



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

February 24, 1997

Technical Specification
Sections 6.7.A.1.a, 6.7.A.1.b
and 6.7.A.1.c

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
72-10	SNM-2506

Annual Report of Occupational Radiation Exposure and Safety
Relief Valve Challenges - January 1 through December 31, 1996

Attached are three reports for 1996:

- 1) Annual Report of Occupational Exposure
(Required by Technical Specification 6.7.A.1.a)
 - 2) Annual Report of Safety and Relief Valve Failures and Challenges
(Required by Technical Specification 6.7.A.1.b)
 - 3) Annual Primary Coolant Iodine Spike Report
(Required by Technical Specification 6.7.A.1.c)
- IES6/1

In this letter we have made no new Nuclear Regulatory Commission commitments, nor does it modify any prior commitments.

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USNRC
February 24, 1997
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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.

Jack Leveille

for Joel P Sorensen
Plant Manager
Prairie Island Nuclear Generating Plant

c: Director, Office of Nuclear Regulatory Research
Regional Administrator - Region III, NRC
Senior Resident Inspector, NRC
NRR Project Manager, NRC
State of Minnesota,
Attn: Kris Sanda

Attachments:

1. Occupational Exposure Report
2. Report of Safety/Relief Valve Failures and Challenges
3. Primary Coolant Spike Report

ATTACHMENT 1

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
ANNUAL REPORT OF OCCUPATIONAL RADIATION EXPOSURE

1996

NORTHERN STATES POWER COMPANY
 Prairie Island Nuclear Generating Plant
 1717 Wakonade Drive East
 Welch, MN 55089

License No. DPR-42/DPR-60 & SNM-2506
 (Unit 1, Unit 2 & ISFSI)

Number of Personnel and Man-Rem by Work and Job Function

1996

Work/Job Function	Number of Persons > 0.100			Total Man-Rem		
	Station	Utility	Contract	Station	Utility	Contract
Inservice Inspection						
Operators	0	0	0	0.031	0.0	0.0
Maintenance	5	33	11	2.830	11.652	3.982
Supv & Engr	3	1	22	1.159	0.114	6.513
Health Physics	0	0	1	0.118	0.0	0.57
Instr & Control	1	0	1	0.165	0.0	0.181
Security	0	0	0	0.0	0.0	0.0
Routine Maintenance						
Operators	0	0	0	0.066	0.0	0.0
Maintenance	15	22	14	3.410	7.579	5.146
Supv & Engr	1	0	2	0.903	0.078	0.453
Health Physics	0	0	0	0.180	0.0	0.069
Instr & Control	3	0	0	0.820	0.0	0.0
Security	0	0	0	0.0	0.0	0.0
Reactor Ops/Surv						
Operators	0	0	0	1.531	0.0	0.0
Maintenance	0	0	0	0.379	0.056	0.100
Supv & Engr	2	0	0	1.058	0.051	0.079
Health Physics	5	0	13	1.685	0.0	3.642
Instr & Control	2	0	0	0.743	0.0	0.0
Security	0	0	0	0.0	0.0	0.0

DPR-42/DPR-60

Work/Job Function	Number of Persons > 0.100			Total Man-Rem		
	Station	Utility	Contract	Station	Utility	Contract
Refueling						
Operators	5	0	0	3.043	0.0	0.0
Maintenance	15	45	1	3.809	11.776	0.340
Supv & Engr	4	0	0	1.102	0.043	0.0
Health Physics	0	0	1	0.035	0.0	0.188
Instr & Control	0	0	0	0.0	0.0	0.0
Security	0	0	0	0.0	0.0	0.0
Special Maintenance						
Operators	0	0	0	0.054	0.0	0.0
Maintenance	4	5	4	1.701	3.512	1.227
Supv & Engr	2	0	44	0.571	0.105	21.655
Health Physics	0	0	0	0.187	0.0	0.755
Instr & Control	2	0	0	0.266	0.0	0.0
Security	0	0	0	0.0	0.0	0.0
Waste Processing						
Operators	0	0	0	0.077	0.0	0.0
Maintenance	5	0	1	2.294	0.214	0.116
Supv & Engr	0	0	0	0.148	0.041	0.0
Health Physics	3	0	0	1.259	0.0	0.036
Instr & Control	0	0	0	0.0	0.0	0.0
Security	0	0	0	0.0	0.0	0.0
Unassigned Dose				1.916	0.058	-0.041
Sub totals						
Operators	5	0	0	4.802	0.0	0.0
Maintenance	44	105	31	14.423	34.789	10.911
Supv & Engr	12	1	68	4.941	0.432	28.700
Health Physics	8	0	15	3.464	0.0	5.260
Instr & Control	8	0	1	1.994	0.0	0.181
Security	0	0	0	0.0	0.0	0.0
Unassigned Dose				1.916	0.058	-0.041
Grand Total	77	106	115	31.540	35.279	45.011
				Total Dose		111.830

ATTACHMENT 2

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

ANNUAL REPORT OF SAFETY/RELIEF VALVE FAILURES AND CHALLENGES

1996

This report is made in accordance with Prairie Island Technical Specification 6.7.A.1.b and covers the period from January 1 through December 31, 1996.

Unit 1 - No failures or challenges

Unit 2 - No failures or challenges

ATTACHMENT 3

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

ANNUAL PRIMARY COOLANT IODINE SPIKE REPORT

1996

This report is made in accordance with Prairie Island Technical Specification 6.7.A.1.c and covers the period of January 1, 1996 through December 31, 1996.

Prairie Island Technical Specification 3.1.D.1 was not exceeded during 1996.