

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

DOCKET NO. 50-282  
50-306

REQUEST FOR AMENDMENT  
OPERATING LICENSES DPR-42 AND 10

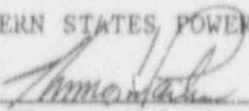
LICENSE AMENDMENT REQUEST DATED January 21, 1992

Northern States Power Company, a Minnesota corporation, requests authorization for changes to Appendix A of the Prairie Island Operating License as shown in the attachments labeled Exhibits A, B and C. Exhibit A describes the proposed changes, describes the reasons for the changes, and contains a significant hazards evaluation. Exhibit B and C are copies of the Prairie Island Technical Specifications incorporating the proposed changes.

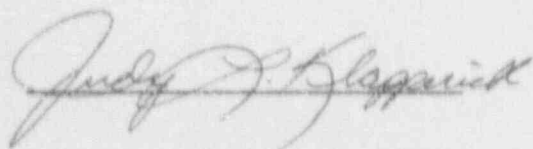
This letter contains no restricted or other defense information.

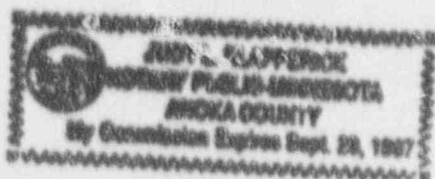
NORTHERN STATES POWER COMPANY

By

  
Thomas M Parker  
Manager  
Nuclear Support Services

On this 21 day of January, 1992 before me a notary public in and for said County, personally appeared Thomas M Parker, Manager Nuclear Support Services, and being first duly sworn acknowledged that he is authorized to execute this document on behalf of Northern States Power Company, that he knows the contents thereof, and that to the best of his knowledge, information, and belief the statements made in it are true and that it is not interposed for delay.





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Exhibit A

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

License Amendment Request dated January 21, 1992

Evaluation of Proposed Changes to the Technical Specifications  
for Operating Licenses DPR-42 and 60

Pursuant to 10 CFR Part 50, Section 50.59 and 50.90, the holders of Operating Licenses DPR-42 and 60 request the following change:

Proposed Change

Change the surveillance frequencies for the following pumps and valves to that required by the Inservice Testing Program:

1. The safety inspection pumps, residual heat removal pumps and containment spray pumps,
2. The boric acid tank valves,
3. The spray chemical additive tank valves,
4. The actuation circuits for the Cooling Water System valves, and
5. The auxiliary feedwater valves.

The periodic test for the steam turbine-driven auxiliary feedwater pump is proposed to be changed from yearly to once a refueling shutdown.

The Bases are being updated to as appropriate for the changes described above.

Reason for the Change

The equipment listed above currently is required to be tested once each month. The ASME Code Section XI, Inservice Testing Program specifies quarterly testing for the above equipment. The Standard Technical Specifications require this equipment to be tested per the Inservice Testing Program.

We would like to have the option to test this equipment quarterly. This would increase the time between surveillance testing from monthly to quarterly. This will cause less frequent testing and reduce the equipment failures associated with periodic starts and stops. This increase in surveillance frequency interval can have a negative effect on equipment availability. The longer time between tests can cause non-operational equipment failures (failures that occur when the piece of equipment is not operating to exist longer before identification).

A comparison between the associated Prairie Island Technical Specifications and the Standard Technical Specifications is shown in Table 1.

The first column identifies the current Prairie Island Technical specification testing frequency and section number.

The second column identifies the Standard Technical Specification testing frequency and section number. Section 4.0.5 refers to the Inservice Testing program. Several items identified in the Prairie Island Technical Specifications do not have specific surveillance frequencies specified in the Standard Technical Specifications. This is noted in the table by "Not specified." In these cases, Section 4.0.5 still applies to the testing of this equipment.

The third column identifies the proposed changes.

The fourth column identifies the current Prairie Island allowed out of service time and section number.

The fifth column identifies the Standard Technical Specification allowed out of service time and section number.

If column five is more restrictive than column four, the Prairie Island allowed out of service time should be adjusted. As shown in column six no changes are required.

Since the proposed surveillance frequencies and allowed out of service times are consistent with the surveillance frequencies and allowed out of service times in the Standard Technical Specifications, these changes conform to NRC policy.

The change to the full flow test of the Steam Turbine-driven Auxiliary feedwater pump will be consistent with the requirements for the motor-driven pumps. This test should not be done more frequently due to the thermal shock to the auxiliary feedwater lines (See Prairie Island Inservice Testing Program, Requests for Relief, Section 1.5-9, AF-16-1, 2 and AF-15-1, 2, 3, 4). This change is consistent with the testing required by the Inservice Testing Program.

#### Determination of Significant Hazards Considerations

The proposed changes to the Operating License has been evaluated to determine whether it constitutes a significant hazards consideration as required by 10 CFR Part 50, Section 50.91 using the standards provided in Section 50.92. This analysis is provided below:

1. The proposed amendment will not involve a significant increase in the probability or consequences of an accident previously evaluated.

The decrease in the number of equipment operational transients will increase reliability more than the delay in problem identification. The net effect of this change will have a positive effect on equipment availability. These changes are consistent with Standard Technical Specifications. Therefore, these changes will not effect the probability or consequences of previously analyzed accidents.

2. The proposed amendment will not create the possibility of a new or different kind of accident from any accident previously analyzed.

These changes only affect the equipment testing frequency, and therefore will not create the possibility of a new kind of accident or different kind of accident.

3. The proposed amendment will not involve a significant reduction in the margin of safety.

These changes will improve the performance of equipment and are intended to reduce the potential for equipment failures due to unnecessary testing. No safety margins will be affected.

Based the reasons discussed above, we have concluded that the proposed changes do not involve a significant hazards consideration.

TABLE 1

Equipment	Column 1: Existing Surv Requirement/ Location	Column 2: STS Surveillance Requirement/ Location	Column 3: Proposed Surveillance Requirement	Column 4: Existing Allowed Out of Service Time/ Location	Column 5: STS Allowed Out of Service Time/ Location	Col. 6: Change to Allowed Out of Service Time Needed?
SI, RHR, CS pumps	Monthly/ 4.5.B.1.a	Per 4.0.5/ 4.5.2.f, 4.6.2.1.b	Per 4.2	72 hours/ 3.3.A.2.a, 3.3.A.2.b, 3.3.B.2.b	72 hours/ 3.5.2.A, 3.5.2.A, 3.5.2.1 (Dual)	No change Needed
Boric Acid Tank Valves	Monthly/ 4.5.B.3.c	Not specified/ 4.5.4	Per 4.2	1 valve 72 hours/ 3.3.A.2.d	72 hours for a train/ 3.5.2.a	No change Needed
Spray Chemical Additive Tank Valves	Monthly/ 4.5.B.3.d	Not specified/ 4.6.2 (Dual)	Per 4.2	72 hours/ 3.3.B.2.b	72 hours/ 3.6.2.1 (Dual)	No change Needed
Cooling Water System Valves	Monthly/ 4.5.B.3.e	Not specified/ 4.7.4	Per 4.2	72 hours (headers)/ 3.3.D.2.c	72 hours (train)/ 3.7.4	No change Needed
Auxiliary FW Pump Discharge Valves	Monthly/ 4.8.A.3 and 4	Not specified/ 4.7.1.2.1	Per 4.2	72 hours (pump)/ 3.4.R.2	72 hours/ 3.7.1.2.a	No change Needed



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Environmental Assessment

This license amendment request does not change effluent types or total effluent amounts nor does it involve an increase in power level. The changes are administrative in nature. Therefore, this amendment will not result in any environmental impact.