

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NOS. 50-282 AND 50-306NORTHERN STATES POWER COMPANYNOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 58 to Facility Operating License No. DPR-42, and Amendment No. 52 to Facility Operating License No. DPR-60 issued to Northern States Power Company (the licensee), which revised Technical Specifications for operation of Prairie Island Nuclear Generating Plant, Unit Nos. 1 and 2 (the facilities) located in Goodhue County, Minnesota. The amendments are effective as of the date of issuance.

The amendments revise the Appendix A Technical Specifications concerned with the peak burnup limits shown in Figure TS.3.10-7. The peak burnup limit is increased from 47,000 to 51,000 MWD/MTU.

The application for the amendments complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendments. Prior public notice of these amendments was not required since the amendments do not involve a significant hazards consideration.

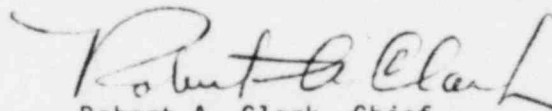
- 2 -

The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of these amendments.

For further details with respect to this action, see (1) the application for amendments dated June 14, 1982 as revised July 7 and September 24, 1982, (2) Amendment Nos. 58 and 52 to License Nos. DPR-42 and DPR-60, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the Environmental Conservation Library, 300 Nicollet Mall, Minneapolis, Minnesota 55401. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 18th day of October, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION


Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8210190717 DOC. DATE: 82/10/14 NOTARIZED: NO DOCKET #
 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publi 05000528
 STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529
 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publi 05000530
 AUTH. NAME AUTHUR AFFILIATION
 VAN BRUNT, E.E. Arizona Public Service Co.
 RECIP. NAME RECIPIENT AFFILIATION
 NCVAK, T.M. Assistant Director for Licensing

SUBJECT: Requests NRC review results of PWR design analyses to approve removal of pipe whip restraints. Meeting w/NRC to discuss request & facilitate exchange of info & questions suggested.

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PUBLIC SERVICE COMPANY

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October 14, 1982
ANPP-22020 - WFQ/TFQ

Mr. Thomas Novak
Assistant Director for Licensing
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Palo Verde Nuclear Generating Station
(PVNGS) Units 1, 2 and 3
Docket Nos. STN-50-528/529/530
File: 82-056-026; G.1.01.10

Reference: NUREG/CR-2189, "Probability of Pipe Fracture in the primary coolant loop of a PWR plant", dated September, 1981.

Dear Mr. Novak:

The design basis for PVNGS Units 1, 2 and 3 includes the postulation of guillotine pipe breaks in the Reactor Coolant System (RCS) main loop piping. Recent analyses, the referenced report, of Westinghouse PWR's have shown that:

1. The probability of guillotine failures are extremely small (10^{-12})
2. A through-the-wall crack of detectable size will remain stable when subjected to an SSE.

A probabilistic analysis of the PVNGS RCS is being conducted by Lawrence Livermore Laboratories (LLL) to define the probability of a guillotine rupture. We have furnished LLL with information related to the design and expected loads on the RCS and our seismic consultant, ERTEC, is developing a site specific seismic hazard curve. This seismic hazard curve is expected to be complete and transmitted to LLL by October 31, 1982. It is expected that LLL will complete their analyses on PVNGS by December, 1982. Favorable results from this analysis is expected, similar to the results of the referenced report. This may justify the elimination of the double-ended guillotine break of RCS piping from the PVNGS design basis, which would dismiss the need for RCS pipe whip restraints. These restraints require substantial maintenance, surveillance and adjustment efforts during the in-service inspection program, which creates a substantial radiation exposure hazard to personnel performing these tasks. These restraints are also extensive and expensive to manufacture and install. If justified by the LLL analysis, we would very much consider removing them from the PVNGS design.

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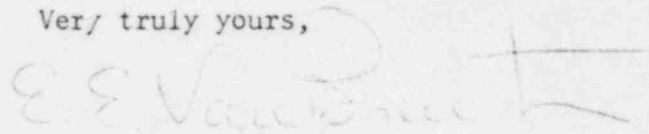
Mr. T. Novak
October 14, 1982
ANPP-22020 - WFQ/TFQ
Page 2

The construction status of the restraints is shown below:

<u>UNITS</u>	<u>STATUS</u>
1	Installed, Unadjusted
2	Machining of saddles to start November, 1982
3	Machining of saddles to start January, 1985

We feel, from results of previous analyses on other PWR designs, the LLL analysis for PVNGS will justify elimination of these restraints from the design basis. We request that the NRC review the results of LLL analyses as soon as they are available, so that you can approve the removal of the restraints from the PVNGS design. We request a meeting with the appropriate members of the NRC staff, as discussed with R. Bosnak, Chief, Mechanical Engineering Branch, on October 20, 1982, to discuss this request and to facilitate an exchange of information, and any additional questions the NRC staff may have on this matter.

Very truly yours,



E. E. Van Brunt, Jr.
APS Vice President,
Nuclear Projects
ANPP Project Director

EEVBJr/TFQ/sp

cc: E. Licitra
R. Bosnak
L. Bernabei
P. L. Hourihan
A. C. Gehr