

MAR 28 1985

Docket No. 50-397

Mr. G. C. Sorensen, Manager
Regulatory Programs
Washington Public Power Supply System
P. O. Box 968
3000 George Washington Way
Richland, Washington 99352

Dear Mr. Sorensen:

SUBJECT: ISSUANCE OF AMENDMENT NO. 8 TO FACILITY OPERATING LICENSE
NPF-21, WPPSS NUCLEAR PROJECT NO. 2

The U. S. Nuclear Regulatory Commission has issued the enclosed Amendment No. 8 to Facility Operating License NPF-21 to the Washington Public Power Supply System for WPPSS Nuclear Project No. 2, located in Benton County near Richland, Washington. This amendment is in response to your letters dated January 11 and January 17, 1985, as supplemented on January 30 and March 8, 1985.

This action would amend the License Condition 2.C.(28) to extend the deadline to November 30, 1985 for the environmental qualification of certain electrical equipment important to safety. We expect compliance for these remaining components at the earliest practical time but in no event later than November 30, 1985.

This amendment will also change Paragraph 3.(b) of Attachment 2 to the license to extend the deadline for implementation of R.G. 1.97 requirements (installation or upgrade) for flux monitoring to the first refueling outage.

A copy of the related safety evaluation supporting Amendment No. 8 to Facility Operating License No. NPF-21 is enclosed.

Sincerely,

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

Enclosures:

1. Amendment No. 8 to Facility Operating License NPF-21
2. Safety Evaluation

cc w/enclosures:

See next page

DISTRIBUTION

See attached

8504090386	850328
PDR	ADOCK 05000397
P	PDR

*See previous concurrence concurred on by:

*LB#2/DL/PM	*LB#2/DL/LA	*LB#2/DL/BC	*OELD
RAuluck:lb	EHylton	ASchwencer	Shields
03/22/85	03/22/85	03/21/85	03/22/85



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

MAR 28 1985

Docket No. 50-397

Mr. G. C. Sorensen, Manager
Regulatory Programs
Washington Public Power Supply System
P. O. Box 968
3000 George Washington Way
Richland, Washington 99352

Dear Mr. Sorensen:

SUBJECT: ISSUANCE OF AMENDMENT NO. 8 TO FACILITY OPERATING LICENSE
NPF-21, WPPSS NUCLEAR PROJECT NO. 2

The U. S. Nuclear Regulatory Commission has issued the enclosed Amendment No. 8 to Facility Operating License NPF-21 to the Washington Public Power Supply System for WPPSS Nuclear Project No. 2, located in Benton County near Richland, Washington. This amendment is in response to your letters dated January 11 and January 17, 1985, as supplemented on January 30 and March 8, 1985.

This action would amend the License Condition 2.C.(28) to extend the deadline to November 30, 1985 for the environmental qualification of certain electrical equipment important to safety. We expect compliance for these remaining components at the earliest practical time but in no event later than November 30, 1985.

This amendment will also change Paragraph 3.(b) of Attachment 2 to the license to extend the deadline for implementation of R.G. 1.97 requirements (installation or upgrade) for flux monitoring to the first refueling outage.

A copy of the related safety evaluation supporting Amendment No. 8 to Facility Operating License No. NPF-21 is enclosed.

Sincerely,

A handwritten signature in cursive script that reads "A. Schwencer".

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

Enclosures:

1. Amendment No. 8 to Facility Operating License NPF-21
2. Safety Evaluation

cc w/enclosures:
See next page

Issuance of Amendment No. 8 to Facility Operating License No. NPF-21
WPPSS Nuclear Project No. 2

DISTRIBUTION

Docket File
NRC PDR
Local PDR
PRC System
NSIC
LB#2 Reading
EHylton
RAuluck
TNovak
JSaltzman, SAB
Shields, OELD
CMiles
HDenton
JRutberg
AToalston
WMiller, LFMB
JPartlow
BGrimes
EJordan
LHarmon
TBarnhart (4)
Inez Bailey

WNP-2

Mr. G. C. Sorensen, Manager
Regulatory Programs
Washington Public Power Supply System
P. O. Box 968
3000 George Washington Way
Richland, Washington 99352

cc: Nicholas Reynolds, Esquire
Bishop, Cook, Liberman, Purcell & Reynolds
1200 Seventeenth Street, N. W.
Washington, D. C. 20036

Mr. G. E. Doupe, Esquire
Washington Public Power Supply System
P. O. Box 968
3000 George Washington Way
Richland, Washington 99532

Nicholas Lewis, Chairman
Energy Facility Site Evaluation Council
Mail Stop PY-11
Olympia, Washington 98504

P. L. Powell, Licensing Manager
Washington Public Power Supply System
P. O. Box 968
Richland, Washington 99352

Mr. W. G. Conn, SR. N/M Group Supervisor
Burns and Roe, Incorporated
601 Williams Boulevard
Richland, Washington 99352

R. B. Glasscock, Director
Licensing and Assurance
Washington Public Power Supply System
P. O. Box 968, MD 650
Richland, Washington 99352

M. J. D. Martin
WNP-2 Plant Manager
Washington Public Power Supply System
P. O. Box 968
Richland, Washington 99352



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

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

DOCKET NO. 50-397

WPPSS NUCLEAR PROJECT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

License No. NPF-21
Amendment No. 8

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
 - A. The application for amendment filed by the Washington Public Power Supply System (WPPSS, also the licensee) dated January 11 and January 17, 1985 and supplemented on January 30 and March 8, 1985, 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 as amended, the provisions of the Act, and the 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 set forth in 10 CFR Chapter I;
 - D. The issuance of this amendment will not be inimical to the common defense and security or 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, Facility Operating License No. NPF-21 is amended. Attachment 2, Paragraph 3.(b) of L.C. 2.C.(16) to the license and License Condition 2.C.(28) are hereby amended as follows:

Attachment 2, Paragraph 3.(b)

The licensee shall implement (installation or upgrade) requirements of R.G. 1.97 Rev. 2 for flux monitoring prior to startup following the first refueling outage.


(28) Environmental Qualification (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.

8504090392 850328
PDR ADDCK 05000397
P PDR

3. This amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


for Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Date of Issuance: **MAR 28** 1985

3. This amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by
Darrell G. Eisenhut

for

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Date of Issuance: ~~MAR~~ 28 1985

*Previous concurrence concurred on by:

LB#2/DL/PM	LB#2/DL/LA	LB#2/DL/BC	OELD	AD/L/DL	D/DL
*RAuluck:lb	*EHylton	*ASchwencer	*Shields	*TNovak	*HThompson
03/22/85	03/22/85	03/22/85	03/22/85	03/26/85	03/27/85

DE
DD/NRR
DE Eisenhut:
03/28/85

HD
D/NRR
HD Denton
03/28/85



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

SAFETY EVALUATION

AMENDMENT NO. 8

WPPSS NUCLEAR PROJECT NO. 2

DOCKET NO. 50-397

INTRODUCTION

By letters dated January 11 and January 17, 1985, and as supplemented by letters dated January 30 and March 8, 1985, the licensee requested changes to the License Conditions 2.C.(16) and 2.C.(28) of the WNP-2 license NPF-21.

EVALUATION

License Condition 2.C.(28) has been revised to incorporate a November 30, 1985 deadline for completion of environmental qualification of electrical equipment important to safety instead of the presently imposed March 31, 1985 deadline. By letters dated January 17, January 30 and March 8, 1985, the licensee stated that due to design changes, delays in procurement, test complications, and installation problems, environmental qualification of certain equipment will not be completed by March 31, 1985. Specifically, the licensee requested extension for the following equipment:

1. Level Transmitters
MS-LITS-26A, 26B, 26C, and 25D
2. Solenoid Valves
PSR-V-X77A/1 and -X77A/3
3. Remote Manual Switch
RRA-RMS-FN/1, -FN/2 and -FN/3
4. Electro/Pneumatic Converters
REA-E/P-1A and -1B
5. Pressure Switch
LPCS-PIS-1
6. Motor Operator
RCIC-MO-V/63
7. Motor Operator
RCIC-MO-V/1
8. Valve CIA-V-39A
9. LPRM Detectors and Connectors

For the above items, the licensee has previously submitted or has provided Justification of Interim Operation (JIO's), which have addressed the requirements of 10 CFR 50.49. The staff has reviewed these JIO's and agrees with the licensee's assertion that they will support continued operation pending completion of environmental qualification. The licensee plans to complete the qualification of all equipment in accordance with the requirements of Section 50.49 during the scheduled outage from mid-May to mid-July, 1985 but no later than November 30, 1985.

8504090395 850328
PDR ADOCK 05000397
P PDR

The licensee has identified neutron flux as a Type A variable as defined in Regulatory Guide 1.97. The instrumentation used to display Type A variables is required to conform to Category 1 design and qualification criteria which includes environmental qualification in accordance with 10 CFR 50.49. By letter G02-83-693 dated August 3, 1983, the licensee requested to defer installation of qualified source range monitors (SRMs) until the first refueling outage, scheduled for mid 1986. The basis for the request was that qualified replacements for the existing SRMs did not exist in industry, and that the delay would allow sufficient time to complete qualification of one of several designs being developed at the time. The staff approved deferral of installation of qualified SRMs, but only until March 31, 1985 instead of the first refueling outage as requested by the licensee because, in part that was the goal for final environmental qualification of electric equipment for operating reactors. It should be noted that the remainder of the instrumentation upgrades required as a result of the RG 1.97 review do not have to be implemented until the first refueling outage as set forth in enclosure 2, Item 3a of License Condition 2.C.16. By letter G02-85-014 dated January 11, 1985, the licensee again requested to defer installation of qualified SRMs to the first refueling outage. The basis for this request continues to be the unavailability of a completely qualified SRM. The licensee has indicated that deferral until the first refueling outage will allow them to evaluate available alternatives and install qualified SRMs.

March 31, 1985 is the date given in 10 CFR 50.49 for electrical equipment important to safety installed at operating reactors to be environmentally qualified for its environment. This date is not a deadline for implementation (installation or upgrade) of instrumentation required to bring WNP-2 into conformance with the recommendations of RG 1.97. Modifications required as a result of RG 1.97 are to be implemented on a plant specific schedule agreed to by the staff and the licensee that takes into account plant workloads, and optimizes the use of utility and NRC resources (see Supplement 1 to NUREG-0737, Requirements for Emergency Response Capability - Generic Letter 82-33). Instrumentation designed to Category 1 requirements in accordance with RG 1.97 which is installed after March 31, 1985, must be environmentally qualified at the time of installation. The licensee is not requesting an exemption or deviation from either the requirements of RG 1.97 or the environmental qualification rule (10 CFR 50.49). Therefore, a justification for continued operation (JCO) is not necessary. The licensee intends to replace the existing SRMs with fully qualified SRMs prior to startup following the first refueling. The existing flux monitoring instrumentation consists of four redundant safety related channels, with the exception of environmental qualification, similar to those used in other operating BWRs. The licensee has stated that in the unlikely event of an accident condition prior to replacement, there are additional systems in place that will provide the operators with sufficient data to assess reactor conditions (e.g.,

control rod position monitors, reactor vessel and pressure monitors, etc.).

The staff recognizes that environmental qualification of SRMs is an industry development item. The staff has allowed delays for implementation of specific RG 1.97 instrumentation items if adequate justification for the delays and commitments to install the qualified instrumentation within a reasonable time are received from the licensee. Based on our review of information provided by the licensee, we find their request to defer installation of qualified SRMs until the first refueling outage (consistent with the implementation date for other RG 1.97 instrumentation) to be acceptable, and conclude that the existing instrumentation is acceptable for interim operation.

ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant change in the types or significant increase in the amounts of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Section 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

CONCLUSION

We have 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; and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: MAR 28 1985

Principal Contributors:
A. Masciantonio, EQB
R. Kendall, ICSB
R. Auluck, LB#2