

NORTHERN STATES POWER COMPANY  
MONTICELLO NUCLEAR GENERATING PLANT  
DOCKET NO. 50-263 LICENSE NOS. DPR-22

ASME CODE SECTION XI INSERVICE INSPECTION AND TESTING PROGRAM

AND

INFORMATION REQUIRED FOR NRC REVIEW OF REQUESTS  
FOR RELIEF FROM ASME CODE SECTION XI REQUIREMENTS

SUBMITTED: March 15, 1978

REVISED: Revision 1  
August 28, 1978

Revision 2  
January 5, 1979

Revision 3  
February 26, 1979

Revision 4  
July 27, 1979

7908030 489

440 014

# RECORD OF REVISIONS

<u>Page No</u>	<u>Revision No</u>	<u>Page No</u>	<u>Revision No</u>
Cover	4	3-2	4
ii	Original	3-9	Original
iii	4	3-10	4
iv	Original	3-11	2
1-1	Original	3-12	4
1-2 thru 1-3	1	3-13	2
1-4	3	3-14	Original
1-5	1	3-15 thru 3-19	2
1-6 thru 1-8	3	3-20 thru 3-24	3
1-9 thru 1-11	Original	4-1	1
1-12	1	4-2 thru 4-4	Original
1-13 thru 1-16	3	4-5	2
1-17	Original	4-6 thru 4-7	Original
1-18	1	4-8	3
1-19 thru 1-20	Original	4-9	2
1-21	3	4-10 thru 4-11	Original
1-22 thru 1-27	1	4-12	1
1-28	3	4-13	Original
1-29	1	4-14	1
1-30	Original	4-15	Original
1-31	1	4-16	2
1-32 thru 1-34	3	4-17 thru 4-22	1
1-35	1	4-23 thru 4-27	Original
1-36	3	4-28	1
1-37 thru 1-39	Original	4-29 thru 4-31	Original
1-40 thru 1-41	3	4-32	2
1-42	Original	4-33	Original
1-43	1	4-34	2
1-44	Original	4-35 thru 4-36	Original
1-45	1	4-37	2
1-45A	1	4-38	1
1-46 thru 1-47	3	4-39	3
1-47A	3	4-40	1
1-48	1	4-41 thru 4-43	2
1-49	1	4-44 thru 4-45	3
1-50	Original	5-1 thru 5-31	Original
2-1	2	6-1	3
3-1	4	6-2	1
3-2	1	6-3 thru 6-7	Original
3-3 thru 3-7	2	6-8	2
		6-9 thru 6-10	Original
		6-11	2
		6-12 thru 6-14	Original
		6-15	4
		6-16 thru 6-20	Original
		6-21	3

SECTION 3 INSERVICE TESTING OF PUMPS AND VALVES

- A. Applicable ASME Code Edition and Addenda: 1974 Edition through and including Summer 1975 Addenda
- B. Program Period: October 28, 1979 to June 30, 1981

Key for 3.C Pump Testing Table

M = Monthly  
NR = Not required (constant speed drive or fixed resistance system)  
NA = Not applicable (sealed bearings)  
RR = See request for relief

Key for 3.D Valve Testing Table

Q = Quarterly  
NR = Not Required  
RR = See request for relief  
CSIQ = Cold Shutdown, not more often than quarterly.  
IWV-3510 = In accordance with the requirements of paragraph IWV-3510.  
IWV-3610 = In accordance with the requirements of paragraph IWV-3610.

440 016

System	Valve Number	FSAR Valve No.	Description	Applicable ASME Code Class	Valve Category	Test Frequency	Test	Request For Relief
RHR	RHR-6-1	81A	RHR Loop Block	1	E	NR	Valve Lineup	
RHR	RHR-6-2	81B	RHR Loop Block	1	E	NR	Valve Lineup	
RHR	RHR-1-1	152A	RHR Pump Suction Block	2	E	NR	Valve Lineup	
RHR	RHR-1-2	152B	RHR Pump Suction Block	2	E	NR	Valve Lineup	
RHR	RHR-1-3	152C	RHR Pump Suction Block	2	E	NR	Valve Lineup	
RHR	RHR-1-4	152D	RHR Pump Suction Block	2	E	NR	Valve Lineup	
RHR	RHR-3-1	47A	RHR Pump Disch Block	2	E	NR	Valve Lineup	
RHR	RHR-3-2	47B	RHR Pump Disch Block	2	E	NR	Valve Lineup	
RHR	RHR-3-3	47C	RHR Pump Disch Block	2	E	NR	Valve Lineup	
RHR	RHR-3-4	47D	RHR Pump Disch Block	2	E	NR	Valve Lineup	
RHR	RHR-18-1	30A	CST to RHR Block	2	E	NR	Valve Lineup	
RHR	RHR-18-2	30B	CST to RHR Block	2	E	NR	Valve Lineup	
Core Spray	AO-14-13A	AO-13A	Loop Inj. Check	1	A, C	CSIQ	Exercise	
Core Spray	AO-14-13B	AO-13B	Loop Inj. Check	1	A, C	CSIQ	Exercise	
Core Spray	MO-1753	MO-12A	Core Spray Injection	1	A	Q	Full Stroke-Time	28
Core Spray	MO-1754	MO-12B	Core Spray Injection	1	A	Q	Full Stroke-Time	28
Core Spray	MO-1751	MO-11A	Core Spray Injection	2	B	Q	Full Stroke-Time	28
Core Spray	MO-1752	MO-11B	Core Spray Injection	2	L	Q	Full Stroke-Time	28

# POOR ORIGINAL

System	Valve Number	FSAR Valve No.	Description	Applicable ASME Code Class	Valve Category	Test Frequency	Test	Request For Relief
HPCI	MO-2068	MO-19	Pump Discharge Isol	2	B	Q	Full Stroke-Time	28
HPCI	AO-23-18	AO-18	Clg Wtr Disch Check	2	C	CSIQ	Exercise	
HPCI	MO-2071	MO-21	Test return to CST	2	B	Q	Full Stroke-Time	28
HPCI	MO-2067	MO-20	Coolant Pump Disch.	2	B	Q	Full Stroke-Time	28
HPCI	CV-2065	41	Min Flow Bypass	2	B	Q	Full Stroke-Time	28
HPCI	HPCI-42	62	Min Flow Bypass Check	2	C	RR	RR	7
HPCI	RV-2064	34	Relief Valve	2	C	IWV-3510	Setpoint	
HPCI	HPCI-32	32	CST Suction Check	2	C	Q	Exercise	
HPCI	MO-2063	MO-17	CST Suction	2	B	Q	Full Stroke-Time	28
HPCI	MO-2062	MO-57	Torus Suction	2	B	Q	Full Stroke-Time	28
HPCI	HPCI-31	61	Torus Suction Check	2	C	RR	RR	7
HPCI	MO-2061	MO-58	Torus Suction	2	B	Q	Full Stroke-Time	28
HPCI	HPCI-33	33	Pump Suction Block	2	E	NR	Valve Lineup	
HPCI	MO-2034	MO-15	Steam Supply Isolation	1	A	Q	Full Stroke-Time	28
HPCI	MO-2035	MO-16	Steam Outboard Isolation	1	A	Q	Full Stroke-Time	28
HPCI	MO-2036	MO-14	Turbine Steam Supply	2	B	Q	Full Stroke-Time	28
HPCI	HO-7	HO	Turbine Stop Valve	2	B	Q	Full Stroke	10
HPCI	HO-8	HO	Turbine Control Valve	2	B	Q	Full Stroke-Time	28

Revision 4  
7/27/79

3440 018

# POOR ORIGINAL

System	Valve Number	FSAR Valve No.	Description	Applicable ASME Code Class	Valve Category	Test Frequency	Test	Pr. Test or Relief
RCIC	MD-2075	MD-2075	Steam Supply Isolation	1	A	Q	Full Stroke-Time	28
RCIC	MD-2076	MD-2076	Steam Supply Isolation	1	A	Q	Full Stroke-Time	28
RCIC	MD-2078	MD-2078	Steam Supply to Turbine	2	B	Q	Full Stroke-Time	28
RCIC	RCIC-7	None	Throttle Trip Valve	2	B	Q	Full Stroke	10
RCIC	HD	None	RCIC Governing	2	B	RR	RR	
RCIC	PCV-2092	PCV-2092	Condenser Press Cont	2	B	RR	RR	
RCIC	RCIC-16	None	Vac Pump Disch Check	2	A, C	RR	RR	7
RCIC	MD-2100	MD-2100	Inboard Torus Suction	2	B	Q	Full Stroke-Time	28
RCIC	RCIC-31	None	Check Valve to Torus	2	C	RR	RR	7
RCIC	MD-2101	MD-2101	Outboard Torus Suction	2	B	Q	Full Stroke-Time	28
RCIC	RCIC-41	None	Check Valve to CST	2	C	Q	Exercise	
RCIC	MD-2102	MD-2102	CST Suction	2	B	Q	Full Stroke-Time	28
RCIC	RV-2103	RV-2103	RCIC Suction Line Relief Valve	2	C	1WV-3510 Setpoint		
RCIC	CV-2104	CV-2104	Min Flow Bypass	2	B	Q	Full Stroke-Time	28
RCIC	RCIC-37	None	Min Flow Bypass Check	2	C	RR	RR	7
RCIC	MD-2106	MD-2106	Pump Discharge	2	B	Q	Full Stroke-Time	28
RCIC	MD-2107	MD-2107	Pump Discharge	2	B	Q	Full Stroke-Time	28
RCIC	AO-13-22	AO-13-22	Pump Disch Check	2	C	CSIQ	Exercise	

3-12 440 019

Revision 4  
7/27/79

