



Northern States Power Company  
Prairie Island Nuclear Generating Plant  
1717 Wakonade Dr. East  
Weich, Minnesota 55089

April 17, 1996

Bulletin 96-01

U S 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

Summary Report for Prairie Island Rod Drop Data (requested  
by Bulletin 96-01) from Unit 2 Reactor Trip of March 19, 1996

This letter summarizes the results of Rod Drop testing performed at Prairie Island Nuclear Generating Plant following a Unit 2 Reactor Trip which occurred on March 19, 1996. This testing was performed per requested action #3 of NRC Bulletin 96-01 Control Rod Insertion Problems.

Testing was performed identically to the normal refueling test by simultaneously dropping all rods from a full out position at hot (547°F) full pressure (2235 psig) full flow (100%) condition. The results of this testing are summarized in Table 1 attached. Of the 29 rods tested the highest exposure rod was approximately 41,776 MWD/MTU. All of the rods tested met the technical specification drop time requirements. No abnormalities were detected in rod drop time (rod full out to entry to dash pot region) nor in total rod drop time (full out to rod bottom). All rods experienced recoil upon rod bottom similar to normal refueling rod drop testing. In comparison of rod drop times to post refueling data no degradation in drop time nor rod recoil was evident.

The testing performed verified operability of each of the control rods and did not require any corrective actions.

In this letter we have made no new Nuclear Regulatory Commission commitments.

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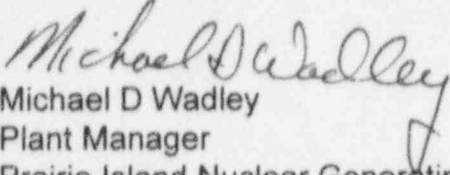
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NORTHERN STATES POWER COMPANY

Please contact Jack Leveille (612-388-1121, Ext. 4662) if you have any questions related to this letter.

  
Michael D Wadley  
Plant Manager  
Prairie Island Nuclear Generating Plant

c: Regional Administrator - Region III, NRC  
Senior Resident Inspector, NRC  
NRR Project Manager, NRC  
J E Silberg

Attachments:

1. Affidavit
2. Table 1, Prairie Island Unit 2 Rod Drop Data from 3/19/96 Reactor Trip

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

DOCKET NO. 50-282  
50-306

BULLETIN 96-01, CONTROL ROD INSERTION PROBLEMS

Northern States Power Company, a Minnesota corporation, with this letter is submitting information requested by NRC Bulletin 96-01.

This letter contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

BY Michael D Wadley  
Michael D Wadley  
Plant Manager  
Prairie Island Nuclear Generating Plant

On this 17<sup>th</sup> day of April 1996 before me a notary public in and for said County, personally appeared Michael D Wadley, Plant Manager, Prairie Island Nuclear Generating Plant; 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.

Marcia K LaCore

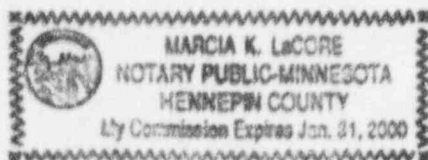


TABLE 1

## Prairie Island Unit 2 Rod Drop Data from 3/19/96 Reactor Trip

Rod	Exposure MWD/MTU	Drop Time (msec) * 3/19/96	Total Drop Time (msec) 3/19/96	Drop Time (msec)* 6/26/95	Total Drop Time (msec) 6/26/95
B8	10943	1278	1832	1296	1818
H2	11013	1284	1808	1290	1766
F2	11084	1262	1812	1262	1782
B6	11091	1278	1820	1282	1780
L8	11243	1270	1824	1274	1786
L6	11292	1268	1814	1270	1786
H12	11443	1278	1770	1279	1787
F12	11501	1294	1812	1296	1764
E3	11655	1258	1812	1260	1784
C5	11788	1270	1846	1276	1824
I3	11820	1276	1830	1278	1798
K5	11828	1274	1830	1274	1798
K9	11829	1266	1808	1270	1784
C9	11876	1264	1816	1264	1782
E11	11924	1280	1830	1282	1802
I11	11991	1270	1838	1272	1812
D4	34301	1276	1820	1284	1826
D10	34762	1278	1802	1276	1794
J4	34788	1296	1814	1290	1794
J10	34899	1282	1808	1288	1808
G3	35642	1272	1782	1258	1764
K7	35656	1270	1778	1296	1790
C7	35677	1284	1770	1268	1750
G11	36395	1262	1764	1252	1746
H8	37372	1278	1796	1278	1784
F8	37392	1280	1776	1282	1766
H6	37763	1284	1838	1290	1828
F6	37828	1280	1802	1282	1788
G7	41776	1290	1782	1298	1770

\* Drop Time is required to be less than 1800 mSec per Prairie Island Technical Specification 3.10.H.