



Northern States Power Company

Monticello Nuclear Generating Plant  
2807 West County Road 75  
Monticello, MN 55362

May 30, 2000

US Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

MONTICELLO NUCLEAR GENERATING PLANT  
Docket No. 50-263 License No. DPR-22

Inservice Inspection (ISI) Examination  
Summary Report - Refueling Outage No. 20

Enclosed for your information are four copies of the Inservice Inspection (ISI) examination summary report for the 2000 Monticello refueling outage (Refueling Outage No. 20). The 2000 outage represented the third period of Monticello's third 10-year ISI interval.

The enclosed report identifies components examined, the examination methods used, the examination number, and summarizes the results. The examination plan focused on: 1) the pressure retaining components and their supports associated with the reactor coolant system and associated systems classified as ASME Classes 1 and 2, 2) reactor vessel examination, 3) system pressure testing, 4) repair and replacement, and 5) snubber inservice testing. All anomalies were either corrected or an engineering evaluation was performed to accept "as-is" conditions.

As stated in section 3.0 of the attached inspection report, a relief request (Ref. 1) was submitted to address components with limited examinations. This relief request is based upon 10 CFR 50.55a(g) and ASME Code Case N-460.

Please contact Sam Shirey, Sr. Licensing Engineer, at (612) 295-1449 if you require additional information.

*Sam Shirey for Byron D. Day*

Byron D. Day  
Plant Manager  
Monticello Nuclear Generating Plant

- c: Regional Administrator-III, NRC (2 copies of attachment)  
NRR Project Manager, NRC (w/o attachment)  
Sr. Resident Inspector, NRC (1 copy of attachment)  
J Silberg (w/o attachment)  
Jim Larsen, Chief Boiler Inspector, State of MN (1 copy of attachment)  
Paul Fisher, Hartford Ins. (1 copy of attachment)

Reference

- 1) Letter from NSP to US Nuclear Regulatory Commission, "Request for Relief No. 11 for the 3rd 10-Year Interval Inservice Inspection Program" May 25, 2000

Enclosure

**NORTHERN STATES POWER COMPANY  
414 NICOLLET MALL  
MINNEAPOLIS, MN 55401**

**MONTICELLO NUCLEAR GENERATING PLANT  
2807 WEST HWY 75  
MONTICELLO, MN 55362**

**REFUELING OUTAGE NUMBER 20  
OUTAGE DATES 1-6-2000 TO 2-28-2000  
COMMERCIAL SERVICE DATE JUNE 30, 1971  
INSERVICE INSPECTION INTERVAL 3, PERIOD 3**

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Prepared By:   
Inspection Supervisor - Richard Deopere

Reviewed By:   
ISI Program Engineer. - Daniel Whitcomb

Approved By:   
Superintendent M&SP - Jeff Ricker

Report Date: MAY 12, 2000

**I. Summary**

Page 1 of 2

**1.0 Introduction**

The twentieth Monticello refueling outage began January 6, 2000 and ended February 28, 2000. This report is for examinations performed for the Inservice Inspection Interval 3, Period 3.

In reference to the NRC letter received April 18, 1990 from William Long entitled "Monticello - Feedwater Nozzle PT Inspection Program (TAC No.75101)" with attached "Safety Evaluation of Monticello Nuclear Station's Proposed Feedwater Inspection Program" and the reporting requirements of NUREG 0619 Section 4.4.3, the following information relating to the feedwater nozzle and sparger inspection performed during the 2000 Refuel and Maintenance Outage is provided for use by the NRC staff.

The total number of startup cycles since the last feedwater nozzle and sparger visual inspections were done during the 1998 refuel outage is 6. The total number of shutdown cycles since the 1998 outage is also 6.

**2.0 Personnel**

Visual and nondestructive examinations were performed by NSP, Lambert-MacGill-Thomas, and Framatone Technologies. Hartford Steam Boiler Inspection and Insurance Company provided the Authorized Inspection. Copies of personnel certifications are maintained on file by Northern States Power Company.

**3.0 Inspection Summary**

Comprehensive visual examinations of reactor vessel internal components (IVVI) were conducted to ensure the continued integrity of the RPV internals. Additionally, enhanced visual inspections (EVT-1) were performed per the recommendations set forth in BWRVIP-03.

Hanger and component support examinations, listed in Appendix A as "F-A,B,C", include the applicable examination requirements of ASME Section XI Subsection IWF and applicable requirements of Code Case N-491.

**I. Summary**

Page 2 of 2

**3.0 Inspection Summary (continued)**

Examinations required for Class MC components were conducted according to the requirements set forth in ASME Section XI, Subsection IWE of the 1992 Code, '92 Addenda.

Code Case N-460, Alternative Examination Coverage for Class 1 and 2 Welds, which allows reduction in coverage of <10% due to interference or part geometry to be considered essentially 100% examination volume or area, was applied to all instances of reduced exam coverage and recorded on the appropriate examination record.

Components with examination limitations which did not meet the Code exam coverage requirements ( $\leq 90\%$  coverage obtained) will be included in a Request for Relief under separate cover.

Results of the Class 1, 2, & 3 ISI exams, noted conditions, corrective actions, and exam limitations are listed on the attached appendices. All anomalies were either corrected, or an engineering evaluation was performed to accept "as-is" conditions.

Results of the examinations indicate that the integrity of the plant systems has been maintained.

**4.0 Examination Reports, Equipment and Materials**

Examination reports contain references to procedures, equipment and materials used to complete specific examinations. Copies of the examination reports, examination procedures, and equipment records are available at Northern States Power Company.

This Summary Report contains several abbreviations which are identified below:

- CR = Condition Report
- GEO = Geometry - indication attributable to part structure / configuration
- IND = Indication, requires further evaluation
- ISO = ISI Isometric Drawing
- MOD = Modification
- NAD = No Apparent Defects
- NC = Non-Code Commitment Exam
- NCR = Non-Conformance Report
- PM = Preventative Maintenance
- PSI = Pre-Service Inspection
- RFO = Refueling Outage
- RPV = Reactor Pressure Vessel
- WO = Work Order

II. Form NIS-1 Information

Page 1 of 2

**Form NIS-1 Owner's Data Report for Inservice Inspections**  
As required by the Provisions of the ASME Code Rules

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1. **Owner:** Northern States Power Company  
**Address:** 414 Nicollet Mall; Minneapolis, MN 55401
2. **Plant:** Monticello Nuclear Generating Plant  
**Address:** Monticello, MN 55362
3. **Plant Unit:** 1                      4. **Owner (Certificate of Authorization):** N/A
5. **Commercial Service Date:** 6/30/71      6. **National Board No. for Unit:** N/A

7. **Components Inspected:**

<u>Component or Appurtenance</u>	<u>Manufacturer or Installer</u>	<u>Manufacturer or Installer Serial No.</u>	<u>State or Province No.</u>	<u>National Board No.</u>
Reactor Pressure Vessel	Chicago Bridge & Iron	B-4697	---	---

**ASME (See appendices for components inspected this outage)**

8. **Examination Dates:** 04/26/98 to 02/28/00.
9. **Inspection Interval:** 06/01/92 to 05/31/02.
10. **Applicable Edition of Section XI:** 1986 Addenda: (none).
11. **Abstract of Examinations.** Include a list of examinations and a statement concerning status of work required for current interval.
- See appendices A through D (Attached)
12. **Abstract of Conditions Noted.**
- See appendices A through D (Attached)
13. **Abstract of Corrective Measures Recommended and Taken.**
- See appendices A through D (Attached)

II. Form NIS-1 Information

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Certification of Authorization No. (if applicable) — Expiration Date —

Date 5-15 2000 Signed Northern States Power By Daniel A Whitcomb  
Owner ISE ENGINEER

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Minnesota and employed by H&B E&I Co of Hartford, CT have inspected the components described in this Owner's Report during the period 1-6-2000 to 2-26-2000 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Paul D. Fisher Commissions MA# 447  
Inspector's Signature National Board, State, Province, Endorsements

Date May 23 2000

**III. NIS-2 Information**

NIS-2 forms are included for the following repairs and replacements (27 NIS-2 forms, 2-4 pages each):

<u>SHEET #</u>	<u>SYSTEM</u>	<u>WO, MOD, PM</u>	<u>DESCRIPTION</u>
1 of 27	HPCI	99Q190	Replaced HPCI Steam Exhaust vacuum breaker valves
2 of 27	Main Steam Safety / Relief Valve	4280-3PM	Repair, seal welded bellows to SRV topworks body
3 of 27	Main Steam Safety / Relief Valve	9904296	Repair, enlarge flange gasket groove per Alteration No 99A011
4 of 27	Main Steam Safety / Relief Valve	4280-3PM	Weld repair of gouge present in topworks flange
5 of 27	Main Steam Safety / Relief Valve	4280-3PM	Replace Pilot Assembly - Main Stage flange bolting
6 of 27	Main Steam Safety / Relief Valve	4280-3PM	Add weld metal to bellows mounting pedestal & weld bellows to topworks body
7 of 27	Main Steam Safety / Relief Valve	4280-3PM	Add weld metal to bellows mounting pedestal, weld bellows to topworks body, repair seat area, machining of threads
8 of 27	Main Steam Safety / Relief Valve	4280-3PM	Add weld metal to bellows mounting pedestal & weld bellows to topworks body
9 of 27	Main Steam Safety / Relief Valve	9905791	Weld repair of gouge present in main stage body flange
10 of 27	Emergency Service Water	99Q050	Replaced ESW pumps P-111C and P-111D
11 of 27	Emergency Service Water	99Q175	Replaced pipe and coils
12 of 27	Condensate Service Water	E98Q130	Replaced existing check valves with new
13 of 27	RWCU	9904991	Replaced outboard isolation valve MO-2398



**III. NIS-2 Information (continued)**

<u>SHEET #</u>	<u>SYSTEM</u>	<u>WO, MOD, PM</u>	<u>DESCRIPTION</u>
14 of 27	RWCU	9904990	Replaced inboard isolation valve MO-2397
15 of 27	HPCI Steam	9904989	Replaced outboard isolation valve MO-2035
16 of 27	RCIC	99Q190	Replaced RCIC steam exhaust vacuum breaker valves
17 of 27	Emergency Service Water	00Q045	Replaced pipe to RHR rooms
18 of 27	RHR Service Water	00Q015	Replaced portion of B loop pipe
19 of 27	RHR Service Water	NGS-00Q015-02	Replaced service water header SW10-18"-GF
20 of 27	Emergency Service Water	NGS-99Q175-01	Replaced ESW Piping Supports
21 of 27	Emergency Service Water	NGS-99Q175-06 & 07	Replaced ESW supports on SW30B-3" piping
22 of 27	Emergency Service Water	NGS-98Q045-03 & 04	Replaced ESW supports on SW30B-3" piping
23 of 27	RHR Service Water	NGS-98Q045-07 & 08	Replaced RHR SW supply line piping
24 of 27	Emergency Service Water	NGS-99Q175-04 & 05	Replaced ESW supports on SW30B-3" piping
25 of 27	Emergency Service Water	NGS-99Q175-03	Replaced ESW supports
26 of 27	Main Steam	Procedure 4514-01	Replaced six (6) bonnet studs and eight (8) bonnet nuts on inboard isolation valve AO-2-80D
27 of 27	RHR Service Water	9803745	Weld repair on spare RHR SW pump bowls 1, 2, 3, 5, 6, 7, & discharge case

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 3/2/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 Address  
Design change 99Q190.  
Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name  
Monticello, MN 55362 Address  
Authorization No. NA  
Expiration Date NA
4. Identification of System HPCI System
5. (a) Applicable Construction Code ANSI B 31.1, 1977 Edition  
Addenda Winter 1978 Code Case NA  
Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
HPCI-65	Circle Seal	-	-	224S-16PP	1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HPCI-65	BNL	-	-	-	1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HPCI-71	Circle Seal	-	-	224S-16PP	1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HPCI-71	BNL	-	-	-	1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced HPCI steam exhaust vacuum breakers valves.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 188 psi Test Temp Ambt °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____				
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N	Freq: 0 yrs
	ARMS: 3613	Doc Type: REF ONLY	Admin initials:	Date:

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
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		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

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**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed Kahitche, Sr. Specialty Engineer Date 3-2-, 2000  
Owner or Owner's Designee, Title  
Supt. Maint./Proc. Engr.

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBIE INS. CO. of HART FORD, CONN. have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 228 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Lawrence E. Dahl Commissions MN 174-99  
Inspector's Signature National Board, Province and Endorsements

Date March 3, 2000

**APPROVED (Signatures available in Master File)**

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		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

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1. Owner Northern States Power Co. Date 2/28/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 4280-3PM  
Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Address Expiration Date NA  
Address
4. Identification of System Main Steam Safety / Relief Valve.
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda NA Code Case NA Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Main Steam SV/RV</i>	<i>Target Rock</i>	<i>122</i>	<i>-</i>	<i>NV/122</i>	<i>1973</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>170</i>	<i>-</i>	<i>NV/170</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>243</i>	<i>-</i>	<i>NV/243</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Seal weld bellows to SRV topworks body.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 1109 psi Test Temp 550 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u> Freq: <u>0</u> yrs
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____ Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

GE Spec. No. 21A9206. Tested under vessel hydro 0255-20-IIC-1.

#### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed *Bob (Ch) Sr. Specialty Engineer* Date 2-29- 2000  
 Owner or Owner's Designee, Title  
*JMHL* SUPT, MATLS/PROG ENGR.

#### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HART FORD, CONN. have inspected the components described in this Owner's Report during the period 3RD (4-26-98) 229003RD, INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

*Erwood Edall* Commissions MN 174.99  
 Inspector's Signature National Board, Province and Endorsements

Date March 3 2000

**APPROVED (Signatures available in Master File)**

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		Page 1 of 2

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1. Owner Northern States Power Co. Date 2/28/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 Address WO NO.:9904296  
Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Address Expiration Date NA
4. Identification of System Main Steam Safety / Relief Valve.
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda NA Code Case NA Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Main Steam SV/RV</i>	<i>Target Rock</i>	<i>196</i>	<i>-</i>	<i>NV/196</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>170</i>	<i>-</i>	<i>NV/170</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>208</i>	<i>-</i>	<i>NV/208</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>169</i>	<i>-</i>	<i>NV/169</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>194</i>	<i>-</i>	<i>NV/194</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Enlarge flange gasket groove per Alteration No.:99A011.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u>
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____
			Freq: <u>0</u> yrs Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Leak tested per vessel hydro Procedure # 0255-20-IIC-1.

Also enlargement of groove per alteration No 99A011 was performed on Valves

195(NV/195), 197(NV/197), 216(NV/216) & 217(NV/217) under same WO 9904296.

GE Specification 21A9206.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this conforms to the rules on the ASME Code, Section XI.

REPAIR

repair/replacement

Signed

Robert Chm, Sr. Specialty Engineer  
Owner or Owner's Designee, Title

Date 2-29-2000

Jeff Hill Supt MATS / Prog ENGR

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HARTFORD CONN. have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 2-28-00 BOARD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Lawrence J. Della  
Inspector's Signature

Commissions

MN 174.99

National Board, Province and Endorsements

Date

March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
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1. Owner Northern States Power Co. Date 2/28/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 WO NO.:4280-3PM  
Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address
4. Identification of System Main Steam Safety / Relief Valve.
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda NA Code Case NA Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Main Steam SV/RV</i>	<i>Target Rock</i>	<i>122</i>	<i>-</i>	<i>NV/122</i>	<i>1973</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>170</i>	<i>-</i>	<i>NV/170</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>53</i>	<i>-</i>	<i>NV/53</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>243</i>	<i>-</i>	<i>NV/243</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Weld repair of gouge present in topworks flange.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1109 psi Test Temp 550 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u>
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____
			Freq: <u>0</u> yrs
			Date: _____

**APPROVED (Signatures available in Master File)**



<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

GE Spec. No. 21A9206. Tested under vessel hydro 0255-20-IIC-1.

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the rules on the ASME Code, Section XI.

REPAIR

repair/replacement

Signed Rohit Kh., Sr. Specialty Engineer Date 2-29-2000

Owner or Owner's Designee, Title

SUPV, MATLS/PROG ENGR

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and, the State or Province of MINNESOTA and employed by HSBIE INS. CO. of HARTFORD, CONN have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 2000 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Lawrence Edell  
Inspector's Signature

Commissions

MN 174.99  
National Board, Province and Endorsements

Date March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 2/28/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 WO NO.:4280-3PM  
Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address
4. Identification of System Main Steam Safety / Relief Valve.
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda NA Code Case NA Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Main Steam SV/RV</i>	<i>Target Rock</i>	<i>196</i>	<i>-</i>	<i>NV/196</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>208</i>	<i>-</i>	<i>NV/208</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>6</i>	<i>-</i>	<i>NV/6</i>	<i>1967</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>MSV/RV</i>	<i>Target Rock</i>	<i>169</i>	<i>-</i>	<i>NV/169</i>	<i>1989</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replace Pilot Assembly-to-Main stage flange bolting.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u> Freq: <u>0</u> yrs
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____ Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Leak tested per vessel hydro Procedure # 0255-20-IIC-1.

G.E Valve specification: 21A9206

Material Change for bolts : A 193-B16 For A193-B7, Change from fine Threads ro coarse.

NSP Alteration 97A011, Rev. 1

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed Ralph White, Sr. Speciality Engineer Date 2-29-, 2000  
 Owner of Owner's Designee, Title  
JM ml SUPT MATLS/PROG ENGR.

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HARTFORD, CONN. have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 2-28-00 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Lawrence Edillon  
 Inspector's Signature

Commissions MN 174.99  
 National Board, Province and Endorsements

Date March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 2/28/2000  
 Name

2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
 Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 WO NO.:4280-3PM  
 Address Repair Organization P.O. No., Job No. etc.

3. Work Performed By NSP Type Code Symbol Stamp NA  
 Company Name Authorization No. NA  
Monticello, MN 55362 Address Expiration Date NA  
 Address

4. Identification of System Main Steam Safety / Relief Valve.

5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
 Addenda NA Code Case NA  
 Year

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Main Steam SV/RV</i>	<i>Target Rock</i>	<i>5</i>	<i>-</i>	<i>NV/5</i>	<i>1967</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Add weld metal to bellows mounting pedestal & weld bellows topwork body.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated:			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u>
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____
			Freq: <u>0</u> yrs
			Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

GE specification No. 21A1060.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed Rahit Chohan Sr. Speciality Engineer Date 2-29-2000  
Owner or Owner's Designee, Title  
JPH SUPT, MATLS/PROJ ENGR.

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HARTFORD, CONN. have inspected the components described in this Owner's Report during the period 3RD (4-26-99) to 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

James D. Della Commissions MN 174.99  
Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 3

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 2/28/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 3  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 WO NO.:4280-3PM  
Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address
4. Identification of System Main Steam Safety / Relief Valve.
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda NA Code Case NA  
Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Main Steam SV/RV</i>	<i>Target Rock</i>	<i>4</i>	<i>-</i>	<i>NV/4</i>	<i>1967</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work See page 3 for list of work.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1109 psi Test Temp 550 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u> Freq: <u>0</u> yrs
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____ Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 3

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

*GE Spec. No. 21A9206. Tested under vessel hydro 0255-20-IIC-1.*

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed *L. H. Smith, Sr. Specially Engineer* Date 2-29, 2000  
Owner or Owner's Designee, Title  
*J. M. Smith SVP MATHS/PROG ENGR*

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSB I E INS. CO. of HARTFORD, CONN have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 2-28-00 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

*Timothy Edella* Commissions MN 174.99  
Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

**APPROVED (Signatures available in Master File)**

1. Owner Northern States Power Co. Date 2/28/2000  
 Name
2. Plant Monticello Nuclear Generating Plant Sheet 3 of 3  
 Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 WO No: 4280-3PM  
 Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
 Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
 Address
4. Identification of System Main Steam Safety /Relief Valve
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
 Addenda NA Code Case NA Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Main Steam SV/RV</i>	<i>Target Rock</i>	<i>4</i>	<i>-</i>	<i>NV/4</i>	<i>1967</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

Target Rock Corp. Valve No; NV/ 4

7. Description of Work:

- a. Add weld metal to bellows mounting pedestal.
- b. Weld bellows to top works body.
- c. Welds bellows to top works body.
- d. Remove cracks in base metal near pilot seat.
- e. Fill in pilot seat cavity area with weld metal.
- f. Machine off bellows threads than install new threads .
- g. Machine off remaining bellows threads.



<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 3

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 2/28/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 3  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 WO NO.:4280-3PM  
Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address
4. Identification of System Main Steam Safety / Relief Valve.
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda NA Code Case NA  
Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Main Steam SV/RV</i>	<i>Target Rock</i>	<i>195</i>	<i>-</i>	<i>NV/195</i>	<i>1967</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work See page 3 for list of work.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1109 psi Test Temp 550 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____				
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u>	Freq: <u>0</u> yrs
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____	Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 3

## 9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

*GE Spec. No. 21A9206. Tested under vessel hydro 0255-20-IIC-1.*

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the rules on the ASME Code, Section XI.

REPAIR

repair/replacement

Signed *Loitch, Sr. Specialty Engineer* Date 2-29-, 2000

Owner or Owner's Designee, Title

*John Hall Supt. Matls/Proc Engr*

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HARTFORD, CONN have inspected the components described in this Owner's Report during the period 3RD (26-98) to 2-28-00 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

*Linwood Della*  
Inspector's Signature

Commissions

MN 174-99

National Board, Province and Endorsements

Date March 3, 2000

**APPROVED (Signatures available in Master File)**

1. Owner Northern States Power Co. Date 2/28/2000  
 Name

2. Plant Monticello Nuclear Generating Plant Sheet 3 of 3  
 Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 WO No: 4280-3PM  
 Address Repair Organization P.O. No., Job No. etc.

3. Work Performed By NSP Type Code Symbol Stamp NA  
 Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
 Address

4. Identification of System Main Steam Safety /Relief Valve

5. (a) Applicable Construction Code ANSI B 31:1, 1967 Edition  
 Addenda NA Code Case NA Year

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Main Steam SV/RV</i>	<i>Target Rock</i>	<i>195</i>	<i>-</i>	<i>NV/195</i>	<i>1967</i>	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

Target Rock Corp. Valve No; NV/195

7. Description of Work:

- a. Add weld metal to bellows mounting pedestal.
- b. Weld bellows to top works body.
- c. Welds bellows to topworks body.

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 2/28/2000  
 Name \_\_\_\_\_

2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
2807 W. Hwy. 75, Monticello, Minnesota 55362 WO NO.:9905791  
 Address \_\_\_\_\_ Repair Organization P.O. No., Job No. etc. \_\_\_\_\_

3. Work Performed By NSP Type Code Symbol Stamp NA  
 Company Name \_\_\_\_\_ Authorization No. NA  
Monticello, MN 55362 Address \_\_\_\_\_ Expiration Date NA  
 Address \_\_\_\_\_

4. Identification of System Main Steam Safety / Relief Valve.main RV-2-71G.

5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
 Addenda NA Code Case NA  
 Year \_\_\_\_\_

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Main Steam SV/RV</i>	<i>Target Rock</i>	-	-	-	1974	<i>Repaired</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Weld repair of gouge present in main stage body flange.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1109 psi Test Temp 550 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: \_\_\_\_\_

<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N	Freq: 0 yrs
	ARMS: 3613	Doc Type: REF ONLY	Admin initials:	Date:

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

GE Spec. No. 21A9206. Tested under vessel hydro 0255-20-IIC-1.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed [Signature], Sr. Specialty Engineer Date 2-29-2000  
 Owner or Owner's Designee, Title SUPV MATLS/PROG ENGR.

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HARTFORD, CONN have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 2-28-00 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions MN 174.99  
 Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 3/2/2000  

Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  

Name

2807 W. Hwy. 75, Monticello, Minnesota 55362 Design change 99Q050.  

Address

 Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  

Company Name

 Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  

Address
4. Identification of System ESW System
5. (a) Applicable Construction Code Hydraulic Institute Standards, 1975 Edition  

Addenda NA Code Case NA Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
ESW Pump	Gould	Q307424-2	-	13(P-111C)	1975	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ESW Pump	Johnston	99JC1701S	-	13(P-111C)	1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ESW Pump	Gould	Q307424-1	-	14(P-111D)	1975	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ESW Pump	Johnston	99JC1702S	-	14(P-111D)	1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced ESW pumps P-111C and P-111D
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 50 psi Test Temp 70 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N
	ARMS: 3613	Doc Type: REF ONLY	Admin initials: _____
			Freq: 0 yrs Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Technical Specification for Vertical Turbine pumps : 10040-MO95(Q), REV.0

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed Leahit Icha, Sr. Specialist Date 3-2-2000  
 Owner or Owner's Designee, Title SUPT, PROG/MATL ENGR

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HARTFORD CONN. have inspected the components described in this Owner's Report during the period 3RD(4-26-98) to 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Linwood Edell Commissions MN 174.99  
 Inspector's Signature National Board, Province and Endorsements

Date March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 3/1/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 Design Change 99Q175  
Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address
4. Identification of System Emergency Service Water
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda - Code Case NA Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
ESW PIPE	-	-	-	-	1967	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coils	AAF	MB-200-131	-	-	1999	REPLACEMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Design Change 99Q0175, replaced pipe and coils.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 97 psi Test Temp 70 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____				
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N	Freq: 0 yrs
	ARMS: 3613	Doc Type: REF ONLY	Admin initials:	Date:

**APPROVED (Signatures available in Master File)**



<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Pressure testing per 0255-11-III-3 and-4.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACE MENT conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed *Lalit K. Sr. Specialty Eng.* Date 3-1- 2000  
 Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSB I & INS. CO. of HARTFORD, CONN. have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 228-03RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

*Edward A. Hall* Commissions MN 17499  
 Inspector's Signature National Board, Province and Endorsements

Date March 3 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 3/1/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 NSP-MAINT.DEPT-E98Q130  
Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address
4. Identification of System Condensate SERVICE Water
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda - Code Case NA Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
2" CST-96	BNLIND	-	-	-	1967	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2"CST-96	BN LIND	B980901-2-2	-	-	1999	REPLACEMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2" CST-98	BN LIND				1967	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2" CST-98	BN LIND	B980901-2-1			1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replace existing check valves with new.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N
	ARMS: 3613	Doc Type: REF ONLY	Admin initials: _____
			Freq: 0 yrs Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Pressure testing per Code Case N-416-1

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules on the ASME Code, Section XI.   
 repair/replacement

Signed *Robert W. [Signature]* sr. specialty Engineer Date 3-1-, 2000  
Owner or Owner's Designee, Title  
*J. [Signature]* SOFT/MATLS/PROGRAM ENGR.

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBT & INS. CO. of HARTFORD, CONN. have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 22800 3RD INTERVAL, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

*Linwood [Signature]* Commissions MN 174 99  
Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 4

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 2/28/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 4  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 Work Order 9904991  
Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address
4. Identification of System Reactor water Cleanup (RWCU) outboard Isolation Valve MO-2398.
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda NA Code Case NA  
Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
MO-2398	Anchor Valve	3315-B			1969	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MO-2398	Flowserve	E758A-2-2			1999	Replacement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced Valve
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1000 psi Test Temp 70 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated:			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u>
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____
			Freq: <u>0</u> yrs Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 4

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Invoked Code case N 416-1 for hydrostatic testing

Original Valve specification: Bechtel 5828-M53

Replacement Valve specification : NSP MPS-0418

Replaced under Design Change 99Q055

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the rules on the ASME Code, Section XI.

REPLACEMENT  
repair/replacement

Signed [Signature], Sr. Specialty Engineer Date 2-29, 2000  
 Owner or Owner's Designee, Title  
[Signature] Supt Matls) Prog Engr.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI EINS. CO. of HARTFORD, CONN have inspected the components described in this Owner's Report during the period 3<sup>RD</sup> (4-26-98) to 2-28-00 3<sup>RD</sup> INTERVAL, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions MN 174.99  
 Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

APPROVED (Signatures available in Master File)

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES. <sup>3 of 4</sup> Form NIS-2, 15 of 27  
As Required by the Provisions of the ASME Code, Section III, Division 1

Flowsolve Corp.

- 1. Manufactured and certified by 701 First Street, Williamsport, PA 17701  
(name and address of N Certificate Holder)
  
- 2. Manufactured for Northern States Power Co., PO Box 9366, Minneapolis, MN 55440-9366  
(name and address of Purchaser)
  
- 3. Location of installation Monticello NPS 2807 W. CO RD75, Monticello, MN 55362  
(name and address)
  
- 4. Model No., Series No., or Type DD Gate Drawing W9925312 Rev. B CRN N/A
  
- 5. ASME Code, Section III, Division 1: 1989 No 1 N/A  
(edition) (addenda date) (class) (Code Case no.)
  
- 6. Pump or valve Valve Nominal inlet size 4 Outlet size 4  
(in.) (in.)
  
- 7. Material: Body SA216-WCB Bonnet SA216-WCB Disk SA696-C Bolting Studs: SA193-B7  
Nuts: SA194-7

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
E-758A-2-2	N/A	H747	H826	1 & 4

\*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. E-758A-2-2

8. Design conditions 2173 psi 570 °F or valve pressure class 900 SPL (1)

9. Cold working pressure 2250 psi at 100°F

10. Hydrostatic test 3375 psi. Disk differential test pressure 2475 psi

11. Remarks:

CERTIFICATION OF DESIGN

Design Specification certified by Robert P. Jones P.E. State MN Reg. no. 21191
Design Report certified by Ronald S. Farrell P.E. State PA Reg. no. PE-035216-E

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N1712 Expires 4/15/01
Date 11/24/99 Name Flowserve Corp. Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 4-27th 11-30-99 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 11-30-99 Signed [Signature] Commissions Pennsylvania 2392
Charles Young (authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 4

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 2/28/2000  
Name

2. Plant Monticello Nuclear Generating Plant Sheet 1 of 4  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 Work Order 9904990  
Address Repair Organization P.O. No., Job No. etc.

3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address

4. Identification of System Reactor water Cleanup (RWCU) Inboard Isolation Valve MO-2397.

5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda NA Code Case NA  
Year

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
MO-2397	Anchor Valve	3315-A			1969	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MO-2397	Flowserve	E758A-2-1			1999	Replacement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced Valve

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1000 psi Test Temp 70 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____				
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N	Freq: 0 yrs
	ARMS: 3613	Doc Type: REF ONLY	Admin initials:	Date:

**APPROVED (Signatures available in Master File)**



<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 4

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Invoked Code case N 416-1 for hydrostatic testing

Original Valve specification: Bechtel 5828-M53

Replacement Valve specification : NSP MPS-0418

Replaced under Design Change 99Q055

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT repair/replacement conforms to the rules on the ASME Code, Section XI.

Signed Leif Clark, Sr. Specialty Engineer Date 2-29-2000  
 Owner or Owner's Designee, Title SUPV, MATLS / PROC ENGR.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HARTFORD, CONN. have inspected the components described in this Owner's Report during the period 3 RD (4-26) 99 to 2-28-00 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Lawrence J. Hill Commissions MN 174.99  
 Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

APPROVED (Signatures available in Master File)

**FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES\***  
 As Required by the Provisions of the ASME Code, Section III, Division 1

Flowserve Corp.

1. Manufactured and certified by 701 First Street, Williamsport, PA 17701  
(name and address of N Certificate Holder)
2. Manufactured for Northern States Power Co., PO Box 9366, Minneapolis, MN 55440-9366  
(name and address of Purchaser)
3. Location of installation Monticello NPS 2807 W. CO RD75, Monticello, MN 55362  
(name and address)
4. Model No., Series No., or Type DD Gate Drawing W9925312 Rev. B CRN N/A
5. ASME Code, Section III, Division 1: 1989 No 1 N/A  
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 4 Outlet size 4  
(in.) (in.)
7. Material: Body SA216-WCB Bonnet SA216-WCB Disk SA696-C Bolting Studs: SA193-B7  
Nuts: SA194-7

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
<u>E-758A-2-1</u>	<u>N/A</u>	<u>H746</u>	<u>H825</u>	<u>2 &amp; 3</u>

\* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. E-758A-2-1

- 8. Design conditions 2173 psi 570 °F or valve pressure class 900 SPL (1)
- (pressure) (temperature)
- 9. Cold working pressure 2250 psi at 100°F
- 10. Hydrostatic test 3375 psi. Disk differential test pressure 2475 psi
- 11. Remarks: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**CERTIFICATION OF DESIGN**

Design Specification certified by Robert P. Jones P.E. State MN Reg. no. 21191

Design Report certified by Ronald S. Farrell P.E. State PA Reg. no. PE-035216-E

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N1712 Expires 4/15/01

Date 11/24/99 Name Flowserve Corp. Signed [Signature]

(N Certificate Holder) (authorized representative)

**CERTIFICATE OF INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 4-22-99 to 11-30-99, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 11-30-99 Signed [Signature] Commissions Pennsylvania 2392

Charles Y. [Signature] (authorized inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 4

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

- Owner Northern States Power Co. Date 2/28/2000  
Name
- Plant Monticello Nuclear Generating Plant Sheet 1 of 4  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 Address  
Work Order 9904989  
Repair Organization P.O. No., Job No. etc.
- Work Performed By NSP Type Code Symbol Stamp NA  
Company Name  
Monticello, MN 55362 Address  
Authorization No. NA  
Expiration Date NA
- Identification of System HPCI Steam Supply Outboard Isolation Valve MO-2035.
- (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda NA Code Case NA  
Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
- Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
MO-2035	Anchor Valve	3318-B	-	-	1969	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MO-2035	Flowserve	E-758A-1-1	-	-	1999	Replacement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

- Description of Work Replaced Valve
- Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 1000 psi Test Temp 70 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N
	ARMS: 3613	Doc Type: REF ONLY	Admin initials: _____
			Freq: 0 yrs Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 4

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Invoked Code case N 416-1 for hydrostatic testing

Original Valve specification: Bechtel 5828-M53

Replacement Valve specification : NSP MPS-0418

Replaced under Design Change 99Q055

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT repair/replacement conforms to the rules on the ASME Code, Section XI.

Signed Lalit Chakraborty, Sr. specialty Engineer Date 2-29-2000  
Owner or Owner's Designee, Title  
Supt, MATLS/PROC ENGR.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HARTFORD, CONN have inspected the components described in this Owner's Report during the period 3 RD (4-26-98) and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Lawrence D. Della Commissions MN 174-99  
Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

APPROVED (Signatures available in Master File)

**FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES**  
 As Required by the Provisions of the ASME Code, Section III, Division 1

Flowserve Corp.

1. Manufactured and certified by 701 First Street, Williamsport, PA 17701  
(name and address of N Certificate Holder)
2. Manufactured for Northern States Power Co., PO Box 9366, Minneapolis, MN 55440-9366  
(name and address of Purchaser)
3. Location of installation Monticello NPS 2807 W. CO RD75, Monticello, MN 55362  
(name and address)
4. Model No., Series No., or Type DD Gate Drawing W9925311 Rev. A CRN N/A
5. ASME Code, Section III, Division 1: 1989 No 1 N/A  
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 8 Outlet size 8  
(in.) (in.)
7. Material: Body SA216-WCB Bonnet SA216-WCB Disk SA516-70 Bolting Studs: SA193-B7  
Nuts: SA194-7

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
E-758A-1-1	N/A	H847	H760	1 and 2

\* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. E-758A-1-1

- 8. Design conditions 1438 psi 582 °F or valve pressure class 600 SPL (1)  
(pressure) (temperature)
- 9. Cold working pressure 1500 psi at 100°F
- 10. Hydrostatic test 2250 psi. Disk differential test pressure 1650 psi
- 11. Remarks: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**CERTIFICATION OF DESIGN**

Design Specification certified by Robert P. Jones P.E. State MN Reg. no. 21191  
 Design Report certified by Ronald S. Farrell P.E. State PA Reg. no. PE-035216-E

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.  
 N Certificate of Authorization No. N1712 Expires 4/15/01  
 Date 11/17/99 Name Flowserve Corp. Signed [Signature]  
(N Certificate Holder) (authorized representative)

**CERTIFICATE OF INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 6-BLH 1-16-99, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 11-16-99 Signed [Signature] Commissions Pennsylvania 2392  
Charles [Name] (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 3/2/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 Address  
Design change 99Q190. Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name  
Monticello, MN 55362 Address  
Authorization No. NA  
Expiration Date NA
4. Identification of System RCIC System
5. (a) Applicable Construction Code ANSI B 31.1, 1977 Edition  
Addenda Winter 1978 Code Case NA Year  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
RCIC-57	Circle Seal	-	-	224S-12PP	1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RCIC-57	BNL	-	-	-	1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RCIC-59	Circle Seal	-	-	224S-12PP	1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RCIC-59	BNL	-	-	-	1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced RCIC steam exhaust vacuum breakers valves.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 156 psi Test Temp Ambt °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____				
FOR ADMINISTRATIVE USE ONLY	Resp Supv: MATE	Assoc Ref: MATE	SR: N	Freq: 0 yrs
	ARMS: 3613	Doc Type: REF ONLY	Admin initials:	Date:

**APPROVED (Signatures available in Master File)**



<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

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**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed Rahit Ich, Sr. Specialty Eng Date 3-2-2000  
Owner or Owner's Designee, Title  
SUPT, MATL / PRDG ENGR

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBE INVS. CO. of HARTFORD, CONN. have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 2.28.00 3RD INTERVAL, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Lawrence E. Della Commissions MN 174-99  
Inspector's Signature National Board, Province and Endorsements

Date March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 3/1/2000  
Name

2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 Design Change 00Q045  
Address Repair Organization P.O. No., Job No. etc.

3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address

4. Identification of System Emergency Service Water

5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda - Code Case NA  
Year

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
ESW PIPE	-	-	-	-	1967	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ESW PIPE	-	-	-	-	1999	REPLACEMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Design Change 00Q045, replaced pipe to RHR Rooms.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 97 psi Test Temp 70 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N
	ARMS: 3613	Doc Type: REF ONLY	Admin initials: _____
			Freq: 0 yrs
			Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Pressure testing per 0255-11-III-3 and-4.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the rules on the ASME Code, Section XI.

REPLACEMENT  
repair/replacement

Signed *Robert W. [Signature]* sr. specialty Engineer Date 3-1- 2000  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS CO. of HARTFORD, CONN have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 23800 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

*Linwood [Signature]* Commissions MN 17499  
Inspector's Signature National Board, Province and Endorsements

Date March 3 2000

APPROVED (Signatures available in Master File)

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

- Owner Northern States Power Co. Date 3/1/2000  
Name
- Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 Design change 00Q015  
Address Repair Organization P.O. No., Job No. etc.
- Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Address Expiration Date NA  
Address
- Identification of System RHR service Water
- (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  
Addenda - Code Case NA Year  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
- Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
RHR PIPE	-	-	-	-	1967	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RHR PIPE	-	-	-	-	1999	REPLACEMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

- Description of Work Design change 00Q015, replaced portion of B loop pipe.
- Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____				
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N	Freq: 0 yrs
	ARMS: 3613	Doc Type: REF ONLY	Admin initials:	Date:

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

*Performed leak test using code case N-416-1*

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the rules on the ASME Code, Section XI.

REPLACEMENT  
repair/replacement

Signed *Latitch* *Sr. Specialty Engineer* Date *3-1-2000*  
Owner or Owner's Designee, Title  
*J. M. L. Supt. Maint. Engr.*

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of *MINNESOTA* and employed by *HSBI INS. CO.* of *HARTFORD, CONN* have inspected the components described in this Owner's Report during the period *3RD (4-26-98)* to *3RD INTERVAL 28.00* and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

*Linwood E. Dillon* Commissions *MN 174.99*  
Inspector's Signature National Board, Province and Endorsements  
 Date *March 1* *2000*

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 3/3/2000  
 Name

2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
 Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 NGS-00Q015-02  
 Address Repair Organization P.O. No., Job No. etc.

3. Work Performed By NSP Type Code Symbol Stamp NA  
 Company Name Authorization No. NA  
Monticello, MN 55362 Address Expiration Date NA  
 Address

4. Identification of System RHR, Service Water Header

5. (a) Applicable Construction Code ANSI B 31.1, 1977 Edition  
 Addenda W 78 Code Case NA  
 Year

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
Pipe Support	NSP	SR-900 to SR-904			1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe Support	NSP	SR-900 to SR-904			1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work SW header replacement SW10-18"-GF

8. Tests Conducted: Hydrostatic  M/A Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N
	ARMS: 3613	Doc Type: REF ONLY	Admin initials: _____
			Freq: 0 yrs
			Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

*Design was done per specification MN- PR3275-12-310*

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this conforms to the rules on the ASME Code, Section XI.

REPLACEMENT  
repair/replacement

Signed *Latrice*, sr. speciality engr Date 3-3-, 2000  
Owner or Owner's Designee, Title  
*J. J. ...* SUPV, MATL/PROC ENGR

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBIE INS. CO. of HARTFORD, CONN have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 2.28 003RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

*James E. O'Connell* Commissions MN 174.49  
Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 3/3/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 NGS-99Q175-01  
Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address
4. Identification of System ESW-V-AC-8A & 8B piping supports
5. (a) Applicable Construction Code ANSI B 31.1, 1977 Edition  
Addenda W 78 Code Case NA Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
Pipe Support	NSP	DWR-H-1			1999	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe Support	NSP	DWR H-2			1999	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe support	NSP	DWR H-3			1999	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe Support	NSP	DWR H-6			1999	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced ESW piping supports
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F  
**NA**

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u>
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____
			Freq: <u>0</u> yrs Date: _____

**APPROVED (Signatures available in Master File)**



<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Design was done per specification MN- PR3275-12-310

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT repair/replacement conforms to the rules on the ASME Code, Section XI.

Signed Rahit Kholi, Sr. Specialist Date 3-3-2000  
 Owner or Owner's Designee, Title SUPV, MATL/PROG ENGR.

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HARTFORD, CONN. have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 20800 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Linwood E. Dillon Commissions MN 174.99  
 Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

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1. Owner Northern States Power Co. Date 3/3/2000  
Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 NGS-99Q175-06 and 07  
Address Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address
4. Identification of System Emergency Service Water supports
5. (a) Applicable Construction Code ANSI B 31.1, 1977 Edition  
Addenda W 78 Code Case NA Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
Pipe Support	NSP	SWH-297 to SWH-310			1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe Support	NSP	SWH-297 to SWH-310			1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe support	NSP	SWH-315 to SWH-319			1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe Support	NSP	SWH-315 to SWH-319			1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced Emergency Water supports on SW 30B-3" piping.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

**NA**

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N
	ARMS: 3613	Doc Type: REF ONLY	Admin initials: _____
		Freq: 0 yrs	Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Design was done per specification MN- PR3275-12-310

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT repair/replacement conforms to the rules on the ASME Code, Section XI.

Signed [Signature] Sr. speciality Date 3-3- 2000  
 Owner or Owner's Designee, Title SUPV, MATL/PROG ENGR

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. Co. of HARTFORD, CONN have inspected the components described in this Owner's Report during the period 3RD (4-26-99) to 228-00 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions MN 174-99  
 Inspector's Signature National Board, Province and Endorsements  
 Date March 3 2000

APPROVED (Signatures available in Master File)

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 3/3/2000  

Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  

Name

2807 W. Hwy. 75, Monticello, Minnesota 55362 NGS-98 Q 045-03 and 04  

Address

Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  

Company Name

 Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  

Address
4. Identification of System Emergency Service Water supports
5. (a) Applicable Construction Code ANSI B 31.1, 1977 Edition  

Addenda W 78 Code Case NA  

Year
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Pipe Support</i>	<i>NSP</i>	<i>SWH-261 to SWH-273</i>			<i>1978</i>	<i>Replaced</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Pipe Support</i>	<i>NSP</i>	<i>SWH-261 to SWH-273</i>			<i>1999</i>	<i>Replacement</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced Emergency Water supports on SW 30B-3" piping.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F  

*NA*

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u>
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____
			Freq: <u>0</u> yrs Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Design was done per specification MN- PR3275-12-310

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT repair/replacement conforms to the rules on the ASME Code, Section XI.

Signed Ralit Khan Sr. Specialty Eng. Date 3-3-2000  
 Owner or Owner's Designee, Title Supt, Matl/Proc Engr.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSB & INS. CO. of HARTFORD CONN. have inspected the components described in this Owner's Report during the period 2<sup>RD</sup> (4-26-98) to 2-28-00 3<sup>RD</sup> INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Finwood E. Pellan Commissions MN 174-99  
 Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

APPROVED (Signatures available in Master File)

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

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- Owner Northern States Power Co. Date 3/3/2000  
Name
- Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 NGS-98 Q 045-07 and 08  
Address Repair Organization P.O. No., Job No. etc.
- Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Address Expiration Date NA  
Address
- Identification of System RHR service Water
- (a) Applicable Construction Code ANSI B 31.1, 1977 Edition  
Addenda W 78 Code Case NA Year  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
- Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
Pipe Support	NSP	SWH-285 to SWH-296			1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe Support	NSP	SWH-285 to SWH-296			1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe Support	NSP	SWH-326			1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe support	NSP	SWH-326			1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

- Description of Work Replaced RHR Service Water Supply line pipe .
- Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: \_\_\_\_\_

<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N	Freq: 0 yrs
	ARMS: 3613	Doc Type: REF ONLY	Admin initials:	Date:

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

*Design was done per specification MN- PR3275-12-310*

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed Rahit Ch Sr. Specialist Date 3-3- 2000  
 Owner or Owner's Designee, Title  
JM SUPT MATLS/PROG ENGR.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBT E. INS. CO. of HARTFORD, CONN. have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Spawood P Dillo Commissions MN174.99  
 Inspector's Signature National Board, Province and Endorsements  
 Date March 3 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

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1. Owner Northern States Power Co. Date 3/3/2000  
Name

2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 NGS-99Q175-04 and 05  
Address Repair Organization P.O. No., Job No. etc.

3. Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  
Address

4. Identification of System Emergency Service Water Supports.

5. (a) Applicable Construction Code ANSI B 31.1, 1977 Edition  
Addenda W 78 Code Case NA  
Year

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
PipeSupport	NSP	SWH-274 to SWH-283			1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe Support	NSP	SWH-274 to SWH-283			1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced Emergency Service Water Supports on SW 30B-3" piping.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F  
**NA**

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N
	ARMS: 3613	Doc Type: REF ONLY	Admin initials: _____
			Freq: 0 yrs
			Date: _____

**APPROVED (Signatures available in Master File)**



<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

*Design was done per specification MN- PR3275-12-310*

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT repair/replacement conforms to the rules on the ASME Code, Section XI.

Signed *Robert Khr* *SV Specialty Engineer* Date *3-3-* *2000*  
Owner or Owner's Designee, Title  
*JM* *SUPT, MAINT/PROG ENGR*

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBI & INS. CO. of HARTFORD CONN have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 2-28-00 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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*Timothy J. Pellon* Commissions *MN 174-99*  
Inspector's Signature National Board, Province and Endorsements  
 Date *March 3* *2000*

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

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- Owner Northern States Power Co. Date 3/3/2000  
Name
- Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 NGS-99Q175-03  
Address Repair Organization P.O. No., Job No. etc.
- Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Address Expiration Date NA
- Identification of System Emergency Service Water Supports.
- (a) Applicable Construction Code ANSI B 31.1, 1977 Edition  
Addenda W 78 Code Case NA Year  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
- Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Pipe Support</i>	NSP	SWH-320 to SWH-324			1978	Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Pipe Support</i>	NSP	SWH-320 to SWH-324			1999	Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced Emergency Service Water Supports.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

**NA**

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N
	ARMS: 3613	Doc Type: REF ONLY	Date: _____

**APPROVED (Signatures available in Master File)**

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<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

*Design was done per specification MN- PR3275-12-310*

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules on the ASME Code, Section XI. repair/replacement

Signed *Robert Kh* Sr. Speciality Eng. Date 3-3- 2000  
Owner or Owner's Designee, Title  
*JM ML* SUPV, MATHS/PROG ENGR.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBJ & INS. CO. of HART FORD CONN have inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 2ND 3RD INTERVAL and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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*Amwood Pella* Commissions MN 174-99  
Inspector's Signature National Board, Province and Endorsements  
 Date March 3, 2000

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1. Owner Northern States Power Co. Date 3/10/2000  

Name
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2  

Name

2807 W. Hwy. 75, Monticello, Minnesota 55362 Procedure 4514-01  

Address

 Repair Organization P.O. No., Job No. etc.
3. Work Performed By NSP Type Code Symbol Stamp NA  

Company Name

 Authorization No. NA  
Monticello, MN 55362 Expiration Date NA  

Address
4. Identification of System Inboard Main Steam Isolation Valve AO-2-80D
5. (a) Applicable Construction Code ANSI B 31.1, 1967 Edition  

Addenda NA Code Case NA Year

 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Bonnet studs &amp; Nuts</i>	<i>Atwood &amp; Morrill</i>	-	-	-	1969	<i>Replaced</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Bonnet studs &amp; Nuts</i>	<i>Atwood &amp; Morrill</i>	-	-	-	1999	<i>Replacement</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

7. Description of Work Replaced Six(6) bonnet studs and eight(8) bonnet nuts.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1000 psi Test Temp 70 °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____				
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: <u>MATE</u>	Assoc Ref: <u>MATE</u>	SR: <u>N</u>	Freq: <u>0</u> yrs
	ARMS: <u>3613</u>	Doc Type: <u>REF ONLY</u>	Admin initials: _____	Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)

Material : Studs ASTM A193 B7 & Nuts ASTM A 194 2H. The new bolts and nuts installed in the same manner as the existing bolts and nuts using Procedure-01. VT-1 preservice exam was performed. GE specification No. 21A1062, Rev.0 was used for selection of materials. Pressure testing was performed on valve per Procedure 4240-01-OCD & 0255-00-IIC-2.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT repair/replacement conforms to the rules on the ASME Code, Section XI.

Signed [Signature], Sr. specialty Eng Date 3-10-, 2006  
 Owner or Owner's Designee, Title SUPV, MATS/ PROGRAMS ENGR

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MINNESOTA and employed by HSBZ & INS. CO. of HART FORD, CONN have inspected the components described in this Owner's Report during the period 4-26-98 to 2-28-2000, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions NB8524  
 Inspector's Signature National Board, Province and Endorsements  
 Date April 3, 2000

APPROVED (Signatures available in Master File)

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 1 of 2

**NOTE 1:** This form may not address all items needed for documentation of a repair/replacement program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.

**NOTE 2:** Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in x 11 in, (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

- Owner Northern States Power Co. Date 3/28/2000  
Name
- Plant Monticello Nuclear Generating Plant Sheet 1 of 2  
Name  
2807 W. Hwy. 75, Monticello, Minnesota 55362 Address  
WO 9803745 Repair Organization P.O. No., Job No. etc.
- Work Performed By NSP Type Code Symbol Stamp NA  
Company Name Authorization No. NA  
Monticello, MN 55362 Address Expiration Date NA
- Identification of System RHR Service Water System
- (a) Applicable Construction Code ANSI B 31.1, 1977 Edition  
Addenda Winter 1978 Code Case NA  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1986
- Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped	
							YES	NO
<i>Pump</i>	<i>Johnston</i>	<i>PG2263</i>	-	<i>#12 RHRSW</i>	<i>1974</i>	<i>Repair</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

- Description of Work Weld repair on spare RHRSW pump bowls 1,2,3,5,6,7& Discharge case.
- Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated: _____			
<b>FOR ADMINISTRATIVE USE ONLY</b>	Resp Supv: MATE	Assoc Ref: MATE	SR: N
	ARMS: 3613	Doc Type: REF ONLY	Admin initials: _____
			Freq: 0 yrs
			Date: _____

**APPROVED (Signatures available in Master File)**

<b>MONTICELLO NUCLEAR GENERATING PLANT</b>		3613
<b>TITLE:</b>	<b>OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2</b>	Revision 2
		Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached)  
Weld repairs in non-structural areas of bowl castings. Pump assembly was performance tested when installed in plant.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR repair/replacement conforms to the rules on the ASME Code, Section XI.

Signed Robert K. [Signature] Sr. Speciality Eng Date 3-28-2000  
 Owner or Owner's Designee, Title SWR, MATLS/PROG ENGR

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of \_\_\_\_\_ and employed by HSBI & INS. CO. of Hartford Conn. have inspected the components described in this Owner's Report during the period 4-26-99 to 2-28-2000, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer **SHALL** be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Paul D. Fish Commissions NR8524  
 Inspector's Signature National Board, Province and Endorsements  
 Date 4/3/2000

**APPROVED (Signatures available in Master File)**

**APPENDIX A**

**Interval 3, Period 3 Inspections**

**Listed by Code Class & ISO Number**

**14 Pages**



NIS-1 Attachment 1 Inservice Inspection Report

Owner: Northern States Power Company, 414 Nicollet Mall, Mpls, MN 55401  
 Plant: Monticello Nuclear Generating Plant, Hwy 75, Monticello, MN 55362  
 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
<b>CLASS 1</b>												
100393	Rx Ves Head Cooling	ISI-13142-20-C	B- 1	Flange Bolts	B-G-2	B7.50	ISI-VT-1.0	VT	2/10/2000	2000V085	NAD	
100395	Rx Ves Head Cooling	ISI-13142-20-C	B- 2	Flange Bolts	B-G-2	B7.50	ISI-VT-1.0	VT	1/22/2000	2000V084	NAD	
100398	Rx Ves Head Cooling	ISI-13142-20-C	H- 1	Strut / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/19/2000	2000V077	NAD	
100403	Rx Ves Head Cooling	ISI-13142-20-C	W- 2	Pipe-to-Pipe	B-J	B9.11	ISI-UT-1	UT	1/19/2000	2000U072	NAD	Limited Exam, >90% coverage
							ISI-MT-1	MT	1/19/2000	2000M041	NAD	Limited Exam, >90% coverage
100419	Rx Ves Head Cooling	ISI-13142-20-C	W-18	Pipe-to-Elbow	B-J	B9.11	ISI-UT-1	UT	1/19/2000	2000U073	NAD	
							ISI-MT-1	MT	1/19/2000	2000M039	NAD	
100426	Core Spray B	ISI-13142-26-A	B- 3	Valve Bolts	B-G-2	B7.70	ISI-VT-1.0	VT	1/27/2000	2000V162	NAD	
100427	Core Spray B	ISI-13142-26-A	H- 1	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	2/5/2000	2000V180	NAD	
100428	Core Spray B	ISI-13142-26-A	H- 2	Restraint Slide	F-B	F-A,B,C	ISI-VT-2.0	VT	1/27/2000	2000V145	IND	Grout cracked, spalled. Evidence of baseplate movement. Corrected under CR 20000482
							ISI-VT-2.0	VT	2/5/2000	2000V181	NAD	PSI
100441	Core Spray B	ISI-13142-26-A	W- 8	Pipe-to-Pipe	B-J	B9.11	ISI-UT-1	UT	2/5/2000	2000U111	NAD	
							ISI-MT-1	MT	2/5/2000	2000M070	NAD	
100453	Core Spray B	ISI-13142-26-A	W-20	Safe End-to-Nozzle	B-F	B5.10	ISI-MT-1	MT	1/11/2000	2000M017	NAD	
							ISI-UT-1	UT	1/12/2000	2000U038	GEO	
100502	Core Spray A	ISI-13142-31-A	W- 3	Pipe-to-Pipe	B-J	B9.11	ISI-MT-1	MT	1/20/2000	2000M048	NAD	
							ISI-UT-1	UT	1/21/2000	2000U085	NAD	
100569	Main Steam A	ISI-13142-33-A	B- 4	Flange Bolts @ W-18	B-G-2	B7.50	ISI-VT-1.0	VT	1/8/2000	2000V042	NAD	
100570	Main Steam A	ISI-13142-33-A	B- 5	Flange Bolts @ W-20	B-G-2	B7.50	ISI-VT-1.0	VT	1/8/2000	2000V041	NAD	
100571	Main Steam A	ISI-13142-33-A	B- 6	Flange Bolts @ W-22	B-G-2	B7.50	ISI-VT-1.0	VT	1/8/2000	2000V043	NAD	
100572	Main Steam A	ISI-13142-33-A	B- 7	Valve Bolts	B-G-2	B7.70	ISI-VT-1.0	VT	1/8/2000	2000V040	NAD	
100573	Main Steam A	ISI-13142-33-A	B- 8	Valve Bolts	B-G-2	B7.70	ISI-VT-1.0	VT	2/1/2000	2000V163	NAD	
100574	Main Steam A	ISI-13142-33-A	B- 9	Valve Bolts	B-G-2	B7.70	ISI-VT-1.0	VT	2/12/2000	2000V225	NAD	PSI
							ISI-VT-1.0	VT	1/21/2000	2000V087	NAD	PSI
100575	Main Steam A	ISI-13142-33-A	B-10	Valve Bolts	B-G-2	B7.70	ISI-VT-1.0	VT	2/12/2000	2000V224	NAD	PSI
							ISI-VT-1.0	VT	1/21/2000	2000V086	NAD	PSI
100578	Main Steam A	ISI-13142-33-A	H- 2	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/27/2000	2000V143	NAD	
100581	Main Steam A	ISI-13142-33-A	H- 5	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/8/2000	2000V045	NAD	
100582	Main Steam A	ISI-13142-33-A	H- 6	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/11/2000	2000V030	IND	Missing spacers. Corrected under CR 20000482 & CR 20000569.

NIS-1 Attachment 1 Inservice Inspection Report

Owner: Northern States Power Company, 414 Nicollet Mall, Mpls, MN 55401  
 Plant: Monticello Nuclear Generating Plant, Hwy 75, Monticello, MN 55362  
 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
100583	Main Steam A	ISI-13142-33-A	H- 7	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/11/2000	2000V029	IND	Built-in spacers – acceptable per CR 20000482 and CR 20000569. PSI, Fully extended piston – corrected under CR 20000482. PSI
							ISI-VT-2.0	VT	1/26/2000	2000V139	IND	
							ISI-VT-2.0	VT	1/28/2000	2000V164	NAD	
100584	Main Steam A	ISI-13142-33-A	H- 8	Double Spring/4 Lugs	B-K-1	B10.10	ISI-VT-2.0	VT	1/8/2000	2000V052	NAD	
100605	Main Steam A	ISI-13142-33-A	W-17	Pipe-to-Sweepolet	B-J	B9.31	ISI-UT-1	UT	1/9/2000	2000U010	NAD	
							ISI-MT-1	MT	1/9/2000	2000M009	NAD	
100612	Main Steam A	ISI-13142-33-A	W-24	Elbow-to-Pipe	B-J	B9.11	ISI-UT-1	UT	1/14/2000	2000U056	NAD	
	Main Steam A	ISI-13142-33-A					ISI-MT-1	MT	1/14/2000	2000M025	NAD	
100613	Main Steam A	ISI-13142-33-A	W-25	Pipe-to-Elbow	B-J	B9.11	ISI-MT-1	MT	1/8/2000	2000M003	NAD	
							ISI-UT-1	UT	1/9/2000	2000U011	NAD	
100617	Main Steam A	ISI-13142-33-A	W-29	Pipe-to-Pipe	B-J	B9.11	ISI-MT-1	MT	1/19/2000	2000M038	NAD	
							ISI-UT-1	UT	1/19/2000	2000U074	NAD	
100629	Main Steam B	ISI-13142-34-A	B- 7	Valve Bolts	B-G-2	B7.70	ISI-VT-1.0	VT	1/21/2000	2000V088	NAD	PSI
							ISI-VT-1.0	VT	2/12/2000	2000V223	NAD	PSI
100631	Main Steam B	ISI-13142-34-A	H- 2	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/26/2000	2000V140	NAD	
100639	Main Steam B	ISI-13142-34-A	W- 1 LS D	Nozzle-to-Safe End	B-J	B9.10	ISI-UT-1	UT	1/8/2000	2000U006	NAD	
							ISI-MT-1	MT	1/8/2000	2000M011	NAD	
100640	Main Steam B	ISI-13142-34-A	W- 2 LS U	Safe End-to-Elbow	B-J	B9.10	ISI-UT-1	UT	1/8/2000	2000U005	NAD	
							ISI-MT-1	MT	1/8/2000	2000M012	NAD	
100658	Main Steam B	ISI-13142-34-A	W-20	Elbow-to-Boss	B-J	B9.32	ISI-MT-1	MT	1/8/2000	2000M001	NAD	
100659	Main Steam B	ISI-13142-34-A	W-21	Elbow-to-Pipe	B-J	B9.11	ISI-UT-1	UT	1/14/2000	2000U059	GEO	
							ISI-MT-1	MT	1/14/2000	2000M026	NAD	
100660	Main Steam B	ISI-13142-34-A	W-22	Pipe-to-Elbow	B-J	B9.11	ISI-UT-1	UT	1/9/2000	2000U030	NAD	
							ISI-MT-1	MT	1/8/2000	2000M002	NAD	
100667	Main Steam B	ISI-13142-34-A	W-29	Pipe-to-Pipe	B-J	B9.11	ISI-MT-1	MT	1/19/2000	2000M037	NAD	
							ISI-UT-1	UT	1/19/2000	2000U075	NAD	
100675	Main Steam C	ISI-13142-35-A	B- 4	Flange Bolts @ W-18	B-G-2	B7.50	ISI-VT-1.0	VT	1/12/2000	2000V038	NAD	
100677	Main Steam C	ISI-13142-35-A	B- 6	Valve Bolts	B-G-2	B7.70	ISI-VT-1.0	VT	1/12/2000	2000V039	NAD	
100731	Main Steam D	ISI-13142-36-A	B- 7	Valve Bolts	B-G-2	B7.70	ISI-VT-1.0	VT	2/12/2000	2000V226	NAD	PSI
							ISI-VT-1.0	VT	1/23/2000	2000V168	NAD	PSI
							ISI-VT-1.0	VT	1/16/2000	2000V183	NAD	PSI
100735	Main Steam D	ISI-13142-36-A	H- 1	Double Spring/4 Lugs	B-K-1	B10.10	ISI-VT-2.0	VT	1/10/2000	2000V051	IND	Loose bolt, threads not burred. Corrected under CR 2000482. PSI
							ISI-VT-2.0	VT	2/7/2000	2000V188	NAD	

NIS-1 Attachment 1 Inservice Inspection Report

Owner: Northern States Power Company, 414 Nicollet Mall, Mpls, MN 55401  
 Plant: Monticello Nuclear Generating Plant, Hwy 75, Monticello, MN 55362  
 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
100737	Main Steam D	ISI-13142-36-A	H- 2	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	2/2/2000	2000V166	NAD	
100738	Main Steam D	ISI-13142-36-A	H- 3	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	2/2/2000	2000V165	IND	Threads not burred. Corrected under CR 2000482.
							ISI-VT-2.0	VT	2/17/2000	2000V269	NAD	PSI
100739	Main Steam D	ISI-13142-36-A	H- 4	Variable / Spring	F-C	F-A,B,C	ISI-VT-2.0	VT	1/10/2000	2000V019	NAD	
100742	Main Steam D	ISI-13142-36-A	H- 7	Double Spring/4 Lugs	B-K-1	B10.10	ISI-VT-2.0	VT	2/4/2000	2000V174	NAD	
100747	Main Steam D	ISI-13142-36-A	W- 1 LS D	Nozzle-to-Safe End	B-J	B9.10	ISI-UT-1	UT	1/8/2000	2000U007	NAD	
							ISI-MT-1	MT	1/8/2000	2000M013	NAD	
100748	Main Steam D	ISI-13142-36-A	W- 2 LS U	Safe End-to-Elbow	B-J	B9.10	ISI-UT-1	UT	1/8/2000	2000U008	GEO	
							ISI-MT-1	MT	1/8/2000	2000M010	NAD	
101008	HPCI Steam	ISI-13142-42-A	W-16	Pipe-to-Pipe	B-J	B9.11	ISI-MT-1	MT	1/18/2000	2000M033	NAD	
							ISI-UT-1	UT	1/25/2000	2000U095	NAD	
101009	HPCI Steam	ISI-13142-42-A	W-17	Pipe-to-Valve	B-J	B9.11	ISI-UT-1	UT	1/25/2000	2000U096	GEO	PSI
							ISI-MT-1	MT	1/25/2000	2000M059	NAD	PSI
101055	RCIC Steam	ISI-13142-43-A	W-13	Pipe-to-Pipe	B-J	B9.21	ISI-MT-1	MT	1/20/2000	2000M034	NAD	
							ISI-UT-1	UT	1/20/2000	2000U080	GEO	
101199	Feedwater	ISI-13142-52-A	H- 5	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/11/2000	2000V015	NAD	
101200	Feedwater	ISI-13142-52-A	H- 6	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/11/2000	2000V032	NAD	
101201	Feedwater	ISI-13142-52-A	H- 7	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/11/2000	2000V014	NAD	
101203	Feedwater	ISI-13142-52-A	H- 8	Double Spring/4 Lugs	B-K-1	B10.10	ISI-VT-2.0	VT	1/11/2000	2000V031	NAD	
101212	Feedwater	ISI-13142-52-A	W- 6	Pipe-to-Pipe	B-J	B9.11	ISI-UT-1	UT	1/19/2000	2000U069	NAD	
	Feedwater	ISI-13142-52-A					ISI-MT-1	MT	1/18/2000	2000M032	NAD	
101363	Reactor Wtr Cleanup	ISI-73880-A	H- 3	Double Spring/4 Lugs	B-K-1	B10.10	ISI-VT-2.0	VT	1/26/2000	2000V144	NAD	PSI
101367	Reactor Wtr Cleanup	ISI-73880-A	W- 2 LS U	Pipe-to-Elbow	B-J	B9.10	ISI-PT-1	PT	1/10/2000	2000P007	NAD	
							ISI-UT-16	UT	1/10/2000	2000U025	NAD	
101369	Reactor Wtr Cleanup	ISI-73880-A	W- 4 LS U	Pipe-to-Elbow	B-J	B9.10	ISI-UT-1	UT	1/10/2000	2000U026	GEO	
							ISI-MT-1	MT	1/10/2000	2000M014	NAD	
101386	Reactor Wtr Cleanup	ISI-73880-A	W-21	Pipe-to-Elbow	B-J	B9.11	ISI-UT-1	UT	1/25/2000	2000U094	GEO	PSI
							ISI-MT-1	MT	1/19/2000	2000M065	NAD	PSI
101387	Reactor Wtr Cleanup	ISI-73880-A	W-22	Elbow-to-Valve	B-J	B9.11	ISI-MT-1	MT	1/4/2000	2000M064	NAD	PSI
							ISI-UT-1	UT	1/14/2000	2000U062	GEO	PSI
							ISI-UT-1	UT	1/14/2000	2000U039	GEO	PSI
101388	Reactor Wtr Cleanup	ISI-73880-A	W-23	Valve-to-Pipe	B-J	B9.11	ISI-UT-1	UT	1/24/2000	2000U100	GEO	PSI
							ISI-MT-1	MT	1/21/2000	2000M067	NAD	PSI
							ISI-MT-1	MT	1/24/2000	2000M063	NAD	PSI

NIS-1 Attachment 1 Inservice Inspection Report

Owner: Northern States Power Company, 414 Nicollet Mall, Mpls, MN 55401  
 Plant: Monticello Nuclear Generating Plant, Hwy 75, Monticello, MN 55362  
 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
101391	Reactor Wtr Cleanup	ISI-73880-A	W-26	Pipe-to-Valve	B-J	B9.11	ISI-UT-1	UT	1/24/2000	2000U093	GEO	PSI
							ISI-MT-1	MT	1/24/2000	2000M050	NAD	PSI
101424	Standby Liquid Cntrl	ISI-74215A	W- 1	Valve-to-Pipe	B-J	B9.40	ISI-PT-1	PT	1/13/2000	2000P012	NAD	
101428	Standby Liquid Cntrl	ISI-74215A	W- 5	Pipe-to-Elbow	B-J	B9.40	ISI-PT-1	PT	1/13/2000	2000P011	NAD	
101457	Standby Liquid Cntrl	ISI-74215A	W-34	Tee-to-Safe End	B-J	B9.21	ISI-PT-1	PT	1/11/2000	2000P006	NAD	
101458	Standby Liquid Cntrl	ISI-74215A	W-35	Safe End-to-Nozzle	B-F	B5.20	ISI-PT-1	PT	1/11/2000	2000P005	NAD	
101491	Head Vent	ISI-782A-A	B- 1	Flange Bolts	B-G-2	B7.50	ISI-VT-1.0	VT	1/22/2000	2000V193	NAD	
101520	MS Condensate Lkoff	ISI-786A	H- 1	Box Support	F-B	F-A,B,C	ISI-VT-2.0	VT	1/9/2000	2000V033	NAD	
101534	MS Condensate Lkoff	ISI-786A	W-12	Pipe-to-Pipe	B-J	B9.21	ISI-MT-1	MT	1/20/2000	2000M049	NAD	
101560	MS Condensate Lkoff	ISI-786A	W-38	Valve-to-Pipe	B-J	B9.40	ISI-MT-1	MT	1/9/2000	2000M005	NAD	
101562	MS Condensate Lkoff	ISI-786A	W-40	Elbow-to-Pipe	B-J	B9.40	ISI-MT-1	MT	1/9/2000	2000M006	NAD	
101566	MS Condensate Lkoff	ISI-786A	W-44	Elbow-to-Pipe	B-J	B9.40	ISI-MT-1	MT	1/9/2000	2000M007	NAD	
101567	MS Condensate Lkoff	ISI-786A	W-45	Pipe-to-Boss	B-J	B9.40	ISI-MT-1	MT	1/9/2000	2000M008	NAD	
101616	Bottom Head Drain	ISI-821A	B- 1	Flange Bolts	B-G-2	B7.50	ISI-VT-1.0	VT	1/12/2000	2000V016	NAD	
101618	Bottom Head Drain	ISI-821A	H- 2	Box Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/13/2000	2000V048	NAD	
101619	Bottom Head Drain	ISI-821A	H- 3	Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/13/2000	2000V047	NAD	
101621	Bottom Head Drain	ISI-821A	H- 5	Box Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/12/2000	2000V026	NAD	
101622	Bottom Head Drain	ISI-821A	H- 6	Box Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/12/2000	2000V025	NAD	
101623	Bottom Head Drain	ISI-821A	H- 7	Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/12/2000	2000V020	NAD	
101639	Bottom Head Drain	ISI-821A	W-16	Pipe-to-Elbow	B-J	B9.40	ISI-MT-1	MT	1/13/2000	2000M021	NAD	
101640	Bottom Head Drain	ISI-821A	W-17	Elbow-to-Pipe	B-J	B9.40	ISI-MT-1	MT	1/13/2000	2000M022	NAD	
101658	Bottom Head Drain	ISI-821A	W-35	Reducer-to-Tee	B-J	B9.11	ISI-UT-1	UT	1/17/2000	2000U068	NAD	
							ISI-MT-1	MT	1/13/2000	2000M023	NAD	
101677	Bottom Head Drain	ISI-821A	W-55	Pipe-to-Elbow	B-J	B9.40	ISI-MT-1	MT	1/19/2000	2000M040	NAD	
101851	RHR Return A	ISI-97003-A	B- 4	Flange Bolts @ W 22	B-G-2	B7.50	ISI-VT-1.0	VT	1/14/2000	2000V054	NAD	
101852	RHR Return A	ISI-97003-A	B- 5	Valve Bolts	B-G-2	B7.70	ISI-VT-1.0	VT	1/14/2000	2000V053	NAD	
101855	RHR Return A	ISI-97003-A	H- 3	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/14/2000	2000V056	IND	No washers, corrected per CR 20000482.
							ISI-VT-2.0	VT	2/11/2000	2000V219	NAD	PSI
101856	RHR Return A	ISI-97003-A	H- 4	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/14/2000	2000V055	NAD	
101861	RHR Return A	ISI-97003-A	W- 2	Pipe-to-Pipe	B-J	B9.11	ISI-MT-1	MT	1/12/2000	2000M024	NAD	
							ISI-UT-1	UT	1/12/2000	2000U052	GEO	
101884	RHR Return A	ISI-97003-A	W-25 LS D	Pipe-to-Pipe	B-J	B9.10	ISI-PT-1	PT	1/9/2000	2000P003	NAD	
							ISI-UT-16	UT	1/10/2000	2000U024	NAD	

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 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
101888	RHR Return A	ISI-97003-A	W-29 LS U&D	Elbow-to-Pipe	B-J	B9.10	ISI-UT-16	UT	1/15/2000	2000U055	NAD	
							ISI-PT-1	PT	1/14/2000	2000P014	NAD	
101896	RHR Suction A	ISI-97003-B	H- 2	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	2/10/2000	2000V210	IND	Doesn't pivot by hand, pivots w/ wrench. Acceptable per CR20000482.
101897	RHR Suction A	ISI-97003-B	H- 3	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	2/10/2000	2000V209	NAD	PSI
101928	RHR Return B	ISI-97004-A	B- 1	Valve Bolts	B-G-2	B7.70	ISI-VT-1.0	VT	2/2/2000	2000V167	NAD	
101931	RHR Return B	ISI-97004-A	B- 4	Flange Bolts	B-G-2	B7.50	ISI-VT-1.0	VT	1/13/2000	2000V046	NAD	
101935	RHR Return B	ISI-97004-A	H- 3	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/12/2000	2000V028	NAD	PSI
							ISI-VT-2.0	VT	1/15/2000	2000V059	IND	Spherical bearing offset, corrected per CR 20000482.
							ISI-VT-2.0	VT	2/5/2000	2000V178	NAD	PSI
101936	RHR Return B	ISI-97004-A	H- 4	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/12/2000	2000V027	NAD	Doesn't pivot by hand, pivots w/ wrench. Acceptable per CR 20000482.
							ISI-VT-2.0	VT	2/10/2000	2000V208	IND	Doesn't pivot by hand, pivots w/ wrench. Acceptable per CR 20000482.
101940	RHR Return B	ISI-97004-A	W- 1	Valve-to-Pipe	B-J	B9.11	ISI-MT-1	MT	1/11/2000	2000M016	NAD	
							ISI-UT-1	UT	1/11/2000	2000U051	NAD	
101941	RHR Return B	ISI-97004-A	W- 2	Pipe-to-Pipe	B-J	B9.11	ISI-UT-1	UT	1/11/2000	2000U050	NAD	
							ISI-MT-1	MT	1/11/2000	2000M015	NAD	
101960	RHR Return B	ISI-97004-A	W-21	Pipe-to-Weldolet	B-J	B9.31	ISI-MT-1	MT	1/15/2000	2000M029	NAD	
101961	RHR Return B	ISI-97004-A	W-22	Weldolet-to-Flange	B-J	B9.11	ISI-MT-1	MT	1/15/2000	2000M030	NAD	Limited UT exam, 50% coverage
							ISI-UT-1	UT	1/15/2000	2000U064	NAD	Limited UT exam, 50% coverage
101972	Recirculation A	ISI-97005-A	B- 3	Flange Bolts @ W-17	B-G-2	B7.50	ISI-VT-1.0	VT	1/10/2000	2000V017	NAD	
101986	Recirculation A	ISI-97005-A	H- 8	Snubber / Lugs	B-K-1	B10.10	ISI-VT-2.0	VT	1/10/2000	2000V022	NAD	
101988	Recirculation A	ISI-97005-A	H- 9	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/10/2000	2000V024	NAD	
101991	Recirculation A	ISI-97005-A	H-12	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/10/2000	2000V023	NAD	
102016	Recirculation A	ISI-97005-A	W-22 LS U&D	Pipe-to-Tee	B-J	B9.10	ISI-UT-16	UT	1/15/2000	2000U054	NAD	
							ISI-PT-1	PT	1/14/2000	2000P013	NAD	
102019	Recirc Manifold A	ISI-97005-B	H- 2	Snubber / Lugs	B-K-1	B10.10	ISI-VT-2.0	VT	1/9/2000	2000V036	NAD	
102045	Recirc Manifold A	ISI-97005-B	W-15 LS U&D	Elbow-to-Pipe	B-J	B9.10	ISI-UT-16	UT	1/8/2000	2000U004	NAD	
							ISI-PT-1	PT	1/8/2000	2000P001	NAD	
102046	Recirc Manifold A	ISI-97005-B	W-16 LS U	Pipe-to-Pipe	B-J	B9.10	ISI-UT-16	UT	1/8/2000	2000U003	NAD	
							ISI-PT-1	PT	1/8/2000	2000P002	NAD	

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Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
102048	Recirc Manifold A	ISI-97005-B	W-18	Safe End-to-Nozzle	B-F	B5.10	ISI-PT-1	PT	1/12/2000	2000P004	NAD	
							ISI-UT-16	UT	1/12/2000	2000U037	NAD	
102068	Recirc Pump A	ISI-97005-C	H- 6	Snubber / Lugs	B-K-1	B10.20	ISI-VT-2.0	VT	1/26/2000	2000V141	NAD	PSI
102071	Recirc Pump A	ISI-97005-C	H- 8	Snubber / Lugs	B-K-1	B10.20	ISI-VT-2.0	VT	1/15/2000	2000V061	NAD	Drawing discrepancy, acceptable per CR 20000482. Revise drawing
102072	Recirc Pump A	ISI-97005-C	H- 9	Snubber / Lugs	B-K-1	B10.20	ISI-VT-2.0	VT	1/15/2000	2000V058	IND	Spherical bearing offset. Corrected under CR 20000482.
							ISI-VT-2.0	VT	2/8/2000	2000V199	NAD	PSI
102079	Recirculation B	ISI-97006-A	H- 1	Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/10/2000	2000V021	NAD	
102106	Recirculation B	ISI-97006-A	W- 5 LS U&D	Pipe-to-Branch	B-J	B9.31	ISI-UT-16	UT	1/17/2000	2000U092	NAD	Limited UT Exam. 39% coverage
							ISI-PT-1	PT	1/15/2000	2000P015	NAD	Limited UT Exam. 39% coverage
102124	Recirc Manifold B	ISI-97006-B	H- 1	Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/9/2000	2000V044	NAD	
102125	Recirc Manifold B	ISI-97006-B	H- 2	Snubber / Lugs	B-K-1	B10.10	ISI-VT-2.0	VT	1/9/2000	2000V018	NAD	
102131	Recirc Manifold B	ISI-97006-B	H- 3	Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/9/2000	2000V050	NAD	
102143	Recirc Manifold B	ISI-97006-B	W- 4	Safe End-to-Nozzle	B-F	B5.10	ISI-UT-16	UT	1/12/2000	2000U036	NAD	
							ISI-PT-1	PT	1/12/2000	2000P010	NAD	
102173	Recirc Pump B	ISI-97006-C	H- 2	Rod/Clevis Grip/Lugs	B-K-1	B10.20	ISI-VT-2.0	VT	1/15/2000	2000V060	NAD	
102174	Recirc Pump B	ISI-97006-C	H- 3	Rod/Clevis Grip/Lugs	B-K-1	B10.20	ISI-VT-2.0	VT	1/15/2000	2000V191	NAD	
102177	Recirc Pump B	ISI-97006-C	H- 6	Snubber / Lugs	B-K-1	B10.20	ISI-VT-2.0	VT	1/26/2000	2000V142	NAD	
102196	RHR Equalizer	ISI-97027-A	H- 3	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/9/2000	2000V035	IND	Washer missing, corrected per CR 20000482.
							ISI-VT-2.0	VT	2/11/2000	2000V220	NAD	PSI
102197	RHR Equalizer	ISI-97027-A	H- 4	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/9/2000	2000V034	NAD	
102216	RHR Equalizer	ISI-97027-A	W-19	Elbow-to-Pipe	B-J	B9.11	ISI-MT-1	MT	1/9/2000	2000M018	NAD	
							ISI-UT-1	UT	1/9/2000	2000U027	NAD	
102219	RHR Equalizer	ISI-97027-A	W-22	Pipe-to-Elbow	B-J	B9.11	ISI-MT-1	MT	1/9/2000	2000M019	NAD	
							ISI-UT-1	UT	1/9/2000	2000U029	GEO	
102225	RHR Equalizer	ISI-97027-A	W-28	Pipe-to-Elbow	B-J	B9.11	ISI-MT-1	MT	1/9/2000	2000M020	NAD	
							ISI-UT-1	UT	1/9/2000	2000U028	GEO	
102376	Reactor Vessel	ISI Fig 1	N- 6B IR	N- 6B Inner Radius	B-D	B3.100	ISI-UT-5	UT	1/14/2000	2000U053	NAD	
102377	Reactor Vessel	ISI Fig 1	N- 6B NV	N- 6B Noz/Head Weld	B-D	B3.90	ISI-UT-3A	UT	1/14/2000	2000U063	NAD	Limited exam, 70% coverage
102396	CRD Housings	ISI Fig 2	02-31 (Lower)	CRD Housing Weld	B-O	B14.10	ISI-PT-1	PT	1/13/2000	2000P008	NAD	
102397	CRD Housings	ISI Fig 2	02-31 (Upper)	CRD Housing Weld	B-O	B14.10	ISI-PT-1	PT	1/13/2000	2000P009	NAD	
102622	Reactor Vessel	ISI Fig 3	N-10 IR	N-10 Inner Radius	B-D	B3.100	ISI-UT-5	UT	1/10/2000	2000U015	NAD	

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Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
102623	Reactor Vessel	ISI Fig 3	N-10 NV	N-10 Noz/Vsl Weld	B-D	B3.90	ISI-UT-3A	UT	1/10/2000	2000U048	NAD	Limited exam, 55% coverage
							ISI-UT-3A	UT	1/10/2000	2000U023	NAD	Limited exam, 55% coverage
							ISI-UT-3A	UT	1/10/2000	2000U049	NAD	Limited exam, 55% coverage
102626	Reactor Vessel	ISI Fig 3	W- 2	B.H. Dollar Pl L.S.	B-A	B1.22	ISI-UT-3A	UT	1/13/2000	2000U066	NAD	Limited exam, 35% coverage
102659	Reactor Vessel	ISI Fig 5	N- 2C IR	N- 2C Inner Radius	B-D	B3.100	ISI-UT-5	UT	1/12/2000	2000U044	NAD	Arc Strike on vessel. Removed per WO 0000635
102660	Reactor Vessel	ISI Fig 5	N- 2C NV	N- 2C Noz/Vsl Weld	B-D	B3.90	ISI-UT-10	UT	2/3/2000	2000U112	NAD	Limited UT exam, 61% coverage
							ISI-MT-1	MT	2/4/2000	2000M072	NAD	Limited UT exam, 61% coverage
							ISI-UT-10	UT	2/4/2000	2000U113	NAD	Limited UT exam, 61% coverage
							ISI-UT-3A	UT	1/12/2000	2000U040	NAD	Limited UT exam, 61% coverage
102665	Reactor Vessel	ISI Fig 5	N- 2F IR	N- 2F Inner Radius	B-D	B3.100	ISI-UT-5	UT	1/12/2000	2000U045	NAD	
102666	Reactor Vessel	ISI Fig 5	N- 2F NV	N- 2F Noz/Vsl Weld	B-D	B3.90	ISI-UT-3A	UT	1/12/2000	2000U041	NAD	Limited exam, 61% coverage
102677	Reactor Vessel	ISI Fig 5	N- 3B IR	N- 3B Inner Radius	B-D	B3.100	ISI-UT-5	UT	1/9/2000	2000U001	NAD	
102678	Reactor Vessel	ISI Fig 5	N- 3B NV	N- 3B Vsl/Noz Weld	B-D	B3.90	ISI-UT-3A	UT	1/9/2000	2000U031	NAD	Limited UT exams, 61% coverage
							ISI-UT-3A	UT	1/9/2000	2000U032	NAD	Limited UT exams, 61% coverage
							ISI-UT-3A	UT	1/9/2000	2000U033	NAD	Limited UT exams, 61% coverage
102681	Reactor Vessel	ISI Fig 5	N- 3D IR	N- 3D Inner Radius	B-D	B3.100	ISI-UT-5	UT	1/9/2000	2000U002	NAD	
102682	Reactor Vessel	ISI Fig 5	N- 3D NV	N- 3D Vsl/Noz Weld	B-D	B3.90	ISI-UT-3A	UT	1/9/2000	2000U034	NAD	Limited exam, 61% coverage.
102683	Reactor Vessel	ISI Fig 5	N- 4A IR	N- 4A Inner Radius	B-D	B3.100	ISI-VT-4.0	VT	1/14/2000	2000V104	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
							ISI-UT-5	UT	1/11/2000	2000U021	NAD	
102685	Reactor Vessel	ISI Fig 5	N- 4B IR	N- 4B Inner Radius	B-D	B3.100	ISI-VT-4.0	VT	1/19/2000	2000V103	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
102687	Reactor Vessel	ISI Fig 5	N- 4C IR	N- 4C Inner Radius	B-D	B3.100	ISI-VT-4.0	VT	1/14/2000	2000V105	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
102689	Reactor Vessel	ISI Fig 5	N- 4D IR	N- 4D Inner Radius	B-D	B3.100	ISI-UT-5	UT	1/11/2000	2000U019	NAD	
							ISI-VT-4.0	VT	1/14/2000	2000V106	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.

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 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
102690	Reactor Vessel	ISI Fig 5	N- 4D NV	N- 4D Noz/Vsl Weld	B-D	B3.90	ISI-UT-3A	UT	1/11/2000	2000U016	NAD	Limited UT exams, <90% coverage
							ISI-UT-3A	UT	1/11/2000	2000U017	NAD	Limited UT exams, <90% coverage
							ISI-UT-3A	UT	1/11/2000	2000U018	NAD	Limited UT exams, <90% coverage
102691	Reactor Vessel	ISI Fig 5	N- 5A IR	N- 5A Inner Radius	B-D	B3.100	ISI-UT-5	UT	1/11/2000	2000U020	NAD	
102692	Reactor Vessel	ISI Fig 5	N- 5A NV	N- 5A Noz/Vsl Weld	B-D	B3.90	ISI-UT-3A	UT	1/11/2000	2000U035	NAD	Limited exam, 61% coverage
102716	Reactor Vessel	ISI Fig 0	C- 1	Top Core Guides & Br	B-N-1	B13.10	ISI-VT-4.0	VT	1/15/2000	2000V100	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
102717	Reactor Vessel	ISI Fig 0	C- 2	Jet Pump Top Asbly	B-N-1	B13.10	ISI-VT-4.0	VT	1/12/2000	2000V094	IND	Acceptable per CR20000209, See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
102718	Reactor Vessel	ISI Fig 0	C- 3	Shroud Shelf	B-N-1	B13.10	ISI-VT-4.0	VT	1/15/2000	2000V098	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
102719	Reactor Vessel	ISI Fig 0	C- 4	Surv. Sample & Brack	B-N-1	B13.10	ISI-VT-4.0	VT	1/15/2000	2000V101	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
102720	Reactor Vessel	ISI Fig 0	C- 5	CS Sparger & Bracket	B-N-1	B13.10	ISI-VT-4.0	VT	1/13/2000	2000V097	IND	Acceptable per CR20000209. See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
102721	Reactor Vessel	ISI Fig 0	C- 6	FW Sparger & Bracket	B-N-1	B13.10	ISI-VT-4.0	VT	1/16/2000	2000V102	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
102722	Reactor Vessel	ISI Fig 0	C- 7	Shroud Supports	B-N-1	B13.10	ISI-VT-4.0	VT	1/16/2000	2000V099	IND	Acceptable per CR20000209. See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
102723	Reactor Vessel	ISI Fig 0	C- 8	Steam Dryer Brackets	B-N-1	B13.10	ISI-VT-4.0	VT	1/19/2000	2000V095	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.



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 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
102724	Reactor Vessel	ISI Fig 0	C-9	Stm Dryer Supp Brkts	B-N-1	B13.10	ISI-VT-4.0	VT	1/15/2000	2000V107	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
102728	Reactor Vessel	ISI Fig 0	C-10	Stm Dryer&Seperator	B-N-1	B13.10	ISI-VT-4.0	VT	1/17/2000	2000V098	NAD	See ISI-VT-4.0 Master Copy attached to WO 9904863 and also see Framatome 2000-RFO IVVI Report for the exam results.
105023	Head Vent	ISI-782A-A	H-1	Hanger	F-B	F-A,B,C	ISI-VT-2.0	VT	2/10/2000	2000V205	NAD	PSI
105024	Head Vent	ISI-782A-A	H-2	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	2/10/2000	2000V206	NAD	PSI
105025	Head Vent	ISI-782A-A	H-3	Hanger	F-B	F-A,B,C	ISI-VT-2.0	VT	2/10/2000	2000V207	NAD	PSI

<b>CLASS 2</b>												
Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
100056	RHR Suction A	ISI-13142-17-A	H- 1	Strut / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/29/2000	2000V146	NAD	PSI
100068	RHR Suction A	ISI-13142-17-A	W- 3	Reducer-to-Tee	C-F-2	C5.51	ISI-MT-1	MT	1/26/2000	2000M061	NAD	
							ISI-UT-1	UT	1/26/2000	2000U098	NAD	
100100	HPCI Water Side Scn	ISI-13142-17-B	H- 3	Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V008	NAD	Lack of thread engagement, Acceptable per NCI 91-036
100101	HPCI Water Side Scn	ISI-13142-17-B	H- 4	Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V009	NAD	Baseplate gap, Acceptable per NCI-043
100115	HPCI Water Side Scn	ISI-13142-17-B	W-14	Pipe-to-Tee	C-F-2	C5.51	ISI-UT-1	UT	1/7/2000	2000U009	NAD	
							ISI-MT-1	MT	1/7/2000	2000M004	NAD	
100133	RHR Suction B	ISI-13142-17-C	H- 6	Dbl Spr / Half Clamp	C-C	C3.20	ISI-VT-2.0	VT	1/21/2000	2000V091	NAD	
							ISI-MT-1	MT	1/22/2000	2000M044	NAD	
100135	RHR Suction B	ISI-13142-17-C	H- 8	Dbl Spr / Half Clamp	C-C	C3.20	ISI-VT-2.0	VT	1/21/2000	2000V089	NAD	
							ISI-PT-1	PT	1/22/2000	2000P017	NAD	
100139	RHR Suction B	ISI-13142-17-C	W- 3	Elbow-to-Pipe	C-F-2	C5.51	ISI-MT-1	MT	1/21/2000	2000M071	NAD	
							ISI-UT-1	UT	1/21/2000	2000U081	NAD	
100156	RHR Suction B	ISI-13142-17-C	W-20	Elbow-to-Pump	C-F-2	C5.51	ISI-MT-1	MT	1/22/2000	2000M045	NAD	
							ISI-UT-1	UT	1/22/2000	2000U103	GEO	
100167	RHR Suction B	ISI-13142-17-C	W-31	Elbow-to-Pipe	C-F-2	C5.51	ISI-UT-1	UT	1/22/2000	2000U102	NAD	
							ISI-MT-1	MT	1/22/2000	2000M046	NAD	
100169	RHR Discharge B	ISI-13142-18-A	H- 2	Box Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V004	IND	Baseplate gap, acceptable per NCR 93-155
							ISI-VT-2.0	VT	2/15/2000	2000V257	NAD	Baseplate gap, acceptable per NCR 93-155
100171	RHR Discharge B	ISI-13142-18-A	H- 4	Box Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V005	NAD	

NIS-1 Attachment 1 Inservice Inspection Report

Owner: Northern States Power Company, 414 Nicollet Mall, Mpls, MN 55401  
 Plant: Monticello Nuclear Generating Plant, Hwy 75, Monticello, MN 55362  
 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
100264	HPCI Steam Disch	ISI-13142-19-A	H- 2	Dbl Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	2/12/2000	2000V212	NAD	PSI
							ISI-VT-2.0	VT	1/24/2000	2000V090	NAD	PSI, spacers installed
100265	HPCI Steam Disch	ISI-13142-19-A	H- 3	Dbl Spring / 4 Lugs	C-C	C3.20	ISI-VT-2.0	VT	2/7/2000	2000V195	IND	Missing cotter pin, load out of tolerance, bolts not burred. Corrected per CR 20000482.
							ISI-VT-2.0	VT	2/9/2000	2000V215	IND	PSI, Bolts still not burred. Corrected per CR 20000482.
							ISI-VT-2.0	VT	2/11/2000	2000V218	NAD	PSI
100268	HPCI Steam Disch	ISI-13142-19-A	H- 5	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	2/9/2000	2000V194	IND	Missing cotter pin, load out of tolerance. Corrected per CR 20000482
							ISI-VT-2.0	VT	2/11/2000	2000V217	NAD	PSI
100269	HPCI Steam Disch	ISI-13142-19-A	H- 6	Strut / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/9/2000	2000V049	NAD	
100270	HPCI Steam Disch	ISI-13142-19-A	H- 7	Dbl Spring / 4 Lugs	C-C	C3.20	ISI-MT-1	MT	1/21/2000	2000M052	NAD	
							ISI-VT-2.0	VT	1/8/2000	2000V037	IND	Loose nut, loads out of tolerance. Corrected per CR 20000482
							ISI-VT-2.0	VT	2/8/2000	2000V198	NAD	PSI
100272	HPCI Steam Disch	ISI-13142-19-A	H- 8	Strut / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V007	NAD	Plant labelling incorrect. Corrected under CR 20000482
100273	HPCI Steam Disch	ISI-13142-19-A	H- 9	Strut / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V010	NAD	
100292	HPCI Steam Disch	ISI-13142-19-A	W-19	Elbow-to-Valve	C-F-2	C5.51	ISI-MT-1	MT	1/21/2000	2000M051	NAD	
							ISI-UT-1	UT	1/22/2000	2000U104	GEO	
100357	Core Spray A	ISI-13142-20-A	W-22	Pipe-to-Pump	C-F-2	C5.51	ISI-UT-1	UT	1/26/2000	2000U099	NAD	
							ISI-MT-1	MT	1/26/2000	2000M060	NAD	
100429	Core Spray B	ISI-13142-26-A	H- 3	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	2/5/2000	2000V179	NAD	
100434	Core Spray B	ISI-13142-26-A	W- 1	Valve-to-Pipe	C-F-2	C5.51	ISI-MT-1	MT	2/5/2000	2000M069	NAD	
							ISI-UT-1	UT	2/5/2000	2000U109	GEO	
100435	Core Spray B	ISI-13142-26-A	W- 2	Pipe-to-Elbow	C-F-2	C5.51	ISI-MT-1	MT	1/21/2000	2000M057	NAD	
							ISI-UT-1	UT	1/22/2000	2000U088	NAD	
100436	Core Spray B	ISI-13142-26-A	W- 3	Elbow-to-Pipe	C-F-2	C5.51	ISI-UT-1	UT	1/22/2000	2000U089	NAD	
							ISI-MT-1	MT	1/21/2000	2000M054	NAD	
100437	Core Spray B	ISI-13142-26-A	W- 4	Pipe-to-Elbow	C-F-2	C5.51	ISI-UT-1	UT	1/22/2000	2000U086	GEO	
							ISI-MT-1	MT	1/21/2000	2000M055	NAD	
100438	Core Spray B	ISI-13142-26-A	W- 5	Elbow-to-Valve	C-F-2	C5.51	ISI-MT-1	MT	1/21/2000	2000M056	NAD	Limited exam, >90% coverage
							ISI-UT-1	UT	1/22/2000	2000U087	GEO	Limited exam, >90% coverage
100470	Core Spray B	ISI-13142-26-B	W-18	Reducer-to-Valve	C-F-2	C5.51	ISI-UT-1	UT	2/5/2000	2000U110	NAD	
							ISI-MT-1	MT	2/5/2000	2000M068	NAD	

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 Plant: Monticello Nuclear Generating Plant, Hwy 75, Monticello, MN 55362  
 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
100782	RHR Discharge A	ISI-13142-37-A	H- 1	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/31/2000	2000V149	IND	Baseplate gap. Corrected per CR 20000482.
							ISI-VT-2.0	VT	2/16/2000	2000V267	NAD	PSI
100783	RHR Discharge A	ISI-13142-37-A	H- 2	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/31/2000	2000V151	NAD	
100786	RHR Discharge A	ISI-13142-37-A	H- 5	Dbt Strut / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/31/2000	2000V150	NAD	
100796	RHR Discharge A	ISI-13142-37-A	W- 6	Pipe-to-Elbow	C-F-2	C5.51	ISI-MT-1	MT	1/20/2000	2000M042	NAD	
							ISI-UT-1	UT	1/20/2000	2000U084	NAD	
100811	RHR Discharge A	ISI-13142-37-A	W-21	Valve-to-Elbow	C-F-2	C5.51	ISI-MT-1	MT	1/21/2000	2000M047	NAD	
							ISI-UT-1	UT	1/21/2000	2000U090	GEO	
100875	HPCI Water Side Dsch	ISI-13142-40-A	H- 1	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V001	NAD	
100876	HPCI Water Side Dsch	ISI-13142-40-A	H- 2	Box Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V006	NAD	
100879	HPCI Water Side Dsch	ISI-13142-40-A	H- 5	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	2/12/2000	2000V216	NAD	PSI
100886	HPCI Water Side Dsch	ISI-13142-40-A	H-12	Rod / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V011	NAD	
100912	HPCI Water Side Dsch	ISI-13142-40-B	H- 1	Rod / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V012	NAD	Inadequate thread engagement. Acceptable per NCI 91-036.
100913	HPCI Water Side Dsch	ISI-13142-40-B	H- 2	Strut / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V002	IND	Chain fall on support beam - removed. Inadequate clearance. Acceptable per CR 20000482. Revise drawing.
100914	HPCI Water Side Dsch	ISI-13142-40-B	H- 3	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V013	IND	Loose nuts / washers. Corrected per CR 20000482.
							ISI-VT-2.0	VT	2/7/2000	2000V189	NAD	PSI
100915	HPCI Water Side Dsch	ISI-13142-40-B	H- 4	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000V003	IND	Drawing discrepancy. Revise drawing per CR 20000482.
100916	HPCI Water Side Dsch	ISI-13142-40-B	H- 5	Box Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	2/4/2000	2000V176	NAD	
100949	HPCI Water Side Dsch	ISI-13142-40-B	W-24	Pipe-to-Tee	C-F-2	C5.51	ISI-UT-1	UT	1/19/2000	2000U076	NAD	
100987	HPCI Steam	ISI-13142-42-A	H-11	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/22/2000	2000V083	IND	PSI. Missing washers. Acceptable per CR 20000482 & CR 20000569.
100988	HPCI Steam	ISI-13142-42-A	H-12	Box Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	12/9/1999	2000V057	NAD	PSI
							ISI-VT-2.0	VT	2/18/2000	2000V271	NAD	PSI
100989	HPCI Steam	ISI-13142-42-A	H-13	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	2/7/2000	2000V201	IND	Baseplate gap. Corrected per 20000482.
							ISI-VT-2.0	VT	2/21/2000	2000V272	NAD	PSI
100990	HPCI Steam	ISI-13142-42-A	H-14	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	2/7/2000	2000V200	NAD	
101010	HPCI Steam	ISI-13142-42-A	W-18	Valve-to-Tee	C-F-2	C5.51	ISI-UT-1	UT	1/25/2000	2000U097	GEO	PSI
							ISI-MT-1	MT	1/25/2000	2000M058	NAD	PSI
101107	RHR Suction A	ISI-13142-49-A	H- 4	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	2/12/2000	2000V214	NAD	PSI
101113	RHR Suction B	ISI-13142-49-A	H-10	Snubber / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	2/12/2000	2000V213	NAD	PSI

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 Plant: Monticello Nuclear Generating Plant, Hwy 75, Monticello, MN 55362  
 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
101139	RHR Discharge A	ISI-13142-51-A	H- 1	Snubber / Dbl Strut	F-B	F-A,B,C	ISI-VT-2.0	VT	2/12/2000	2000V221	NAD	PSI
101172	Containment Spray	ISI-13142-51-B	H- 7	Spring / Clamp	F-C	F-A,B,C	ISI-VT-2.0	VT	1/21/2000	2000V093	NAD	
101173	Containment Spray	ISI-13142-51-B	H- 8	Strut / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/21/2000	2000V092	NAD	
101186	Containment Spray	ISI-13142-51-B	W-12	Tee-to-Pipe	C-F-2	C5.51	ISI-UT-1	UT	1/25/2000	2000U101	NAD	
							ISI-MT-1	MT	1/25/2000	2000M053	NAD	
101207	Feedwater	ISI-13142-52-A	W- 1	Valve-to-Tee	C-F-2	C5.51	ISI-UT-1	UT	1/10/2000	2000U012	NAD	
101208	Feedwater	ISI-13142-52-A	W- 2	Tee-to-Pipe	C-F-2	C5.51	ISI-UT-1	UT	1/10/2000	2000U013	NAD	
101209	Feedwater	ISI-13142-52-A	W- 3	Pipe-to-Pipe	C-F-2	C5.51	ISI-UT-1	UT	1/10/2000	2000U014	NAD	
101260	Feedwater	ISI-13142-53-A	W- 1	Valve-to-Tee	C-F-2	C5.51	ISI-UT-1	UT	1/19/2000	2000U071	NAD	
101261	Feedwater	ISI-13142-53-A	W- 2	Tee-to-Pipe	C-F-2	C5.51	ISI-UT-1	UT	1/19/2000	2000U070	NAD	
101262	Feedwater	ISI-13142-53-A	W- 3	Pipe-to-Pipe	C-F-2	C5.51	ISI-UT-1	UT	1/19/2000	2000U060	NAD	
101594	RHR Heat Exchanger A	ISI-7905-32A	N- 1	Shell-Pad-Noz	C-B	C2.31	ISI-MT-1	MT	1/18/2000	2000M035	NAD	
101604	RHR Heat Exchanger B	ISI-7905-32B	N- 1	Shell-Pad-Noz	C-B	C2.31	ISI-MT-1	MT	1/15/2000	2000M028	NAD	
101605	RHR Heat Exchanger B	ISI-7905-32B	N- 2	Shell-Pad-Noz	C-B	C2.31	ISI-MT-1	MT	1/15/2000	2000M027	NAD	
101606	RHR Heat Exchanger B	ISI-7905-32B	Support A	Support A,E200B 0°	C-C	C3.10	ISI-MT-1	MT	1/17/2000	2000M036	NAD	
							ISI-VT-2.0	VT	1/17/2000	2000V073	NAD	
101607	RHR Heat Exchanger B	ISI-7905-32B	Support B	Support B,E200B 180°	C-C	C3.10	ISI-MT-1	MT	1/17/2000	2000M031	NAD	Limited Surface Exam, >90% coverage
							ISI-VT-2.0	VT	1/17/2000	2000V072	NAD	
101609	RHR Heat Exchanger B	ISI-7905-32B	Support C	Support C,E200B 315°	C-C	C3.10	ISI-PT-1	PT	1/21/2000	2000P016	NAD	
							ISI-VT-2.0	VT	1/17/2000	2000V074	NAD	
							ISI-MT-1	MT	1/21/2000	2000M043	NAD	
101612	RHR Heat Exchanger B	ISI-7905-32B	W- 2	Lower Flange/Shell	C-A	C1.10	ISI-UT-1	UT	1/14/2000	2000U057	NAD	
101614	RHR Heat Exchanger B	ISI-7905-32B	W- 4	Lower Head Circ Weld	C-A	C1.20	ISI-UT-1	UT	1/15/2000	2000U058	NAD	
101684	HPCI Pumps	ISI-8292-42A	DVMX Supp C	DVMX Pump Support	F-B	F-A,B,C	ISI-VT-2.0	VT	1/31/2000	2000V147	NAD	
101685	HPCI Pumps	ISI-8292-42A	DVMX Supp D	DVMX Pump Support	F-B	F-A,B,C	ISI-VT-2.0	VT	1/31/2000	2000V148	NAD	
101713	CRD Scram Header A	ISI-93268-1A	H-12	Strut / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/25/2000	2000V108	NAD	PSI
101715	CRD Scram Header A	ISI-93268-1A	H-14	Strut / Clamp	F-B	F-A,B,C	ISI-VT-2.0	VT	1/25/2000	2000V109	NAD	PSI
102745	RHR Pumps	ISI-48	RHR Support C	Pump Support	C-C	C3.30	ISI-VT-2.0	VT	1/19/2000	2000V082	NAD	
							ISI-MT-1	MT	1/31/2000	2000M062	NAD	

NIS-1 Attachment 1 Inservice Inspection Report

Owner: Northern States Power Company, 414 Nicollet Mall, Mpls, MN 55401  
 Plant: Monticello Nuclear Generating Plant, Hwy 75, Monticello, MN 55362  
 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
<b>CLASS 3</b>												
102228	RHR SERVICE WATER	ND-ISI-100	SWH-180	Clevis	F-B	F-A,B,C	ISI-VT-2.0	VT	12/17/1999	1999V008	IND	Hanger loose ( no load), lack of clearance. Load corrected per CR 19993795. Clearance acceptable per CR 19993795 -- revise drawing.
	RHR SERVICE WATER	ND-ISI-100					ISI-VT-2.0	VT	12/22/1999	1999V018	NAD	PSI
	RHR SERVICE WATER	ND-ISI-100					ISI-VT-2.0	VT	1/19/2000	2000V081	IND	Hanger loose ( no load), lack of clearance. Load corrected per CR 19993795. Clearance acceptable per CR 19993795 -- revise drawing.
	RHR SERVICE WATER	ND-ISI-100					ISI-VT-2.0	VT	2/7/2000	2000V192	NAD	PSI
102229	RHR SERVICE WATER	ND-ISI-101	SR-563	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	2/4/2000	2000V175	NAD	
102230	RHR SERVICE WATER	ND-ISI-101	SR-81	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	12/17/1999	1999V002	NAD	
102231	RHR SERVICE WATER	ND-ISI-101	SS-562	Double Strut/Snubber	F-B	F-A,B,C	ISI-VT-2.0	VT	1/18/2000	2000V075	IND	Washers missing, minor baseplate gap, lack of clearance. Washers installed per CR 20000482. Remainder acceptable per CR 20000482.
	RHR SERVICE WATER	ND-ISI-101					ISI-VT-2.0	VT	2/12/2000	2000V222	NAD	PSI
102240	RHR SERVICE WATER	ND-ISI-102	SR-213	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	12/17/1999	1999V001	IND	Lack of clearance, baseplate gap. Gap corrected per CR 20000482. Clearance acceptable per CR 20000482 -- revise drawing.
	RHR SERVICE WATER	ND-ISI-102					ISI-VT-2.0	VT	2/16/2000	2000V265	NAD	PSI
102250	RHR Service Water	ND-ISI-103	SR-395	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	12/13/1999	1999V005	NAD	
102253	RHR Service Water	ND-ISI-103	SR-464	Strut	F-B	F-A,B,C	ISI-VT-2.0	VT	1/31/2000	2000V152	NAD	
102255	RHR Service Water	ND-ISI-103	SWH-161	Rod & Strut	F-B	F-A,B,C	ISI-VT-2.0	VT	1/31/2000	2000V153	NAD	
102257	RHR SERVICE WATER	ND-ISI-104	SR-461	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	12/13/1999	1999V011	NAD	
102267	RHR SERVICE WATER	ND-ISI-105	SWH-483	Rod	F-B	F-A,B,C	ISI-VT-2.0	VT	12/22/1999	1999V007	NAD	
102270	RHR SERVICE WATER	ND-ISI-106	SR-450	Strut	F-B	F-A,B,C	ISI-VT-2.0	VT	12/22/1999	1999V019	IND	Baseplate gap. Corrected per 19993842.
	RHR SERVICE WATER	ND-ISI-106					ISI-VT-2.0	VT	2/16/2000	2000V264	NAD	PSI
102275	RHR SERVICE WATER	ND-ISI-106	SW-16	Rod	F-B	F-A,B,C	ISI-VT-2.0	VT	12/22/1999	1999V006	IND	Drawing noncompliance, nuts installed differently than on drawing. Acceptable per CR 20000482, revise drawing.
102288	RHR SERVICE WATER	ND-ISI-107	SR-469	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	12/13/1999	1999V012	NAD	
102291	RHR SERVICE WATER	ND-ISI-107	SWH-8	Dead Weight Support	F-B	F-A,B,C	ISI-VT-2.0	VT	12/13/1999	1999V013	NAD	

NIS-1 Attachment 1 Inservice Inspection Report

Owner: Northern States Power Company, 414 Nicollet Mall, Mpls, MN 55401  
 Plant: Monticello Nuclear Generating Plant, Hwy 75, Monticello, MN 55362  
 Plant Unit: 1

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date: 06/30/1971  
 National Board Number for Unit: N/A

Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
102295	RHR SERVICE WATER	ND-ISI-108	ISI-SWH-70	Dead Weight Support	F-B	F-A,B,C	ISI-VT-2.0	VT	12/13/1999	1999V004	IND	Baseplate gap. *Piping system to be replaced due to MIC. Condition to be corrected during piping replacement per CR 20000482
102300	RHR SERVICE WATER	ND-ISI-108	SR-382	Strut	F-B	F-A,B,C	ISI-VT-2.0	VT	12/13/1999	1999V009	IND	Minor baseplate gap, acceptable per CR 20000482.
102306	RHR SERVICE WATER	ND-ISI-108	SR-401	Strut	F-B	F-A,B,C	ISI-VT-2.0	VT	12/13/1999	2000V266	NAD	Baseplate gap, corrected per CR 20000482.
	RHR SERVICE WATER	ND-ISI-108					ISI-VT-2.0	VT	2/16/2000	1999V015	NAD	PSI
102319	RHR SERVICE WATER	ND-ISI-109	SW-4B	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	12/13/1999	1999V015	IND	Extra attachment not shown on drawing, baseplate gaps. Acceptable per CR 20000482 -- revise drawing.
102321	RHR SERVICE WATER	ND-ISI-109	SWH-498	Rod	F-B	F-A,B,C	ISI-VT-2.0	VT	12/22/1999	1999V020	IND	Lack of clearance, acceptable per CR 19993744. Revise drawing.
102324	RHR SERVICE WATER	ND-ISI-110	SW-29	Rod	F-B	F-A,B,C	ISI-VT-2.0	VT	2/4/2000	2000V173	NAD	
102329	RHR SERVICE WATER	ND-ISI-123	H-203	Rod	F-B	F-A,B,C	ISI-VT-2.0	VT	1/18/2000	2000V076	NAD	
102335	Combustible Gas Ctrl	ND-ISI-141	SR-224	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	12/22/1999	1999V017	NAD	
102337	Combustible Gas Ctrl	ND-ISI-141	SR-265	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	12/13/1999	1999V010	NAD	
102347	Combustible Gas Ctrl	ND-ISI-144	SS-211	Snubber	F-B	F-A,B,C	ISI-VT-2.0	VT	12/13/1999	1999V016	NAD	PSI
	Combustible Gas Ctrl	ND-ISI-144					ISI-VT-2.0	VT	2/12/2000	2000V211	NAD	PSI
102348	Combustible Gas Ctrl	ND-ISI-144	SR-225	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	12/17/1999	1999V003	NAD	
106099	RHR SERVICE WATER	NGS-00Q015-02	SR-903	BEAM/PLATE	F-B	F-A,B,C	ISI-VT-2.0	VT	2/7/2000	2000V187	IND	PSI. No tolerances on new drawing to address pipe/support clearances. One shim installed, balance acceptable per CR 20000739. Revise drawing.
	RHR SERVICE WATER	NGS-00Q015-02					ISI-VT-2.0	VT	2/13/2000	2000V227	NAD	PSI
106100	RHR SERVICE WATER	NGS-00Q15-03	SR-902	SUPPORT PLATE	F-B	F-A,B,C	ISI-VT-2.0	VT	2/7/2000	2000V190	NAD	PSI
106101	RHR SERVICE WATER	NGS-00Q015-03	SR-901	BEAM / PLATE	F-B	F-A,B,C	ISI-VT-2.0	VT	2/7/2000	2000V184	IND	PSI. No tolerances on new drawings to address pipe/support clearances. Acceptable per CR 20000739 -- revise drawing.
106102	RHR SERVICE WATER	NGS-00Q015-03	SR-900	BEAM / PLATE	F-B	F-A,B,C	ISI-VT-2.0	VT	2/7/2000	2000V185	IND	PSI. No tolerances to address pipe/support clearances on new drawings. Acceptable per CR 20000739, revise drawing.

**APPENDIX B**

**Interval 3, Period 3**

**List of Section XI VT-2 Examinations**

<b><u>Test Number</u></b>	<b><u>Type</u></b>	<b><u>System</u></b>	<b><u>Results</u></b>
0255-02-IIA-1	Hydro	SBLC	Satisfactory
0255-02-IIB-1	Functional	SBLC	Satisfactory
0255-02-IIB-2	Functional	SBLC	Satisfactory
0255-04-IIB-3	Functional	RHR SD CLG Suction	Satisfactory
0255-05-IIB-1	Functional	RHRSW "A"	Satisfactory
0255-05-IIB-2	Functional	RHRSW "B"	Satisfactory
0255-11-IIB-1	Functional	EDG-ESW "A"	Satisfactory
0255-11-IIB-2	Functional	EDG-ESW "B"	Satisfactory
0255-11-IIB-3	Functional	ESW "A"	Satisfactory
0255-11-IIB-4	Functional	ESW "B"	Satisfactory
0255-12-IIB-1	Functional	Feedwater "A"	Satisfactory
0255-12-IIB-2	Functional	Feedwater "B"	Satisfactory
0255-12-IIA-2	Hydro	Feedwater "A"	Satisfactory
0255-12-IIA-1	Hydro	Feedwater "B"	Satisfactory
0255-20-IIC-1	Leakage	Reactor Coolant	Satisfactory
0255-20-IIC-2	Leakage	Reactor Coolant	Satisfactory
0255-21-IIB-1	Functional	CGCS "A" - Water Lines	Satisfactory
0255-21-IIB-2	Functional	CGCS "B" - Water Lines	Satisfactory
0255-21-IIB-3	Functional	CGCS "A" - Air Lines	Satisfactory
0255-21-IIB-4	Functional	CGCS "B" - Air Lines	Satisfactory

**APPENDIX C**

**Interval 3, Period 3**

**Reactor Vessel IVVI Examinations**

**In-Vessel Visual Examination Project Overview:**

During the 2000 Monticello Nuclear Generating Station refueling outage, comprehensive visual examinations of reactor vessel internal components were conducted to ensure the continued integrity of the RPV internals. These examinations were conducted in accordance with NSP procedures ISI-VT-4.0, Revision 4 and ISI-VT-4.1, Revision 2. Additionally all enhanced visual inspections (EVT-1) were performed per the recommendations set forth in BWRVIP-03. A synopsis of the components examined, the methods utilized, and the examination results are provided below.

**Examination Scope**

The following table shows the final scope of In-Vessel Visual Examinations, along with the examination techniques employed:

<b>Component</b>	<b>Scope of Work</b>	<b>Inspection Technique</b>
Guide Rod Brackets (2)	Bracket to Vessel Wall	VT-3
	Upper Guide Rod Bracket	VT-3
Jet Pump Assemblies (20)	Beam Bolt Keeper and Tack Welds	VT-1
	Lock Plate, Flat Head Screws, and Tack Welds	VT-1
	Hold Down Beam	VT-3
	Beam Bolt Retainer	VT-3
	Rams Head and Inlet Suction Area	VT-3
	Riser Brace Attachments to Vessel Pad (RB-1 on Primary and Secondary Riser Braces)	VT-1
	Riser Brace Leaf to Yoke Welds (RB-2 on Primary and Secondary Riser Braces)	VT-1
	Riser Brace to Riser Welds (RS-8 to RS-11 on Primary and Secondary Riser Braces)	VT-1



APPENDIX C

**Examination Scope (continued)**

<b>Component</b>	<b>Scope of Work</b>	<b>Inspection Technique</b>
	Inlet to Mixer Clamp Bolting (IN-5)	VT-3
	Wedge Assembly	VT-1
	Restrainer Bracket, Set Screws, and Welds, Including Gaps	VT-1
	Slip Joint	VT-1
Jet Pump Sensing Lines (20)	Sensing Line Attachment Welds to Brackets	VT-1
	Bracket to Diffuser Welds	VT-1
Core Spray Header Brackets (4)	Header Piping Brackets to Vessel Wall	VT-1
	Bracket Bolt Head Tack Welds	VT-1
	General Condition of Brackets	VT-3
Core Spray Headers (2) and Downcomers (4)	Clamp Assemblies on Tee Box Junctions	VT-1
	Flaw at 90° Tee Box for Crack Extension	EVT-1
	Welds P5, P6, P7, P8a, P8b on all 4 Downcomers, and P4a, P4b, P4c, P4d on "A" Downcomer (13°)	EVT-1
Core Spray Spargers (4)	Tee Box Cover Plate (S1), Sparger Branch Welds to Tee Box (S2), Sparger End Caps (S4)	EVT-1
	Mounting Brackets and End Brackets (SB)	VT-1
	Nozzle Welds (S3a, S3b)	EVT-1
	Spargers	VT-3
Feedwater Spargers (4)	Accessible Nozzle Bore and Inner Radius Areas (After Cleaning)	VT-1
	Sparger Welds	VT-1
	Nozzle Welds	VT-1
	Spargers	VT-3
	End Bracket Pins and Welds	VT-1
	End Bracket Welds	VT-1
	Bracket to Vessel Wall Welds	VT-3

APPENDIX C

**Examination Scope (continued)**

<b>Component</b>	<b>Scope of Work</b>	<b>Inspection Technique</b>
Surveillance Sample Holders (3)	Upper Mounting Bracket and Weld to Vessel	VT-1
	Lower Mounting Bracket and Weld to Vessel	VT-1
	Condition of Sample Holder	VT-3
Top Guide	Ring Bolts (80 Total)	VT-1
	Hold Down Latches	VT-1
	Rim Welds at 4 Locations Adjacent to Guide Blocks	EVT-1
	Guide Blocks and Aligner Pins	VT-3
Steam Dryer Support Brackets (4)	Bracket to Vessel Wall Welds	VT-3
	Condition of Dryer Seating Surface	VT-1
Core Shroud and Shroud Support Plate	Core Plate Support Ring at 65°, 185°, and 305°	EVT-1
	H8 and H9 Welds at Manway Cover Areas	EVT-1
	Access Hole Cover Plate Welds at 0° and 180°	VT-1
	Shroud Support Legs (14)	VT-3
Steam Dryer Hold Down Brackets (4)	Attachment Welds to RPV Head	VT-3
	Bracket Seating Surface	VT-3
	General Condition of Hold Down Bracket	VT-3
Secondary Jet Pump Riser Brace Pads (4)	Pre-Sampling Inspection of Pad	EVT-1
	Post-Sampling Inspection of Pad	EVT-1
Vessel Cladding	Cladding Adjacent to RPV Attachments to be Inspected	VT-3
Annulus Measurements	Various measurements and Video Footage to Support Core Spray Pipe Replacement and Jet Pump Plug Fabrication	N/A

**APPENDIX C**

**Examination Scope (continued)**

<b>Component</b>	<b>Scope of Work</b>	<b>Inspection Technique</b>
Steam Dryer	Accessible Surfaces of the Dryer From OD Looking for Obvious Degradation	VT-3
	Dryer Jacking Bolts	VT-1
Core Shroud and Shroud Support Plate	Core Plate Support Ring at 65°, 185°, and 305°	EVT-1
	H8 and H9 Welds at Manway Cover Areas	EVT-1
	Access Hole Cover Plate Welds at 0° and 180°	VT-1
	Shroud Support Legs (14)	VT-3
Steam Dryer Hold Down Brackets (4)	Attachment Welds to RPV Head	VT-3
	Bracket Seating Surface	VT-3
	General Condition of Hold Down Bracket	VT-3
Secondary Jet Pump Riser Brace Pads (4)	Pre-Sampling Inspection of Pad	EVT-1
	Post-Sampling Inspection of Pad	EVT-1
Vessel Cladding	Cladding Adjacent to RPV Attachments to be Inspected	VT-3
Steam Separator	Accessible surfaces of Separator From OD Looking for Obvious Degradation, Including 48 Shroud Head Bolts.	VT-3
N11A and N11B Nozzles	Areas Surrounding the N11A and N11B Nozzles Where Normal RPV Cladding Oxides have been Removed.	VT-1 and EVT-1

**APPENDIX C**

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**Examination Results**

The examinations performed during the 2000 RFO revealed the following new, previously unrecorded, relevant indications in the following reactor vessel internal components:

Note – Document identified in () is the document that assesses the associated indication and dispositions it them as “acceptable for continued service”.

- Crack indication in the #17 Jet pump beam bolt retainer tack weld. (CR20000209)
- Crack indication in the #10 jet pump vessel side restrainer set screw. (CR20000209)
- Crack indication in the 210° shroud support leg to shroud support cylinder weld. The majority of the indication appears to be contained within the weld material, with the lower tip extending into the shroud support leg base material. (CR20000209)
- Crack indication in the jet pump #19 secondary riser brace lower leaf to block weld. The indication appears to travel approximately 50% across the width of the leaf and is contained within the block material. It also appears to have propagated radially into the block to reactor vessel pad weld. (CR20000209)
- Evidence of minor steam impingement wear on the steam dryer head in the vicinity of all four main steam nozzles. The wear areas are approximately five inches wide and appear to have caused localized wall thickness reductions. (CR20000209)
- Evidence of steam flashing or some other phenomena associated with the N11A and N11B instrument nozzles. This phenomenon has removed the typical surface oxides from the area immediately surrounding the nozzles and for a substantial distance below the nozzles. An evaluation of these areas that included hydrolazing and enhanced visual examination found them to be free of indications that might be associated with thermal fatigue. (CR20000209)

The examinations performed also reconfirmed previously recorded and unrepaired relevant indications in the following reactor vessel internal components:

- Crack indication in the #14 jet pump beam bolt retainer tack weld. (CR19980794)
- Crack indication in the #19 jet pump beam bolt retainer tack weld. (CR19980794)
- Crack indication in the 325° steam dryer jacking bolt tack weld. (CR19980794)
- Crack indication in the #8 jet pump secondary riser brace lower leaf to vessel block weld. No apparent crack growth was observed. (SRI 89-028)

**APPENDIX C**

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**Examination Results (continued)**

Due to enhanced inspection and measurement techniques, evaluation of the previously recorded indications on the following components has changed since the 1998 Refuel Outage:

- The crack indication previously reported in the #18 jet pump secondary riser brace upper leaf to yoke weld has been determined to be weld geometry. An RCS 600 color camera, along with auxiliary lighting was used to reinspect the previously recorded indication during 2000 Refuel Outage. This technique clearly showed the indication to be the juncture of two weld passes.

The crack indication in the 90° core spray tee box to header weld was estimated to be five inches in length during the 1998 Refuel Outage. Image overlaying techniques along with pixel counting software were used to measure the indication during the 2000 Refuel Outage. These more reliable methods of measurement found the indication to be 2.25 inches in length.

**APPENDIX D**

**LIST OF SNUBBER INSERVICE TESTING**

**2000-RFO, Snubber Functional Test Results**

The following table contains As-Left test results for spare snubbers that were installed in ASME Section XI pipe supports.

<b>Installed Location</b>	<b>Date Installed</b>	<b>Size (kips)</b>	<b>Serial #</b>	<b>Date Tested</b>	<b>Test Results</b>
SS-707	11-16-98	3	458	2-6-98	Pass
SS-707	10-25-99	3	2A	10-21-99	Pass
CRD-H227	1-24-00	20	99	1-24-00	Pass
CRD-H232	1-24-00	20	214	2-13-98	Pass
PS1-H2	1-20-00	30	52	12-8-99	Pass
PS1-H3	1-25-00	30	192	12-10-99	Pass
PS2-H2	1-26-00	30	516	12-10-99	Pass
SS-5AR	1-25-00	30	519	12-9-99	Pass
SS-5BR	1-25-00	30	520	12-10-99	Pass
SS-6AR	1-9-00	20	464	12-9-99	Pass
SS-36A	1-23-00	10	509	12-7-99	Pass
SS-36B	1-23-00	10	508	12-7-99	Pass
SS-560	1-29-00	10	486	12-8-99	Pass
SS-707	1-21-00	3	3A	12-6-99	Pass

**APPENDIX D**

**2000-RFO, Snubber Functional Test Results (continued)**

The following table contains As-Found test results for snubbers removed from ASME Section XI pipe supports.

<b>Installed Location</b>	<b>Date Removed</b>	<b>Size (kips)</b>	<b>Serial #</b>	<b>Date Tested</b>	<b>Test Results</b>
SS-707	11-16-98	3	3A	10-21-99	Pass
SS-707	10-25-99	3	458	10-29-99	Fail*
CRD-H227	1-24-00	20	128	1-25-00	Pass
CRD-H232	1-23-00	20	103	1-25-00	Pass
PS1-H2	1-20-00	30	142	1-27-00	Pass
PS1-H3	1-25-00	30	471	1-27-00	Pass
PS2-H2	1-26-00	30	472	1-27-00	Pass
SS-5AR	1-25-00	30	196	1-27-00	Pass
SS-5BR	1-25-00	30	137	1-27-00	Pass
SS-6AR	1-9-00	20	99	1-9-00	Fail**
SS-36A	1-23-00	10	526	1-24-00	Pass
SS-36B	1-23-00	10	527	1-24-00	Pass
SS-560	1-29-00	10	36	1-31-00	Pass
SS-707	1-21-00	3	2A	1-24-00	Pass

\* Support SS-707 is a recognized severe service location requiring frequent snubber change-out. Since change-out and testing is outside the functional testing program, an additional 10% functional test sample is not required. Degraded snubber functionality had no affect on system operability. Ref. Condition Report 19993255.

\*\* Since functional testing was performed under the visual inspection program following identification of a discrepancy, the additional testing requirements of the functional testing program do not apply. Analysis revealed that the degraded snubber functionality had no affect on system operability. Ref. Condition Report 20000111.