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March 2, 1992

10 CFR Part 50
Section 50.55a(g)

US Nuclear Regulatory Commission
Attn. Document Control Desk
Washington DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket Nos. 50-292 License Nos. DPR-42
50-306 DPR-60

Relief Request No. 70
Second Ten-Year Inservice Inspection Interval

NRC Staff review and approval is being requested for Request for Relief No. 70, from the requirements of the ASME Boiler and Pressure Vessel Code, Section XI, Inservice Inspection, as specified in the Prairie Island Inservice Inspection and Testing Program for the Second Ten Year Interval. This program was submitted to the Commission on December 30, 1983 and approved by the NRC Staff on December 28, 1984. This Relief Request is being submitted in accordance with 10 CFR Part 50, Section 50.55a(g)(6)(i).

Relief is being requested from the Code test frequency requirements for safety injection to reactor vessel valve, ISI-26-1, a Code Class 2 valve. The 1980 Winter 1981 Addenda of the ASME Code requires relief valves be tested at a five year interval. This valve is scheduled to be tested during the current refueling outage.

The plant condition necessary to test this valve requires removal of one train of KHR from service. With the increased awareness of the need for KHR availability, the plant believes this should be done during a full core offload. Therefore, this relief request proposes to change the testing frequency from every five years to when the core is unloaded, but not more frequently than once every five years. This will test the valve at least every ten years as the core is unloaded for the 10 year hydro test.

The valve was tested during the last core offload in September 1985. The valve functioned satisfactorily. The next core offload is scheduled for 1995 or 1996.

The five year test of this valve is scheduled for this outage, so relief is needed by March 11, 1992. Heatup is scheduled to commence on March 12, 1992. We apologize for requesting relief from the ASME Code at this late date.

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Relief Request No. 70 is applicable to Prairie Island Unit 2 only. Prairie Island Unit 1 last tested the Safety Injection to Reactor Vessel Relief Valve in 1991 and the 1986 Code requirements will be in effect prior to the next scheduled test. Since, the 1986 edition of the ASME Code requires testing of Code Class 2 relief valves every 10 years, no change is needed for Unit 1.

Please contact us if you have any questions related to this Relief Request.



Thomas M. Parker
Manager
Nuclear Support Services

c: Regional Administrator-III, NRC
NRR Project Manager, NRC
NRC Resident Inspector
State of Minnesota
Hartford Insurance
J. Silberg

Attachment: Relief Request No. 70 - Unit 2

7G. REQUEST FOR RELIEF

COMPONENT	FUNCTION	ASME CODE CLASS	ASME VALVE CAT
2SI-26-1 RHR Vessel Injection Relief Valve	Protects RHR heat exchanger supply line to vessel from overpressure	2	C

CODE REQUIREMENT

The relief valve setpoint will not be tested at the frequency required by JWV-3511 in the 1980 Winter 1981 Addenda of the ASME Code.

BASIS

To test this valve's setpoint either by testing in place or bench testing, requires removing one loop of the RHR system from service. The RHR system is necessary for safe plant operation during all modes of reactor operation except when the reactor core is unloaded. To maintain RHR reliability and safely test this valve, fuel should not be in the reactor vessel.

The core is unloaded every ten years for the hydro. This valve was tested during the last core offload in September 1985. The valve functioned satisfactorily. The next core offload is scheduled for 1995 or 1996.

The 1986 ASME Code requires this valve to be tested once per 10 years. The Third Ten Year Interval Inservice Testing Program begins in December 1994 and will be updated to 1986 Code.

Unit 1 has an identical valve performing the same function. The Unit 1 valve was last tested in 1991, and functioned satisfactorily.

ALTERNATE INSPECTION (TESTING)

The valve will be tested when the core is unloaded, but not more frequently than once every five years.

SCHEDULE FOR IMPLEMENTATION

1992 Refueling outage.