

Mr. M. Wadley
President, Nuclear Generation
Northern States Power Company
414 Nicollet Mall
Minneapolis, MN 55401

SUBJECT: NRC RADIATION PROTECTION INSPECTION REPORT 50-282/99005(DRS);
50-306/99005(DRS)

Dear Mr. Wadley:

On April 30, 1999, the NRC completed an inspection at your Prairie Island Nuclear Generating Plant. The enclosed report presents the results of that inspection. The inspection examined activities conducted under your license related to radiation safety and to compliance with the Commission's rules and regulations and with the conditions of your license.

Areas examined during the inspection included shutdown chemistry, portions of the internal dose monitoring and assessment program, and work planning to ensure that jobs were evaluated to maintain radiation doses As-Low-As-Is-Reasonably-Achievable (ALARA). Walkdowns within the containment, auxiliary and radwaste buildings were made to evaluate radiation worker practices and control of ongoing radiological work. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observations, and interviews with personnel. No violations of NRC requirements or open items were identified.

Overall, plant radiological controls were effective in maintaining a reasonable collective dose for the work being conducted during the Unit 1 refueling outage. An effective shutdown chemistry program contributed to reduced dose projections for the outage. The radiation protection staff and radiation worker performance was effective in ensuring that outage dose was maintained ALARA, and minor worker performance discrepancies identified during the inspection were addressed promptly by your staff.

In accordance with 10 CFR 2.790 of the NRC's "Rules and Practice," a copy of this letter and its enclosure will be placed in the NRC Public Document Room.

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M. Wadley

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We will gladly discuss any questions you have concerning this inspection.

Sincerely,

Gary L. Shear, Chief
Plant Support Branch

Docket Nos. 50-282; 50-306
License Nos. DPR-42; DPR-60

Enclosure: Inspection Report 50-282/99005(DRS); 50-306/99005(DRS)

cc w/encl: Site General Manager, Prairie Island
Plant Manager, Prairie Island
S. Minn, Commissioner, Minnesota
Department of Public Service
State Liaison Officer, State of Wisconsin
Tribal Council, Prairie Island Dakota Community

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