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Docket No. 50-282
Docket No. 50-306

Northern States Power Company
ATTN: Mr. C. E. Larson
Vice President, Nuclear
Generation
414 Nicollet Mall
Minneapolis, MN 55401

Gentlemen:

SUBJECT: INSPECTION OF COMPLIANCE WITH 10 CFR 50, APPENDIX R,
APPLICABLE SECTIONS AND ASSOCIATED FIRE PROTECTION
FEATURES - PRAIRIE ISLAND PLANT, UNITS 1 AND 2
DOCKET NOS. 50-282 AND 50-306

This letter is to confirm the dates of July 18-22, 1988, for the special inspection of the Prairie Island Plant, Units 1 and 2, which were established during the telephone conversation of April 5, 1988, between Mr. Ken Beadell of your staff, and Mr. Joseph Ulie of this office.

We understand you would like to have a pre-Appendix R working level meeting on or around April 25, 1988. We would be glad to meet and discuss the upcoming Appendix R inspection with you at that time.

The purpose of this inspection is to re-evaluate Prairie Island, Units 1 and 2, for compliance with the applicable sections of Appendix R to 10 CFR 50. In addition, this inspection may review the implementation of the Fire Protection Program. This will be a team-type inspection composed of personnel from the NRC Region III office, our contractors (Brookhaven National Laboratory), and based on their availability, personnel from NRC's Headquarter's offices.

In order for us to properly prepare and perform this type of comprehensive and complex inspection, we request that you provide this office with the latest revision to the following additional information prior to our planned pre-Appendix R meeting, otherwise, please discuss with us a more agreeable date:

1. Piping and instrumentation (flow) diagrams for hot standby (shutdown) and cold shutdown systems, alternative or dedicated shutdown systems and the reactor coolant pump oil collection system.
2. Plant layout and equipment location drawings which identify the physical plant locations of hot standby (shutdown) and cold shutdown equipment.

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3. Clearly marked-up electrical raceway drawings which identify the cable routing of power control circuits for those plant systems necessary to achieve and maintain hot standby (shutdown)
4. Control electrical distribution diagrams, control schemes for shutdown components which are being controlled from the remote shutdown panel, and single line AC and DC power.
5. Plant layout drawings which identify fire area delineation and fire protection equipment locations.
6. Marked-up plant layout drawings which identify the locations of emergency lighting units.
7. Associated drawings which depict the physical and seismic design of reactor coolant pump oil collection system.
8. Associated circuit analysis including drawings of alternate shutdown panel, circuits, and fuse coordination.
9. Plant Operating Procedures which describe normal hot and cold shutdown from inside the control room, emergency hot and cold shutdown from emergency control stations outside and independent of the control room, and shutdown operations which utilize alternative or dedicated shutdown capability and natural circulation.
10. Fire damage control and repair procedures for cold shutdown systems.
11. Safe Shutdown Analysis (SSA) and a current Fire Hazards Analysis (FHA). The SSA and FHA need to list safe shutdown equipment and cabling in each area.
12. By listing each fire area/zone, please specify which specific part of Section III.G (i.e., III.G.2.a, III.G.3.b) that these fire areas/zones meet to comply with the Rule.

If you have already submitted to the NRC documents providing portions of the information requested, please identify those documents in your response to this letter.

Further, to assist in our inspection effort, please advise us in summary format of any deviation(s)/exemption(s) requested and granted or, requested and pending related to the applicable sections of 10 CFR 50, Appendix R. In addition to the information requested above, copies of any other analyses and/or evaluations which demonstrate compliance to the applicable sections of Appendix R, including any analysis written to satisfy Generic Letter 86-10, should be available onsite for review during this inspection. Appropriate personnel, knowledgeable with respect to those plant systems required for safe

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shutdown and their capabilities, should be available at the site during this inspection. Following the entrance meeting, we would appreciate a plant familiarization tour relative to areas containing safe shutdown equipment. Also, we request that your staff make the necessary arrangements to permit team members ready access to the radiologically controlled areas of the plant if necessary.

Your cooperation with us during this inspection will be appreciated. Should you have any questions concerning this letter, please contact J. M. Ulie at (312) 790-5712.

Sincerely,

Original Signed by J. J. Harrison

J. J. Harrison, Chief
Engineering Branch

cc: E. L. Watzl, Plant Manager
K. Beadell, Superintendent,
Technical Engineering
DCD/DCB (RIDS)
Licensing Fee Management Branch
D. DiIanni, LPM, NRR
Resident Inspector, RIII Prairie
Island
Resident Inspector, RII Monticello
John W. Ferman, Ph.D.,
Nuclear Engineer, MPCA
State Liaison Officer, State
of Minnesota

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Gardner
04/07/88

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Harrison
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