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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.

Shirey for Byron D. Day Byron D. Day

Plant Manager Monticello Nuclear Generating Plant

RGIN-001

5/30/00 SIS \\Walleye\TEAM\LICENSE\Topicals\I.S.I\RFO 20 ISI Sum Rpt.doc

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

 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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APPENDICESPAGESA.Interval 3, Period 3 Inspections Listed by Code Class / ISO14B.Section XI VT-2 Examinations1C.Reactor Vessel IVVI Examinations6D.Snubber Inservice Testing2

Prepared By: Inspection Supervisor - Richard Deopere

Reviewed By: ISI Program Engineer. - Daniel Whitcomb

Approved By rintendent M&SP - Jeff Ricker

Report Date: MAY 12, 2000

Page 1 of 2

I. Summary

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.

Page 2 of 2

I. Summary

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

- Owner:
 Northern States Power Company

 Address:
 414 Nicollet Mall; Minneapolis, MN 55401
- 2. Plant: <u>Monticello Nuclear Generating Plant</u> Address: <u>Monticello, MN 55362</u>
- 5. Commercial Service Date: <u>6/30/71</u> 6. National Board No. for Unit: <u>N/A</u>
- 7. Components Inspected:

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

ASME (See appendices for components inspected this outage)

- 8. Examination Dates: <u>04/26/98</u> to <u>02/28/00</u>.
- 9. Inspection Interval: <u>06/01/92</u> to <u>05/31/02</u>.
- 10. Applicable Edition of Section XI: <u>1986</u> Addenda: <u>(none)</u>.
- 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)

Page 2 of 2

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 Nonthenni STATES Power Daniel & Whitemb Owner IST Encineer

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 <u>Minnessel q</u> and employed by <u> $|4 \leq 3 \pm 2 \pm 2 \otimes 5$ </u> of <u> $|-|\infty| 2 \pm 3 \pm 2 \oplus 5 \otimes 5$ </u> have inspected the components described in this Owner's Report during the period <u> $|-(p-2)\otimes 6 \otimes 5$ </u> to <u> $2-2 \oplus 5 - 2 \otimes 5 \otimes 5$ </u> 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.

C012

Inspector's Signature

Commissions MNIは4つ

National Board, State, Province, Endorsements

Date May 23 2000

III. NIS-2 Information

Page 1 of 64

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

SHEET #	<u>SYSTEM</u>	WO, MOD, PM	DESCRIPTION
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

Northern States Power Inservice Inspection

III. NIS-2 Information (continued)

Page 2 of 64

<u>SHEET #</u>	<u>SYSTEM</u>	WO, MOD, PM	DESCRIPTION
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 RHRSW pump bowls 1, 2, 3, 5, 6, 7, & discharge case

Form NIS-2, 1 of 27

MONTICE	LLO NUCLEA	R GENERAT	ING PLAN	T		3613		
TITLE:	OWN	IER'S REPO	ORT FOR	REPAIRS	OR	Revisio	on 2	
	R	EPLACEM	ENTS - F	ORM NIS-2	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,								
						ded at the top of		
1. Owner								
2. Plant	Monticello Nuc	Name clear Generatin	ig Plant	Sheet 1		of		
2807 W	/. Hwy. 75, Mor Ad	Name Iticello, Minnes dress	ota 55362	Design c Repair (9Q <i>190.</i> tion P.O. No., Je	ob No.	etc.
3. Work Pe	rformed By _N	SP		Type Cod	e Symbo	ol Stamp <u>NA</u>		
Montice	— ello, MN 55362	Company	Name	Authoriza Expiratior				
	-	dress						
4. Identifica	ation of System	HPCI Syster	n					<u> </u>
5. (a) Applic	able Construct	on Code <u>AN</u>	SI B 31.1		į. 	1977	E(dition
Adde	nda <u>Winter 1</u>	978		Code	Case _	Year NA		
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement	1986		
6. Identifica	ation of Compor	nents Repaired	or Replace	d and Replace	ement Co	omponents		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	Co	ME ode nped NO
HPCI-65	Circle Seal	-	-	224S-16PP	1978	Replaced		
HPCI-65	BNL	_		-	1999	Replacement		
HPCI-71	Circle Seal	-		224S-16PP	1978	Replaced		\square
HPCI-71	BNL	-	-	-	1999	Replacement		
7. Descripti	on of Work R	eplaced HPCI	steam exha	ust vacuum br	reakers v	ralves.		
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure								
Other Pressure <u>188</u> psi Test Temp <u>Ambt</u> °F								
· · · · · · · · · · · · · · · · · · ·	ENT CHANGE, HO		ENT FORM) in	corporated:				
FOR ADMIN USE C	B 11 B 8	sp Supv: MATE MS: 3613	Asso Doc Typ	c Ref: MATE e: REF ONLY	Admin i	SR: N Free hitials: Dat		yrs

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		Form NIS-2, 1 of 2
MONTICELL	O NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-2	Page 2 of 2
9. Remarks	(Applicable Manufacturer's Data Reports to be Attach	ned)
,		
	CERTIFICATE OF COMPLIANCE	
		<u>CEMENT</u> pair/replacement
Signed	When or Owner's Designee, Title March Frace Encor	· Z - , 2000
	CERTIFICATE OF INSERVICE INSPECTION	
Inspectors HSBJ2 inspected th 28 03LD IN examination	signed, holding a valid commission issued by the National Board of Bo and the State or Province of <u>MINNESOTA</u> of <u>HART FOR</u> e components described in this Owner's Report during the period <u>3</u> <u>TERVAL</u> and state that to the best of my knowledge and belief, t s and taken corrective measures described in this Owner's Report s of the ASME Code, Section XI.	and employed by <u>coNN</u> have <u>kD(4-26-98)</u> to the Owner has performed
concerning t the Inspecto	his certificate neither the Inspector nor his employer makes any warran he examinations and corrective measure described in the Owner's Rep r nor his employer SHALL be liable in any manner for any personal inju- r kind arising from or connected with this inspection.	oort. Furthermore, neither
Ann	<u>Anch 3</u> Commissions <u>MN 174-9</u> National Board, Prov	7 9 rince and Endorsements
Date _/	Yanch 3 . 2000	
		· · · · · · · · · · · · · · · · · · ·

Form NIS-2, 2 of 27

MONTICEL	LO NUCLEA	R GENERATI	ING PLAN	T		3613		
TITLE:		IER'S REPO			OR	Revisio	on 2	
		EPLACEM				Page 1	1 of 2	
р	<u>NOTE 1:</u> 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.							
8	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							
2. Plant	Monticello Nuc	Name clear Generatin Name	g Plant	Sheet 1		of		
2807 W	. Hwy. 75, Mon		ota 55362	4280-3P	М			
		dress				tion P.O. No., J	ob No.	etc.
3. Work Pe	rformed By N	SP		Type Cod	e Symbo	Stamp NA		
	,	Company	Name	Authoriza	•			
Montice	llo, MN 55362			. Expiration	Date _	NA		
	Ad	dress						
4. Identifica	tion of System	Main Steam	Safety / Rel	lief Valve.				
5. (a) Applic	able Constructi	on Code AN	SI B 31.1		_	1967	E	dition
					· · · · ·	Year	`	
Adder	nda <u>NA</u>			Code	Case _			
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement _	1986		
6. Identifica	tion of Compor	nents Repaired	or Replace	d and Replace	ement Co	omponents		
								ME
Nome -f	Nome	Manufactura	Notional	Other	Voor	Repaired, Replaced or		nde nped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replacement	YES	NO
Main Steam SV/RV	Target Rock	122	-	NV/122	1973	Repaired		
MSV/RV	Target Rock	170	-	NV/170	1989	Repaired		
MSV/RV	Target Rock	243	-	NV/243	1989	Repaired		
	•							
7. Description of Work Seal weld bellows to SRV topworks body.								
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure								
Other ⊠ Pressure <u>1109</u> psi Test ⊺emp <u>550</u> °F								
3087 (DOCUM	ENT CHANGE, HO		ENT FORM) in	corporated:				
FOR ADMINISTRATIVE Resp Supv: MATE Assoc Ref: MATE SR: N Freq: 0 yrs USE ONLY ARMS: 3613 Doc Type: REF ONLY Admin initials: Date:								
UBEU		MS: 3613		e: REF ONLY	Admin i	nitials: Dat	e:	
APPROVED (Signatures available in Master File)								

AFFROVED (Signatures available in Waster гие)

Form NIS-2, 2 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-2	Page 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be Attached) GE Spec. No. 21A9206. Tested under vessel hvdro 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 Owner or Owner's Designee, Title MAL SUPT, MATLS/PROG ENGR. Sianed 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 <u>MINNESOTA</u> and employed by <u>H5B1 & INS. CO.</u> of <u>HARTFORD</u> CONN. have inspected the components described in this Owner's Report during the period <u>3RD (4-26-78)</u> have 29 03RP INTERVALand 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. Inspector's Signature Commissions MN 174.99 National Board, Province and Endorsements Date March 3, 2000

Form NIS-2, 3 of 27

MONTICEL	LO NUCLEA	R GENERATI	NG PLAN	Г		ľ	3613		
TITLE:		ER'S REPO			OR		Revisio	on 2	
		EPLACEM				ŀ	Page 1	of 2	
p	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.								
8.	upplemental sh -1/2 in x 11 in, (2 nd (3) each she	2) information in	n items 1 thr	ough 6 on this	report i	s include	d on ea	ch she	et,
1. Owner	Northern State		-	Date 2	/28/2000)			
2. Plant	Monticello Nuc	Name lear Generatin Name	g Plant	Sheet 1			of _2	····· ·	
2807 W	. Hwy. 75, Mon		ota 55362	WO NO.	990429	6			
<u> </u>		dress		Repair (Drganiza	ation P.C	. No., J	ob No.	etc.
3. Work Per	formed By N	SP		Type Cod	e Symbo	ol Stamp	NA		
		Company I	Name	Authorizat					
Montice	<u>llo, MN 55362</u>	dress		Expiration	Date _	NA			
4. Identifica	tion of System	Main Steam	Safety / Rel	iet Valve.					
5. (a) Applica	able Constructi	on Code <u>AN</u>	SI B 31.1	<u></u>		<u>1967</u> Y	ear	E¢	dition
Adden	ida <u>NA</u>			Code	Case _	NA			
(b) Applica	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement _	1986			
6. Identifica	tion of Compor	ents Repaired	or Replace	d and Replace	ement C	ompone	nts		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repla	aired, iced or cement	Co	ME ode nped NO
Main Steam	Target Rock	196	-	NV/196	1989		aired		
SV/RV MSV/RV	Target Rock	170		NV/170	1989	Rep	aired		
MSV/RV	Target Rock	208	-	NV/208	1989	Rep	aired	\bowtie	
MSV/RV	Target Rock	169		NV/169	1989	Rep	aired		
MSV/RV	Target Rock	194	-	NV/194	1989	Rep	aired	\boxtimes	
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:									
FOR ADMINISTRATIVE Resp Supv: MATE Assoc Ref: MATE SR: N Freq: 0 yrs									
USEU		MS: 3613		e: REF ONLY	Admin	initials:	Dat	(e:	

Form NIS-2, 3 of 27

MONTIC	3613	
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-2	Page 2 of 2

9. Rem	arks	(Applicable	Manufacturer's	Data Reports	to be Attached)
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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 <u>REPAIR</u> conforms to the rules on the ASME Code, Section XI. repair/replacement
Signed <u>Certit Khn. 5r. Specially Engine</u> Date <u>2-29-</u> , 2000 Owner or Owner's Designee, Title M. 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 <u>MINNESOTA</u> and employed by <u>HSBIE INS. CO.</u> of <u>HARTFORP</u> <u>CONN</u> have inspected the components described in this Owner's Report during the period <u>3RD(4-26-98)</u> to 238 <u>OBRD</u> , <u>INTERVAL</u> 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.
Annood Collen Commissions MN 174.99 Inspector's Signature National Board, Province and Endorsements
Date <u>Murch 3</u> , <u>2000</u>

Form NIS-2, 4 of 27

MONTICE	LO NUCLEA	R GENERAT	ING PLAN	T		3	613		
TITLE:	<u> </u>	IER'S REPO			OR		Revisio	on 2	
		EPLACEM				F	age 1	1 of 2	
F	This form may n program, see 4 A urther guidance	WI-09.04.03 (A							
	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	r Northern States Power Co. Date <u>2/28/2000</u> Name								
2. Plant	Monticello Nuc	Sheet 1			of _2				
2807 W	/. Hwy. 75, Mor	Name iticello, Minnes	ota 55362	WO NO.	:4280-3P	M			
		dress		Repair	Organiza	tion P.O.	No., J	ob No.	etc.
3. Work Pe	rformed By N	SP		Type Cod	e Symbo	I Stamp	NA		
		Company I	Name	Authoriza					
Montice	ello, MN 55362	drago	<u></u>	Expiration	Date	NA			
		dress							
4. Identifica	ation of System	Main Steam	Safety / Rei	lief Valve.					
5. (a) Applic	able Constructi	on Code AN	SI B 31.1		,	1967		E	dition
Adde			<u></u>	Code		Yea	r		
				<u></u>					
	able Edition of						ā		,
6. Identifica	ation of Compor	nents Repaired	or Replace	d and Replace	ement Co	mponent	s		
		······································		•					ME
Name of	Name of	Manufacturer	National	Other	Year	Repair Replace			nped
Component	Manufacturer	Serial No.	Board No.	Identification	Built	Replace		YES	NO
Main Steam SV/RV	Target Rock	122	-	NV/122	1973	Repai	red	\boxtimes	
MSV/RV	Target Rock	170	~ .	NV/170	1989	Repai	red	\boxtimes	
MSV/RV	Target Rock	53	-	NV/53	1989	Repai	red	\boxtimes	
MSV/RV	Target Rock	243	-	NV/243	1989	Repai	red	\boxtimes	
7 Descripti	ion of Work W	eld repair of g		nt in tonworks	flance	A		L <u></u>	L
•		~							
8. Tests Co	•	drostatic	Pneur			al Operati	•		
	Other Pressure <u>1109</u> psi Test Temp <u>550</u> °F								
3087 (DOCUM	ENT CHANGE, HO		ENT FORM) in	corporated:					
FOR ADMIN	STRATIVE Re	sp Supv: MATE		c Ref: MATE		SR: N	Fre	q: 0	yrs
USE C		MS: 3613	Doc Typ	e: REF ONLY	Admin ir	itials:	Dat	e:	
		•		,					
APPROV	ED (Signatu	ıres availat	ple in Ma	ster File)					

Form NIS-2, 4 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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 REPAIR We certify that the statements made in the report are correct and this repair/replacement conforms to the rules on the ASME Code. Section XI. Why Sr. Specialty Engineer Date 2-29-, 2000 Owner or Owner's Designee, Title SUT MATLS/PROF Fright Signed 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 <u>MINNESOTA</u> and employed by <u>HSBIE INS. CO.</u> of <u>HARTFOR</u> CONN have inspected the components described in this Owner's Report during the period <u>3RD (4-26-98)</u> to have 238-03 RP. INTERVALand 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. Inspector's Signature Commissions MN 174.99 National Board, Province and Endorsements Date March 3, 2000

Form NIS-2, 5 of 27

MONTICEL	LO NUCLEA	R GENERATI	NG PLAN	T		3613				
TITLE:	LE: OWNER'S REPORT FOR REPAIRS OR						on 2			
	REPLACEMENTS - FORM NIS-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	Owner Northern States Power Co. Date 2/28/2000									
2. Plant	Monticello Nuc	lear Generatin	g Plant	Sheet 1		of				
2807 \\	. Hwy. 75, Mon	Name ficello Minnes	ota 55362	WO NO.:	4280-3F	2M				
2007 11		dress				tion P.O. No., J	ob No.	etc.		
3. Work Pe	rformed By <u>N</u>			Type Cod Authorizat	•	I Stamp <u>NA</u>				
Montice	ello, MN 55362	Company I	vame	Expiration		NA				
	<u> </u>	dress		· ·						
4. Identifica	ation of System	Main Steam	Safety / Rel	lief Valve.						
E (a) Applic	abla Constructi	on Codo AN				1967	F	dition		
	able Constructi		51.0 51.1	0	· · ·	Year	Ľ`			
Adder					Case _					
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement _	1986		-		
6. Identifica	ation of Compor	ents Repaired	or Replace	d and Replace	ement Co	omponents				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	Co	ME ode nped NO		
Main Steam SV/RV	Target Rock	196	-	NV/196	1989	Repaired	\boxtimes			
MSV/RV	Target Rock	208		NV/208	1989	Repaired	\boxtimes			
MSV/RV	Target Rock	6	-	NV/6	1967	Repaired	\boxtimes			
MSV/RV	Target Rock	169	-	NV/169	1989	Repaired	\boxtimes			
7. Descripti	on of Work R	eplace Pilot As	sembly-to-N	Main stage flar	nge boltir	ng.				
8. Tests Co	nducted: Hy	drostatic	Pneur	natic 🗍	Nomin	al Operating Pr	essure			
	Other Pressure psi Test Temp °F									
3087 (DOCUM	ENT CHANGE, HO		ENT FORM) in	corporated:						
FOR ADMIN	STRATIVE Re	sp Supv: MATE	Asso	c Ref: MATE		SR: N Fre		yrs		
USE C		MS: 36 <u>1</u> 3		e: REF ONLY	Admini	nitials: Dat	e:			
	ADDDOVED (Simplifying evaluable in Manter File)									

Form NIS-2, 5 of 27

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MONTICELLO NUCLEAR GENERATING PLANT3613TITLE:OWNER'S REPORT FOR REPAIRS OR
REPLACEMENTS - FORM NIS-2Revision 2Page 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 <u>REPLACE MENT</u> conforms to the rules on the ASME Code, Section XI. repair/replacement
Signed <u>Labt (Cho Sr. Speciality Engine</u> apate <u>2-29</u> , <u>2000</u> Owner of Owner's Designee, Title MM 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 <u>MINNESOTA</u> and employed by <u>hcBL</u> iNS. <u>Co</u> . of <u>HARTFORD</u> <u>CONN</u> . have inspected the components described in this Owner's Report during the period <u>3RD(4-26-96</u>) to 23003RD <u>INTERVAL</u> 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.
Inspector's Signature Commissions MN 174.99 National Board, Province and Endorsements
Date March 3, 2000

Form NIS-2, 6 of 27

						·	<u> </u>	
MONTICELLO NUCLEAF					3613 Revisi	00 0		
	OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2							
						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								
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		•	Date 2	/28/2000				
2. Plant Monticello Nucl		ig Plant	Sheet 1		of _2			
2807 W. Hwy. 75, Mont	Name icello, Minnes	ota 55362	WO NO	4280-3P	M			
	dress				tion P.O. No., J	ob No. e	etc.	
3. Work Performed By NS	SP			-	I Stamp NA			
	Company	Name	Authorizat	-				
Monticello, MN 55362			Expiration	Date _	NA			
Add	dress							
4. Identification of System	Main Steam	Safety / Rel	ief Valve.		. <u> </u>	<u></u>		
5. (a) Applicable Construction	on Code <u>AN</u>	SI B 31.1		,	<u>1967</u> Year	Edi	ition	
Addenda <u>NA</u>			Code	Case _			<u></u>	
(b) Applicable Edition of S	Section XI Utili	zed for Rep	airs or Replac	ement	1986			
6. Identification of Component	ents Repaired	or Replace	d and Replace	ement Co	omponents			
Name of Name of Component Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASM Coc Stam	de	
Main Steam Target Rock	5		NV/5	1967	Repaired			
SV/RV Parget / took								
7. Description of Work Aa	ld weld metal	to bellows n	ounting pede	stal & we	ld bellows topu	ork bod	ly	
8. Tests Conducted: Hyd	brostatic	Pneur	natic 🗌	Nomina	al Operating Pr	essure		
Oth		Pressure		psi	Test Temp		°F	
·					····	<u></u>	1	
			corporated:		·			
D87 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated:								

Form NIS-2, 6 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-2	Page 2 of 2

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

GE specification No. 21A1060.

CERTIFICATE OF COM	<i>I</i> PLIANCE
We certify that the statements made in the report are correct conforms to the rules on the ASME Code, Section XI.	and this <u>REPAIR</u> repair/replacement
Signed <u>Kalt Ichoba</u> Sr. Speinlity & Owner or Owner's Designee, Title MMC SUPT, MATLS H	Egine 2-29-, 2000 Reck ENGR.
, ,,	
CERTIFICATE OF INSERVIC	CE INSPECTION
I, the undersigned, holding a valid commission issued by the Inspectors and the State or Province of <u>MINA</u> <u>HSBLEINS.CO.</u> of inspected the components described in this Owner's Repor 2010 <u>INTERVAL</u> and state that to the best of my kexaminations and taken corrective measures described in requirements of the ASME Code, Section XI.	ARTFORD, CONN have HARTFORD, CONN have t during the period <u>3RD(4-26-98)</u> to cnowledge and belief, the Owner has performed
By signing this certificate neither the Inspector nor his emplored concerning the examinations and corrective measure described the Inspector nor his employer SHALL be liable in any manner a loss of any kind arising from or connected with this inspective.	bed in the Owner's Report. Furthermore, neither her for any personal injury of property damage or
<u>Amuro Clilla</u> Commissions	MN 174.99 National Board Province and Endorsements
 inspected the components described in this Owner's Report <u>OBRD INTERVAL</u> and state that to the best of my hexaminations and taken corrective measures described in requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employed concerning the examinations and corrective measure described the Inspector nor his employer SHALL be liable in any manna a loss of any kind arising from or connected with this inspection. 	t during the period <u>3RD (4-26-96</u>) to knowledge and belief, the Owner has performed in this Owner's Report in accordance with the over makes any warranty, expressed or implied, bed in the Owner's Report. Furthermore, neither her for any personal injury of property damage or on.

, 2000

Date March 3

Form NIS-2, 7 c)f	27
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MONTICEL	LO NUCLEA	R GENERAT	ING PLAN	Т		36	13	
TITLE:	OWN	IER'S REPO	ORT FOR	REPAIRS	OR	Re	vision 2)
	R	EPLACEM	ENTS - F	ORM NIS-2		Pa	ge 1 of 3	
p	his form may n rogram, see 4 A urther guidance	WI-09.04.03 (A						•
8	Supplemental sh -1/2 in x 11 in, (x .nd (3) each she	2) information is	n items 1 thr	rough 6 on this	report is	included o	n each she	et,
1. Owner	Northern State			Date 2	/28/2000	 	·····	
2. Plant	Name 2. Plant Monticello Nuclear Generating Plant					of	3	
2. Flam		Name	ig i lant	Sheet <u>1</u>			<u> </u>	
2807 W	. Hwy. 75, Mor		ota 55362	WO NO.	:4280-3F	РМ		
	Ad	ldress		Repair (Organiza	tion P.O. No	o., Job No	etc.
3. Work Pe	rformed By N	ISP		Type Cod	e Svmbo	l Stamp N	IA	
		Company I	Name	Authoriza	-	NA		
Montice	llo, MN 55362		н 11	Expiration	Date	NA		
	Ad	dress						
4. Identifica	tion of System	Main Steam	Safety / Rel	lief Valve.		·		
5. (a) Applic	able Construct	ion Code <u>AN</u>	SI B 31.1		<u> </u>	1967	E	dition
		ion Code <u>AN</u>	SI B 31.1	Code	, Case	Year	E	dition
Adder	nda <u>NA</u>				_	Year NA	E	dition
Adder					_	Year NA	E	dition
Adder (b) Applic	nda <u>NA</u>	Section XI Utili	zed for Rep	airs or Replac	ement _	Year NA 1986	E	dition
Adder (b) Applic	nda <u>NA</u> able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement _	Year NA 1986		
Adder (b) Applic	nda <u>NA</u> able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement _	NA 1986 pmponents Repaired	d, Co	ME ode
Adder (b) Applic 6. Identifica Name of	nda <u>NA</u> able Edition of ation of Compor	Section XI Utili nents Repaired Manufacturer	zed for Rep or Replace National	airs or Replac d and Replace Other	ement _ ement Co Year	NA 1986 omponents Repaired Replaced	d, AS or Star	ME ode nped
Adder (b) Applic 6. Identifica Name of Component	nda <u>NA</u> able Edition of ation of Compor Name of Manufacturer	Section XI Utili nents Repaired Manufacturer Serial No.	zed for Rep or Replace	airs or Replac d and Replace Other Identification	ement _ ement Co Year Built	NA 1986 omponents Replaced Replacem	d, AS or Star ent YES	ME ode
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Adder (b) Applic 6. Identifica Name of Component Main Steam	nda <u>NA</u> able Edition of ation of Compor Name of Manufacturer	Section XI Utili nents Repaired Manufacturer Serial No.	zed for Rep or Replace National	airs or Replac d and Replace Other Identification	ement _ ement Co Year Built	NA 1986 omponents Replaced Replacem	d, AS or Star ent YES	ME ode nped NO
Adder (b) Applic 6. Identifica Name of Component Main Steam	nda <u>NA</u> able Edition of ation of Compor Name of Manufacturer	Section XI Utili nents Repaired Manufacturer Serial No.	zed for Rep or Replace National	airs or Replac d and Replace Other Identification	ement _ ement Co Year Built	NA 1986 omponents Replaced Replacem	d, Co or Star ent YES d ⊠	ME ode nped NO
Adder (b) Applic 6. Identifica Name of Component Main Steam	nda <u>NA</u> able Edition of ation of Compor Name of Manufacturer	Section XI Utili nents Repaired Manufacturer Serial No.	zed for Rep or Replace National	airs or Replac d and Replace Other Identification	ement _ ement Co Year Built	NA 1986 omponents Replaced Replacem	d, AS or Star ent YES d 🛛	ME pde nped NO
Adder (b) Applic 6. Identifica Name of Component Main Steam	nda <u>NA</u> able Edition of ation of Compor Name of Manufacturer	Section XI Utili nents Repaired Manufacturer Serial No.	zed for Rep or Replace National	airs or Replac d and Replace Other Identification	ement _ ement Co Year Built	NA 1986 omponents Replaced Replacem	d, AS or Star ent YES d 🗌	ME pde nped NO
Adder (b) Applic 6. Identifica Name of Component Main Steam SV/RV	nda <u>NA</u> able Edition of ation of Compor Name of <u>Manufacturer</u> <i>Target Rock</i>	Section XI Utili nents Repaired Manufacturer Serial No.	zed for Rep or Replace National Board No. -	airs or Replac d and Replace Other Identification	ement _ ement Co Year Built	NA 1986 omponents Replaced Replacem	d, AS Co or Star ent YES d 🛛	ME pde nped NO
Adder (b) Applic 6. Identifica Name of Component Main Steam SV/RV	nda <u>NA</u> able Edition of ation of Compor Name of <u>Manufacturer</u> <i>Target Rock</i> on of Work <u>S</u>	Section XI Utili nents Repaired Manufacturer Serial No. 4	zed for Rep or Replace National Board No. -	airs or Replace d and Replace Other Identification NV/4	ement ement Co Year Built 1967	NA 1986 omponents Replaced Replacem	d, Cc or Star ent YES d 🛛	ME pde nped
Adder (b) Applic 6. Identifica Name of Component Main Steam SV/RV 7. Descripti	nda <u>NA</u> able Edition of ation of Compor Name of <u>Manufacturer</u> <i>Target Rock</i> on of Work <u>S</u> onducted: Hy	Section XI Utili nents Repaired Manufacturer Serial No. 4 ee page 3 for l	zed for Rep or Replace National Board No. -	airs or Replace d and Replace Other Identification NV/4	ement ement Co Year Built 1967	Year NA 1986 mponents Replaced Replacem <i>Repaired</i>	d, AS Co or Star ent YES d 🛛	ME pde nped
Adder (b) Applic 6. Identifica Name of Component Main Steam SV/RV 7. Descripti 8. Tests Co	nda <u>NA</u> able Edition of ation of Compor Name of <u>Manufacturer</u> <i>Target Rock</i> on of Work <u>S</u> onducted: Hy	Section XI Utili nents Repaired Manufacturer Serial No. 4 4 ee page 3 for la rdrostatic her	zed for Rep or Replace National Board No. - - - ist of work. Pneur Pressure	airs or Replace d and Replace Other Identification <i>NV/4</i> natic [] <u>1109</u>	ement ement Co Year Built 1967	Year NA 1986 mponents Replaced Replacem <i>Repaired</i> al Operating	d, AS Co or Star ent YES d 🛛	ME pde NO
Adder (b) Applic 6. Identifica Name of Component Main Steam SV/RV 7. Descripti 8. Tests Co	nda <u>NA</u> able Edition of ation of Compor Name of <u>Manufacturer</u> <i>Target Rock</i> on of Work <u>S</u> onducted: Hy Ot ENT CHANGE, HO	Section XI Utili nents Repaired Manufacturer Serial No. 4 4 ee page 3 for la rdrostatic her	zed for Rep or Replace National Board No. - - ist of work. Pneur Pressure	airs or Replace d and Replace Other Identification <i>NV/4</i> natic	ement ement Co Year Built 1967 Nomin psi	NA 1986 omponents Replaced Replacements Repl	d, AS Co or Star ent YES d 🛛	ME pde NO

Form NIS-2, 7 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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 CC	MPLIANCE
We certify that the statements made in the report are correc conforms to the rules on the ASME Code, Section XI.	and this <u>REPAIR</u> repair/replacement
Signed <u>Lotit Ichr, Sr. Speially Erej</u> Owner or Owner's Designee, Title Mhl EUH MATLS	near Date <u>2-29</u> , 2000 PROGENGR
CERTIFICATE OF INSERVI	CE INSPECTION
I, the undersigned, holding a valid commission issued by the Inspectors and the State or Province of <u>MIN</u> <u>HSBIENDS</u> of inspected the components described in this Owner's Repo <u>SCORD</u> <u>INTERVAL</u> , and state that to the best of my examinations and taken corrective measures described requirements of the ASME Code, Section XI.	ARTFORD and employed by <u>HARTFORD</u> CONN have rt during the period <u>320(4-26-95)</u> to knowledge and belief, the Owner has performed
By signing this certificate neither the Inspector nor his emp concerning the examinations and corrective measure descr the Inspector nor his employer SHALL be liable in any man a loss of any kind arising from or connected with this inspect	bed in the Owner's Report. Furthermore, neither ner for any personal injury of property damage or
Amwood Elille Commissions	
Date March 3, 2000	National Board, Province and Endorsements

Form NIS-2, 7 of 27

::::-

1.	Owner	Northern States Power Co.	Date	2/28/2000		
2.	Plant	Name Monticello Nuclear Generating P	lant Sheet	3	of	
	2807 V	Name V. Hwy. 75, Monticello, Minnesota Address		o: 4280-3PM ir Organization F	P.O. No., Job No	o. etc.
3.		erformed By <u>NSP</u> Company Nan ello, MN 55362	ne Authori	ode Symbol Sta zation No. <u>NA</u> ion Date NA		
		Address				
4.	Identific	ation of System <u>Main Steam Saf</u>	ety /Relief Valve			
5.	(a) Appli	cable Construction Code ANSI B	31.1	,,)7 I Year	Edition
	Adde	enda NA	Co	de Case <u>NA</u>		
	(b) Appli	cable Edition of Section XI Utilized	for Repairs or Rep	acement 198	6	\$
6.	Identific	ation of Components Repaired or	Replaced and Repl	acement Compo	nents	

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	
Main Steam SV/RV	Target Rock	4	-	NV/4	1967	Repaired	\boxtimes	

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.

							rm NIS-2	<u>8 q</u> f
MONTICEL	LO NUCLEAR					3613		
TITLE:		ER'S REPO			DR	Revi	ision 2	
		PLACEME				Page	e1of3	
pr fu	nis form may no ogram, see 4 Al rther guidance.	NI-09.04.03 (AS	ME SECTIO	N XI REPAIR/R	EPLACE	MENT PROG	RAM) for	
0	upplemental she 1/2 in x 11 in, (2 nd (3) each shee	information in	items 1 thro	ough 6 on this i	report is i	included on	each snee	÷L,
1. Owner	Northern States	s Power Co. Name		Date 2/2	28/2000			
2. Plant	Monticello Nucl	ear Generating	g Plant	Sheet 1		of 🕻	<u>}</u>	
2807 W	. Hwy. 75, Mont	Name icello, Minnesc	ota 55362	WO NO.:	4280-3PI	И		
	Add	dress		Repair C	rganizat	ion P.O. No.	., Job No.	etc.
3. Work Per	formed By <u>N</u>					Stamp <u>NA</u>	4	
		Company N	lame	Authorizati Expiration	-			
Montice	IIo, MN 55362	dress		Expiration		<u></u>		
4 Identifica	tion of System		Safety / Reli	ef Valve.				
					_	1967	E	dition
5. (a) Applic	able Constructi	on code And				Year		
Adder					Case <u>/</u>			
(b) Applic	able Edition of	Section XI Utili	zed for Repa	airs or Replace	ement	1986		
6. Identifica	tion of Compor	ents Repaired	or Replace	d and Replace	ement Co	mponents		
					••••••••••••••••••••••••••••••••••••••			ME
		Manufacturor	Notional	Other	Year	Repaired Replaced	· ·	nped
Name of Component	Name of Manufacturer	Serial No.	Board No.	Identification	Built	Replaceme	ent YES	NO
Main Steam	Target Rock	195	-	NV/195	1967	Repaired	/ 🛛	
<u> </u>								
7. Descript	ion of Work S	ee page 3 for l	list of work.					
8. Tests Co	onducted: Hy	/drostatic	Pneur	matic 📋	Nomin	al Operating	g Pressure	e 🗌
0. 1000 00	-	ther	Pressure		psi	Test Tem	p <u>550</u>	°F
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	IENT CHANGE, H							
FOR ADMIN		esp Supv: MATE RMS: 3613	E Asso Doc Typ	De: REFONLY	Admin i	SR: N	Freq: 0 Date:	yrs
Provide the second s		100. 0010						

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APPROVED (Signatures available in Master File)

Form NIS-2, 8 of 27

MONTIC	3613	
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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 REPAIE conforms to the rules on the ASME Code, Section XI. repair/replacement									
	Signed <u>Colifich.</u> Sr. specially Engineer Date <u>2-29-</u> , 2000 Owner or Owner's Designee, Title Miller SUPT MATLS/PROG ENGR									
	CERTIFICATE OF INSERVICE INSPECTION									
28-0	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>MINNESOTA</u> and employed by <u>HSBL</u> <u>inspected</u> the components described in this Owner's Report during the period <u>3 RD (126-96)</u> to <u>O3RD</u> <u>internet</u> 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.									
	Inspector's Signature Commissions MN 174.99 National Board, Province and Endorsements									
	Date March 3, 2000									

Form NIS-2, 8 of 27

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1.	Owner	vner Northern States Power Co.				Date 2/28/2000				
	. –		Name	·		_				
2.	Plant	Monticello Nuc	clear Generatin	g Plant	Sheet	3	of <u>_</u> 3			
	-		Name							
	2807 W	. Hwy. 75, Mor	ticello, Minnes	ota 55362	WO No:					
		Ad	dress		Repair (Organizat	tion P.O. No., J	ob No.	etc.	
3.	Work Pe	rformed By N	'SP		Type Cod	e Symbo	Stamp NA			
			Company I	Name	Authorizal	tion No.	NA			
	Montice	llo, MN 55362			Expiration	Date I	NA	·····		
	<u></u>		dress							
		tion of System		<u>,</u>	ef Valve		1967	 F(dition	
0.	(a) / pp//0					³	Year			
	Adder	nda <u>NA</u>		••••••••••••••••••••••••••••••••••••••	Code	Case _/	NA			
	(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement	19 86		-	
6.	Identifica	tion of Compor	ents Repaired	or Replace	d and Replace	ement Co	omponents			
		1						AS	ME	
							Repaired,		de	
Ν	Name of	Name of	Manufacturer	National	Other	Year	Replaced or	1	nped	
	omponent	Manufacturer	Serial No.	Board No.	Identification	Built	Replacement	YES	NO	
	ain Steam SV/RV	Target Rock	195	_	NV/195	1967	Repaired	\boxtimes		
		1					I	1		

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.

Form NIS-2, 9 of 27

	LLO NUCLEA	R GENERATI	ING PLAN	Γ		3613		
TITLE:	OWNER'S REPORT FOR REPAIRS OR						on 2	
	REPLACEMENTS - FORM NIS-2					Page	1 of 2	
ې f	This form may no program, see 4 A urther guidance Supplemental sh	\WI-09.04.03 (A	SME SECTIO	ON XI REPAIR/	REPLACE	MENT PROGRA	AM) for	
	3-1/2 in x 11 in, (and (3) each she	2) information i	n items 1 thr	ough 6 on this	report is	included on ea	ch she	et,
1. Owner	Northern State			Date 2	/28/2000			
2. Plant	Monticello Nuc	Name clear Generatin Name	ig Plant	Sheet 1		of		
2807 W	/. Hwy. 75, Mon		ota 55362	WO NO	9905791			
		dress		Repair (Drganizat	tion P.O. No., J	ob No.	etc.
3. Work Pe	rformed By <u>N</u>	SP			-	I Stamp <u>NA</u>		
		Company I	Name	Authorizat				
Montice	ello, MN 55362 Ad	dress		. Expiration		VA		
4. Identifica	ation of System		Safety / Rel	lief Valve.main	RV-2-71	'G		<u> </u>
5. (a) Applic	able Constructi	on Code <u>AN</u>	SI B 31.1			1967 Year	E0	dition
Adde	nda <u>NA</u>		- <u>.</u>	Code	Case _/	VA		
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement _	1986	-	
6. Identifica	ation of Compor	nents Repaired	l or Replace	d and Replace	ement Co	omponents		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	Co	ME ode nped NO
Main Steam	Target Rock	~	-	-	1974	Repaired		
<u>SV/RV</u>								
	ion of Morte 14	lold rappir of a		t in main star	hody f	2000	I	I
•		eld repair of g						
8. Tests Co	-	drostatic	Pneur Pressure		Nomini psi	al Operating Pr Test Temp	essure 550	°F
· · · · · · · · · · · · · · · · · · ·	ENT CHANGE, HO							
FOR ADMIN USE C		sp Supv: MATE MS: 3613	Asso Doc Typ	c Ref: MATE e: REF ONLY	Admin ir	SR: N Fre		yrs

Form NIS-2, 9 of 27

MONTIC	3613			
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2		
	REPLACEMENTS - FORM NIS-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.

r									
	CERTIFICATE OF COMPLIANCE								
	Ve certify that the statements made in the report are correct and this								
S	signed <u>falt 11 Chr. 5r. Speciality Engine</u> ate <u>2-29-</u> , <u>2000</u> Owner or Owner's Désignee, Title Jun Al SUPT MATLS/PRQ Engr.								
	CERTIFICATE OF INSERVICE INSPECTION								
اn in 2-28-28 ex	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>MINNESOTA</u> and employed by <u>HSB1 5 /NS. Co.</u> of <u>HARTFORP</u> CONN have inspected the components described in this Owner's Report during the period <u>3 RD (4-26-98)</u> to <u>OSRD INTERVAL</u> 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.								
co th	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.								
	Line Commissions MN 174.99 Inspector's Signature National Board, Province and Endorsements								
	Date Murch 3, 2000								

Form NIS-2, 10 of 27

MONTICEL	LO NUCLEA	R GENERAT	ING PLAN	T		3613				
TITLE:	OWN	IER'S REPO	ORT FOR	REPAIRS	OR	Revisi	on 2			
	REPLACEMENTS - FC				ORM NIS-2					
p		WI-09.04.03 (A				a repair/replacer EMENT PROGRA				
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										
2. Plant	Monticello Nuc	Name clear Generatin Name	g Plant	Sheet <u>1</u>		of				
2807 W	'. Hwy. 75, Mor		ota 55362	Design o	hange 9	9Q050.				
······································		dress				tion P.O. No., J	ob No.	etc.		
3. Work Per	rformed By N	ISP		Type Coo	le Symbo	l Stamp NA		,		
		Company	Name	Authoriza						
Montice	llo, MN 55362	draga		. Expiratior	Date _	NA				
		dress								
4. Identifica	tion of System	ESW System	1	<u></u>						
5. (a) Applic	able Construct	on Code Hyd	draulic Instit	ute Standards		1975	E	dition		
Adder	nda NA		<u> </u>	Code	Case	Year NA				
	able Edition of	Section XI Litili	zed for Rep		_					
	tion of Compor									
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	Co	ME ode nped NO		
ESW Pump	Gould	Q307424-2	-	13(P-111C)	1975	Replaced				
ESW Pump	Johnston	99JC1701S	-	13(P-111C)	1999	Replacement				
ESW Pump	Gould	Q307424-1	-	14(P-111D)	1975	Replaced				
ESW Pump	Johnston	99JC1702S	-	14(P-111D)	1999	Replacement				
7. Descripti	on of Work <u>R</u>	eplaced ESW	oumps P-11	1C and P-111	'D			.		
8. Tests Co	nducted: Hy	drostatic	Pneur	natic 📃	Nomin	al Operating Pro	essure	\boxtimes		
	Ot	her 🗌	Pressure	_50	psi	Test Temp	70	- °F		
3087 (DOCUMI	ENT CHANGE, HO		ENT FORM) in	corporated:	· · · · · · · · · · · · · · · · · · ·	·····]		
FOR ADMINI USE O		sp Supv: MATE		c Ref: MATE		SR: N Fre		yrs		
		<u>MS: 3613</u>	Doc Typ	e: REF ONLY	Admin ir	nitials: Dat				

APPROVED (Signatures available in Master File)

Form NIS-2, 10 of 27

MONTIC	3613			
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2		
	REPLACEMENTS - FORM NIS-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 conforms to the rules on the ASME Code, Section XI.
Signed Lit 101, Sr. Speciality, Date 3-2-, 2000 Owner or Owner's Designee, Title MUL SUPT, PROG/MATELENCK
Af the sort, I have bright
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 <u>MINNESOTA</u> and employed by <u>HSBL 5 INS.Co.</u> of <u>HARTFORD</u> <u>CONN.</u> have inspected the components described in this Owner's Report during the period <u>3RD(4-26-98)</u> to 28:03 <u>RD</u> 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 <i>SHALL</i> 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.
Inspector's Signature Commissions <u>MN 174 · 99</u> National Board, Province and Endorsements
Date March 3, 2000

Form NIS-2, 11 of 27

MONTICE	LO NUCLEA	R GENERAT	ING PLAN	Т		36	13	
TITLE:	OWN	NER'S REP	ORT FOR	REPAIRS	OR		evision 2	2
	F	ORM NIS-2	2	Pa	ige 1 of 2			
q	his form may n rogram, see 4 / urther guidance	AWI-09.04.03 (A						r
8	Supplemental sł -1/2 in x 11 in, (nd (3) each she	2) information i	n items 1 thi	ough 6 on this	report is	included o	n each she	et,
1. Owner	Northern State		-	Date 3	/1/2000			
2. Plant	Monticello Nue		g Plant	Sheet 1		of	2	
2807 \/	Huny 75 Mar	Name	ota 55362	Dosian	Shanga R	A A175		
2007 99	<u>. Hwy. 75, Mor</u> Ac	ldress	UIA 0000Z	Design C		tion P.O. N	o., Job No	. etc.
2 Morte Do				•	•		-	
5. WORK PE	rformed By <u></u>	Company I	Name	Authoriza	•	I Stamp NA	IA	<u></u>
Montice	llo, MN 55362			Expiration				
	Ad	ldress		-		· · · · · · · · · · · · · · · · · · ·		
4. Identifica	tion of System	Emergency	Service Wat	er				
5. (a) Applic	able Construct	ion Code AN	SI B 31.1		,	1967	E	dition
Adder	nda -			Code	Case	Year NA		
	· · · · · · · · · · · · · · · · · · ·							
	able Edition of		-	•			<u></u>	
6. Identifica	tion of Compor	nents Repaired	or Replace	d and Replace	ement Co	omponents		
						Repaired	d, C	SME ode
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced Replacem		mped NO
ESW PIPE	-	-	-	-	1967	Replace		
Coils	AAF	MB-200-131	-	-	1999	REPLACE NT		
· · · · · · · · · · · · · · · · · · ·								
7. Descripti	on of Work D	esian Chanae	QQ Q0175. re	eplaced pipe	and coils			, e . e
8. Tests Co		drostatic	Pneun			al Operating		
0. 10313 00							-	* 🗀 °F
	Ut	her	Pressure		psi	Test Tem	p <u>70</u>	F
3087 (DOCUM	ENT CHANGE, HO		ENT FORM) in	corporated:	· 			
FOR ADMINI	1.0	sp Supv: MATE		Ref: MATE		SR: N	Freq: 0	yrs
USE O		MS: 3613	Doc Typ	e: REF ONLY	Admin ir	nitials:	Date:	

Form NIS-2, 11 of 27

MONTIC	3613	
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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.								
Signed <u>Gill-ICh 5- Spevelty Engi</u> Date _ Owner or Owner's Designee, Title	3-1- , 2000							

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 <u>MINNESOTA</u> and employed by <u>HSB I d INS. co.</u> of <u>HARTFORD</u> <u>CONN</u> . have inspected the components described in this Owner's Report during the period <u>3RD (4-26-98</u>) to <u>ORBRD INTERVAL</u> 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.									
Inspector's Signature Commissions MN 17499 National Board, Province and Endorsements									
Date March 3, 2000									

Form NIS-2, 12 of 27

MONTICE	LO NUCLEA	R GENERAT	NG PLAN	Г		36	13			
TITLE:	.E: OWNER'S REPORT FOR REPAIRS OR					Re	Revision 2			
	REPLACEMENTS - FORM NIS-2					Pa	Page 1 of 2			
٩	<u>E 1:</u> 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.									
	•									
1. Owner	Northern States Power Co. Date <u>3/1/2000</u>									
2. Plant	Name Monticello Nuclear Generating Plant			Sheet 1		of	2			
-		·								
2807 W	/. Hwy. 75, Mor		ota 55362			T-E98Q130				
		dress		·	-	tion P.O. N). etc.		
3. Work Pe	rformed By <u>N</u>		Vomo	Type Cod Authoriza		Stamp <u>N</u>	IA			
Montice	ello, MN 55362	Company I	vame	Expiration						
		dress						<u> </u>		
4. Identifica	ation of System	Condensate	SERVICE V	Vater						
5. (a) Applic	able Construct	ion Code AN	SI B 31.1		,	1967	E	Edition		
Adder	nda -			Code	Case	Year NA				
	able Edition of	Soction VI Litili	zad for Dop							
,,,	ation of Compor									
	<u></u>	· · · · · · · · · · · · · · · · · · ·				T		SME		
						Repaired	d, C	Code		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced Replacem		mped NO		
2" CST-96	BNLIND	-	-	-	1967	Replace		\boxtimes		
2"CST-96	BN LIND	B980901-2-2	-		1999	REPLACE NT	ME			
2" CST-98	BN LIND				1967	Replace	d 🗌			
2" CST-98	BN LIND	B980901-2-1			1999	Replacem	ent 🗌			
<u></u>					/ // // // // // //					
7. Descripti	on of Work R	eplace existing	L check valu	s with now		L	I	<u></u>		
·					NJ					
8. Tests Co	-	drostatic	Pneun			al Operatin	-			
Other 🛛 Pressure psi Test Temp °F										
3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated:										
FOR ADMINISTRATIVE Resp Supv: MATE Assoc Ref: MATE SR: N Freq: 0 yrs										
USE ONLY ARMS: 3613 Doc Type: REF ONLY Admin initials: Date:										
APPROVED (Signatures available in Master File)										

MONTICELL	O NUCLEAR GENEI	RATING PLANT		3613
TITLE:	OWNER'S R	EPORT FOR R	EPAIRS OR	Revision 2
	REPLAC	EMENTS - FOR	M NIS-2	Page 2 of 2
9. Remarks Pressure	(Applicable testing per Code Case	Manufacturer's Data N-416-1	a Reports to be	Attached)
	. (CERTIFICATE OF CO	MPLIANCE	
We certify th	at the statements made in	the report are correct	and this ρ_{μ}	PLACENENT
	he rules on the ASME Co			repair/replacement
	CERTI	FICATE OF INSERVIO		
Inspectors HSB T inspected the 00 3PP /// examinations	and the State or Pro <u> <u> </u> </u>	ovince of	ESOT A <u>HART FO</u> t during the period knowledge and b	d of Boiler and Pressure Ves and employed R_D, CoNN od <u>3 RD (4-26-98)</u> belief, the Owner has perform Report in accordance with
concerning the the Inspector	ne examinations and corr	ective measure descri _ be liable in any manr	bed in the Owner her for any perso	warranty, expressed or implie r's Report. Furthermore, neit nal injury of property damage
	vod Clell Inspector's Signature Narch 3	Commissions	MN 17 National Board	74 99 d, Province and Endorsement
		/	-	

Form NIS-2, 13 of 27

		,				Form N	15-2,	15 01	
MONTICELLO NUCLEAR GENERATING PLANT						3613			
TITLE:	TLE: OWNER'S REPORT FOR REPAIRS OR					Revision 2			
	REPLACEMENTS - FORM NIS-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.									
	TE 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			Date 2/2	28/2000				
2. Plant	Monticello Nucl		Plant	Sheet 1		of			
2807 W	Name 7 W. Hwy. 75, Monticello, Minnesota 55362 Work Order 9904991							etc.	
Address Repair Organization P.O. No., sob No. etc. 3. Work Performed By NSP Type Code Symbol Stamp NA Company Name Authorization No. NA Monticello, MN 55362 Expiration Date NA									
4. Identific	ation of System	Reactor wate	r Cleanup (I	RWCU) outbo	ard Isola	tion Valve MO-2	2398.	<u></u>	
5. (a) Appli	cable Construction	on Code <u>ANS</u>	SI B 31.1		I	1967 Year	Ed	ition	
Adde	enda <u>NA</u>			Code	Case _/	VA			
(h) Appli	cable Edition of	Section XI Utili	zed for Repa	airs or Replac	ement 🔄	1986			
	ation of Compor								
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASI Co Stan YES	de	
MO-2398	Anchor Valve	3315-B			1969	Replaced			
MO-2398	Flowserve	E758A-2-2			1999	Replacement	\boxtimes		
7. Description of Work Replaced Valve									
				matic	Nomin	al Operating Pr	ressure		
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 1000 psi Test Temp 70 °F									
3087 (DOCUMENT CHANGE, HOLD AND COMMENT FORM) incorporated:									
		esp Supv: MATI		<u> pc Ref: MATE</u>			eq: 0	yrs	
USE ONLY ARMS: 3613 Doc Type: REF ONLY Admin initials: Date:									

Form NIS-2, 13 of 27

MONTICELLO NUCLEAR GENERATING PLANT 3613 TITLE: OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2 Revis

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 <u>REPLACEMENT</u> conforms to the rules on the ASME Code, Section XI. repair/replacement
	Signed Lutitich, Sr. specify Eigner Date 2-29, 200 Owner or Owner's Designee, Title While SUPT MATLS PROG ENGR.
	CERTIFICATE OF INSERVICE INSPECTION
).	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse Inspectors and the State or Province of <u>MINNESOTA</u> and employed by <u>HSBTEINS.CO.</u> of <u>HARTFORD</u> , <u>CONN</u> have inspected the components described in this Owner's Report during the period <u>3/2D(4-26-98)</u> to <u>3RP INTERVAL</u> , 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.
	Inspector's Signature Commissions MN 174.99 National Board, Province and Endorsements

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES. 30 f Li As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of .

Flowserve Corp. 1. Manufactured and cardified by _701 First Street, Williamsport, PA 17701 Iname 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) N/A 4. Model No., Series No., or Type DD Gate ___ Drawing <u>W9925312</u> CRN_ B Rev. N/A 5. ASME Code, Section III, Division 1: 1989 No 1 (Code Case no.) (class) (edition) (addanda date) 6. Pump or valve Valve A Outlet size . Nominal inlet size. lin) (in.) BoltingStuds: SA193-B7 7. Material: Body SA216-WCB Bonnet SA216-WCB SA696-C Disk ____ Nuts: SA194-7 (e) (d) (c) (b) (a) Disk Body Bonnet Nat'l Cart. Serial Serial Serial Board Holder's No. No. No. Serial No No. 1 & 4 H826 H747 E-758A-2-2 N/A 31 N 1 105 -. ····· .. -----..... 3 -

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8% × 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.

r

(12/88)

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

REPRINT 6/93

FORM NPV-1 (Back - Pg. 2 of _2__)

Form 15-2,5 14 of 27

	٠		Certificate Holder	's Serial No. <u>E-75</u>	<u>88-2-2</u>
Design conditions	2173	psi570	.	e class <u>900 SPL</u>	
	(pressure) 2250	(temperature)	••	12	
Cold working pressure .			•		•
Hydrostatic test	<u>3375 psi.</u>	Disk differential test pres	isure2475	·····	psi
		•	•		
Remarks:		••			
		·	·····		
·					
	<u>, 1947, , , , , , , , , , , , , , , , , , , </u>	CERTIFICATION OF	DESIGN		
sign Specification certifi	ied by Robert	P. Jones	_ P.E. State	Reg. no. 2119	L
esign Report certified by	Ronald S.	Farrell	P.E. State PA	Reg. noPE-03	5216-E
•	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
		. 4		¢.,	
		CERTIFICATE OF CON	IPLIANCE		
Certificate of Authorizat ateNa	Flows	erve Corp.	Signed	horized representative)	
		مین میں معمد اور میں معمد میں معمد میں میں معمد میں	· · · · ·	· ·	
-		CERTIFICATE OF INS	PECTION		
the State or REVINCE of ofBoston, Mass /-3	Pennsylvar <i>D-9</i> , and s		and employed byComme acted the pump, or valve, ny knowledge and belief,	rcial Union Tr described in this Data	Report on
By eloning this certificate	. neither the insr	pector nor his employer m	akes any warranty, expre	ssed or implied, conc	erning the
component described in t	this Data Report.	Furthermore, neither the i	nspector nor his employer	shall be liable in any i	nanner for
any personal injury or pro	perty damage or	a loss of any kind arising f	rom or connected with th	is inspection.	
Date <u>//-3<i>0-97</i></u> Signe Char	les Youthorized	le commissi		inia 2392 mements) and state or pro	v. and no.)
Char.					
For manually operated	valves only.		•	-	
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							<u>NIS-2,</u>	<u>14 o</u>
MONTICEL	LO NUCLEAR					3613		
TITLE:		ER'S REPO			OR	Revisio	n 2	
	R	Page 1	of 4					
p fu	his form may no rogram, see 4 A' irther guidance. upplemental she	WI-09.04.03 (AS	ME SECTIO	N XI REPAIR/R	EPLACE	MENT PROGRA	M) for	e is
	-1/2 in x 11 in, (2 nd (3) each shee) information in	items 1 thre	ough 6 on this	report is	included on eac	ch shee	t,
1. Owner	. Owner Northern States Power Co. Date 2/28/2000							
2. Plant						of		
2807 W	. Hwy. 75, Mon	Work Ord	ler 9904	990				
		dress				tion P.O. No., Jo	ob No.	etc.
3. Work Pe	rformed By N	SP		Type Code	e Symbo	l Stamp NA		
J. WORLD		Company N	lame	Authorizat	•			
Montice	ello, MN 55362			Expiration	Date /	NA	.	
	Ade	dress						
4. Identifica	ation of System	Reactor wate	er Cleanup (RWCU) Inboa	rd Isolati	ion Valve MO-2	397.	
			010 01 1			1967	Fo	lition
5. (a) Applic	able Constructi	on Code ANS	51 8 31,1		······ ,	Year		
Adde	nda <u>NA</u>			Code	Case _	NA		
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement	1986		
	ation of Compor							
· · · · · · · · · · · · · · · · · · ·	T						AS	ME
						Repaired,	Co	
Name of	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	Stan YES	NO
Component MO-2397	Anchor Valve	3315-A	Doard No.	- Additional of the second sec	1969	Replaced		\boxtimes
MO-2397	Flowserve	E758A-2-1			1999	Replacement		· 🔲
7. Descript	ion of Work R	eplaced Valve						
•		vdrostatic	Pneur	matic 🗌	Nomin	al Operating Pr	essure	Π
8. Tests C	-				psi	• •	70	°F
	Ot	her 🛛	Pressure	1000	psi	restremp _		- '
3087 /0001	IENT CHANGE, H		ENT FORM) ir	ncorporated:	· · · · · · · · · · · · · · · · · · ·			
		esp Supv: MATE		c Ref: MATE		SR: N Fre	eq: 0	yrs
USE		MS: 3613	Doc Tyr		Admin i	nitials: Da	te:	
						2		
APPROV	ED (Signati	ures availal	ble in Ma	ster File)				

Form NIS-2, 14 of 27

MONTICELLO NUCLEAR GENERATING PLANT 3613 TITLE: OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2 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.
Signed Luft (Chrl. Srs. Specialty Scines, Date <u>2-29-</u> , 2000) Owner or Owner's Designee, Title Man 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 <u>MINNESOTA</u> and employed by <u>HSBJE / NS. CO.</u> of <u>HARTFORD, CONN</u> have inspected the components described in this Owner's Report during the period <u>3 RD (4-26)96</u> to 23 RD 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.
Inspector's Signature Commissions MN 174.99 National Board, Province and Endorsements
Date March 3, 2000

Form N192,414 of 27

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

Pg. 1 of _2___

- <u></u>	Flowser	ve Corp.		
1. Manufactured and co	artified by <u>701 Fir</u>	st Street, Willi	amsport, PA 17 dress of N Certificate Holder	701
	Narthern States			polis, MN 55440-9366
2. Manufactured for	Northern States	(name and addr	ass of Purchaser)	
3. Location of installation	on <u>Monticello N</u>	PS 2807 W. CO RD	75, Monticello, and address)	MN 55362
•			312 RevB	CRNN/A
4. Model No., Series No	or Type <u>DD Gat</u>	Urawing 12222		
5. ASME Code, Section	III, Division 1: <u>198</u>	9 National Statements		N/A (Code Case no.)
· · · · ·	-			4
6. Pump or valve <u>Va</u>		al inlet size4	Outlet size	lin.]
7. Material: Body <u>S</u>	A216-WCB Bonne	t <u>SA216-WCB</u> Di	sk <u>SA696-C</u>	BoltingStuds: SA193-B7 Nuts: SA194-7
(a)	(b)	(c)	(d)	(e)
Cert.	Nat'l	Body	Bonnet	Disk
Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	Na.
E-758A-2-1	N/A	H746	<u>H825</u>	2 & 3
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* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 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.

(12/88)

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

REPRINT 6/93

FORM NPV-1 (E	Back - Pg. 2 of _2)
	Certificate Holder's Serial No
	·
Design conditions 21/3 psi	570°F or valve pressure class <u>900_SPL</u>
(pressure)	
Cold working pressure 2250 psi at 100	0°F
Hydrostatic test3375 psi. Disk different	tial test pressure 2475 psi
Aydrostatic test	
Remarks:	
	ATION OF DESIGN
Constitution settified by Robert P. Jones	P.E. State <u>MN</u> Reg. no. <u>21191</u>
sign Specification certified byRonald_S	P.E. State <u>PA</u> Reg. noP <u>E-035216-E</u>
CERTIFICA	TE OF COMPLIANCE
	TE OF COMPLIANCE
e certify that the statements made in this report are corre the ASME Code, Section III, Division 1.	ect and that this pump or valve conforms to the rules for construction $4/15/01$
e certify that the statements made in this report are corre the ASME Code, Section III, Division 1. Certificate of Authorization No. <u>N1712</u>	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01
e certify that the statements made in this report are corre the ASME Code, Section III, Division 1. Certificate of Authorization No. <u>N1712</u> Flowserve Corp.	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01
e certify that the statements made in this report are corre the ASME Code, Section III, Division 1. Certificate of Authorization No. <u>N1712</u> Flowserve Corp.	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Signed
e certify that the statements made in this report are corre the ASME Code, Section III, Division 1. Certificate of Authorization NoN1712 Flowserve Corp.	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Signed
e certify that the statements made in this report are corre the ASME Code, Section III, Division 1. Certificate of Authorization No. <u>N1712</u> Flowserve Corp.	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Signed
e certify that the statements made in this report are corrected the ASME Code, Section III, Division 1. Certificate of Authorization NoN1712 Flowserve Corport ateName(N Certificate Holder	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Hauthorized representative)
e certify that the statements made in this report are corrected the ASME Code, Section III, Division 1. Certificate of Authorization NoN1712 Flowserve Corport ate	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Hauthorized representative) ATE OF INSPECTION
e certify that the statements made in this report are corrected the ASME Code, Section III, Division 1. Certificate of Authorization NoN1712 AteName	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 • Signed • •<
e certify that the statements made in this report are corrected ASME Code, Section III, Division 1. Certificate of Authorization No. <u>N1712</u> Flowserve Corp. Ate Name (N Certificate Helder CERTIFICA the undersigned, holding a valid commission issued by State of Pennsylvania	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed <
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e certify that the statements made in this report are corrected the ASME Code, Section III, Division 1. Certificate of Authorization NoN1712 Flowserve Corp. ateName (N Certificate Holds) CERTIFICA the undersigned, holding a valid commission issued by the State or FASVINGE of Boston, Mass. Halt M-30-99, and state that to the	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Signed Iauthorized representative) ATE OF INSPECTION and employed by Commercial Union Ins. Co. The best of my knowledge and belief, the Certificate Holder has con-
e certify that the statements made in this report are corrected the ASME Code, Section III, Division 1. Certificate of Authorization No	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Signed Iauthorized representative) ATE OF INSPECTION and employed by Commercial Union Ins. Co. The best of my knowledge and belief, the Certificate Holder has con-
e certify that the statements made in this report are corrected ASME Code, Section III, Division 1. Certificate of Authorization NoN1712 Flowserve Corp. Ate	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Hauthorized representative) ATE OF INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and and employed by Conmercial Union Ins. Co. have inspected the pump, or valve, described in this Data Report on the best of my knowledge and belief, the Certificate Holder has con- the Code, Section III, Division 1. Expires 4/15/01
e certify that the statements made in this report are corrected ASME Code, Section III, Division 1. Certificate of Authorization NoN1712 Flowserve Corp. ateName(N Certificate Hold (N Certificate Hold CERTIFICA the undersigned, holding a valid commission issued by the State or FVSWKCe of Boston, Mass, and state that to the ructed this pump, or valve, in accordance with the ASM y signing this certificate, neither the inspector nor his e amponent described in this Data Report. Furthermore, ne	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Signed (authorized representative) ATE OF INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and and employed by Commercial Union Ins. Co. have inspected the pump, or valve, described in this Data Report on the best of my knowledge and belief, the Certificate Holder has con- ME Code, Section III, Division 1. employer makes any warranty, expressed or implied, concerning the either the inspector nor his employer shall be liable in any manner for
e certify that the statements made in this report are corrected ASME Code, Section III, Division 1. Certificate of Authorization NoN1712 Flowserve Corp. Ate	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Signed (authorized representative) ATE OF INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and and employed by Commercial Union Ins. Co. have inspected the pump, or valve, described in this Data Report on the best of my knowledge and belief, the Certificate Holder has con- ME Code, Section III, Division 1. employer makes any warranty, expressed or implied, concerning the either the inspector nor his employer shall be liable in any manner for
e certify that the statements made in this report are correct the ASME Code, Section III, Division 1. Certificate of Authorization NoN1712 Flowserve Corp.ate ateName(N Certificate Helder (N Certificate Helder the undersigned, holding a valid commission issued bries tate or FVSWIKCe of Boston, Mass. , and state that to the ructed this pump, or valve, in accordance with the ASM y signing this certificate, neither the inspector nor his e component described in this Data Report. Furthermore, ne my personal injury or property damage or a loss of any kin the 2009	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Hauthorized representative) ATE OF INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and and employed by Commercial Union Ins. Co. have inspected the pump, or valve, described in this Data Report on the best of my knowledge and belief, the Certificate Holder has con- the Code, Section III, Division 1. Employer makes any warranty, expressed or implied, concerning the either the inspector nor his employer shall be liable in any manner for ind arising from or connected with this inspection.
e certify that the statements made in this report are corrected ASME Code, Section III, Division 1. Certificate of Authorization NoN1712Flowserve Corp. ateName(N Certificate Holds) The undersigned, holding a valid commission issued by the undersigned, holding a valid commission issued by Boston, Mass. Ma	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Hauthorized representative) ATE OF INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and and employed by Commercial Union Ins. Co. have inspected the pump, or valve, described in this Data Report on the best of my knowledge and belief, the Certificate Holder has con- the Code. Section III, Division 1. Employer makes any warranty, expressed or implied, concerning the seither the inspector nor his employer shall be liable in any manner for ind arising from or connected with this inspection.
e certify that the statements made in this report are corrected ASME Code, Section III, Division 1. Certificate of Authorization NoN1712 Flowserve Corp. ate	ect and that this pump or valve conforms to the rules for construction Expires 4/15/01 Signed Jump Iauthorized representative) ATE OF INSPECTION and employed by Commercial Union Ins. Co. The bast of my knowledge and belief, the Certificate Holder has contended by Contended in this Data Report on the bast of my knowledge and belief, the Certificate Holder has contended by Contended or implied, concerning the either the inspector nor his employer shall be liable in any manner for ind arising from or connected with this inspection.

Form NIS-2, 15 of 27

NOTE 1: Th NOTE 1: Th NOTE 2: Su 8-7 an 1. Owner M 2. Plant M	OWN R nis form may no ogram, see 4 A rther guidance upplemental sh 1/2 in x 11 in, (2 id (3) each she	WI-09.04.03 (A eets in form of 2) information in et is numbered	ORT FOR ENTS - FO ems needed SME SECTIO lists, sketch n items 1 thr	REPAIRS ORM NIS-2 I for document ON XI REPAIR/I	ation of a	3613 Revisio Page 1 repair/replacen MENT PROGRA	of 4		
NOTE 1: Th profu NOTE 2: Su 8-7 an 1. Owner 1 2. Plant 1	R nis form may no ogram, see 4 A rther guidance upplemental sh 1/2 in x 11 in, (2 id (3) each she	EPLACEMI ot address all it WI-09.04.03 (A eets in form of 2) information it et is numbered	ENTS - F(ems needed SME SECTIC lists, sketch n items 1 thr	ORM NIS-2 I for document DN XI REPAIR/I	ation of a	Page 1	of 4		
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2. Plant N	Northern State	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							
2807 \/	Name <u>Monticello Nuclear Generating Plant</u> Sheet <u>1</u> Name								
2001 44.	Hwv. 75. Mon	ticello, Minnes	ota 55362	Work Or	ler 9904	989			
	•	dress				ion P.O. No., Jo	ob No.	etc.	
3. Work Perf	formed By N	SP		Type Cod	e Symbo	Stamp NA			
		Company I	Name	Authorizat	ion No.	NA			
Monticell	lo, MN 55362	_1		Expiration	Date _/	VA			
	Ad	dress							
4. Identificati	ion of System	HPCI Steam	Supply Out	board Isolation	n Valve N	10-2035.	~		
		on Code <u>AN</u>	SI B 31.1		,	1967 Year	Eo	dition	
Addend	da <u>NA</u>			Code	Case _/	VA			
(b) Applica	ble Edition of	Section XI Utili	zed for Repa	airs or Replac	ement	986			
6. Identificati	ion of Compon	ents Repaired	or Replace	d and Replace	ement Co	mponents			
							AS		
Name of	Name of	Manufacturer	National	Other	Year	Repaired, Replaced or	Co Stan		
	Manufacturer	Serial No.	Board No.	Identification	Built	Replacement	YES	NO	
MO-2035	Anchor Valve	3318-B	-	-	1969	Replaced		\boxtimes	
MO-2035	Flowserve	E-758A-1-1	-	-	1999	Replacement	\boxtimes		
7. Descriptio	n of Work R	eplaced Valve		•					
8. Tests Con	nducted: Hy	drostatic	Pneun	natic 🗌	Nomina	al Operating Pre	essure		
		ner 🛛	Pressure		psi		70	°F	
3087 (DOCUME	NT CHANGE, HO		ENT FORM) in	corporated:	······				
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Form NIS-2, 15 of 27

MONTICELLO NUCLEAR GENERATING PLANT TITLE: OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - FORM NIS-2

3613 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.
	Signed <u>Chill (Chill, Sr. specialty Engine</u> Date <u>2-29-</u> , 2000 Owner or Owner's Designee, Title M SUPT, MATLS/PROX FUGR.
	CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
-28-0	Inspectors and the State or Province of $\underline{MINNESOTA}$ and employed by $\underline{HSBLEINS.CO}$ of $\underline{MARTFORD}$, \underline{CONN} have inspected the components described in this Owner's Report during the period $\underline{3RP(4-24-9)}$ to \underline{CONN} have \underline{CONN} have
	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.
	Annow Control Commissions MN 174.99 Inspector's Signature National Board, Province and Endorsements
	Date Murch 3, 2000

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OF VALVES 2, 15 of 27 As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of _2___

	Flowserv	e Corp.		
1 Manufactured and c	ertified by Firs		msport, PA 17	
1. Manalactored and a		Iname and add	ress of N Certificate Holder	1
2 Manufactured for	Northern States	Power Co., PO Bo	x 9366. Minneau	polis, MN 55440-9366
2. Wandhactured for		iname and addre		· · · · · · · · · · · · · · · · · · ·
3 Location of installati	on <u>Monticello NP</u>	S 2807 W. CO RD7	5, Monticello.	MN 55362
J. LOCATION OF INStander			and address)	
4. Model No., Series No	o or Type DDGate	Drawing W99253	11 Rev. A	CRNN/A
5. ASME Code, Section	n III Division 1 1989	No	. 1	N/A
5. ADIAL COUL, SCUID		itton) (addenda	date) (class)	(Code Case no.)
6. Pump or valve Va	lve Nominal	inlet size8	Outlet size	8
		(in.)		(in.)
7. Material: Body <u>S</u>	A216-WCB Bonnet	SA216-WCB Dis	k <u>SA516-70</u>	BoltingStuds: SA193-B7 Nuts: SA194-7
(a)	(b)	(c)	(d)	
Cert.	Nat'l	Body	Bonnet	(e) Disk
Holder's	Board	Serial	Serial	Serial
Serial No.	No.	Na.	No.	No.
E-758A-1-1	N/A	<u></u>	H760	<u>l and 2</u>
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*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 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.

(12/88)

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

REPRINT 6/93

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

Form NS-2, 45 of 27

				Cartificat	a Lioidel 2 Sella	No	
Beeting con	ditions	1438	psi582	°F or vaive		600 SPT	
. Design com		(pressure)	(temper	iture)	pressure class .	BEL	
. Cold workin	ng pressure	1500	psi at 100°F			1	
Hydrostatic	test	2250	osi. Disk differential te	st pressure	0		D
				·		in der son der sternen son der son der Son der son der	P
. Remarks:		······································	······································				
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					· .		
		· · · · · · · · · · · · · · · · · · ·	CERTIFICATIO	OF DESIGN			
esign Specific	ation certif	ied by Rober	rt P. Jones	P.E. StateM	N Rec	1. no. <u>21191</u>	
esign Report o	certified by	Ronald S	S. Farrell	P.E. State		. noPE-03521	6-E
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e certify that	the statem	ents made in th				in the second seco	_
the ASME Co	ode, Sectio	n III, Division 1 ion No. <u>N</u> Flow	his report are correct and 11712 ISERVE Corp.	that this pump or valve	xpires 4/1	<u>5/01</u>	ction
the ASME Co	ode, Sectio	n III, Division 1 ion No. <u>N</u> Flow	his report are correct and 1 1712	that this pump or valve		<u>5/01</u>	ction
the ASME Co	ode, Sectio	n III, Division 1 ion No. <u>N</u> Flow	nis report are correct and 11712 Serve Corp. (N Certificate Holder)	that this pump or valve	xpires 4/1	<u>5/01</u>	ction
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the undersigne State or FX	Authorizat	n III, Division 1 ion No. <u>N</u> Flow me g a valid comr Pennsylva	his report are correct and 11712 VSERVE Corp. (N Certificate Holder) CERTIFICATE Of mission issued by the lania	Signed Signed Signed Attional Board of Boile	r and Pressure Nommercial (/essel inspectors	and
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the ASME Co Certificate of ate	ned, holdin Wike of n, Mass /L/	g a valid com Pennsylva (c. in accordance)	A State that to the best to the ASME Code	Signed Si	r and Pressure V ommercial to valve, described belief, the Certif	/essel Inspectors Inion Ins. in this Data Repo	and Co rrt on con-
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the undersigned State or FXS Bostor ructed this pury y signing this pomponent desired	Authorizat Authorizat	n III, Division 1 ion No. <u>N</u> Flow me <u>Pennsylva</u> (<u>o 22</u> , and re, in accordance neither the institute of the second second second second second second second neither the institute of the second seco	II712 Serve Corp. (N Certificate Holder) CERTIFICATE Of mission issued by the lania have i state that to the best ce with the ASME Code spector nor his employed	Signed Si	r and Pressure V ommercial I valve, described belief, the Certif expressed or imployer shall be lia	5/01 Vessel Inspectors Inion Ins. in this Data Repo icate Holder has aplied, concerning able in any manne	and Co rt on con-
the undersigned State or FXS Bostor tructed this purposed to the second state or FXS box to the second state or FXS tructed this purposed to the second state of the s	Authorizat Authorizat	n III, Division 1 ion No. <u>N</u> Flow me <u>Pennsylva</u> (<u>o 22</u> , and re, in accordance neither the institute of the second second second second second second second neither the institute of the second seco	CERTIFICATE OF mission issued by the lanfahave i state that to the best ce with the ASME Code spector nor his employed. Furthermore, neither t r a loss of any kind arisi	Signed Si	r and Pressure V mercial t valve, described belief, the Certif expressed or imployer shall be lia with this inspection	5/01 Vessel Inspectors Inion Ins. in this Data Repo icate Holder has aplied, concerning able in any manne	and Co rt on con- g the er for

Form NIS-2, 16 of 27

MONTICELLO NUCLEAR GENERATING PLANT 3613																
					<u></u>	3613										
TITLE:	OWN	Revisio														
	R	Page 1	ot 2													
p fi	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															
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 <u>3/2/2000</u>																
Name 2. Plant Monticello Nuclear Generating Plant Sheet 1 contraction																
2. Plant Monticello Nuclear Generating Plant Sheet 1 of 2																
2807 W	[/] . Hwy. 75, Mon		ota 55362	Design c												
	Ad	dress		Repair (Organiza	tion P.O. No., J	ob No.	etc.								
3. Work Pe	rformed By <u>N</u>					Stamp <u>NA</u>	. <u>.</u>	<u></u>								
Montice	ello, MN 55362	Company	Name	Authorizat Expiration		the second s										
Wonned		dress			- Duite -											
4. Identifica	ation of System	RCIC Syster	<i>n</i>		·											
5. (a) Applic	able Constructi	on Code <u>AN</u>	SI B 31.1		7	<u>1977</u> Year	Ec	dition								
Adder	nda Winter 19	978		Code	Case _											
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement	1986										
6. Identifica	ition of Compor	nents Repaired	l or Replace	d and Replace	ement Co	omponents										
								ME								
Name of	Nome of	Manufacturer	National	Other	Year	Repaired, Replaced or		nde nped								
Component	Manufacturer	Serial No.	Board No.	Identification	Built	Replacement	YES	NO								
RCIC-57	Circle Seal	-	-	224S-12PP	1978	Replaced		\boxtimes								
RCIC-57	BNL		-	-	1999	Replacement		\boxtimes								
RCIC-59	Circle Seal	-	-	224S-12PP	1978	Replaced										
RCIC-59	BNL		-	-	1999	Replacement										
7. Descripti	on of Work R	eplaced RCIC	steam exha	ust vacuum bi	reakers v	valves.		-								
•		drostatic		natic 🕅		al Operating Pro	essure									
	•	her	Pressure		psi		Ambt	۳F								
L	ENT CHANGE, HO															
FOR ADMINI		sp Supv: MATE		c Ref: MATE	Admini	SR: N Fre		yrs								
		110. 3013		U. KEFUNLY			. .	USE ONLY ARMS: 3613 Doc Type: REF ONLY Admin initials: Date:								

Form NIS-2, 16 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-2	Page 2 of 2

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

CERTIFICATE OF COMPLIANCE REPLACEMENT We certify that the statements made in the report are correct and this conforms to the rules on the ASME Code, Section XI. repair/replacement 12 gr Date 3 - 2 - , 2000 Signed Leht 1ch Sr. Special Owner or Owner's Designee, Title MATLI

CERTIFICATE C	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 $\frac{HSBE INS. Co.}{\text{inspected the components described in this Owner's Report during the period 3RD (4-26-98) to 2.28 co3RD INTERVAL, and state that to the best of my knowledge and belief, the Owner has performed$ have 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.

Inspector's Signature Commissions <u>MN 174.99</u> National Board, Province and Endorsements Date March 3, 00-10, 2000

Form NIS-2, 17 of 27

MONTICE	LLO NUCLEA	DCENEDAT		r	· · ·	3613		
TITLE:		IER'S REP			<u>OR</u>	Revisio	on 2	
						Page 1		
						1 490		
	This form may n program, see 4 A further guidance	WI-09.04.03 (A						
•	Supplemental sh 8-1/2 in x 11 in, (/ and (3) each she	2) information i	n items 1 thr	ough 6 on this	report is	included on ea	ch she	et,
1. Owner	Northern State		•	Date <u>3</u>	/1/2000			
2. Plant	Monticello Nuc	Name clear Generatin Name	g Plant	Sheet 1	, , , , <u>, , , , , , , , , , , , ,</u>	of		
2807 V	V. Hwy. 75, Mor		ota 55362	Design C	hange 0	0Q045		
		dress				tion P.O. No., J	ob No.	etc.
3. Work Pe	erformed By <u>N</u>	SP Company I	Nomo	Type Cod Authorizat	•	I Stamp <u>NA</u>		
Montic	ello, MN 55362	Company	Name	Expiration				
		dress	-,	·				
4. Identific	ation of System	Emergency	Service Wat	er				
5. (a) Appli	cable Constructi	on Code <u>AN</u>	SI B 31.1		····· ,	<u>1967</u> Year	Eo	dition
Adde	enda <u>-</u>	· · ·		Code	Case _	NA		
(b) Appli	cable Edition of	Section XI Utili	zed for Rep	airs or Replac	ement	1986		
6. Identific	ation of Compor	nents Repaired	or Replace	d and Replace	ement Co	omponents		
	T]		ME
Name of	Name of	Manufacturer	Notional	Other	Year	Repaired, Replaced or		nde nped
Name of Component	Manufacturer	Serial No.	Board No.	Identification	Built	Replacement	YES	NO
ESW PIPE	-	-	-	-	1967	Replaced		\boxtimes
ESW PIPE	-	-	-	-	1999	REPLACEME NT		
		esign Change	000045 m	laced nine fr				L
8. Tests C	-	drostatic 🛛	Pneur Pressure		psi	al Operating Pre Test Temp	70	°F
				······				
· · · · · ·	ISTRATIVE					SR: N Fre	g: 0	Vre
USE (sp Supv: MATE MS: 3613	Doc Typ	<u>c Ref: MATE</u> e: REF ONLY	Admin i			yrs
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Form NIS-2, 17 of 27

MONTIC	MONTICELLO NUCLEAR GENERATING PLANT		
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2	
	REPLACEMENTS - FORM NIS-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	1
We certify that the statements made in the report are correct and this conforms to the rules on the ASME Code, Section XI.	REPLACE MENT repair/replacement
Signed <u>Kahit Iller Sr. Spenlig Enging</u> o Owner or Owner's Designee, Title	ate <u>3-1-</u> , <u>2000</u>

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 <u>3RD (4-26-98)</u> to have 7.18-003RD 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. Inspector's Signature Commissions <u>MN 17499</u> National Board, Province and Endorsements Date March 3, 2000

Form NIS-2, 18 of 27

						Form NI	<u> </u>	
MONTICEL	LO NUCLEA	R GENERAT	ING PLAN	Г		3613		
TITLE:	OWN	IER'S REPO	ORT FOR	REPAIRS	OR	Revisi	on 2	
	R	EPLACEM	ENTS - F	ORM NIS-2	2	Page	1 of 2	
qq		WI-09.04.03 (A				a repair/replacer EMENT PROGRA		
8	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 State		-	Date <u>3</u>	/1/2000			
2 Diant	Monticollo Nur	Name	a Blant	Shoot 1		of 2		
2. Plant	Monticello Nuc	Name	ig Plant	Sheet <u>1</u>		of		
2807 W	. Hwy. 75, Mon		ota 55362	Desgn ci	hange 00	Q015		
		dress				tion P.O. No., J	ob No.	etc.
3. Work Pe	rformed By N	ISP		Type Cod	le Symbo	l Stamp NA		
		Company	Name	Authoriza	•			
Montice	llo, MN 55362		<u>.</u>	Expiration	Date	NA		
	Ad	dress						
4. Identifica	ition of System	RHR service	Water					
5. (a) Applic	able Constructi	ion Code <u>AN</u>	SI B 31.1		I	1967 Year	Eo	dition
Adder	nda <u>-</u>			Code	Case _			
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement	1986		
	tion of Compor			•		· · · · ·		
			·		Γ		AS	ME
						Repaired,	•	de
Name of		Manufacturer		Other	Year	Replaced or		nped
Component	Manufacturer	Serial No.	Board No.	Identification	Built	Replacement	YES	NO
RHR PIPE	-	-	-	-	1967	Replaced		
RHR PIPE	-	-	-	-	1999	REPLACEME NT		\boxtimes
								. 🛛
7. Descripti	on of Work D	esign change (00Q015, rep	laced portion	of B loop	pipe.		
8. Tests Co	nducted: Hv	drostatic	Pneur	natic 🗔	Nomin	al Operating Pr	essure	
	-	her	Pressure		psi	Test Temp		°F
	Ŭ.		11633016		Par	just remp _	. <u></u>	'
3087 (DOCUM	ENT CHANGE, HO		ENT FORM) in	corporated:	· · · · · · · · · ·			
FOR ADMINI	·····	sp Supv: MATE		c Ref: MATE		SR: N Fre		yrs
USE O	NLT AR	MS: 3613	Doc Typ	e: REF ONLY	Admin i	nitials: Dal	e:	

Form NIS-2, 18 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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 <u>Lulif / h. 5r. Specially Eiginer</u> Dat Owner or Owner's Designee, Title MML SUPP MATL ENGK.	te <u>3-1-</u> , 2000
MM SUPT MATTLENGK.	······································

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 <u>MINNESOTA</u> and employed by <u>HSBTSINSCO</u> of <u>HARTFORD</u> CONN have inspected the components described in this Owner's Report during the period <u>3RD (4-26-98)</u> to <u>3RD INTERVAL</u>²⁻²⁸ 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.

Inspector's Signature Commissions <u>MN 174.99</u> National Board, Province and Endorsements March 1 , 2000 Date

Form NIS-2, 19 of 27

MONITION	I O MUOLES	DOCHERAT				10040		
					00	3613 Rovici	on 2	
TITLE:		IER'S REPO				Revisi		
	K	EPLACEM	ENIS-F	ORIVINIS-2		Page	1 of 2	
p	This form may n program, see 4 <i>A</i> urther guidance	WI-09.04.03 (A						
8	Supplemental sh 3-1/2 in x 11 in, (a and (3) each she	2) information i	n items 1 thi	rough 6 on this	report is	s included on ea	ch she	et,
1. Owner	Northern State			Date 3/	/3/2000			
2. Plant	Monticello Nuc	Name clear Generatin	g Plant	Sheet 1		of		
2807 W	/. Hwy. 75, Mor	Name ticello, Minnes	ota 55362	NGS-000	015-02			
		dress			• .	tion P.O. No., J	ob No.	etc.
3. Work Pe	rformed By N	ISP		Type Cod	e Symbo	l Stamp NA		
0		Company I	Name	Authorizat	-			
Montice	ello,MN 55362			Expiration	Date _	NA		
	Ad	dress						
4. Identifica	ation of System	RHR, Service	e Water Hea	nder				
5. (a) Applic	able Construct	ion Code <u>AN</u>	SI B 31.1		,	1977	Eo	dition
Adder	nda W78			Code	Case	Year NA		
		Section VI Litili						
.,	able Edition of		-				· •••	
6. Identifica	ation of Compor	nents Repaired	or Replace	d and Replace	ement Co	omponents		
	1						AS	
						Repaired,		ME
Name of	Name of	Manufacturer	National	Other	Vear		Co	de
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	Co	
		Serial No. SR-900				Replaced or	Co Stan	de nped
Component PipeSupport Pipe	Manufacturer	Serial No.			Built	Replaced or Replacement	Co Stan YES	ode nped NO
Component PipeSupport	Manufacturer NSP	Serial No. SR-900 toSR-904 SR-900 to			Built 1978	Replaced or Replacement <i>Replaced</i>	Cc Stan YES	nped NO
Component PipeSupport Pipe	Manufacturer NSP	Serial No. SR-900 toSR-904 SR-900 to			Built 1978	Replaced or Replacement <i>Replaced</i>	Cc Stan YES	nped NO
Component PipeSupport Pipe	Manufacturer NSP	Serial No. SR-900 toSR-904 SR-900 to			Built 1978	Replaced or Replacement <i>Replaced</i>	Cc Stan YES	nped NO
Component PipeSupport Pipe Support	Manufacturer NSP NSP	Serial No. SR-900 toSR-904 SR-900 to SR-904	Board No.	Identification	Built 1978	Replaced or Replacement <i>Replaced</i>	Cc Stan YES	NO NO
Component PipeSupport Support 7. Descripti	Manufacturer NSP NSP	Serial No. SR-900 toSR-904 SR-900 to SR-904 W header repla	Board No.	Identification	Built 1978 1999	Replaced or Replacement <i>Replaced</i> <i>Replacement</i>	Co Stan YES	ode nped NO Image: State of the stat
Component PipeSupport Support 7. Descripti	Manufacturer NSP NSP	Serial No. SR-900 toSR-904 SR-900 to SR-904	Board No.	Identification	Built 1978 1999	Replaced or Replacement <i>Replaced</i>	Co Stan YES	
Component PipeSupport Support 7. Descripti	Manufacturer NSP NSP	Serial No. SR-900 toSR-904 SR-900 to SR-904 W header repla	Board No.	Identification	Built 1978 1999	Replaced or Replacement <i>Replaced</i> <i>Replacement</i>	Co Stan YES	ode nped NO Image: Second se
Component PipeSupport Support 7. Descripti 8. Tests Co	Manufacturer NSP NSP	Serial No. SR-900 toSR-904 SR-900 to SR-904 W header repla	Board No. Board No.	Identification	Built 1978 1999 Nomin	Replaced or Replacement Replaced Replacement	Co Stan YES	
Component PipeSupport Support 7. Descripti 8. Tests Co	Manufacturer NSP NSP ion of Work S onducted: Hy Ot ENT CHANGE, HO	Serial No. SR-900 toSR-904 SR-900 to SR-904 W header repla	Board No. Board No. Accement SM MAPneur Pressure	Identification	Built 1978 1999 Nomin	Replaced or Replacement Replaced Replacement al Operating Pr Test Temp SR: N	Co Stan	

Form NIS-2, 19 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-2	Page 2 of 2

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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 $\underline{REPLACEMENT}$ conforms to the rules on the ASME Code, Section XI.
Signed <u>Cattle</u> Sr. speiality Supr Date <u>3-3-</u> , 2000 Owner or Owner's Designee, Title Mal SUPI MATC/ PROX ENGR.
All and mining the thick
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 <u>MINNESDTA</u> and employed by <u>HSBIS</u> INS. Co. of <u>HARTFORD</u> CONN have inspected the components described in this Owner's Report during the period <u>3LD(4-26-96</u>) to 2.28 003 CD 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.
Inspector's Signature Commissions MN 174.49 National Board, Province and Endorsements
Date <u>March 3</u> , 2000
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	LO NUCLEA					3613	on 2	
	R	EPLACEM	ENTS - F	ORM NIS-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	2) information in	n items 1 thr	ough 6 on this	i report is	included on eached led at the top of	ch shee	et,
1. Owner _	Northern State			Date 3	/3/2000			
2. Plant _	Monticello Nuc	Name lear Generatin Name	g Plant	Sheet _1		of		
2807 W	. Hwy. 75, Mon		ota 55362	NGS-99	2175-01			
		dress				tion P.O. No., Jo	ob No.	etc.
3. Work Per	formed By N	SP		Type Cod	e Svmbo	I Stamp NA		
o. wonerer		Company I	Name	Authoriza	•			
Montice	llo,MN 55362			Expiration	Date	NA		
	Ad	dress						
4. Identifica	tion of System	ESW-V-AC-8	3A & 8B pipi	ing supports	F		-,_ ' - · -	
5. (a) Applica	able Constructi	ion Code <u>AN</u>	SI B 31.1	<u>,</u>		<u>1977</u> Year	Ec	lition
Adden	ida _ <i>W</i> 78			Code	Case _	NA		
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement	1986		•
	tion of Compor							
				r and topico	г		AS	
						Repaired,		de
Name of	Name of	Manufacturer	National	Other	Year	Replaced or	Stan	
Component	Manufacturer	Serial No.	Board No.	Identification	Built	Replacement	YES	NO
PipeSupport	NSP	DWR-H-1			1999	Replaced		\boxtimes
Pipe Support	NSP	DWR H-2			1999	Replaced		
Pipe support	NSP	DWR H-3			1999	Replaced		
Pipe Support	NSP	DWR H-6			1999	Replaced		\square
7. Description	on of Work <u>R</u>	eplaced ESW	piping supp	orts	<u>.</u>	· · · · · · · · · · · · · · · · · · ·		
8. Tests Co	nducted: Hv	drostatic	Pneur	natic 🔲	Nomin	al Operating Pr	essure	
		her 🗌 NA	Pressure		psi	Test Temp		°F
	ENT CHANGE, H			corporated.				
FOR ADMINI		sp Supv: MATE		c Ref: MATE		SR: N Fre	q: 0	yrs
USE O	· · · · · · · · · · · · · · · · · · ·	MS: 3613			Admin i			

Form NIS-2, 20 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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 <u>REPLACE MENT</u> conforms to the rules on the ASME Code, Section XI. repair/replacement
Signed Lattlehh, Sr. Specultys, Date 3-3-, 2000 Owner or Owner's Designee, Title Mal SUPT, 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 <u>MINNESOTA</u> and employed by <u>HSAIE/INS.CO</u> of <u>HARTFOR</u> <u>CONN</u> have inspected the components described in this Owner's Report during the period <u>36D (U-26-96)</u> to 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.
Inspector's Signature Commissions MN 174.99 Date March 3 2000

Form NIS-2, 21 of 27

MONTICEL	LO NUCLEA	R GENERATI	NG PLANT	7		3613		
TITLE:		ER'S REPO			OR	Revisio	n 2	
	R	EPLACEME	ENTS - FO	DRM NIS-2		Page 1	of 2	
pi fu NOTE 2: Si 8-	rogram, see 4 A irther guidance upplemental sh 1/2 in x 11 in. (2	WI-09.04.03 (A eets in form of 2) information in	SME SECTIC lists, sketch n items 1 thr	ON XI REPAIR/F es, or drawing ough 6 on this	REPLACE s may be report is	repair/replacen MENT PROGRA used, provided included on eac	.M) for (1) size ch shee	et,
			and the nun			ed at the top of	this for	rm.
1. Owner _	Northern State	s Power Co. Name		Date <u>3</u> /	/3/2000		<u></u>	
2. Plant _	Monticello Nuc		g Plant	Sheet 1		of		
2807 W	. Hwy. 75, Mon Ad		ota 55362	NGS-990 Repair C		a <i>nd 07</i> lion P.O. No., Jo	ob No.	etc.
	formed By <u>N</u> <i>IIo,MN 55362</i> Ad	SP Company I dress	Name	Type Cod Authorizat Expiration	ion No.	the second s		
4. Identifica	tion of System		Service Wat	er supports				
5. (a) Applica	able Constructi	on Code AN	SI B 31.1		J	1977 Year	Ec	dition
Adder	da <u>W 78</u>		<u>2. · · · · · · · · · · · · · · · · · · ·</u>	Code	Case _			
(b) Applica	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement _	1986		
6. Identifica	tion of Compor	nents Repaired	or Replace	d and Replace	ement Co	omponents		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement		ME ode nped NO
PipeSupport	NSP	SWH-297	Boundinor		1978	Replaced		\boxtimes
Pipe Support	NSP	<u>toSWH-310</u> SWH-297 to SWH-310			1999	Replacement		
Pipe support	NSP	SWH-315 to SWH-319			1978	Replaced		\boxtimes
Pipe Support	NSP	SWH-315 to SWH -319			1999	Replacement		
Capport								
7. Descripti	on of Work R	eplaced Emer	gencv Wate	er supports on	SW 30B	-3" piping.		
8. Tests Co		drostatic	Pneur			al Operating Pr	essure	
	•	her	Pressure	-	psi	Test Temp		- °F
3087 (DOCUM	ENT CHANGE, H		ENT FORM) ir	corporated:				
FOR ADMINI	STRATIVE Re	sp Supv: MATE	Asso	c Ref: MATE		SR: N Fre		yrs
USEO		MS: 3613		e: REF_ONLY	Admin i	nitials: Dat	ie:	

Form NIS-2, 21 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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 REPLACE MENT We certify that the statements made in the report are correct and this repair/replacement conforms to the rules on the ASME Code, Section XI. Signed <u>Auli/ICL Sr. Speichty</u> Date <u>3-3-</u>, <u>2000</u> Owner of Owner's Designee, Title MAL SUP, MATL/PROG FAGR 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 <u>MINNESOTH</u> and employed by HSBI 2 INS. Co of HARTEORD, CONN have inspected the components described in this Owner's Report during the period 3RD(4-26-98) to have 228 003 RD 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. Anwood Collan Commissions MN 17 4-99 Inspector's Signature National Board, Province and Endorsements Date March 3, 2000

Form NIS-2, 22 of 27

MONTICEL	LO NUCLEA	R GENERATI	NG PLAN	Τ		3613		
TITLE:	OWN	IER'S REPO	ORT FOR	REPAIRS	OR	Revisi	on 2	
	R	EPLACEMI	ENTS - F	ORM NIS-2		Page	1 of 2	
p		WI-09.04.03 (A				u repair/replace EMENT PROGRA		
8	-1/2 in x 11 in, (2	2) information i	n items 1 thr	ough 6 on this	report is	e used, provided included on ea led at the top of	ch she	et,
1. Owner	Northern State			Date 3/	/3/2000			
2. Plant	Monticello Nuc	Name	a Dlant	Sheet 1		of 2		
Z. Fidili –		Name	y riant	. Oneer		0/		
2807 W	. Hwy. 75, Mon		ota 55362	NGS-98				
	Ad	dress		Repair (Organiza	tion P.O. No., J	ob No.	etc.
3. Work Per	formed By <u>N</u>					I Stamp NA		
Martin	H- MALEFOOD	Company I	Name	Authorizat				·
Montiçe	IIo,MN 55362 Ad	dress		Expiration	Date _		······	
4. Identifica	tion of System		Service Wat	er supports				., .,
5. (a) Applic	able Constructi	on Code <u>AN</u>	SI B 31.1			1977	Eo	dition
Adder	nda W 78			Code	Case	Year NA		
(b) Applic	able Edition of	Section XI Litili	zed for Ren	airs or Replac	ement —	1986		
	tion of Compor							
		[[T	AS	ME
		_				Repaired,	1	de
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	YES	nped NO
PipeSupport	NSP	SWH-261 toSWH-273	Dealarte		1978	Replaced		
Pipe Support	NSP	SWH-261 to SWH-273			1999	Replacement		
7. Description	on of Work R	eplaced Emer	aency Wate	r supports on	SW 308	-3" pipina		• <u> </u>
•	-	·						
8. Tests Co	•	drostatic	Pneur			al Operating Pr	Coould	°F
	Ot	her 🗌	Pressure NA		psi	Test Temp		F
3087 (DOCUM	ENT CHANGE, H			corporated:	<u> </u>	· · · · · · · · · · · · · · · · · · ·		
FOR ADMINI	STRATIVE Re	sp Supv: MATE	Asso	c Ref: MATE		SR: N Fre		yrs
USE O		MS: 3613	Doc Typ	e: REF ONLY	Admin ir	nitials: Da	te:	
APPROVE	ED (Signatu	ires availat	ole in Ma	ster File)				

Form NIS-2, 22 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-2	Page 2 of 2

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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 <u>REPLACE MENT</u> conforms to the rules on the ASME Code, Section XI. repair/replacement
Signed <u>Kalit ICh Sr. Specialty Ey</u> Date <u>3-3-</u> , 2000 Owner or Owner's Designee, Title Mal SUPT, MATL/PRUX 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 <u>MINNESOTA</u> and employed by <u>HSREALINS.CO</u> of <u>HARTFORD</u> <u>CONN</u> have inspected the components described in this Owner's Report during the period <u>200(4-26-96</u>) to 2503 <u>CD</u> <u>INTERVA</u> 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.
Inspector's Signature Commissions MN 174.99 National Board, Province and Endorsements
Date March 3, 2000

Form NIS-2, 23 of 27

MONTICEL	LO NUCLEA	R GENERAT	ING PLAN	T		3613		
TITLE:	OWN	IER'S REPO	ORT FOR	REPAIRS	OR	Revisio	on 2	
	R	EPLACEM	ENTS - F	ORM NIS-2)	Page 1	l of 2	
p fu <u>NOTE 2:</u> S 8	rogram, see 4 A urther guidance upplemental sh -1/2 in x 11 in, (2	WI-09.04.03 (A leets in form of 2) information i	SME SECTIO lists, sketch n items 1 thi	DN XI REPAIR/I nes, or drawing ough 6 on this	REPLACE is may be report is	a repair/replacer EMENT PROGRA e used, provided included on ea led at the top of	AM) for (1) siz ch she	et,
1. Owner	Northern State				/3/2000	····		
2. Plant	Monticello Nuc		ig Plant	Sheet <u>1</u>		of _2		
2807 \/	. Hwy. 75, Mon	Name ticello Minnes	ota 55362	NGS-98	$\cap 045-00$	7 and 08		
2007 11		dress	012 00002			tion P.O. No., J	ob No.	etc.
	formed By <u>N</u> <i>Ilo,MN 55362</i> Ad	SP Company I dress	Name	Type Cod Authoriza Expiration	tion No.			· · · · · · · · · · · · · · · · · · ·
4. Identifica	tion of System	RHR service	Water					
5. (a) Applica	able Constructi	on Code <u>AN</u>	SI B 31.1			<u>1977</u> Year	Ec	dition
Adden	nda <u>W 78</u>			Code	Case _	NA		
(b) Applica	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement _	1986		
6. Identifica	tion of Compor	nents Repaired	or Replace	d and Replace	ement Co	omponents		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	AS Co Stan YES	de
PipeSupport	NSP	SWH-285 to SWH-296			1978	Replaced		\boxtimes
Pipe Support	NSP	SWH-285 to SWH-296			1999	Replacement		
Pipe Support	NSP	SWH-326			1978	Replaced		\boxtimes
Pipe support	NSP	SWH-326			1999	Replacement		\boxtimes
7. Descriptio	on of Work F	Replaced RHR	Service Ma	ter Sunnly line	nine	<u> </u>	L	
•						al Operating Pr		
o. Tests Co	8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F							
			NA					
3087 (DOCUME	ENT CHANGE, HO							
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APPROVED (Signatures available in Master File)

Form NIS-2, 23 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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
	tify that the statements made in the report are correct and this <u>REPLACE MENT</u> ns to the rules on the ASME Code, Section XI. repair/replacement
Signed	Ralit (chr. Sr. Speially Date 3-3-, 2000 Owner or Owner's Designee, Title Mal SUPT MATLS/PROGENGE.
Inspect <u>HSR</u> inspect % <u>03 R C</u> examin	ors and the State or Province of <u>MINNESOTH</u> and employed by $T \in NS$. Co. of <u>HARTFORD</u> , <u>CONN</u> have d the components described in this Owner's Report during the period <u>360 (4-26-9 g)</u> to <u>INTERVAL</u> and state that to the best of my knowledge and belief, the Owner has performed ations and taken corrective measures described in this Owner's Report in accordance with the
Inspect inspect inspect inspect examin required By sign concerr the Insp	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse ors and the State or Province of <u>MINNESOTA</u> and employed by T.S. C.D. of <u>HARTFORD</u> , <u>CONN</u> have
Inspect inspect inspect inspect examin required By sign concerr the Insp	Indersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesses ors and the State or Province of <u>MINNESOTA</u> and employed by $T \in INS$. <u>Co</u> . of <u>HARTFORD</u> , <u>CONN</u> . have de the components described in this Owner's Report during the period <u>320 (4-26-9)</u> to <u>INTERVAL</u> and state that to the best of my knowledge and belief, the Owner has performed ations and taken corrective measures described in this Owner's Report in accordance with the ments of the ASME Code, Section XI. ing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied ning the examinations and corrective measure described in the Owner's Report. Furthermore, neither bector nor his employer SHALL be liable in any manner for any personal injury of property damage of

Form NIS-2, 24 of 27

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the second s	LO NUCLEA					3613		
TITLE:		IER'S REPO				Revisi		
	R	EPLACEM	ENTS - F	ORM NIS-2	, , 	Page 7	l of 2	
p fu	rogram, see 4 A urther guidance	WI-09.04.03 (A)	SME SECTIO	ON XI REPAIR/I	REPLACE	a repair/replacer EMENT PROGRA used, providec	AM) for	e is
	-1/2 in x 11 in, (2 nd (3) each she	2) information in et is numbered	n items 1 thr and the nur	ough 6 on this nber of sheets	report is is record	included on ea led at the top of	ch she this fo	et, rm.
1. Owner	Northern State			Date <u>3</u>	/3/2000			
2. Plant	Monticello Nuc		g Plant	Sheet 1		of _2		
2807 W	. Hwy. 75, Mon	Name ticello. Minnes	ota 55362	NGS-990	2175-04	and 05		
		dress				tion P.O. No., J	ob No.	etc.
3. Work Per	rformed By N	SP		Type Cod	e Symbo	Stamp NA		
		Company	Name	Authorizat				
Montice	IIo, MN 55362	draga	<u></u>	Expiration	Date _	NA		
		dress						
4. Identifica	tion of System	Emergency	Service Wat	er Supports.				
5. (a) Applic	able Constructi	on Code <u>AN</u>	SI B 31.1			<u>1977</u> Year	Eo	dition
Adder	nda <i>W</i> 78			Code	Case	NA		
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement	1986		
	tion of Compor		-					
0. Identifica						T	AS	N 417
						Repaired,		ode
Name of		Manufacturer		Other	Year	Replaced or		nped
Component	Manufacturer	Serial No. SWH-274 to	Board No.	Identification	Built	Replacement	YES	NO
PipeSupport	NSP	SWH-283			1978	Replaced		
Pipe Support	NSP	SWH-274 to SWH-283			1999	Replacement		
7. Descripti	on of Work F	Replaced Emer	gency Servi	ice Water Sup	ports on	SW 30B-3" pipi	ing.	<u></u>
8. Tests Co		drostatic	Pneur			al Operating Pr		
0. 109000	-	her	Pressure		psi	Test Temp		°F
	0		NA		ho.		- <u></u>	· '
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FOR ADMINI	STRATIVE Re	sp Supv: MATE	Asso	c Ref: MATE		SR: N Fre		yrs
USE O		MS: 3613	Doc Typ	e: REF ONLY	Admin i	nitials: Da	te:	

Form NIS-2, 24 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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.
Signed <u>Rowtitch Sv Specially Enjoren</u> Date <u>3-3-</u> , 2000 Owner or Owner's Designee, Title Man SVPT, MATL/PROX 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 <u>MINNESOTA</u> and employed by <u>HSAT & INS.</u> <u>(0)</u> of <u>HARTFOR</u> <u>CONN</u> have inspected the components described in this Owner's Report during the period <u>3RD (4-26-98</u>) to 228 <u>W3LR INTERVAL</u> 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.
Inspector's Signature Commissions MN 174.99 National Board, Province and Endorsements
Date <u>March 3</u> , 2000

Form NIS-2, 25 of 27

MONTICEL	LO NUCLEA	R GENERATI	NG PLAN	Т	·	3613		
TITLE:	TITLE: OWNER'S REPORT FOR REPAIRS OR					Revisio	on 2	
		EPLACEM				Page 1	of 2	
p fu <u>NOTE 2:</u> S 8	rogram, see 4 A urther guidance upplemental sh -1/2 in x 11 in, (2	WI-09.04.03 (A	SME SECTIC lists, sketch n items 1 thr	ON XI REPAIR/F les, or drawing rough 6 on this	s may be report is	a repair/replacen EMENT PROGRA e used, provided s included on ea	M) for (1) siz ch shee	ət,
а	nd (3) each she	et is numbered	and the nur	nber of sheets	is record	ded at the top of	this fo	rm.
1. Owner	Northern State	es Power Co. Name	-	Date <u>3</u> /	/3/2000			
2. Plant	Monticello Nuc		g Plant	Sheet <u>1</u>		of		
2807 W	. Hwy. 75, Mon		ota 55362	NGS-990	2175-03			
		dress				tion P.O. No., J	ob No.	etc.
3. Work Performed By <u>NSP</u> Company Name <u>Monticello, MN 55362</u> Address				Authorizat Expiration	ion No.			
4. Identifica	tion of System	Emergency	Service Wat	er Supports.			<u></u>	
5. (a) Applic	able Construct	on Code <u>AN</u>	SI B 31.1			<u>1977.</u> Year	Ec	dition
Adder	nda <u>W 78</u>			Code	Case _	NA		
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement _	1986		
6. Identifica	ition of Compor	nents Repaired	or Replace	d and Replace	ement C	omponents		
Name of Component	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built	Repaired, Replaced or Replacement		ME ode nped NO
PipeSupport	NSP	SWH-320 to			1978	Replaced		
Pipe Support	NSP	SWH-324 SWH-320 to SWH-324			1999	Replacement		\boxtimes
· · · · · · · · · · · · · · · · · · ·								
· · · · · · · · · · · · · · · · · · ·								
7. Descripti	on of Work F	Replaced Emer	aency Servi	ice Water Sup	norts			
8. Tests Co	onducted: Hy	vdrostatic	Pneur Pressure NA	natic 🗌		al Operating Pro	essure	°F
3087 (DOCUM	ENT CHANGE, H			corporated:	·			
FOR ADMINI USE O	STRATIVE Re	sp Supv: MATE	Asso	c Ref: MATE	Admini	SR: N Fre		yrs
	I AR	MS: 3613	Doc Typ	e: REFONLY		innais. <u>1</u> Dai		

Form NIS-2, 25 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-2	Page 2 of 2

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

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

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				e report are Section XI.		ind this	RI	ĒP	AC repair/	replac	<u>1En</u> ement	<u>'</u> T
Signed	Rulis J	Wh Owner o M M	Sr· Owner's [Sprie Designee, Ti Supt , MA	chty itle ts/Pr	Engr 204 jär	Date	3		3 ~	······	Zvoč
							<u></u>				<u> </u>	
the un	tersigned	holding a v							Boile	and I	Pressui	e Vesse
Inspector HS inspected %- <u>003RP</u> examinat	rs and the complete of the com	ne State (NS. ponents des 2VAL and	ralid comm or Provin <u>CO</u> scribed in t state that ective mea	ission issue ce of his Owner's to the best sures desc	ed by the <u>MINN</u> of Report of my kr	Nationa IESO HA during the nowledge	I Boar A A P P P P P P P P P P P P P P P P P	rd of FOI iodz	ک f, the	and <u>Con</u> <u>(9-</u> Owner	empl JN 26-9 has p	byed by hav (C) to erformed
Inspector inspected Southeast examinat requirem By signin concernin the Inspe	rs and the complete of the com	taken corr ASME Coord ficate neith minations a s employer	ralid commor or Provin <u>CO</u> . Scribed in the state that ective mea- le, Section er the Insp nd correction SHALL be	ission issue ce of his Owner's to the best sures desc	d by the <u>MINN</u> of Report of my kr ribed in is emplo describ ny manne	A Nationa P So 1 J A during the nowledge this Ow yer make ed in the er for any	I Boar A A De per and I ner's es any Owne	rd of For iod 2 belie Rep war	the ort in ranty,	and Cor Owner accor expre	empl 26-9 has p dance ssed of	erformed with the implied e, neithe
Inspector inspected Southeast examinat requirem By signin concernin the Inspe	rs and the complete of the com	taken corr ASME Coord ficate neith minations a s employer	ralid commor or Provin <u>CO</u> . Scribed in the state that ective mea- le, Section er the Insp nd correction SHALL be	ission issue ce of this Owner's to the best sures desc XI. pector nor hi ve measure liable in an ed with this i	ed by the <u><i>MINN</i></u> of Report of my kr ribed in is emplo describ by manne inspectio	A Nationa P So 1 J A during the nowledge this Ow yer make ed in the er for any	I Boar A 2 a a a n e a n e a n d b a n d b a n d b a n d b a n d b a n d b a n d b a n d b a n d b a n d b a n d b a n d b a n d b a n d b a n d b a n d b b a n d b b c b c b c c c c c c c c	d of iod 2 belie Rep war er's F	t, the ort in ranty, teport njury	and <u>Cor</u> Owner accor expre- Furth of prop	empl 26-9 r has p dance ssed of hermore perty da	byed by haven erformed with the implied amage of

Form NIS-2, 26 of 27

							, 	
MONTICEL	ELLO NUCLEAR GENERATING PLANT						3613	
TITLE:	OWN	ER'S REPO	ORT FOR	REPAIRS	OR	Revisio	Revision 2	
	R	EPLACEME	ENTS - FO	ORM NIS-2		Page 1	of 2	
р fı	program, see 4 AWI-09.04.03 (ASME SECTION XI REPAIR/REPLACEMENT PROGRAM) for further guidance.							
8	Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 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 State		Date 3	/10/2000				
2. Plant	Monticello Nuc	and the second se	g Plant	Sheet 1		of		
2807 W	. Hwy. 75, Mon	Name ticello, Minnes	ota 55362	Procedu				
		dress		Repair (Organiza	tion P.O. No., J	ob No. et	iC.
3. Work Per	formed By <u>N</u>					I Stamp <u>NA</u>		
Montice	llo, MN 55362	Company N	Name	Authoriza Expiration			<u>. </u>	<u> </u>
Montico		dress						
4. Identifica	tion of System	Inboard Mair	n Steam Isol	ation Valve A	0-2-80D		<u></u>	
5. (a) Applic	able Constructi	on Code <u>AN</u>	SI B 31.1			<u>1967</u> Year	Editi	ion
Adder	nda <u>NA</u>			Code	Case _	NA		
(b) Applic	able Edition of	Section XI Utili	zed for Repa	airs or Replac	ement _	1986		
6. Identifica	tion of Compor	ents Repaired	or Replace	d and Replace	ement Co	omponents		
Name of	Name of	Manufacturer	National	Other	Year	Repaired, Replaced or	ASME Code Stampo	е
Name of Component	Manufacturer	Serial No.	Board No.	Identification	Built	Replacement		NO
Bonnet studs & Nuts	Atwood & Morrill	-	-	-	1969	Replaced		\boxtimes
Bonnet studs & Nuts	Atwood & Morrill	-	-		1999	Replacement		\boxtimes
31003 @ 11013	montai							
	· · · ·							
7. Descripti	on of Work R	eplaced Six(6)	bonnet stud	is and eight(8) bonnet	nuts.		
8. Tests Co		drostatic	Pneur			al Operating Pr	essure	
	-	her 🛛	Pressure	1000	psi	Test Temp	70	°F
	ENT CHANGE, H		ENT FORM) in	corporated:				
FOR ADMINI	STRATIVE Re	sp Supv: MATE		c Ref: MATE		SR: N Fre	iq: 0 y	yrs
USE O		MS: 3613	Doc Typ		Admin i	nitials: Da	te:	

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MONTIC	3613	
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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 <u>REPLACE MENT</u> conforms to the rules on the ASME Code, Section XI. repair/replacement
Signed Low's Clar Sr. Specially Ergr Date 3-10-, 2006 Dwner or Owner's Designee, Title SUPF, MATUS) 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 <u>MINNESOTA</u> and employed by <u>HSBI & INS. CO</u> of <u>HART FORD</u> (oNN have inspected the components described in this Owner's Report during the period <u>$4-26-98$</u> to <u>2-28-2000</u> , 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.
Inspector's Signature Commissions NB8524 National Board, Province and Endorsements
Date 13. 2000

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						Pominik		
	ELLO NUCLEAR GENERATING PLANT 3613 OWNER'S REPORT FOR REPAIRS OR Revision 2							
TITLE:	OWN	IER'S REPO	ORT FOR	REPAIRS	OR	Revisio	on 2	
	REPLACEMENTS - FORM NIS-2 Page 1 of 2							
P	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.							
8	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 State	es Power Co.	-	Date 3,	/28/2000	·		
		Name	Dise		,	-f 0		
2. Plant		clear Generatin Name	g Plant	Sheet <u>1</u>		of		
2807 W	. Hwy. 75, Mor		ota 55362	WO 9803	3745			
		dress				tion P.O. No., J	ob No.	etc.
3. Work Pe	rformed By N	ISP		Type Cod	e Symbo	I Stamp NA		
o. workte		Company I	Name	Authorizat	•			
Montice	ello, MN 55362			Expiration		fra-		
	Ad	dress		•				
4. Identifica	tion of System	RHR Servic	e Water Sy	stem		·····		
5. (a) Applic	able Construct	ion Code <u>AN</u>	SI B 31.1		······································	<u>1977</u> Year	Ec	dition
Adder	nda Winter 1	978		Code	Case _/			
(b) Applic	able Edition of	Section XI Utili	zed for Rep	airs or Replac	ement	1986		
6. Identifica	tion of Compor	nents Repaired	or Replace	d and Replace	ement Co	omponents		
						Repaired,	AS Co	ME de
Name of	Name of	Manufacturer	National	Other	Year	Replaced or		nped
Component	Manufacturer	Serial No.	Board No.	Identification	Built	Replacement	YES	NO
Pump	Johnston	PG2263	-	#12 RHRSW	1974	Repair		
·····	· · · · · · · · · · · · · · · · · · ·							
7. Descripti	7. Description of Work Weld repair on spare RHRSW pump bowls 1,2,3,5,6,7& Discharge case.							
8. Tests Co	nducted: Hv	drostatic	Pneur	natic	Nomina	al Operating Pro	essure	
	-	her 🕅	Pressure		psi	Test Temp		°F
	01					· • • • • • • • • • • •		·
3087 (DOCUM	ENT CHANGE, HO		NT FORM) in	corporated:				7
FOR ADMINI		sp Supv: MATE		c Ref: MATE		SR: N Fre	q: 0	yrs
USE ONLY ARMS: 3613 Doc Type: REF ONLY Admin initials: Date:								

Form NIS-2, 27 of 27

MONTIC	ELLO NUCLEAR GENERATING PLANT	3613
TITLE:	OWNER'S REPORT FOR REPAIRS OR	Revision 2
	REPLACEMENTS - FORM NIS-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 COMPLIAN We certify that the statements made in the report are correct and this conforms to the rules on the ASME Code, Section XI.	0-00-0
Signed <u>Lettling</u> Sr. Speechty En Owner or Owner's Designee, Title	Date 3-28-, 2000 L Supt, Marily Prece Enick
CERTIFICATE OF INSERVICE INSP I, the undersigned, holding a valid commission issued by the Nation Inspectors and the State or Province of	hal Board of Boiler and Pressure Vessel and employed by 4 - 26 - 97 have the period $4 - 26 - 97$ to ge and belief, the Owner has performed owner's Report in accordance with the kes any warranty, expressed or implied,
the Inspector nor his employer SHALL be liable in any manner for an a loss of any kind arising from or connected with this inspection. <u>Aultoffold</u> Inspector's Signature Date <u>41312000</u> ,	
·	

Northern States Power Inservice Inspection

APPENDIX A

Interval 3, Period 3 Inspections

Listed by Code Class & ISO Number

14 Pages

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

Summary No.	System	ISO Number	Component ID	Component Description	Category	<u>ltem</u>	Procedure	Method	Exam Date	Report #	Results	<u>Comments</u>
							. <u></u>					
CLASS_1									0400000	2000/085	NAD	
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		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		
100398	Rx Ves Head Cooling	ISI-13142-20-C	H- 1	Strut / Clamp	F-C	F-AB,C	ISI-VT-2.0	٧T	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	ਾ	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	ហ	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
					1		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	ហ	2/5/2000	2000U111	NAD	
100441	cole opicy D						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	
100400	Core opicy D					1	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	МТ	1/20/2000	2000M048	NAD	
100302							ISI-UT-1	ਿਯ	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	<u>ν</u>	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	<u>т</u>	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	<u>ν</u> τ	2/12/2000	2000V225	NAD	PSI
100574	Main Steam A	101-101-2-00-74					ISI-VT-1.0	T vτ	1/21/2000	2000V087	NAD	PSI
100575	Main Steam A	ISI-13142-33-A	B-10	Valve Bolts	B-G-2	87.70	ISI-VT-1.0	VT	2/12/2000	2000V224	NAD	PSI
100575	Main Steam A	101-101-2-00-A		Valite Delle			ISI-VT-1.0	VT	1/21/2000	2000/086	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	
	Main Steam A	ISI-13142-33-A	H-5	Spring / Clamp	F-C	F-A.B.C	1	VT	1/8/2000	2000/045	NAD	1
100581 100582	Main Steam A	ISI-13142-33-A	H-6	Snubber / Clamp	F-B	F-A,B,C		VT	1/11/2000	2000V030	IND	Missing spacers. Corrected under CR 20000482 & CR 20000569.

Summary No.	System	ISO Number	Component ID	Component Description	Category	<u>ltem</u>	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		Built-in spacers acceptable per CR 20000482 and CR 20000569.
							ISI-VT-2.0	VT	1/26/2000	2000V139	IND	PSI, Fully extended piston corrected under CR 20000482.
							ISI-VT-2.0	VT	1/28/2000	2000V164	NAD	PSI
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	ர	1/9/2000	20000010	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			1		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	ហ	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	ŬΤ	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
					1		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-1LSD	Nozzle-to-Safe End	B-J	B9.10	ISI-UT-1	ਾ	1/8/2000	2000U006	NAD	
					1		ISI-MT-1	MT	1/8/2000	2000M011	NAD	
100640	Main Steam B	ISI-13142-34-A	W-2LSU	Safe End-to-Elbow	B-J	B9.10	ISI-UT-1	ហ	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	ਾ	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	BJ	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	
	1						ISI-UT-1	ਾ	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	ντ	1/10/2000	2000V051	IND	Loose bolt, threads not burred. Corrected under CR 2000482.
							ISI-VT-2.0	र प	2/7/2000	2000V188	NAD	PSI

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.
					1	1	ISI-VT-2.0	٧T	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-1LSD	Nozzle-to-Safe End	B-J	B9.10	ISI-UT-1	UT	1/8/2000	20000007	NAD	
							ISI-MT-1	MT	1/8/2000	2000M013	NAD	
100748	Main Steam D	ISI-13142-36-A	W-2LSU	Safe End-to-Elbow	B-J	B9.10	ISI-UT-1	UT	1/8/2000	20000008	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	ਾ	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	ហ	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	VΤ	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	υτ	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	٧T	1/26/2000	2000V144	NAD	PSI
101367	Reactor Wtr Cleanup	ISI-73880-A	W-2LSU	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-4LSU	Pipe-to-Elbow	B-J	B9.10	ISI-UT-1	ਾ	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	ப	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
		1					ISI-UT-1	ர	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	ਾ	1/24/2000	2000U100	GEO	PSI
							ISI-MT-1	MT	1/21/2000	2000M067	NAD	PSI
				1			ISI-MT-1	MT	1/24/2000	2000M063	NAD	PSI

Summary No.	System	ISO Number	Component ID	Component Description	Category	<u>Item</u>	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	ហ	1/24/2000	2000U093		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 Cntri	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	νī	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		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	VТ	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	ហ	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	٧T	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.
		1					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	ਾ	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	РТ	1/9/2000	2000P003	NAD	
						1	ISI-UT-16	ர	1/10/2000	2000U024	NAD	· · · · · · · · · · · · · · · · · · ·

Summary No.	System	ISO Number	Component ID	Component Description	Category	ltem	Procedure	Method	Exam Date	Report #	Results	Comments
101888	RHR Return A	IS1-97003-A	W-29 LS U&D	Elbow-to-Pipe	B-J	B9.10	ISI-UT-16	ਾ	1/15/2000	2000U055	NAD	
		1					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	VΤ	1/12/2000	2000V028	NAD	PSI
							ISI-VT-2.0	VT	1/15/2000	2000\/059	IND	Spherical bearing offset, corrected per CR 20000482.
							ISI-VT-2.0	VΤ	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	<u>ர</u>	1/11/2000	2000U051	NAD	
101941	RHR Return B	ISI-97004-A	W-2	Pipe-to-Pipe	B-J	B9.11	ISI-UT-1	ਹਾ	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	IS1-97004-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	ர	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	BJ	B9.10	ISI-UT-16	ர	1/8/2000	2000U004	NAD	
							ISI-PT-1	РТ	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	
					1		ISI-PT-1	PT	1/8/2000	2000P002	NAD	

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

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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	2000\/058	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	ਾ	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	PSI
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	ா	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	ਾ	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	
IULLU						1	ISI-UT-1	ர	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	ர	1/14/2000	20000053	NAD	
102377	Reactor Vessel	ISI Fig 1	N-6B NV	N- 6B Noz/Head Weld	B-D	B3.90	ISI-UT-3A	ர	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	РТ	1/13/2000	2000P008	NAD	
102397	CRD Housings	ISI Fig 2	02-31 (Upper)	CRD Housing Weld	B-0	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	<u></u> υτ	1/10/2000	2000U015	NAD	

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					1							
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	ர	1/10/2000	2000U023	NAD	Limited exam, 55% coverage
							ISI-UT-3A	ਾ	1/10/2000	2000U049	NAD	Limited exam, 55% coverage
102626	Reactor Vessel	ISI Fig 3	W-2	B.H. Dollar PI L.S.	B-A	B1.22	ISI-UT-3A	ப	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	ਯ	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	ர	2/4/2000	2000U113	NAD	Limited UT exam, 61% coverage
							ISI-UT-3A	ਾ	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	ர	1/9/2000	2000U001	NAD	
102678	Reactor Vessei	ISI Fig 5	N- 3B NV	N- 3B Vsl/Noz Weld	B-D	B3.90	ISI-UT-3A	ਾ	1/9/2000	2000U031	NAD	Limited UT exams, 61% coverage
102010							ISI-UT-3A	υτ	1/9/2000	2000U032	NAD	Limited UT exams, 61% coverage
							ISI-UT-3A	ਿਯ	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	ப	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	<u> </u>	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		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	ர	1/11/2000	2000U019	NAD	T
							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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102690	Reactor Vessel	ISI Fig 5	N- 4D NV	N- 4D Noz/Vsl Weld	B-D	B3.90	ISI-UT-3A	ហ	1/11/2000	2000U016	NAD	Limited UT exams, <90% coverage
							ISI-UT-3A	ហ	1/11/2000	2000U017	NAD	Limited UT exams, <90% coverage
							ISI-UT-3A	ហ	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	ហ	1/11/2000	2000U020	NAD	
102692	Reactor Vessel	ISI Fig 5	N- 5A NV	N- 5A Noz/Vsi Weld	B-D	B3.90	ISI-UT-3A	ហ	1/11/2000	2000U035		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		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 Framatorne 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	ντ	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	vr	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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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	2000V096	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	ντ	2/10/2000	2000V207	NAD	PSI
CLASS 2	· ·	[1		l
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		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	ហ	1/26/2000	2000U098	NAD	
100100	HPCI Water Side Sctn	ISI-13142-17-B	H- 3	Restraint	F-B	F-A,B,C	ISI-VT-2.0	VT	1/7/2000	2000/008	NAD	Lack of thread engagement, Acceptable per NCI 91-036
100101	HPCI Water Side Sctn	ISI-13142-17-B	H- 4	Restraint	F-B	F-A,B,C	ISI-VT-2.0	VΤ	1/7/2000	2000V009	NAD	Baseplate gap, Acceptable per NCI-043
100115	HPCI Water Side Sctn	ISI-13142-17-B	W-14	Pipe-to-Tee	C-F-2	C5.51	ISI-UT-1	ப	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	<u>c-c</u>	C3.20	ISI-VT-2.0	VT	1/21/2000	2000V091	NAD	
					1	1	ISI-MT-1	MT	1/22/2000	2000M044	NAD	
100135	RHR Suction B	ISI-13142-17-C	H- 8	Dbl Spr / Half Clamp	<u>c-c</u>	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	ਾ	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	ਾ	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	2000/005	NAD	

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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		VT	2/12/2000	2000V212		PSI
							ISI-VT-2.0	VT	1/24/2000	2000/090	NAD	PSI, spacers installed
100265	HPCI Steam Disch	ISI-13142-19-A	H-3	Dbl Spring / 4 Lugs	ငင	C3.20	ISI-VT-2.0	VT	2/7/2000	2000V195	IND	Missing cotter pin, load out of tolerance, botts 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	VΤ	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
					1		ISI-VT-2.0	VT	2/8/2000	2000V198	NAD	PSI
100272	HPCI Stearn 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	ப	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	
	, ,				1		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	
			ļ			1	ISI-UT-1	ர	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	ப	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	ப	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	ਯ	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	υτ	2/5/2000	2000U110	NAD	
				1			ISI-MT-1	MT	2/5/2000	2000M068	NAD	

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	TA	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	Dbl Strut / Clamp	F-8	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	
					1		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	ហ	1/21/2000	20000090	GEO	
100875	HPCI Water Side Dsch	ISI-13142-40-A	H-1	Spring / Clamp	F-C	F-A,B,C		VT	1/7/2000	2000V001	NAD	
100876	HPCI Water Side Dsch	ISI-13142-40-A	H- 2	Box Restraint	F-8	F-A,B,C		VT	1/7/2000	2000\/006	NAD	
100879	HPCI Water Side Dsch	ISI-13142-40-A	H- 5	Snubber / Clamp	F-B	F-A,B,C		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		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	2000/002	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	<u> </u>	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-8	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	2000/057	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	
1010330	HPCI Steam	ISI-13142-42-A	W-18	Valve-to-Tee	C-F-2	C5.51	ISI-UT-1	ਾ	1/25/2000	2000U097	GEO	PSI
151510							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

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		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	٧T	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	ហ	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	ហ	1/10/2000	2000U012	NAD	
101208	Feedwater	ISI-13142-52-A	W- 2	Tee-to-Pipe	C-F-2	C5.51	ISI-UT-1	ហ	1/10/2000	2000U013	NAD	
101209	Feedwater	ISI-13142-52-A	W- 3	Pipe-to-Pipe	C-F-2	C5.51	ISI-UT-1	ហ	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	ហ	1/19/2000	2000U070	NAD	
101262	Feedwater	ISI-13142-53-A	W- 3	Pipe-to-Pipe	C-F-2	C5.51	ISI-UT-1	ហ	1/19/2000	2000U060	NAD	
101594	RHR Heat Exchanger A	ISI-7905-32A	N- 1	Shell-Pad-Noz	С-В	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-8	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°	<u>c-c</u>	C3.10	ISI-MT-1	MT	1/17/2000	2000M036	NAD	
			1				ISI-VT-2.0	VT	1/17/2000	2000V073	NAD	
101607	RHR Heat Exchanger B	ISI-7905-32B	Support B	Support B,E200B 180°	<u>c-c</u>	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	ர	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	ហ	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	٧T	1/31/2000	2000V147	NAD	
101685	HPCI Pumps	ISI-8292-42A	DVMX Supp D	DVMX Pump Support	F-B	F-A,B,C		VT	1/31/2000	2000V148	NAD	
101713	CRD Scram Header A	ISI-93268-1A	H-12	Strut / Clamp	F-B	F-A,B,C		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	

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Summary No.	System	ISO Number	Component ID	Component Description	Category	Item	Procedure	Method	Exam Date	Report #	Results	Comments
CLASS 3												
102228	RHR SERVICE WATER	ND-ISI-100	SWH-180	Clevis	F-B	F-A,B,C	ISI-VT-2.0	vī	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		1			ISI-VT-2.0	٧T	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-151-101	SR-81	Seismic Restraint	F-B	F-A,B,C	ISI-VT-2.0	VΤ	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-151-102	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	VТ	2/16/2000	2000V265	NAD	PSI
102250	RHR Service Water	ND-1SI-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-8	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	VΤ	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-151-106		· · ·			ISI-VT-2.0		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	1
102291	RHR SERVICE WATER	ND-ISI-107	SWH-8	Dead Weight Support	F-B	F-A.B.C	ISI-VT-2.0	<u></u>	12/13/1999	1999V013	NAD	

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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		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-8	F-A,B,C	ISI-VT-2.0	vī	12/13/1999	1999\/009		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	Basepiate 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-1S1-109	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 Ctri	ND-151-144	SS-211	Snubber	F-B	F-A,B,C	ISI-VT-2.0	VT I	12/13/1999	1999V016	NAD	PSI
	Combustible Gas Ctrl	ND-151-144					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-8	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.

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Interval 3, Period 3

List of Section XI VT-2 Examinations

Test Number	Туре	System	Results
0255-02-ПА-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-ПА-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

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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:

Component	Scope of Work	Inspection Technique
Guide Rod Brackets	Bracket to Vessel Wall	VT-3
(2)	Upper Guide Rod Bracket	VT-3
	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
Jet Pump Assemblies (20)	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

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Examination Scope (continued)

Component	Scope of Work	Inspection Technique
	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	Sensing Line Attachment Welds to Brackets	V T-1
(20)	Bracket to Diffuser Welds	VT-1
Core Spray Header	Header Piping Brackets to Vessel Wall	VT-1
Brackets	Bracket Bolt Head Tack Welds	VT-1
(4)	General Condition of Brackets	VT-3
	Clamp Assemblies on Tee Box Junctions	VT-1
Core Spray Headers (2)	Flaw at 90° Tee Box for Crack Extension	EVT-1
and Downcomers (4)	Welds P5, P6, P7, P8a, P8b on all 4 Downcomers, and P4a, P4b, P4c, P4d on "A" Downcomer (13°)	EVT-1
	Tee Box Cover Plate (S1), Sparger Branch Welds to Tee Box (S2), Sparger End Caps (S4)	EVT-1
Core Spray Spargers (4)	Mounting Brackets and End Brackets (SB)	VT-1
	Nozzle Welds (S3a, S3b)	EVT-1
	Spargers	VT-3
	Accessible Nozzle Bore and Inner Radius Areas (After Cleaning)	VT-1
	Sparger Welds	VT-1
Feedwater Spargers	Nozzle Welds	VT-1
(4)	Spargers	VT-3
	End Bracket Pins and Welds	VT-1
	End Bracket Welds	VT-1
	Bracket to Vessel Wall Welds	VT-3

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Examination Scope (continued)

Component	Scope of Work	Inspection Technique
Surveillance Sample	Upper Mounting Bracket and Weld to Vessel	VT-1
Holders (3)	Lower Mounting Bracket and Weld to Vessel	VT-1
	Condition of Sample Holder	VT-3
	Ring Bolts (80 Total)	VT-1
	Hold Down Latches	VT-1
Top Guide	Rim Welds at 4 Locations Adjacent to Guide Blocks	EVT-1
	Guide Blocks and Aligner Pins	VT-3
Steam Dryer Support	Bracket to Vessel Wall Welds	VT-3
Brackets (4)	Condition of Dryer Seating Surface	VT-1
	Core Plate Support Ring at 65°, 185°, and 305°	EVT-1
Core Shroud and Shroud	H8 and H9 Welds at Manway Cover Areas	EVT-1
Support Plate	Access Hole Cover Plate Welds at 0° and 180°	VT-1
	Shroud SuppOrt Legs (14)	VT-3
	Attachment Welds to RPV Head	VT-3
Steam Dryer Hold Down	Bracket Seating Surface	VT-3
Brackets (4)	General Condition of Hold Down Bracket	VT-3
Secondary Jet Pump	Pre-Sampling Inspection of Pad	EVT-1
Riser Brace Pads (4)	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

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Examination Scope (continued)

Component	Scope of Work	Inspection Technique
Steam Dryer	Accessible Surfaces of the Dryer From OD Looking for Obvious Degradation	VT-3
	Dryer Jacking Bolts	VT-1
	Core Plate Support Ring at 65°, 185°, and 305°	EVT-1
Core Shroud and Shroud	H8 and H9 Welds at Manway Cover Areas	EVT-1
Support Plate	Access Hole Cover Plate Welds at 0° and 180°	VT-1
	Shroud SuppOrt Legs (14)	VT-3
Steam Draver Hold Down	Attachment Welds to RPV Head	1 VT-3 VT-3
Steam Dryer Hold Down Brackets	Bracket Seating Surface	VT-3
(4)	General Condition of Hold Down Bracket	VT-3
Secondary Jet Pump	Pre-Sampling Inspection of Pad	EVT-1
Riser Brace Pads (4)	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

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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)

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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.

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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.

Installed Location	Date Installed	Size (kips)	Serial #	Date Tested	Test Results
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

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2000-RFO, Snubber Functional Test Results (continued)

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

Installed Location	Date Removed	Size (kips)	Serial #	Date Tested	Test Results
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 changeout 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.