



Northern States Power Company

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May 19, 1994

Generic Letter 92-01

US Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
Docket Nos. 50-282 License Nos. DPR-42  
50-306 DPR-60

Response to April 22, 1994 Request For Additional Information  
Generic Letter 92-01, Revision 1 Reactor Vessel Structural Integrity

NRC letter dated April 22, 1994 requested that we verify that the NRC summary data file information provided with the letter accurately represents the information we provided for Prairie Island Units 1 and 2 in response to Generic Letter 92-01, Revision 1. We have completed our review of the NRC summary data file information provided with the April 22, 1994 letter, and have identified the following discrepancies:

1. The NRC values for the Unit 1 and 2 circumferential weld material  $\frac{1}{2}$ T end-of-life (EOL) upper shelf energy (USE) differ slightly from the values we obtain using Figure 2 of Regulatory Guide 1.99, Revision 2:

	<u><math>\frac{1}{2}</math>T EOL Upper Shelf Energy (ft-lb<sub>f</sub>)</u>	
	<u>NRC</u>	<u>NSP</u>
Unit 1:	50	51.5
Unit 2:	68	71.1

These discrepancies are minor, and appear to be the result of differences in calculational techniques.

2. The NRC value for the Unit 2 lower shell forging (D) unirradiated USE (106 ft-lb<sub>f</sub>) is 2 ft-lb<sub>f</sub> less than the 108 ft-lb<sub>f</sub> value from our January 10, 1986 Pressurized Thermal Shock submittal and from WCAP-11343, "Analysis of Capsule R From the Northern States Power Company Prairie Island Unit 2 Reactor Vessel Radiation Surveillance Program". Again, this discrepancy is minor and appears to be the result of differences in calculational techniques.

These discrepancies were discussed with the NRC Staff on May 17, 1994. Based on that discussion, and the minor nature of the discrepancies, we are satisfied with the content of the NRC summary data files for the Prairie Island Unit 1 and 2 reactor vessels. No further NRC evaluation of these discrepancies is necessary.

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This letter contains no new NRC commitments. Please contact Gene Eckholt (612) 388-1121 ext 4663 if you have any questions related to the information we have provided.



Roger O Anderson

Director

Licensing and Management Issues

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