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AUTH.NAME AUTHOR AFFILIATION
SORENSEN,G.C. Washington Public Power Supply System
RECIP.NAME RECIPIENT AFFILIATION
BUTLER,W.R. Licensing Branch 2

SUBJECT: Requests approval to use encl ASME Section XI Code Case N-416, "Alternative Rules for Hydrostatic Testing of Repair or Replacement of Class 2 Piping,Section XI,Div 1," at facility to reduce exposure & sys down time.

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Washington Public Power Supply System
P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

DOCKET NO. 50-397

June 14, 1985
G02-85-313

Director of Nuclear Reactor Regulation
Attention: Mr. W. R. Butler, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Butler:

Subject: NUCLEAR PLANT NO. 2
USE OF ASME SECTION XI CODE CASE N-416
ALTERNATIVE RULES FOR HYDROSTATIC TESTING OF REPAIR OR REPLACEMENT OF CLASS 2 PIPING, SECTION XI, DIVISION 1

The Supply System requests approval to use the above referenced Code Case at our WNP-2 plant.

WNP-2 is committed to the Winter 1980 Addenda and 1980 Edition of ASME Section XI. This Code Case permits the deferral of a system hydrostatic test, as required by IWA 4000, until the next scheduled system hydrostatic test, if the repaired or replaced piping cannot be isolated by existing valves <u>or</u> if safety or safety relief valves must be secured from isolation.

Both of the following conditions are to be met as the alternative to the hydro.

(a) Prior to or immediately upon return to service, a Visual Examination (VT-2) for leakage shall be conducted during a system functional test or during a system inservice test in the replaced or repaired portion of the piping system.

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(b) The repair or replacement welds shall be examined in accordance with IWA 4000 and IWA 7000, using volumetric examination methods (IWA 2230) for full penetration welds or surface examination welds (IWA 2220) for partial penetration welds.

The interest and attention that this Code Case received at ASME Section XI meetings indicates that it will be listed in Regulatory Guide 1.147 and will be incorporated into the Code in the future Edition.

The use of this Code Case would be of significant benefit to us in reducing exposure and system down time, and actually would require a more stringent examination of the repair or replacement.

Your prompt approval is requested.

Very truly yours,

G. C. Sorensen, Manager
Regulatory Programs

Attachment: Code Case N-416

cc: Mr. J. Bradfute, Nuclear Regulatory Commission
Mr. W.S. Chin, Bonneville Power Administration
Mr. M. Hum, Nuclear Regulatory Commission
Mr. J.B. Martin, Nuclear Regulatory Commission
Mr. E. Revell, Bonneville Power Administration
Mr. N.S. Reynolds, Bishop, Liberman, Cook, Purcell & Reynolds
Mr. A. Toth, Nuclear Regulatory Commission, WNP-2

Approval Date: December 5, 1984

See Numeric Index for expiration and any reaffirmation dates.

Case N-416
Alternative Rules for Hydrostatic Testing of Repair or Replacement of Class 2 Piping
Section XI, Division 1

Inquiry: For Section XI, Division 1, repair or replacement of Class 2 piping that cannot be isolated by existing valves or that requires securing safety or relief valves from isolation, may the system hydrostatic test required by IWA-4400 (IWA-4210 in earlier Code editions) be deferred until the next regularly scheduled system hydrostatic test (IWC-5000) for that system?

Reply: It is the opinion of the Committee that the system hydrostatic test required by IWA-4400 (IWA-4210 in earlier Code editions) for repair or replacement of Class 2 piping that cannot be isolated by existing valves or that requires securing safety or relief valves from isolation may be deferred until the next regularly scheduled system hydrostatic tests (IWC-5000), provided both of the following conditions are met.

(*a*) Prior to or immediately upon return to service, a visual examination (VT-2) for leakage shall be conducted during a system functional test or during a system inservice test in the repaired or replaced portion of the piping system.

(*b*) The repair or replacement welds shall be examined in accordance with IWA-4000 and IWA-7000 using volumetric examination methods (IWA-2230) for full penetration welds or surface examination methods (IWA-2220) for partial penetration welds.

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LB#2 Reading
EHylton
JBradfute

DOCKET NO(S). 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
SUBJECT: WPPSS NUCLEAR PROJECT NO. 2

The following documents concerning our review of the subject facility are transmitted for your information.

- ☐ Notice of Receipt of Application, dated _____.
- ☐ Draft/Final Environmental Statment, dated _____.
- ☐ Notice of Availability of Draft/Final Environmental Statement, dated _____.
- ☐ Safety Evaluation Report, or Supplement No. _____, dated _____.
- ☐ Notice of Hearing on Application for Construction Permit, dated _____.
- ☐ Notice of Consideration of Issuance of Facility Operating License, dated _____.
- ☒ Monthly Notice; Applications and Amendments to Operating Licenses Involving no Significant Hazards Considerations, dated ~~June 4, 1985~~.
- ☐ Application and Safety Analysis Report, Volume _____.
- ☐ Amendment No. _____ to Application/SAR dated _____.
- ☐ Construction Permit No. CPPR- _____, Amendment No. _____ dated _____.
- ☐ Facility Operating License No. _____, Amendment No. _____, dated _____.
- ☐ Order Extending Construction Completion Date, dated _____.
- ☐ Other *(Specify)* _____

Office of Nuclear Reactor Regulation

Enclosures:
As stated

See next page

cc:

OFFICE➤	LB#2/DL						
SURNAME➤	EHylton						
DATE➤	6/13/85						

NRC FORM 318 (1/84) NRCM 0240