

DOCKET FILE

Distribution:
 AEC PDR D. Muller
 Local PDR Ellen Brown (OL)
 Docket File B. Scharf
 LWR 2-1 File (50
 Attorney, OGC
 RO (3)
 N. Dube w/o Tech Specs.)
 M. Jinks (2)
 V. A. Moore
 C. Hebron, F&M (OL only)
 D. Foster, F&M (OL only)
 A. Braitman, OAI (w/o Tech Specs)
 S. Burwell
 S. Kari (w/o Tech Specs)
 W. Miller, DR:AO (w/o Tech Specs)
 A. Lyle
 LWR 2 Branch Chiefs (w/o TS)
 ACRS (16) H. Gearin

Docket No. 50-321

AUG 6 1974

Georgia Power Company
 ATTN: Mr. I. S. Mitchell, III
 Vice President & Secretary
 P. O. Box 4545
 Atlanta, Georgia 30302

Gentlemen:

The Atomic Energy Commission has issued Facility Operating License No. DPR-57 to the Georgia Power Company. The license authorizes the operation of the Edwin I. Hatch Nuclear Plant Unit 1 at reactor core power levels not in excess of 24 megawatts thermal in accordance with the Technical Specifications appended thereto. The activities authorized under the license are temporarily limited to fuel loading, low power testing, and operation at 1% of the facility's power level of 2436 megawatts thermal until a number of remaining items set forth in the Technical Specifications have been satisfactorily completed.

The license, complete with Technical Specifications, and a copy of a related notice, which has been forwarded to the Office of the Federal Register for publication, are enclosed.

Two signed copies of Amendment No. 2 to Indemnity Agreement No. B-69, which covers the activities authorized under License No. DPR-57, are enclosed for your review and acceptance. Please sign and return one copy to this office.

Sincerely,

Original signed by
 Voss A. Moore

Voss A. Moore, Assistant Director
 for Light Water Reactors, Group 2
 Directorate of Licensing

Enclosures:

1. License No. DPR-57, with Technical Specifications
2. Federal Register Notice
3. Amendment No. 2 to Indemnity Agreement No. B-69 (2)

L:OAI
 ABraitman
 8/5/74

cc: (see next page)

OFFICE	L:LWR 2-1	L:LWR 2-1	L:LWR 2-1	OGC	L:LWR 2	L:AD/EP
SURNAME	SBurwell:ew	HGearin	JFStolz	SH Lewis	VAMoore	DMuller
DATE	8/2/74	8/2/74	8/1/74	8/5/74	8/5/74	8/5/74

Georgia Power Company

AUG 6 1974

cc: Mr. Ruble A. Thomas
Vice President
Southern Services, Inc.
300 Office Park
Birmingham, Alabama 35202

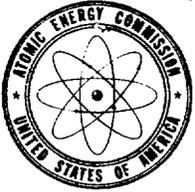
George F. Trowbridge, Esq.
Shaw, Pittman, Potts & Trowbridge
910 Seventeenth Street
Washington, D. C. 20006

Mr. Harry Majors
Southern Services, Inc.
300 Office Park
Birmingham, Alabama 35202

Mrs. Fleets Taylor, Librarian
Appling County Public Library
Parker Street
Baxley, Georgia 31513
Mr. John Robins
Office of Planning and Budget
Room 615-C
270 Washington Street, S. W.
Atlanta, Georgia 30334

Mr. G. Wyman Lamb, Chairman
Appling County Commissioners
County Courthouse
Baxley, Georgia 31513

bcc: J. R. Buchanan, ORNL
Thomas B. Abernathy, DTIE
A. Rosenthal, ASLAB
N. H. Goodrich, ASLBP



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

GEORGIA POWER COMPANY

DOCKET NO. 50-321

(Edwin I. Hatch Nuclear Plant Unit 1)

FACILITY OPERATING LICENSE

License No. DPR-57

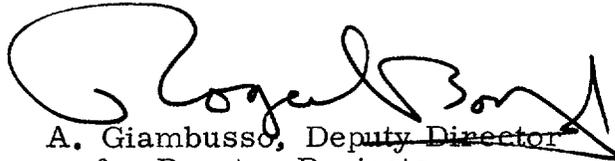
1. The Atomic Energy Commission (the Commission) having found that:
 - A. The application for license filed by the Georgia Power Company (the licensee) complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I and all required notifications to other agencies or bodies have been duly made;
 - B. Construction of the Edwin I. Hatch Nuclear Plant Unit 1 (facility) has been substantially completed in conformity with Construction Permit No. CPPR-65 and the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
 - D. There is reasonable assurance: (i) that the activities authorized by this operating 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 rules and regulations of the Commission;
 - E. The licensee is technically and financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;

- F. The licensee has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
 - G. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public;
 - H. After weighing the environmental, economic, technical, and other benefits of the facility against environmental costs and considering available alternatives, the issuance of Facility Operating License No. DPR-57 is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D have been satisfied; and
 - I. 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 Parts 30, 40, and 70, including 10 CFR Sections 30.33, 40.32, 70.23 and 70.31.
2. Facility Operating License No. DPR-57 is hereby issued to the Georgia Power Company to read as follows:
- A. This license applies to the Edwin I. Hatch Nuclear Plant Unit 1, a direct cycle boiling water reactor and associated equipment (the facility), owned by the Georgia Power Company. The facility is located eleven miles north of Baxley in Appling County, Georgia, and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 9 through 46) and the Environmental Report as supplemented and amended (Supplement 1 and Amendment 1).
 - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses the Georgia Power Company:
 - (1) Pursuant to Section 104b of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the facility at the designated location in Appling County, Georgia, in accordance with the procedures and limitations set forth in this license;

- (2) 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 reactor fuel, sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required for reactor operation;
 - (3) Pursuant to the Act and 10 CFR Part 30 to receive, possess and use at any time 100 millicuries each of any byproduct material without restriction to chemical or physical form, for sample analysis or instrument calibration;
 - (4) Pursuant to the Act and 10 CFR Parts 40 and 70 to receive, possess and use at any time 100 milligrams each of any source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration;
 - (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. 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; 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:
- (1) Maximum Power Level
The licensee is authorized to operate the facility at reactor core power levels not in excess of 24 megawatts thermal (1% of the facility's rated power level of 2436 megawatts thermal).
 - (2) Technical Specifications
The Technical Specifications contained in Appendices A & B attached hereto are hereby incorporated in this license. The licensee shall operate the facility in accordance with the Technical Specifications.

- D. This license is effective as of the date of issuance and shall expire at midnight, September 30, 2009.

FOR THE ATOMIC ENERGY COMMISSION

A handwritten signature in black ink, appearing to read 'A. Giambusso', is written over the typed name.

A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Attachment:
Appendices A & B - Technical Specifications

Date of Issuance: AUG 6 1974



UNITED STATES
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

August 6, 1974

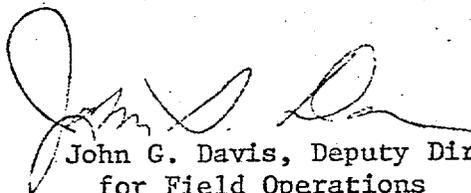
A. Giambusso, Deputy Director for Reactor Projects
Directorate of Licensing

GEORGIA POWER COMPANY (HATCH 1) - DOCKET 50-321
STATUS OF CONSTRUCTION COMPLETION

We have been informed by our Region II office that, based on the results of their inspection efforts, construction of the subject facility has been substantially completed in accordance with the application as amended, the provisions of the Act, and the rules and regulations of the Commission. Also, RO has inspected implementation of the Operational Quality Assurance Program and found it acceptable.

We have been informed that GPC has committed to DL by letter dated July 23, 1974, to satisfactorily complete or otherwise resolve three outstanding items prior to full power operation. We understand that DL will require GPC to complete these three items (list enclosed) prior to exceeding one percent of rated power. RO will verify completion or resolution of the listed items prior to exceeding one percent of rated power.

This memorandum supersedes my memorandum on this subject dated August 2, 1974.



John G. Davis, Deputy Director
for Field Operations

Directorate of Regulatory Operations

Enclosure:

Items Requiring Completion or
Resolution Prior to Exceeding
One Percent of Rated Power

cc: V. A. Moore, L
J. Stolz, L
~~S. Burwell, L~~
N. C. Moseley, RO:II

Enclosure

HATCH-1

Items Requiring Completion or Resolution Prior to
Exceeding One Percent of Rated Power

1. Completion of Installation of Seismic Restraints on Piping.
2. Complete preoperational testing of the following:
 - (a) Process liquid radiation monitors
 - (b) Main stack radiation monitors
 - (c) Leak detection system
 - (d) Air ejector off gas system
 - (e) Off gas monitor
 - (f) Radwaste ventilation system
 - (g) Turbine building ventilation system
 - (h) Radwaste system
 - (i) Main steam radiation monitors
 - (j) Condensate system
 - (k) Feedwater system
3. Install Main Steam Safety Valves (the primary coolant system to be vented to the atmosphere prior to installation of the main steam safety valves).

AEC ISSUES INITIAL OPERATING LICENSE FOR UNIT 1
OF EDWIN I. HATCH NUCLEAR PLANT IN GEORGIA

A low power operating license for Unit 1 of the Edwin I. Hatch Nuclear Plant in Appling County, Georgia, was issued on _____ to Georgia Power Company by the Atomic Energy Commission's Directorate of Licensing.

Activities permitted under the license include fuel loading, low power testing and operation at one percent of full power. No electricity will be produced at this level.

Before the license was issued, the facility was inspected by AEC representatives to assure that it was satisfactorily completed to permit fuel loading and operation at low power.

Unit 1 uses a boiling water reactor and at full power will have an electrical capacity of about 786 megawatts. The facility is located on the south side of the Altamaha River, about 11 miles north of Baxley and 70 miles west of Savannah. Unit 2, of similar size and type, has been under construction at the site since December 1972.

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-321

GEORGIA POWER COMPANY
(Edwin I. Hatch Nuclear Plant Unit 1)

NOTICE OF ISSUANCE OF A FACILITY OPERATING LICENSE

Notice is hereby given that the Atomic Energy Commission (the Commission) has issued Facility Operating License No. DPR-57 to the Georgia Power Company authorizing operation of the Edwin I. Hatch Nuclear Plant Unit 1 at reactor core power levels not in excess of 24 megawatts thermal (1% of the facility's rated power level of 2436 megawatts thermal), in accordance with the provisions of the license and the Technical Specifications. The activities authorized under the license are temporarily limited to fuel loading, low power testing, and operation at 1% of the rated power level until a number of remaining items set forth in the Technical Specifications have been satisfactorily completed. None of these items are required for fuel loading and low power operation authorized by the license. The Edwin I. Hatch Nuclear Plant Unit 1 is a direct cycle boiling water reactor located at the licensee's site eleven miles north of Baxley, in Appling County, Georgia.

The Commission has made appropriate findings as required by the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and 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 rules and regulations.

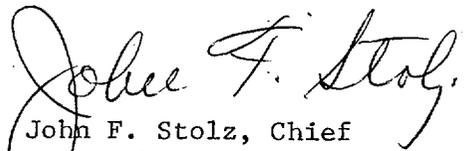
The license is effective as of its date of issuance and shall expire on September 30, 2009.

A copy of (1) Facility Operating License No. DPR-57, complete with

Technical Specifications (Appendices "A" and "B"); (2) the reports of the Advisory Committee on Reactor Safeguards, dated June 12, 1973, and January 14, 1974; (3) the Directorate of Licensing's Safety Evaluation dated May 11, 1973, and Supplements 1, 2 and 3 thereto; (4) the Final Safety Analysis Report and amendments thereto; (5) the licensee's Environmental Report dated November 5, 1971, and supplements thereto; (6) the Draft Environmental Statement dated June 15, 1972; and (7) the Final Environmental Statement dated October 25, 1972, are available for public inspection at the Commission's Public Document Room at 1717 H Street, N. W., Washington, D. C. and at the Appling County Public Library, Parker Street, Baxley, Georgia 31513. A copy of the license and the Safety Evaluation with supplements may be obtained upon request addressed to the United States Atomic Energy Commission, Washington, D. C. 20545, Attention: Deputy Director for Reactor Projects, Directorate of Licensing - Regulation.

Dated at Bethesda, Maryland, this 6th day of August, 1974.

FOR THE ATOMIC ENERGY COMMISSION



John F. Stolz, Chief
Light Water Reactors Project Branch 2-1
Directorate of Licensing

GEORGIA POWER COMPANY

DOCKET NO. 50-321

(Edwin I. Hatch Nuclear Plant Unit 1)

FACILITY OPERATING LICENSE

License No. DPR-57

1. **The Atomic Energy Commission (the Commission) having found that:**
 - A. **The application for license filed by the Georgia 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 rules and 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 Edwin I. Hatch Nuclear Plant Unit 1 (facility) has been substantially completed in conformity with Construction Permit No. CPPR-65 and the application, as amended, the provisions of the Act and the rules and regulations of the Commission;**
 - C. **The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;**
 - D. **There is reasonable assurance: (i) that the activities authorized by this operating 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 rules and regulations of the Commission;**
 - E. **The licensee is technically and financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;**

- F. The licensee has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
 - G. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public;
 - H. After weighing the environmental, economic, technical, and other benefits of the facility against environmental costs and considering available alternatives, the issuance of Facility Operating License No. DPR-57 is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D have been satisfied; and
 - I. 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 Parts 30, 40, and 70, including 10 CFR Sections 30.33, 40.32, 70.23 and 70.31.
2. Facility Operating License No. DPR-57 is hereby issued to the Georgia Power Company to read as follows:
- A. This license applies to the Edwin I. Hatch Nuclear Plant Unit 1, a direct cycle boiling water reactor and associated equipment (the facility), owned by the Georgia Power Company. The facility is located eleven miles north of Baxley in Appling County, Georgia, and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 9 through 46) and the Environmental Report as supplemented and amended (Supplement 1 and Amendment 1).
 - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses the Georgia Power Company:
 - (1) Pursuant to Section 104b of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the facility at the designated location in Appling County, Georgia, in accordance with the procedures and limitations set forth in this license;
-

- (2) 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 reactor fuel, sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required for reactor operation;
 - (3) Pursuant to the Act and 10 CFR Part 30 to receive, possess and use at any time 100 millicuries each of any byproduct material without restriction to chemical or physical form, for sample analysis or instrument calibration;
 - (4) Pursuant to the Act and 10 CFR Parts 40 and 70 to receive, possess and use at any time 100 milligrams each of any source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration;
 - (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. 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; 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:
- (1) Maximum Power Level

The licensee is authorized to operate the facility at reactor core power levels not in excess of 24 megawatts thermal (1% of the facility's rated power level of 2436 megawatts thermal).
 - (2) Technical Specifications

The Technical Specifications contained in Appendices A & B attached hereto are hereby incorporated in this license. The licensee shall operate the facility in accordance with the Technical Specifications.
-

D. This license is effective as of the date of issuance and shall expire at midnight, September 30, 2009.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by
Roger S. Boyd

A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Attachment:
Appendices A & B - Technical Specifications

Date of Issuance: AUG 6 1974

S.H. Lewis advised we should use standard language - H. Gearin confirmed standard language was used - License remains unchanged SBB/AUG A with language change noted on reading copy

OFFICE →	L:GCR	L:LWR-2-1	OGC	L:AD/EP	L:LWR	DD/EP
SURNAME →	H Gearin/nb	J Stolz	S.H. Lewis	DMuller	Moore	AGiambusso
DATE →	7/18/74	8/1/74	8/3/74	8/5/74	8/6/74	8/6/74



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

GEORGIA POWER COMPANY

DOCKET NO. 50-321

(Edwin I. Hatch Nuclear Plant Unit 1)

FACILITY OPERATING LICENSE

License No. DPR-57

1. The Atomic Energy Commission (the Commission) having found that:
 - A. The application for license filed by the Georgia 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 rules and 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 Edwin I. Hatch Nuclear Plant Unit 1 (facility) has been substantially completed in conformity with Construction Permit No. CPPR-65 and the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
 - D. There is reasonable assurance: (i) that the activities authorized by this operating 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 rules and regulations of the Commission;
 - E. The licensee is technically and financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;

Reading Copy

National Environmental Policy Act of 1969 (NEPA)
and Appendix D to 10 CFR Part 50 is
the issuance of Facility Operating
License No. DPR-57; and

- F. The licensee has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
- G. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public;
- H. After weighing the environmental, economic, technical, and other benefits of the facility against environmental costs and considering available alternatives, ~~the issuance of Facility Operating License No. DPR-57 is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D have been satisfied, and~~ *the action called for under the* ~~Commission's regulations and all applicable requirements of said Appendix D have been satisfied, and~~ *Commission's regulations and all applicable requirements of said Appendix D have been satisfied, and*
- I. 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 Parts 30, 40, and 70, including 10 CFR Sections 30.33, 40.32, 70.23 and 70.31.

2. Facility Operating License No. DPR-57 is hereby issued to the Georgia Power Company to read as follows:

- A. This license applies to the Edwin I. Hatch Nuclear Plant Unit 1, a direct cycle boiling water reactor and associated equipment (the facility), owned by the Georgia Power Company. The facility is located eleven miles north of Baxley in Appling County, Georgia, and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 9 through 46) and the Environmental Report as supplemented and amended (Supplement 1 and Amendment 1).
- B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses the Georgia Power Company:
- (1) Pursuant to Section 104b of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the facility at the designated location in Appling County, Georgia, in accordance with the procedures and limitations set forth in this license;

- (2) 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 reactor fuel, sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required for reactor operation;
 - (3) Pursuant to the Act and 10 CFR Part 30 to receive, possess and use at any time 100 millicuries each of any byproduct material without restriction to chemical or physical form, for sample analysis or instrument calibration;
 - (4) Pursuant to the Act and 10 CFR Parts 40 and 70 to receive, possess and use at any time 100 milligrams each of any source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration;
 - (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. 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; 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:

(1) Maximum Power Level

The licensee is authorized to operate the facility at reactor core power levels not in excess of 24 megawatts thermal (1% of the facility's rated power level of 2436 megawatts thermal).

(2) Technical Specifications

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

TSPEC A & B are incorporated by reference into this license. The licensee shall operate the facility in accordance with the Technical Specifications.

- D. This license is effective as of the date of issuance and shall expire at midnight, September 30, 2009.

FOR THE ATOMIC ENERGY COMMISSION

A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Attachment:
Appendices A & B - Technical Specifications

Date of Issuance: