

Docket No. 50-397

JUL 18 1985

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. 15 to Facility Operating License
NPF-21, WPPSS Nuclear Project No. 2

The U.S. Nuclear Regulatory Commission has issued the enclosed Amendment No. 15 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 letter dated April 19, 1985.

This action amends the WNP-2 Technical Specifications Drywell Average Air Temperature, Surveillance Requirements, 4.6.1.7, to provide a description of the locations of the thermocouples used to measure the drywell average temperature instead of the specific elevations and azimuths currently employed.

A copy of the related safety evaluation supporting Amendment No. 15 to Facility Operating License No. NPF-21 is enclosed.

Sincerely,

Original signed by

Walter R. Butler, Chief
Licensing Branch No. 2
Division of Licensing

Enclosures:

- 1. Amendment No. 15 to Facility Operating License NPF-21
- 2. Safety Evaluation

cc w/enclosures:
See next page

BRAD
LB#2/DL/PM
JBradfute:lb
07/10/85

LB#2/DL/LA
EHyton
07/10/85

WPaton
OELD
WPaton
07/12/85

LB#2/DL/BC
WButler
07/10/85

WB

*PIG/POJ
T/MN
7-18-85*

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 15, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

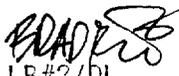
FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by

Walter R. Butler, Chief
Licensing Branch No. 2
Division of Licensing

Enclosure:
Changes to the Technical
Specifications

Date of Issuance: JUL 18 1985


LB#2/DL
JBradfute:lb
07/09/85

LB#2/DL
Elyston
07/9/85


LB#2/DL
WButler
07/10/85


OELD
WPatton
07/12/85


AD/L/DL
TNovak
07/14/85



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

JUL 18 1985

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

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NPF-21, WPPSS Nuclear Project No. 2

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A copy of the related safety evaluation supporting Amendment No. 15 to Facility Operating License No. NPF-21 is enclosed.

Sincerely,

A handwritten signature in cursive script that reads "Walter R. Butler".

Walter R. Butler, Chief
Licensing Branch No. 2
Division of Licensing

Enclosures:

1. Amendment No. 15 to Facility Operating License NPF-21
2. Safety Evaluation

cc w/enclosures:
See next page

Mr. G. C. Sorensen, Manager
Washington Public Power Supply System

WPPSS Nuclear Project No. 2
(WNP-2)

cc:

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Richland, Washington 99352

Issuance of Amendment No. 15 to Facility Operating License No. NPF-21
WPPSS Nuclear Project No. 2

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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. 15

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 (the Supply System, also the licensee) dated April 19, 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 regulation 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 to revise the Technical Specifications as indicated in the attachment to this amendment and paragraph 2.C.(2) of the Facility Operating License is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 15, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Chief
Licensing Branch No. 2
Division of Licensing

Enclosure:
Changes to the Technical
Specifications

Date of Issuance: JUL 18 1985

ATTACHMENT TO LICENSE AMENDMENT NO. 15
FACILITY OPERATING LICENSE NO. NPF-21
DOCKET NO. 50-397

Replace the following page of the Appendix "A" Technical Specifications with enclosed page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change.

REMOVE

3/4 6-10

INSERT

3/4 6-10

CONTAINMENT SYSTEMS

DRYWELL AVERAGE AIR TEMPERATURE

LIMITING CONDITION FOR OPERATION

3.6.1.7 Drywell average air temperature shall not exceed 135°F.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3

ACTION:

With the drywell average air temperature greater than 135°F, reduce the average air temperature to within the limit within 8 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

SURVEILLANCE REQUIREMENTS

4.6.1.7 The drywell average air temperature shall be the arithmetical average of the inlet air temperatures from a minimum of three of the operating drywell cooling units and shall be determined to be within the limit at least once per 24 hours.



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

SAFETY EVALUATION

AMENDMENT NO. 15 TO NPF-21

WPPSS NUCLEAR PROJECT NO.2

DOCKET NO. 50-397

INTRODUCTION

By letter dated April 19, 1985, the Washington Public Power Supply System proposed certain changes to section 4.6.1.7 of the Technical specifications for WNP-2. The proposed change resulted from a design change of the drywell cooling system (a non-safety system) that was implemented during a previous outage. This change provided an improved air flow pattern resulting in reduced temperature gradients in the drywell.

EVALUATION

Specifically, the licensee requested a change to Surveillance Requirement 4.6.1.7 which identified the thermocouple locations used to determine the drywell average air temperature.

The proposed change in Technical Specifications Surveillance Requirement 4.6.1.7 changes the elevation and azimuth location of the thermocouples as originally specified to inlet locations of the air coolers.

To improve the temperature profile in the drywell, the licensee modified the air flow patterns of the drywell unit coolers. This modification was accomplished by ducting the hot air in the annulus region, between the reactor pressure vessel and the sacrificial shield wall, through the unit coolers located in the lower portion of the drywell, rather than the upper portion in the original design.

Had the licensee used the same thermocouples specified in Surveillance Requirement 4.6.1.7, the resulting drywell average temperature would be greater than the expected drywell average temperature due to the impingement of the annulus hot air on the thermocouples.

Therefore, the licensee proposed thermocouple locations at the inlet of the unit coolers where the inlet air temperature would be more representative for determining the drywell average temperature. The licensee indicated that the temperature readings from the new thermocouple locations are neither influenced by the annulus hot air or the drywell unit cooler discharged air and, therefore, will yield more representative values for computing the bulk average drywell air temperature.

Based on our assessment of the proposed Technical Specifications change, we find that the original intent of the Limiting Condition for Operation is maintained.

The licensee has determined that this change has little safety significance and that the proposed amendment will not alter any of the accident analyses. The staff has reviewed these determinations and the associated change and concludes that they are acceptable.

ENVIRONMENTAL CONSIDERATION

This amendment involves a change to the 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.

Dated: JUL 18 1985

Principal Contributor: F. Eltawila