

August 2, 1999

Docket
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Mr. J. V. Parrish
Chief Executive Officer
Energy Northwest
P.O. Box 968 (Mail Drop 1023)
Richland, WA 99352-0968

SUBJECT: WNP-2 - ISSUANCE OF AMENDMENT RE: LICENSEE NAME CHANGE
(TAC NO. MA5703)

Dear Mr. Parrish:

The Commission has issued the enclosed Amendment No. 157 to Facility Operating License No. NPF-21 for WNP-2. The amendment consists of changes to the operating license in response to your application dated June 3, 1999, as supplemented by letter dated July 22, 1999.

The amendment updates the operating license to reflect the name change of the licensee from "Washington Public Power Supply System" to "Energy Northwest" and the name change of the facility from "WPPS Nuclear Project No. 2" to "WNP-2."

A copy of the related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's next biweekly Federal Register notice.

Sincerely,
Original Signed By
Jack Cushing, Project Manager, Section 2
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-397

Enclosures: 1. Amendment No. 157 to NPF-21
2. Safety Evaluation

cc w/encls: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 2, 1999

Mr. J. V. Parrish
Chief Executive Officer
Energy Northwest
P.O. Box 968 (Mail Drop 1023)
Richland, WA 99352-0968

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Sincerely,

A handwritten signature in black ink, appearing to read "J. Cushing", is written over the typed name.

Jack Cushing, Project Manager, Section 2
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-397

Enclosures: 1. Amendment No. 157 to NPF-21
2. Safety Evaluation

cc w/encs: See next page

August 2, 1999

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

DOCKET NO. 50-397

NUCLEAR PROJECT NO. 2


AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 157
License No. NPF-21

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by the Washington Public Power Supply System (licensee) dated June 3, 1999, as supplemented by letter dated July 22, 1999, 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;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, by Amendment No. 157 , the license is amended as indicated in the attachments to this license amendment.
3. The license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


Stephen Dembek, Chief, Section 2
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Attachments: 1. Pages 1, 2, 9 and Attachment 1 of License
2. Cover Page and Table of Contents for
Appendix B of License
3. Page 1 of Appendix C of License

Date of Issuance: August 2, 1999



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

ENERGY NORTHWEST

DOCKET NO. 50-397

WNP-2

FACILITY OPERATING LICENSE

License No. NPF-21

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
 - A. The application for license filed by Energy Northwest (also 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 Energy Northwest, WNP-2 (the facility) has been substantially completed in conformity with Construction Permit No. CPPR-93 and the application, as amended, the provisions of the Act, and the regulations of the Commission;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission (except as exempted from compliance in Section 2.D. below);
 - 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 Commission's regulations set forth in 10 CFR Chapter I (except as exempted from compliance in Section 2.D. below);
 - E. Energy Northwest is technically qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I;
 - F. Energy Northwest 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 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 and other costs and considering available alternatives, the issuance of this Facility Operating License No. NPF-21, subject to the conditions for protection of the environment set forth in the Environmental Protection Plan attached as Appendix B, is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements 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.
2. Based on the foregoing findings regarding this facility, Facility Operating License NPF-21 is hereby issued to Energy Northwest (the licensee) to read as follows:
- A. This license applies to WNP-2, a boiling water nuclear reactor and associated equipment, owned by Energy Northwest. The facility is located on Hanford Reservation in Benton County near Richland, Washington, and is described in the licensee's "Final Safety Analysis Report", as supplemented and amended, and in the licensee's Environmental Report, as supplemented and amended.
 - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Energy Northwest:
 - (1) Pursuant to Section 103 of the Act and 10 CFR Part 50, to possess, use, and operate the facility at the designated location on Hanford Reservation, Benton County, Washington, in accordance with the procedures and limitations set forth in this license;
 - (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;

(26) Progress of Offsite Emergency Preparedness (Appendix D, SER)

In the event that the NRC finds that the lack of progress in completion of the procedures in the Federal Emergency Management Agency's final rule, 44 C.F.R. Part 350, is an indication that a major substantive problem exists in achieving or maintaining an adequate state of preparedness, the provisions of 10 C.F.R. Section 50.54(s)(2) will apply.

(27) Effluent Radiation Monitors (Section 11.5, SSER #4)

Prior to July 1, 1984, the licensee shall provide the following information to the NRC staff for their review and approval:

1. Sensitivity of the effluent monitors.
2. Evaluation of response times of these instruments.
3. Evaluation of the instruments per criteria set forth in Section 5.4.7 of ANSI 13.10.
4. Compliance with Section 5.4.9 of ANSI 13.10.
5. Evaluation of capability to provide a calibrated electrical signal to verify circuit alignment and, if used, a commitment, that they be qualified.

(28) Environmental Qualifications (Section 3.11, SER, SSER #3, SSER #4)

Prior to November 30, 1985, the licensee shall environmentally qualify all electrical equipment according to the provisions of 10 CFR 50.49.

(29) Protection of the Environment (FES)

Before engaging in additional construction or operational activities which may result in a significant adverse environmental impact that was not evaluated or that is significantly greater than the evaluation in the Final Environmental Statement the licensee shall provide a written notification to the Director of the Office of Nuclear Reactor Regulation and receive written approval from that office before proceeding with such activities.

(30) Additional Concerns

The Additional Concerns contained in Appendix C, as revised through Amendment No. 153, are hereby incorporated into this license. Energy Northwest shall operate the facility in accordance with the Additional Concerns

ATTACHMENT 1 TO OPERATING LICENSE NPF-21

The licensee shall complete the following requirements within the schedule noted below:

1. Preoperational/Acceptance Tests

- a. The licensee shall, prior to loading of fuel in the core, complete the System 36 preoperational testing to assure that those monitors required for fuel load fully meet the Technical Specification requirements without reliance on action statements:
- b. The licensee shall successfully complete the following preoperational/acceptance tests before exceeding 5% power:

- PT 33.0-B Chemical Waste Processing
- PT 37.0-D Miscellaneous Radiation Monitoring Equipment
- PT 40.0-A Off-Gas System
- AT 65.0-A Sealing Steam System
- AT 66.0-A Condenser Air Removal
- PT 69.0-A Condensate System
- PT 70.0-A Condensate Storage Transfer
- PT 71.0-A Condensate Filter Demineralizer System
- PT 72.0-A Reactor Feedwater Turbine and Pumps
- PT 72.0-B Reactor Feedwater Controls
- AT 74.0-A Heater Vents and Drains
- AT 82.0-A Turbine Building Heating and Ventilating
- PT 92.0-A Off-Gas Vault HVAC
- AT 110.0-A Loose Parts Detection
- PT 201.0-A Primary Containment Integrated Leakage Rate Test
- AT 302.0-A Integrated Condenser In-Leakage Test

- c. The licensee shall complete PT 22.0-B, Nitrogen Interting System prior to six months after initial criticality.

2. Hangers, Supports, and Restraints

All QI-SI and QII-SI hangers, supports, and restraints needing installation and/or modification will be completed prior to exceeding 5% power.

3. Construction Completion (Master Completion List Schedule)

The licensee shall restrain fuel loading, primary system steam pressurization, exceeding 5% power, and commercial operation* by prerequisite completion of the associated categories of items in accordance with the schedule shown on the Project Master Completion List dated December 19, 1983. The licensee shall not extend the completion categories for individual items on the list without prior notification and individual concurrence by a representative of the NRC Regional Office.

*Commercial operation is defined as the 100% power warranty run or July 1, 1984, whichever occurs first.

APPENDIX B

TO FACILITY OPERATING LICENSE NO. NPF-21

ENERGY NORTHWEST

WNP-2

DOCKET NO. 50-397

ENVIRONMENTAL PROTECTION PLAN
(NONRADIOLOGICAL)

ENERGY NORTHWEST

WNP-2

ENVIRONMENTAL PROTECTION PLAN

(NON-RADIOLOGICAL)

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APPENDIX C

ADDITIONAL CONDITIONS

FACILITY OPERATING LICENSE NO. NPF-21

Energy Northwest shall comply with the following conditions on the schedules noted below:

<u>Amendment Number</u>	<u>Additional Condition</u>	<u>Implementation Date</u>
149	<p>The licensee shall relocate certain technical specification requirements to licensee-controlled documents as described below. The location of these requirements shall be retained by the licensee.</p> <p>a. This license condition approves the relocation of certain technical specification requirements to licensee-controlled documents (e.g., UFSAR, LCS, etc.), as described in Attachment 1 to the licensee's letter dated January 14, 1997. The approval is documented in the staff's safety evaluation dated March 4, 1997.</p>	<p>Implementation shall be completed by June 30, 1997.</p>
149	<p>Regulatory Guide 1.160 commitments as described in Attachment 1 to the licensee's letter dated January 14, 1997.</p>	<p>Implementation shall be completed 90 days from the date of issuance of Amendment 149.</p>
151	<p>To ensure sufficiently conservative SPC 9X9-9 OLMCPRs, the calculation of ΔCPR will include a conservative adder based on the variability observed in the US96A7 comparison with the ANFB correlation. This adder will be at a minimum, the greater of two times the standard deviation in the mean error of the predictions relative to the calculated matrix values, or a factor of 0.975 applied to the ΔCPR calculation, and will be independent of the 0.975 factor included in the US96A7 correlation as a conservative bias to the US96A7 predictions of CPR for the SPC fuel.</p>	<p>Implementation shall be completed prior to exceeding 25% power for Cycle 13.</p>



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 157 TO FACILITY OPERATING LICENSE NO. NPF-21
WASHINGTON PUBLIC POWER SUPPLY SYSTEM

NUCLEAR PROJECT NO. 2

DOCKET NO. 50-397

1.0 INTRODUCTION

By application dated June 3, 1999, as supplemented by letter dated July 22, 1999, the Washington Public Power Supply System (WPPSS, or the licensee) requested changes to Facility Operating License No. NPF-21 for the WPPSS Nuclear Project No. 2. The licensee has changed its name to Energy Northwest. The proposed changes would revise the operating license to reflect the new name of the licensee. Also, references to "Nuclear Project No. 2" would be changed to "WNP-2," which is how the facility is most commonly known.

The July 22, 1999, supplemental letter provided additional clarifying information, did not significantly expand the scope of the application as originally noticed (the supplemental letter added a proposed change to correct the license number on a cover page) and did not change the staff's original proposed no significant hazards consideration determination published in the Federal Register on June 30, 1999 (64 FR 35214).

2.0 EVALUATION

WPPSS changed its name to Energy Northwest. The licensee requested the NRC amend the operating license (OL) for the WPPSS Nuclear Project No. 2 to reflect this name change such that references to the Washington Public Power Supply System will be replaced with references to Energy Northwest in all applicable locations of the OL. In addition, the licensee proposed that references to Nuclear Project No. 2 be changed to WNP-2. This request also applied to Appendix B (Environmental Protection Plan) and Appendix C (Additional Conditions) to the OL. Although the licensee made one reference to Appendix A as being subject to the request, no changes are necessary to Appendix A.

The application states that the name change will have no impact on the design, function or operation of any plant structure, system, or component, either technically or administratively. Further, the licensee's application states the following:

The proposed change is solely administrative in nature and involves only a name change. This request is being submitted to the NRC pursuant to 10 CFR 50.90 only for the purpose of updating the affected OL documents. The proposed

change does not alter any technical content of the OL or any technical content of the WNP-2 Technical Specifications requirements, nor do they have any programmatic effect on the Washington Public Power Supply System Operational Quality Assurance Program Description.

The legal corporate status of the licensee has not changed and no transfer within the scope of 10 CFR 50.80 will or has occurred.

In view of the above statements, the staff believes the proposed amendment is administrative in nature and no substantive changes to the licensee's arrangements or ability to own, operate, or decommission WNP-2 will result from amending the license to reflect the name change. Therefore, the staff concludes that the application to amend the license to reflect the name change of the licensee should be approved.

The staff reviewed the WNP-2 operating license and determined that the name change needs to be effected as follows:

- a. References to "Washington Public Power Supply System" on pages 1, 2 and 9 and attachment 1 of Facility Operating License No. NPF-21 will be changed to "Energy Northwest."
- b. Reference to "WPPSS Nuclear Project No. 2" or "Nuclear Project No. 2" on pages 1 and 2 of Facility Operating License No. NPF-21 will be changed to "WNP-2."
- c. References to "Washington Public Power Supply System Nuclear Project No. 2" will be changed to "Energy Northwest" on both the cover page and table of contents for Appendix B of Operating License No. NPF-21. A correction was made to the facility operating license number on the cover page for Appendix B.
- d. Reference to "Washington Public Power Supply System" in Appendix C of Operating License No. NPF-21 will be changed to "Energy Northwest."
- e. All other references to "Washington Public Power Supply System" in the license and appendices are in the context of letters and documentation issued when the name of the licensee was the "Washington Public Power Supply System." These references for clarity and traceability will not be changed.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Washington State official was notified of the proposed issuance of the amendment. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21, 51.32, and 51.35, an environmental assessment and a finding of no significant impact have been prepared and published in the Federal Register on July 13, 1999 (64 FR 37819). Accordingly, based upon the environmental assessment, the staff has determined that the issuance of this amendment will not have a significant impact on the quality of the human environment.

5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: J. Cushing

Date: August 2, 1999