst, DSE
R. Denise, DSE
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P. Leech, DSE
M. Duncan, DSE
H. Bristow, NMSS
S. Duncan, NMSS
D. Eisenhut
B. Grimes
E. Hughes



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Docket Nos. 50-338
50-339

AMENDMENT TO INDEMNITY AGREEMENT NO. B-80

AMENDMENT NO. 7

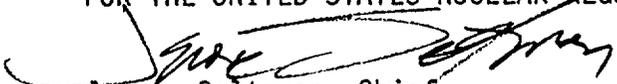
Effective APR 11 1980, Indemnity Agreement No. B-80, between Virginia Electric and Power Company and the Nuclear Regulatory Commission, dated April 16, 1976, as amended, is hereby further amended as follows:

Item 3 of the Attachment to the indemnity agreement is deleted in its entirety and the following substituted therefor:

Item 3 License number or numbers

- SNM-1600 (From 12:01 a.m., April 16, 1976, to 12 midnight, November 25, 1977, inclusive)
- NPF-4 (From 12:01 a.m., November 26, 1977)
- SNM-1801 (From 12:01 a.m., February 22, 1978, to 12 midnight, APR 10 1980 inclusive)
- NPF-7 (From 12:01 a.m., APR 11 1980)

FOR THE UNITED STATES NUCLEAR REGULATORY COMMISSION


Jerome Saltzman, Chief
Antitrust and Indemnity Group
Office of Nuclear Reactor Regulation

Accepted _____, 1980

By _____
VIRGINIA ELECTRIC AND POWER COMPANY