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FEBRUARY 10, 1984 to January 12, 1985

REFUELING OUTAGE NO. 10

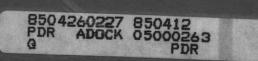
INSPECTION PERIOD 1

INTERVAL 2

NORTHERN STATES POWER COMPANY

Commerical Service Date: MINNEAPOLIS. MINNESOTA June 30, 1971

Report Date: March 27, 1985



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MONTICELLO NUCLEAR GENERATING PLANT

Monticello, Minnesota

UNIT I



INSERVICE INSPECTION - EXAMINATION SUMMARY MONTICELLO NUCLEAR GENERATING PLANT-UNIT I FEBRUARY 10, 1984 to January 12, 1985

REFUELING OUTAGE NO. 10

INSPECTION PERIOD 1

INTERVAL 2

NORTHERN STATES POWER COMPANY

Commerical Service Date: MINNEAPOLIS. MINNESOTA June 30, 1971

Report Date: March 27, 1985

NORTHERN STATES POWER COMPANY MONTICELLO NUCLEAR GENERATION PLANT - UNIT 1

INSERVICE INSPECTION-EXAMINATION SUMMARY MONTICELLO NUCLEAR GENERATING PLANT - UNIT 1 FEBRUARY 10, 1984 to JANUARY 12, 1985 REFUELING OUTAGE NO. 10 INSPECTION PERIOD 1 **INTERVAL** 2

Report Date: March 27, 1985

Prepared by: J. Schanen

Reviewed by

1 m.c. ./Dahlman,

Materials & Special Processes Specialist

Commerical Service Date: Approved by: June 30, 1971

Krause

G.T. Superintendent Materials & Special Processes .

INSERVICE INSPECTION - EXAMINATION SUMMARY MONTICELLO NUCLEAR GENERATING PLANT - UNIT 1 - INDEX -

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2.0 Inspection Summary

3.0 Discussion of Examination Plan

3.1 Inspection Boundary

3.2 Examination Procedures

3.3 Examination Methods

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5.0 Augmented Examinations

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Appendix A - ASME Class I Examination

Inservice Inspection - Examination Summary Tables:

Table S1.1	-	Reactor Vessel Welds
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Appendix B ASME Class II Examinations

Inservice Inspection - Examination Summary Tables:

Table S1.2 - Vessel Welds Table S2.2 - Nozzle Welds Table S3.2 - Support Members Table S4.2 - Pressure Retaining Bolting>2" Table S5.2 - Piping Pressure Boundary Table S6.2 - Pump Casings and Valve Bodies Table S7.2 - Pressure Retaining Components

Appendix C

Table I - Personnel Listing Table II - Ultrasonic Calibration Blocks Table III - Procedure Listing Table IV - Equipment and Materials

Appendix D

Form NIS-1, Owner's Data Report for Inservice Inspections

INSERVICE INSPECTION - EXAMINATION SUMMARY MONTICELLO NUCLEAR GENERATING PLANT - UNIT 1 FEBRUARY 10, 1984 to JANUARY 12, 1985

1.0 INTRODUCTION

This report is a summary of the Monticello Nuclear Generating Plant's Eleventh Inservice Inspection. This was the second inservice inspection to be conducted in inspection period one of the plant's second ten year interval. The examinations were performed during the tenth refueling outage from February 10, 1984 to January 12, 1985. The Monticello Nuclear Generating Plant began commerical operation on June 30, 1971.

The examinations were performed on pressure-retaining components and their supports of the reactor coolant and associated auxiliary systems classified as ASME Class I and ASME Class II.

2.0 INSPECTION SUMMARY

The evaluation of the results from the inservice examinations revealed several intergranular stress corrosion cracks in the weld heat affected zone of welds in the Residual Heat Removal and Jet Pump Instrumentation systems. Additional cracking on the Feedwater Sparger Flow Nozzles, attributed to thermal fatique was revealed during the visual examination of the reactor vessel interior. All items identified as containing cracks were subsequently replaced.

3.0 DISCUSSION OF EXAMINATION PLAN

3.1 Inspection Boundary

The examination plan focused on the pressure-retaining components and their supports of the reactor core coolant systems, portions of the emergency core coolant systems, and portions of the reactor coolant associated systems that are classified as ASME Class I and ASME Class II.

The examination plan was based on the examination requirements of the ASME Boiler and Pressure Vessel Code Section XI, 1977 Edition through and including the Summer, 1978 Addenda, and complied with Monticello's Technical Specification, Section TS4.15. The examination plan is in accordance with the program submitted to the United States Nuclear Regulatory Commission on March 27, 1981 titled, "ASME Code Section XI, Inservice Inspection and Testing Program".

3.2 Examination Procedures

A listing of the procedures used for the examinations is shown in Table III of Appendix C. The Ultrasonic examination procedure for pipe welds complied with the requirements of Appendix III of ASME Section XI that were issued in the Summer, 1978 Addenda. All other examination procedures complied with the requirements of the 1977 Edition through and including the Summer, 1978 Addenda of ASME Section XI.

3.3 Examination Methods

Ultrasonic examination methods and techniques were used to perform volumetric examinations. The ultrasonic test system consisted of an ultrasonic digital analog tester and a two channel strip chart recorder. One channel of the recorder was calibrated to reflect the ultrasonic screen height (amplitude) and the second channel was calibrated to reflect the metal path (range) to the reflector. This approach gives a permanent record of the examination to the extent possible.

Liquid penetrant and magnetic particle examination methods were used to perform the surface examinations. The liquid penetrant examinations were performed using color contrast-solvent removable materials. Magnetic particle examinations were performed using a yoke and dry powder.

All visual examinations were aided, when necessary, with artificial lighting and verified for adequacy with an 18% neutral gray card with a 1/32 inch black line. Cold hanger load settings were visually verified (when applicable) and recorded on the report along with the piping system temperature.

3.4 Equipment and Materials

All equipment and expendable materials used in the examinations are listed by either serial number or type along with their respective calibration date or batch number in Table IV or Appendix C.

The ultrasonic calibration standards used in the examinations are listed in Table II of Appendix C. These standards are owned and maintained by NSP at the plant site.

3.5 Personnel

Northern States Power Company contracted General Electric Company to perform the reactor vessel visual examinations; and Lambert, MacGill, Thomas, Inc. to perform the balance of plant examinations. Hartford Steam Boiler Inspection and Insurance Company, representing ANI, provided the Authorized Inspection.

All personnel involved in the performance or evaluation of examinations are listed along with their title, organization and ANST level of certification in Table I of Appendix C.

All ultrasonic Level II examiners performing examinations in accordance with NSP-UT-16 Rev. 0 on stainless steel piping were EPRI qualified in the detection of IGSCC. Level I examiners were required to demonstrate scanning and detection proficiency on site.

Qualification records for examination personnel are maintained on file by Northern States Power Company.

3.6 Evaluation

Any indications disclosed in the examinations were evaluated by the examiner at the time, in accordance with the rules of the procedure and ASME Section XI.

The Ultrasonic examiner was aided in his evaluation by a calibration performed on a standard reference before each day's examination and checked before and after each individual examination and at intervals not exceeding four (4) hours. In addition, the ultrasonic data was recorded on strip charts, which were made part of the inspection report and permitted further evaluation.

3.7 Examination Reports and Documentation

All examination reports and documentation are maintained on file by Northern States Power Company. Table I of Appendices A and B identifies the examination report number(s) for each item examined. Many of the items identify more than one examination report number because of the different types of examinations performed on the individual item. Table I of Appendices A and B summarizes all the examinations that have been performed to date and identifies the amount that will be performed to complete the Ten Year Examination requirements. For retrieval purposes, the prefix of the inspection report number corresponds with the year that the inspection was performed. The examination report numbers for this outage are prefixed with "84".

Table II of Appendices A and B compares the baseline examination results with the results obtained during the examinations. Table III of Appendices A and B identifies the isometric drawings that were used for the examinations. The personnel, ultrasonic calibration blocks, procedures, equipment and materials that were used for the inspections are identified in the tables of Appendix C. Appendix D contains the Form NIS-1, titled "Owners' Data Report for Inservice Inspections."

3.8 <u>Summary of Results</u>

The foll <u>System</u>	owing is a list Item I D	of all anomalies <u>Exam Method</u>	detected: <u>Type & No. of Indications</u>
Core Spray "A"	A014-13B CSAK-35 CSAK-31	VT VT VT	loose nut loose nut loose bolts
Core Spray "B"	CSP270-7 TWH-69 TWH-70 TWH-113	UT VT VT VT	1 spot indication loose bolt loose bolt loose bolt
HPCI Steam	PSAF-2C	PT	Arc strike
RHR	RHBF-20 RHCF-20 RHBJ-21 RHCJ-21 TWH-7 TWH-73 TWH-102	UT UT UT VT VT VT	1 spot Ind.,3 linear Ind. 2 spot Ind.,2 linear Ind. 2 linear Ind. Multiple spot indications loose bolt loose bolt loose nut
Rx Support Skirt	HCAH-2	MT	9 linears
Jet Pump Instrument Canister "B"	tation W#1	UT	Multiple axial indications
Head Vent	HVAK-21	VT	loose nut, bent rod hanger
Feedwater System	Spargers	VT	Crack Ind. on N4C & N4D
RHR Service Water	SWAK-25 SWAK-26 SWAK-34	VT VT VT	loose nut loose nuts loose nut

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All anomalies with the exception HVAK-21 were corrected. The bent rod hangar on HVAK-21 was evaluated and accepted as is. All loose nuts and bolts were tightened. The PT arc strike and MT linear indications were removed by surface blending with a hand grinder. All items containing UT indications except CSP 270-7 were replaced. CSP 270-7 was subsequently radiographed and the UT indication appeared to be a machining mark on the I.D. surface. This weld will be inspected in future outages. The feedwater spargers were also replaced after several crack indications were noted on two of the flow nozzles.

4.0 <u>Visual Examination of the Reactor Vessel Internals</u>

A visual examination was performed on portions of the rector vessel internal components utilizing an underwater TV camera, fiberscope, and a video recording system. The examinations were performed in accordance with Northern States Power Company's Procedure No. NSP-VT-4.0, Revision 0.

The examination procedure delineated the scope of the program and contained a separate appendix for each area to be examined. Each of the appendices contained a check-off list the examiners used during the examinations to identify areas examined and, abnormal conditions if found.

The examination program focused on the Core Spray Sparger System, Feedwater Sparger System, and the Shroud Support Welds. Examination areas for these systems included the following:

Tee junction box at 90° and 270°; piping and welds;
piping brackets and reclad area; sparger piping, nozzles, and brackets, and shroud penetrations.

Feedwater: Inner radius of vessel nozzles at 45°, 135°, 225° and 315°, sparger piping and welds, end brackets and bolting, reclad areas, end pin and keeper box, and the individual flow nozzles on each sparger.

Shroud Support Welds: Shroud support to shroud support, shroud support to shroud, and shroud support to bottom head welds.

General Electric Company was contracted to supply personnel to perform the examinations. There were two certified Level II Visual Examiners. One examiner was on the service platform and the other was on the refueling bridge. In addition a Northern States Power Company Level II was at the recording station. A video recording system was used to permanently document the abnormal conditions found during the examination, and to record system calibrations.

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No abnormal conditions were noted on the Core Spray Sparger System and the shroud support welds.

Abnormal conditions found on the Feedwater Sparger System consisted of the following:

Sparger N4C; Crack like indications on the 5th spray nozzle, left side of the tee box.

Sparger N4D; Crack like indications on the 6th, 7th, and 8th spray nozzles, left side of the tee box.

These crack like indications were confirmed to be cracks by direct visual examination after lowering the reactor vessel water level, and by liquid penetrant examination after the spargers were removed from the reactor vessel.

All examinations reports and documentation are included with the balance of plant records and are maintained on file by Northern States Power Company.

5.0 Augmented Examinations

Additional ultrasonic examinations, not in the examination plan for period 1, were performed to determine if Intergranular Stress Corrosion Cracking (IGSCC) existed in the 304 stainless steel and dissimilar metal welds not to be replaced during the 1984 outage. The systems examined were Jet Pump Instrumentation, Stand-by Liquid Control, Residual Heat Removal, High Pressure Coolant Injection, Head Vent and Core Spray.

These examinations determined the presence of IGSCC in the "B" and "C" loops of the RHR system and "B" Jet Pump Instrumentation. These welds along with "A" Jet Pump Instrumentation were subsequently scheduled for replacement during the outage. Although IGSCC was not found in the Standby Liquid Control safe end, the unloading of the reactor core for piping replacement provided an opportune time to replace this safe end.

6.0 **Piping Replacement**

In conjunction with the refueling outage, piping was replaced in the recirculation, Residual Heat Removal, Jet Pump Instrumentation, Reactor Water Clean-up and Stand-by liquid control systems. Additionally the Feedwater Spargers were also replaced.

Further information regarding piping replacement and baseline examinations can be found under separate cover entitled "Baseline Examination Summary".

APPENDIX A

ASME CLASS 1 EXAMINATIONS

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TABLE S1.1

PAGE 1 OF MAJOR ITEM: REACTOR VESSEL WELDS

S IT	UB TEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B1.	.10	B-A	SHELL WELDS					
.B1.	.11	В-А	<u>CIRCUMFERENTIAL</u>	ONE TWO THREE	10' 7' 9'	-' - -		
B1.	.12	B-A	LONGITUDINAL	ONE TWO THREE	8'9" 4' 12'9"	- - -		
B1.	20	B-A	HEAD WELDS	•		•		
B1.	21	B-A	CIRCUMFERENTIAL					
			CLOSURE HEAD	ONE TWO THREE	8.5' 8' 8.5'			
			BOTTOM HEAD	ONE TWO THREE	3' 3' 3'	- -	•	
B1.	22	B-A	MERIDONAL	ONE TWO THREE	26' 21' 19'	- -		
B1.	30	B-A	SHELL TO FLANGE WELD	ONE TWO THREE	19' 19' 19'	- - -		
B1.	40	B-A	HEAD TO FLANGE WELD	ONE TWO THREE	19' 19' 19'	- - 		
B1.	50	B-A	REPAIR WELDS	-	-			
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TABLES2.1

OF

MAJOR ITEM VESSELS & HEAT EXCHANGERS

B2.10 & B-B PRESSURIZER VESSEL - - - B2.20 B-B STEAM GENERATORS - - -	
B2.30 & B-B STEAM GENERATORS	
B2.50 & B-B <u>HEAT EXCHANGERS</u>	

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TABLE S3.1 PAGE 1 MAJOR ITEM: NOZZLE WELDS

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REO'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
B3.10 & B3.20	B-D	NOZZLE-TO-VESSEL WELDS & NOZZLE INSIDE RADIUS SECTION					
		HEAD VENT HEAD SPARE	ONE TWO THREE	1 1 1	1 - -	HVAD-1	84-140, 145, 147, 146, 155
	-	STANDBY LIQUID CONTROL	TWO	1	-		
		MAIN STEAM .	ONE TWO THREE	1 1 2			
	• •	FEEDWATER	ONE TWO THREE	1 2 1	-		
		CORE SPRAY	ONE THREE	1	1 -	CSBD-1	84-187, 190, 191, 158, 193
		CRD RETURN	ONE	1	1	CRAD-1	84-188, 189, 192,
		RECIR OUTLET	ONE THREE	1 1	1 -	RCAD-1	168, 240 82-195, 255
		RECIR INLET	ONE	3	3	RRAD-1 RRDD-1 RRJD-1	82-170, 148 82-161, 171 82-160, 172
			TWO THREE	3 4	÷ -		02 100, 172
		JET PUMP INSTR	ONE THREE	1 1	1 -	JPAD-1	84-194, 237, 238 239, 241
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TABLE \$3.1 PAGE 2 MAJOR ITEM: NOZZLE WELDS

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SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B3.30 & B3.40	B-D	PRESSURIZER VESSEL	-	-	-		
B3.50 & B3.60	B-D	STEAM GENERATORS	· -	-	-		
B3.70 & B3.80	B-D	HEAT EXCHANGERS	-	-	-		
B3.90 & B3.100		•	•			•	
				-		•	

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TABLE <u>54.1</u>

PAGE 1 OF1 MAJOR ITEM: PARTIAL PENETRATION WELDS

SUB ITEM	EXAM CATE- GQRY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
B4.10	B-E	REACTOR VESSEL	-	-	-		
B4.11	B-E	PARTIAL PENT. WELDS	-	-	-		
B4.12	B-E	VESSEL NOZZLES	THREE	1	-		
B4.13	B-E	CRD PENETRATIONS	ONE TWO THREE	10 10 11	- - -		
B4.14	B-E	INSTR PENETRATIONS	THREE	1	^ -		
B4.20	B-E	PRESSURIZER	-	-	-		
	-						
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TABLE 55.1

LAR METAL WELDS MAJOR ITEM: DISSIN

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM . IDENTIFICATION	INSPECTION REPORT NO.
		REACTOR VESSEL					
B5.10	B-F	NOZZLE-TO-SAFE-END-WELDS					
		HEAD VENT	ONE	1	2	HVAF-2 HSBF-2	84-134, 135 84 137, 139(Aug)
		HEAD SPARE	TWO THREE	1 1	-		84-137, 138(Aug)
		STAND BY LIQUID CONTROL	TWO .	1	1	CPAF-2	84-033, 061(Aug)
		CORE SPRAY	ONE THREE	1 1	1 -	CSBF-2	84-162,84-166
		CRD RETURN	ONE	1 .	_		
		RECIRC OUTLET	ONE	1	2	RCAF-2	82-177, 196
			THREE	1	-	RCBF-2 (Aug)	82-257
		RECIRC INLET	ONE	3	10	RRAF-2 RRDF-2 RRJF-2	82-70, 130 82-85, 151 82-84, 129
		• • •				AUGMENTED RRBF-2 RRCF-2 RREF-2 RRFF-2 RRGF-2 RRHF-2 RRHF-2 RRHF-2	82-293 82-260 82-296 82-261 82-268 82-254 82-279
			TWO THREE	3 4	-		
		JET PUMP INSTR	ONE THREE	1 1	1 -	JPBF-2	84-043,050
FORM 17-2582							

TABLE S5.1 PAGE 2 OF3 SIMILAR METAL WELDS

MAJOR ITEM: DIS

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
35.10	B-F	(CONT'D)					
		INSTRUMENT LINES	ONE	1	4	VIAF-2 VIBF-2(Aug) VICF-2(Aug)	84-070,075 84-071,074 84-161,164
			TWO THREE	1 2	-	VIDF-2(Aug)	84-163,165
85.20	B-F	PRESSURIZER		-	-		
85.30	B-F	STEAM GENERATORS	-	; -	-		
85.40	B-F	HEAT EXCHANGERS	-	-	-		
85.50	B-F	SAFE END WELDS					
		CORE SPRAY	ONE	2	. 7	CSAF-14 CSAF-18 CSP-90-7(Aug) CSP-270-7(Aug) CSP-270-9(Aug) CSBF-12(Aug) CSBF-16(Aug)	84-096,103 84-094,098 84-220,259 84-182,184 84-156,213 84-093,102 84-101,105
			THREE	2	-		
		HPCI STEAM	ONE	-	2		84-109,113 84-110,114
			тwo	1	-		
		RHR (REW10)	ONE TWO	- 1	1 -	RHAF-4 (Aug)	82-274
	:						

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TABLE S5.1

MAJOR ITEM: DISSIMILAR METAL WELDS

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
85.10	B-F	(CONT'D)					
		RHR (TW20)	ONE		3	RHBF-4 (Aug) RHBF-20 (Aug)	82-241,273 82-242, 262
					2	RHBF-24(Aug) RHBF-20(Aug) RHBF-24(Aug)	82-245, 272 84-085, 089 84-082
			TWO THREE	1 · 2	-		
		RHR (TW30)	ONE		3	RHCF-4 (Aug) RHCF-20 (Aug) RHCF-23(Aug)	82-265, 269 82-246, 264 82-247, 263 84-079, 087
					2	RHCF-20(Aug) RHCF-23(Aug)	84-079, 087 84-080
-		· · · · · · · · · · · · · · · · · · ·	TWO THREE	2 1	-	KHCF-23(Aug)	04-000
		RWCU	ONE	1	1	CWAF-2	82-27, 28
			•				
			· · ·				
		•					
				•			
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 TABLE S6.1

 PAGE 1 OF³

 MAJOR ITEMPRESSURE RETAINING BOLTING > 2"

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B6.10	B-G-1	<u>CLOSURE HEAD NUTS</u>	ONE TWO THREE	22 21 21	- - -		
B 6, 20	B-G-1	CLOSURE STUDS, IN PLACE	-	-	-		
B6.30	B-G-1	CLOSURE STUDS, WHEN REMOVED	ONE TWO THREE	22 21 21			
B6.40	B-G-1	LIGAMENTS BETWEEN STUD HOLES	ONE TWO THREE	22 21 21	- -		
B 6.5 0	B-G-1	CLOSURE WASHERS AND BUSHINGS					
		WASHERS	ONE TWO THREE	22 Prs 21 Prs 21 Prs	 - -	•	
		BUSHINGS	ONE TWO THREE	22 21 21	- - -		
B6.60	B-G-1	PRESSURIZER	-	· -	-		
B6. 90	B-G-1	STEAM GENERATORS	-	-			
B6.120	B-G-1	HEAT EXCHANGERS	-	-	-		
		PIPING	-	-	-		
		PUMPS	-	-	-		

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TABLE <u>56.1</u> PAGE <u>2</u> OF<u>3</u> MAJOR ITEMPRESSURE RETAINING BOLTING > 2"

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B6.180	B-G-1	BOLTS & STUDS, IN PLACE				· · · · · · · · · · · · · · · · · · ·	
		RECIRC PUMP A FLANGE BOLTS	ONE TWO THREE	5 5 6	-5 - -	Bolts, 1 thru 5	82-193 (VT only)
		RECIRC PUMP B FLANGE BOLTS	ONE TWO THREE	5 5 6	5 - -	Bolts, 1 thru 5	82-174, 194
B6.190	B-G-1	BOLTS & STUDS, WHEN REMOVED					
		RECIRC PUMP A & B FLANGE BOLTS	-	- -	-		
B6.200	B-G-1	BOLTING					
		RECIRC PUMP A FLANGE BOLTS	ONE TWO THREE	5 5 6	5 - -	Bolts, 1 thru 5	82-173
		RECIRC PUMP B FLANGE BOLTS	ONE TWO THREE	5 5 6	· 5 - -	Bolts, 1 thru 5	82-192 (VT only)
		VALVES					
B6.210	B-G-1	BOLTS & STUDS, IN PLACE					
		RECIRC A	ONE TWO THREE	8 8 8	8 - -	M02-53A	82-180
-		RECIRC A	ONE TWO THREE	8 8 8	8 - -	M02-43A	82-182

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 TABLE S6.1

 PAGE 3 OF3

 MAJOR ITEMPRESSURE RETAINING BOLTING > 2"

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B6.210	B-G-1	<u>(CONT'D)</u>				· · · · · · · · · · · · · · · · · · ·	
		RECIRC B	ONE TWO THREE	8 · 8 8	8 - -	M02-52B	82-179
		RECIRC B	ONE TWO THREE	8 8 8	8 - -	MO2-43B	82-181
B6.220	B-G-1	BOLTS, & STUDS, WHEN REMOVED					
		RECIRC A & B	-	-	-		
B6.230	B-G-1	BOLTING					
		RECIRC A	ONE TWO THREE	8 8 8	8 - -	M02-53A	82-180
		RECIRC A	ONE TWO THREE	8 8 8	8 - -	M02-43A	82-182
		RECIRC B	ONE TWO THREE	8 - 8 - 8	8 - -	M02-53B	82-179
		RECIRC B	ONE TWO THREE	8 8 8	8 - -	M02-43B	82-181

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TABLE S7.1

MAJOR ITEM PRESSURE RETAINING BOLTING <2"

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
		REACTOR VESSEL					· ·
B7.10	B-G-2	BOLTS, STUDS, AND NUTS					
	•	HEAD VENT HEAD SPRAY HEAD SPARE	ONE TWO THREE	8 8 8	- - -		
		CONTROL ROD HOUSINGS	ONE TWO THREE	41 40 40	- - -		
B7.20	B-G-2	PRESSURIZER	-	-	-		
B7.30	B-G-2	STEAM GENERATORS	-	-	-		
B7.40	B-G-2	HEAT EXCHANGERS	-	-	-		
		PIPING				•	
B7.50	B-G-2	BOLTS, STUDS, AND NUTS					
		MAIN STEAM A	ONE Three	1 3			
		MAIN STEAM B	TWO	1	-		
	÷	MAIN STEAM C	ONE	1	-		
		MAIN STEAM D	ONE TWO THREE	1 1 2			
		RHR TW36	тио	2	-		
		RECIRC A	ONE	1	1	Bolts @ RCAJ-20	82-357

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1

MAIN STEAM B

 TABLE S7.1

 PAGE 2

 MAJOR ITEM PRESSURE RETAINING BOLTING
 COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED EXAM INSP. REQ'D. AMT. ITEM IDENTIFICATION INSPECTION REPORT NO. CATE-PER. AMT. EXAM GORY B-G-2 (CONT'D) **RECIRC B** THREE 1 **RECIRC BYPASS A** TWO 1 **RECIRC BYPASS B** TWO 1 HEAD VENT LINE ONE 1 PUMPS B-G-2 BOLTS, STUDS, AND NUTS RECIRC PUMP A ONE 3 **GLAND BOLTS** TWO 3 _ THREE 4 _ **RECIRC PUMP B** ONE 3 **GLAND BOLTS** TWO 3 THREE 4 VALVES BOLTS, STUDS, AND NUTS B-G-2 MAIN STEAM A ONE 2 'TWO -

2

-

2

2

-

THREE

ONE

TWO

THREE

SUB

ITEM

B7.50

B7.60

B7.70

LCD110482R07

て2"

TABLE S7.1PAGE 3 OF5MAJOR ITEMPRESSURE RETAINING BOLTING < 2"</th>

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REO'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B7.70	B-G-2	(CONT'D)					
		MAIN STEAM C	ONE TWO THREE	2 - 2	-	·	
		MAIN STEAM D	ONE TWO THREE	- 2 2	- -		
		FEEDWATER A	ONE TWO THREE	1 1 1	- - -		
		FEEDWATER B	ONE TWO THREE	1 1 1	- -		
		CORE SPRAY A	ONE TWO THREE	2 1 -	2 - -	POS-1758 A014-13B	84-108 84-107
		CORE SPRAY B	ONE TWO THREE	1 - 2	1 - -	MO-1753	84-172
		HPCI STEAM	ONE TWO	1	1	MO-2035	84-128
		RWCU	ONE TWO THREE	1 1 1	1 - -	MO-2398	84-183
		RHR REW10	ONE TWO THREE	1 2 -	1 - -	MO-2029	84-216

FORM 17-2582

TABLE S7.1PAGE 4 OF5MAJOR ITEMPRESSURE RETAINING BOLTING <2"</th>

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REO'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B7.70	B-G-2	(CONT'D)					
		RHR TW20	ONE TWO THREE	1 2 -		• · ·	
		RHR TW30	ONE TWO THREE	1 1 1	1 - -	MO-2014	84-169
		RHR TW36	ONE TWO THREE	1 2 -	1 - -	MO-2026	84-173
		RCIC STEAM	TWO THREE	1 1	-		
		RECIRC BYPASS A	THREE	1	-		
		RECIRC BYPASS B	THREE	1	-	-	
		RECIRC MANIFOLD	ONE	2	2	M02-65A	82-178
			THREE	2	-	M02-66A	82-185
		HEAD VENT LINE	TWO THREE	1 · 2	-		
		BOTTOM HEAD DRAIN	THREE	1	-		
		STANDBY LIQUID CONTROL	ONE TWO THREE	1 1 1	1	XP-8	84-215
		MAIN STEAM DRAIN	ONE TWO	1	- -		· · ·

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TABLE <u>\$7.1</u> PAGE ______

OF5

NSERVICI		ION-EXAMINATION SUMMARY	·	MAJOR ITEMPRESSURE RETAINING BOLTING					
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.		
B7.70	B-G-2	<u>(CONT'D)</u>		<u> </u>					
		CRD SCRAM HEADER DRAIN LINE	ONE	1	-				
		RECIRC A DRAIN	ONE	2	2	XR-6-1 XR-7-1	82-87 82-88		
		RECIRC B DRAIN	TWO	2	-				
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FORM 17-2582

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TABLES8.1 PAGE 1

OF

MAJOR ITEM:VESSEL SUPPORTS

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
		REACTOR VESSEL				· · · · · · · · · · · · · · · · · · ·	
B8.10	B-H	INTEGRALLY WELDED ATTACHMENTS					
		SUPPORT SKIRT	ONE TWO THREE	17 18 18	17%	8½" 120" - 180"	84-257, 257R
		STABILIZER LUGS	-	-	_	· ·	
B8.20	B-H ,	PRESSURIZER	•	-	_		
B8.30	B-H	STEAM GENERATORS	-	-	-		
B8.40	B-H	HEAT EXCHANGERS	-	-	-		
						•	
			, ,				

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PAGE 1 OF

INSERVIC	T	TION-EXAMINATION SUMMARY		·		MAJOR ITEM: PIPI	NG PRESSURE BOUNDARY
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B9.10	B-J	NOMINAL PIPE SIZE, 4 IN. AND GREATER	-	-	-		
B9.11 & B9.12	B-J	CIRCUMFERNTIAL AND *LONGITUDINAL WELDS					
		MAIN STEAM A PS1-18"	ONE TWO THREE	3 - 3		-	
·		PS1-6"	ONE	1	2	MSAJ-16, 20 (Baseline)	82-311, 312
			TWO THREE	- 1		(baserine)	
		MAIN STEAM B PS2-18"	ONE TWO THREE	- 4 3	-	- -	
		PS2-6"	ONE	-	2	MSBJ-15. 21 (Baseline)	82-313, 314
		. •	TWO THREE	1 -		(baserine)	
		MAIN STEAM C PS3-18"	ONE TWO THREE	2 2 3			
		PS3-6"	ONE	1	2	MSCJ-16, 21 (Baseline)	82-315, 318
			TWO THREE	-	-	(Daserine)	
			ŀ				

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TABLE S9.1

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N SUMMARY				MAJOR ITEM:	PIPING PRESS
DR SYSTEM PTION OF XAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	
D					
	ONE TWO THREE	2 1 3	-		

\$9.1 TABLE 2 OF 14 SSURE BOUNDARY 2 PAGE

7

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
B9.11 & B9.12	B-J	(CONT'D)					
03.12	·	MAIN STEAM D PS4-18"	ONE TWO THREE	2 1 3	 -		
	•	PS4-6"	ÓNE	1	2	MSFJ-17, 21 (Baseline)	82-317, 316
			TWO THREE	- 1	-	(Baseline)	
		FEEDWATER A	ONE TWO THREE	2 - 1			
			ONE TWO THREE	- 2 1		•	·
		FEEDWATER B	ONE TWO THREE	- 2 1			
		FEEDWATER C	ONE TWO THREE	1 - - 1	-		
		FEEDWATER D	ONE TWO THREE	2 - 1	-		
			ONE TWO THREE	2 1 -	- - -		
							· · ·

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TABLE____ 3

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		MAJOR ITEM:_	PAGE PIPING	3 PRESSURE	OF_ BOUN	14 DARY
) .	AMT. EXAM	ITEM IDENTIFICATIO	N		CTION	

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B9.11 & B9.12	8-J	<u>(CONT'D)</u>					· ·
		CORE SPRAY A	ONE	1	3	CSAJ-19 CSAJ-16(Aug.) CSAJ-17(Aug.)	84-179, 180 84-095, 104 84 070 106
			TWO THREE	2 1	-	CSA0-17 (Aug.)	84-079, 106
-		CORE SPRAY B	ONE .	2	4	CSBJ-21 CSBJ-22 CSBJ-13(Aug.)	84-170, 175 84-171, 174 84-092, 099
			TWO THREE	- 2	- -	CSBJ-14(Aug.)	84-091, 100
		HPCI-STEAM	'ONE TWO THREE	22	-		
		RWCU LINE	ONE TWO THREE	- 2 2	1 - -	CWAJ-2A	82-320
		RHR REW10	ONE	3	6	RHAJ-1, 2, 3 RHAJ-25 RHAJ-26 RHAJ-27	82-252, 253, 275 84-195, 243 84-178, 245 84-242, 244
			TWO THREE	-2	- -		04-242, 244
		RHR TW20-16"	ONE	2	6	RHBJ-28, 29 RHBJ-1 (Aug) RHBJ-3 (Aug)	82-31, 53, 32, 52 82-277 82-276
			TWO	2	-	RHBJ-21(Aug) RHBJ-22(Aug)	84-084, 090 84-083

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MAJOR

	PAGE	4	OF	14
ITEM:	PIPING	4 PRESSURE	BOUND	ARY

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SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
B9.11 & B9.12	B-J	<u>(CONT'D)</u>					
		RHR TW20-16"	THREE	1	-		
		RHR TW20-18"	ONE	-	2	RHBJ-21 (Aug)	82-243
	•		TWO THREE	- 1	- -	RHBJ-22 (Aug)	82-244
		RHR TW30-16"	ONE	2	4	RHCJ-7, 8 RHCJ-21 (Aug)	82-33, 55, 34, 54 82-248, 84-086,088
			TWO THREE	2 1	-	RHCJ-22 (Aug)	82-249, 84-083
		RHR TW30-18"	[·] ONE	-	2	RHCJ-1 (Aug)	82-250
			TWO THREE	1 -	-	RHCJ-3 (Aug)	82-251
		RHR TW36	ONE TWO THREE	- 3 3	1 - -	RHDJ-2(Aug)	84-136, 139
		RECIRC A	ONE	1	17	RCAJ-13	82-071, 074
						RCAJ-3 RCAJ-4 RCAJ-5 RCAJ-6 RCAJ-9 RCAJ-11 RCAJ-15 RCAJ-17 RCAJ-20 RCAJ-21	ED 82-225 82-120 82-099 82-121 82-226 82-227 82-080 82-228 82-357 82-081

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TABLES9.1PAGE5OF14PIPINGPRESSUREBOUNDARY

MAJOR ITEM:

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B9.11 & B9.12	B-J	(CONT'D)					
		RECIRC A				RCAJ-23 RCAJ-24 RCAJ-28 RCAJ-30 RCAJ-32	82-147 82-229 82-230 82-082 82-083
		· ·	TWO THREE	2 2	-	RCAJ-35	82-256
		RECIRC B	ONE	2	16	RCBJ-11, 13	82-069,095,065,094
		· ·				RCBJ-3 RCBJ-4 RCBJ-5	WGMENTED 82-258 82-231 82-096
						RCBJ-6 RCBJ-9 RCBJ-15 RCBJ-18	82-232 82-231 82-233 82-234
			-			RCBJ-19 RCBJ-21 RCBJ-22 RCBJ-26 RCBJ-28	82-098 82-146 82-235 82-236 82-097
			TWO THREE	-2	-	RCBJ-31 RCBJ-34	82-237 82-240
		RECIRC BYPASS A	ONE	2	6	RBAJ-M12, M13	82-078,302,079,301 UGMENTED
						RBAJ-2 RBAJ-M3 RBAJ-M15 RBAJ-M16	82-288 82-289 82-287 82-286

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TABLE S9.1 PAGE OF 14 PIPING PRESSURE BOUNDARY

MAJOR ITEM:

[EXAM			MAJOR ITEM:PIPING PRESSURE BUUNDA				
SUB ITEM	CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.	
B9.11 & B9.12	B-J	<u>(CONT'D)</u>						
		RECIRC BYPASS A	TWO THREE	-1				
	· .	RECIRC BYPASS B	ONE	2	6	RBBJ-M7, M8	82-076,213,077,186 WGMENTED	
	-		-			RBBJ-2 RBBJ-M3 RBBJ-M18	82-282 82-283 82-285	
			TWO Three	2		RBBJ-19	82-284	
		RECIRC MANIFOLD	ONE	2	21	RMAJ-2, 9	82-30,72,72A,72B,67, WGMENTED	
						RMAJ-3 RMAJ-5 RMAJ-7 - RMAJ-8 RMAJ-10 RMAJ-14 RMAJ-15 RMAJ-16 RMBJ-2 RMBJ-2 RMBJ-3 RMBJ-5 RMBJ-5 RMBJ-7 RMBJ-9 RMBJ-9 RMBJ-10 RMBJ-12 RMBJ-14	82-214 82-218 82-217 82-270 82-113 82-122 82-216 82-215 82-131 82-219 82-220 82-132 82-221 82-221 82-233 82-222 82-358	
			TWO THREE	2 1	- -	RMBJ-15 RMBJ-16	82-216 82-224	

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		TION-EXAMINATION SUMMARY		· · · · · · · · · · · · · · · · · · ·		MAJOR ITEM: PIPI	NG PRESSURE BOUNDARY
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B9.11 & B9.12	B-J	<u>(CONT'D)</u>					
D		RECIRC RISERS				Δ	UGMENTED
		RISER F	ONE	· _	4	RRFJ-3	82-238
						RRFJ-4	82-209
	•	·				RRFJ-5	82-119
			TUO			RRFJ-7	82-190
			TWO THREE	2	-	•	
				2	-		
		RISER G ·				A	UGMENTED
			ONE	-	4	RRGJ-3	82-267
						RRGJ-4	82-207
				•		RRGJ-5	82-208
			TWO			RRGJ-7	82-280
			THREE	_			
		RISER H	ONE	1	4	RRHJ-7	82-187, 062, 062R
							GMENTED
						RRHJ-3	82-333
				1		RRHJ-4 RRHJ-6	82-205 82-206
			TWO	2	-		82-200
			THREE		·		
		RISER J	015			AL	GMENTED
			ONE		4	RRJJ-3	82-266
						RRJJ-4 RRJJ-5	82-118 82-204
	1					RRJJ-7	82-188
		х.	TWO	-	-		02-100
			THREE	-	-		
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PAGE ______OF___14___ MAJOR ITEM: ______PIPING_PRESSURE_BOUNDARY

TABLE ________

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SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
B9.11 & B9.12	B-J	(CONT'D)					· · · · · · · · · · · · · · · · · · ·
D9.12		RISER K				· .	CMENTED
			ONE	-	4	RRKJ-3	GMENTED 82-278
						RRKJ-4	82-203
						RRKJ-5	82-117
			TWO	_	_	RRKJ-7	82-189
			THREE	2	-		· · ·
		RISER A	ONE		4	AL RRAJ-3	GMENTED
		· · ·	UNL	-	4	RRAJ-3	82-295 82-114
						RRAJ-5	82-197
			TUO			RRAJ-7	82-191
			TWO THREE	-	-		
		RISER B	0115		-	AU	GMENTED
		×	ONE	-	4	RRBJ-3 RRBJ-4	82-239 82-202
						RRBJ-5	82-115
			-			RRBJ-7	82-212
			TWO THREE	-2			
			THREE	2	-		
		RISER C				AU	GMENTED
			ONE	-	4	RRCJ-3	82-259
						RRCJ-4 RRCJ-5	82-116 82-201
						RRCJ-7	82-297
			TWO	-	-		- · ·
			THREE	-	-		•
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OF 14

MAJOR ITEM: PIPING PRESSURE BOUNDARY

GORY	ITEM TO BE EXAMINEO	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
B-J	<u>(CONT'D)</u>					
	RISER D				A	NUGMENTED
		ONE	-	4	RRDJ-3 RRDJ-4 RRDJ-5	82-198 82-199 82-200
1			-	-	RRDJ-7	82-150
		INKEC .	-			
	RISER E				A	UGMENTED
		UNE	-	4	RREJ-4 RREJ-5	82-294 82-211 82-210 82-149
		TWO	-	-		
		THREE	-	-		
	HEAD VENT	ONE	1	-	•	
	JET PUMP INSTR	ONE	-	1	JPBJ-3 (Aug)	84-042, 051
		THREE	-1	-		
	JET PUMP INSTR.(CANISTER)	-	-	3	Weld #1 (Aug) Weld #2 (Aug) Weld #3 (Aug)	84-041, 052 84-040, 053 84-039
	INSTRUMENT LINES					
	FROM N11A & N11B		1	1 ·	VIAJ-19	84-200, 214
		THREE	1	-		
	CRD SCRAM HDR 8"	ONE TWO THREE	1	-		
	B-J	RISER D RISER E HEAD VENT JET PUMP INSTR JET PUMP INSTR.(CANISTER) INSTRUMENT LINES FROM N11A & N11B	RISER D ONE TWO THREE RISER E ONE HEAD VENT JET PUMP INSTR ONE JET PUMP INSTR.(CANISTER) INSTRUMENT LINES FROM N11A & N11B ONE TWO THREE CRD SCRAM HDR 8" ONE TWO	RISER D ONE - TWO THREE - ONE - TWO THREE - NE - TWO THREE - HEAD VENT ONE 1 JET PUMP INSTR ONE - TWO THREE 1 JET PUMP INSTR. (CANISTER) - INSTRUMENT LINES FROM N11A & N11B ONE 1 TWO - THREE 1 ONE 1 THREE 1 THREE 1 ONE 1 THREE 1 T	RISER D ONE - 4 RISER E TWO THREE - - - RISER E ONE - 4 TWO THREE - - - - RISER E ONE - 4 TWO THREE - - 4 TWO THREE - - 4 Description - - 4 TWO THREE - - 4 JET PUMP INSTR ONE 1 - JET PUMP INSTR.(CANISTER) - - 3 INSTRUMENT LINES FROM N11A & N11B ONE 1 1 CRD SCRAM HDR 8" ONE 1 1	RISER D ONE - 4 RRDJ-3 RRDJ-4 RRDJ-4 RRDJ-5 RRDJ-7 RISER E TWO THREE - - - - RISER E ONE - 4 RREJ-3 REJ-4 REJ-7 - HEAD VENT ONE - - - - JET PUMP INSTR ONE - - 1 JPBJ-3 (Aug) JET PUMP INSTR ONE - - 3 Weld #1 (Aug) Weld #2 (Aug) JET PUMP INSTR.(CANISTER) - - 3 Weld #1 (Aug) Weld #3 (Aug) INSTRUMENT LINES FROM N11A & N11B ONE 1 1 VIAJ-19 CRD SCRAM HDR 8" ONE 1 - -

PAGE 10 OF 14 MAJOR ITEM: PIPING PRESSURE BOUNDARY

	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B9.11 & B9.12	B-J.	<u>(CONT'D)</u>					
		CRD SCRAM HDR 6"	ONE TWO THREE	- 2 3			
		A LOOP	ONE	-	3	BASELINE EXAMS CDAJ-24, 18, 27	82-327, 328, 006
		B LOOP	ONE	-	3	CDBJ-21, 20, 15	82-005, 334, 335
		CRD SCRAM HDR 4"	ONE TWO THREE	2 2 3			
		A LOOP	ONE	-	11	BASELINE EXAMS CDAJ-1, 8, 10, 11, 12, 13, 15, 16, 36, 42, 43	82-353,349,350,351, 001,556,355,354, 020,352,348,003
		B LOOP	ONE	-	9	CDBJ-1, 6, 7, 8, 9, 10, 28, 34, 37	82-347,343,344,002, 341,340,342,346, 345,004
		SCRAM DISCHARGE VOLUME TANK	ONE TWO THREE	- - 1	-		
		A LOOP	ONE	-	2	BASELINE EXAMS CDAJ-54, 55	82-024, 023
		B LOOP	ONE	-	2	CDBJ-45, 46	82-022, 021
							X

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INSERVIC	E INSPEC	TION-EXAMINATION SUMMARY					IG PRESSURE BOUNDARY
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
		CRD SCRAM HEADER 12"				BASELINE EXAMS	· · · · · · · · · · · · · · · · · · ·
		A LOOP	ONE	-	11	CDAJ-17, 28, 29, 45, 33, 46, 49,	82-323,012,016, 010,015,324,325,
						50, 51, 52, 53	326,008,007,013, 337
· .		B LOOP	ONE	- 	-	CDBJ-11, 12, 22, 23, 39, 40, 43, 44	82-014,332,011,018, 009,017,331,330, 336,339
B9.20	B-J	NOMINAL PIPE SIZE LESS THAN 4 IN.					550, 559
B9.21 & B9.22	B-J	CIRCUMFERENTIAL AND *LONGITUDINAL WELDS				L.	
		RCIC-STEAM	ONE	2	2	RSAJ-4 RSAJ-5	84-197
			TWO	-2		KOAU-0	84-196
		STANDBY LIQUID CONTROL	ONE	-	3	CPAJ-3A (Aug) CPAJ-4 (Aug)	84-035, 062 84-034, 063
			TWO THREE	1	-	CPAJ-6 (Aug)	84-036, 064
		MAIN STEAM CONDENSATE LEAKOFF	ONE	2	-		
,			TWO THREE	- 1	-		
39.30	B-J	BRANCH CONNECTION WELDS					
ORM 17-2682							

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PAGE 12 OF 14 MAJOR ITEM: PIPING PRESSURE BOUNDARY

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
B9.31	B-J	NOMINAL PIPE SIZE GREATER THAN 2 IN.					
		MAIN STEAM A	ONE	1	2	MSAJ-15, 19 (Baseline)	82-303, 304
			TWO	-	-	(baserine)	
	-		THREE	1	-		
		MAIN STEAM B	ONE	-	2	MSBJ-16, 20	82-305, 306
			TWO THREE	1 -	-	(Baseline)	
		MAIN STEAM C	ONE	- 1	2	MSCJ-15, 20	82-308, 307
			TWO THREE	-		(Baseline)	
		MAIN STEAM D	ONE TWO THREE	1 - 1	2 - -	MSDJ-16, 20	82-310, 309
		RWCU	ONE	1	1	CWAJ-1	82-321
		RECIRC A	-	-	-		
	· .	RECIRC B	THREE	1	-		
		RECIRC BYPASS A	TWO	2	_		
		REC1RC BYPASS B	TWO THREE	1 1	-		
		RECIRC MANIFOLD	ONE TWO	1 1	1	RMAJ-12	82-29, 123

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TABLE_ 59.1 PAGE___

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13 _OF__ MAJOR ITEM: PIPING PRESSURE BOUNDARY

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
B9.32	B-J	NOMINAL PIPE SIZE 2 IN. AND LESS					
		MAIN STEAM B	THREE	1	-		
		RWCU	-	-	-		
		MAIN STEAM CONDENSATE LEAKOFF	ONE THREE	1 1			
		CRD SCRAM HDR	-	-	- ,		
	·	RECIRC DRAIN A & B	TWO	1	-	·	
B9.40	B-J	SOCKET WELDS					
-		HEAT VENT	ONE	4	4	50 51 58	84-143 84-142 84-141
			TWO . THREE	5 5	-	59	84-144
		INSTRUMENT LINES	ONE	. 3	3	VIAJ-1 VIAJ-2 VIAJ-3	84-202 84-201 84-069
			TWO THREE	3 3	-	VINU-3	64-069
		BOTTOM HEAD DRAIN	ONE TWO THREE	3 3 4	-		
		· · · · · · · · · · · · · · · · · · ·					

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PAGE 14 OF 14 MAJOR ITEM: PIPING PRESSURE BOUNDARY

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REO'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B9.40	B-J	<u>(CONT'D)</u> STANDBY LIQUID CONTROL	ONE TWO	1 1	1.	CPAJ-22	84-032
· .		MAIN STEAM CONDENSATE	THREE	2	-		
		LEAKOFF	ONE TWO THREE	3 3 3	-		
		CRD SCRAM HDR DISCHARGES	ONE TWO THREE	3 3 3	- - ·		
		CRD SCRAM HEADER DRAIN	ONE TWO THREE	- 1 1			
		RECIRC MANIFOLD BYPASS OF MO2-65A AND MO2-65B	ONE TWO THREE	4 - 3	4 - -	VBBJ-8, 9, 10, 11	82-93, 90, 92, 91
		RECIRC A & B DRAIN	ONE TWO THREE	2 2 3	2 - -	6A, 7A	82-162, 89
				-			

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TABLE S10.1 PAGE 1 SUPPORT MEMBERS

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MAJOR ITEM: SUPPORT MEM

						MAJOR ITEM:			
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.		
10.10	В-К-1	INTEGRALLY WELDED ATTACHMENTS AND B11.10 COMPONENT SUPPORTS							
		MAIN STEAM A	ONE TWO THREE	1 - · 1	-				
		MAIN STEAM B	ONE TWO THREE	- 2					
		MAIN STEAM C	ONE TWO THREE	- 1 1	- -				
		MAIN STEAM D	ONE TWO THREE	- 1 1	- - -				
		FEEDWATER A & B	ONE TWO THREE	- 2 1	- - -	•			
		FEEDWATER A	ONE TWO THREE	1 - -	- - -				
		FEEDWATER C & D	ONE TWO THREE	1 2 -					
		FEEDWATER D	ONE TWO THREE	1 -	 -				
						-			

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FORM 17-2682

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MAJOR ITE

EM:	SUPPORT	MEMBE	RS_OF_2

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REOʻD. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B10.10	B-K-1	(CONT'D)			· ·		
		RWCU	ONE TWO THREE	- - 1			
•		RHR TW36	ONE TWO THREE	- 1 -	-		
		RECIRC A	ONE TWO THREE	3 2 3	3	RCAK-16, 18 RCAK-33	82-42, 63, 41, 64 82-40, 40R, 176
		RECIRC B	ONE TWO THREE	2 2 4	2 - -	RCBK-10A, 14	82-36, 66, 35, 68
	- -	RECIRC MANIFOLD	ONE TWO THREE	4 3 3	4 -	RMAK-13, 13B RMAK-17A, 17B	82-47, 163, 49, 361 82-154, 175, 157, 164
· · ·		SCRAM DISCHARGE	ONE TWO THREE	1 -	- - -		
B10.20	B-K-1	PUMPS	-	-	-		
B1 0.3 0	B-K-1	VALVES	-	-	-		
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TABLE S10.1

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TABLE S11.1 PAGE 1 OF MAJOR ITEM: COMPONENT SUPPORTS

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REO'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
311.10	B-K-2	COMPONENT SUPPORTS	· ·				
		MAIN STEAM A	ONE TWO THREE	2 - 2			
		MAIN STEAM B	ONE TWO THREE	- 2 -		N 1	
		MAIN STEAM C	ONE TWO THREE	2 -			
		MAIN STEAM D	ONE TWO THREE	1 2 1	- - -		
		FEEDWATER A	ONE TWO THREE	2 - 1	-		
		FEEDWATER A	ONE TWO THREE	1 - 2			
		FEEDWATER D	ONE TWO THREE	1 - 2			
		FEEDWATER D	ONE TWO THREE	1 1 1	- - -		
		CORE SPRAY A	ONE TWO THREE	1 1 -	- - -	CSAK-15	84-111

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 TABLE S11.1

 PAGE 2
 OF 5

 MAJOR ITEM: COMPONENT SUPPORTS

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SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B11.10	B-K-2	<u>(CONT'D)</u>					
		CORE SPRAY B	ONE TWO THREE	1	1 - -	CSBK-6	84-112
		HPCI-STEAM	ONE TWO THREE	- - 1			
		RWCU	ONE TWO THREE	- - 2			· · ·
		RHR REW10	ONE TWO THREE	- 4 2			· ·
		RHR TW20	ONE TWO THREE	- 2 4	-		
		RHR TW30	ONE	2	2.	RHCK-10	84-261
. /	х 		TWO THREE	3 -	-	RHCK-9	84-260
-		RHR TW36	ONE TWO THREE	- 1 -			
	•	RCIC-STEAM	ONE TWO THREE	1 1 1	1 - -	RSAK-6	84-217

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OF 5

 TABLE
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 MAJOR ITEM:
 COMPONENT
 SUPPORTS

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B11.10	B-K-2	(CONT'D)					
		RECIRC A	ONE	4	4	RCAK-6, 34 PHA-5	82-043, 039 82-44
•			TWO THREE	4 4		PSSA-5	82-48
		RECIRC B	ONE .	4	4	RCBK-10, 12 PHB-6 PSSB-5	82-37, 37R, 38 82-360, 360R 82-359
			TWO THREE	4 4	-	P33D-5	82-359
		RECIRC BYPASS A & B	ONE TWO THREE		1 - -	RBBK-14	82-75
	· · · ·	RECIRC MANIFOLD A & B	ONE	4	4	RMAK-11, 13A, 17 RMBK-17	82-45, 46, 159 82-158
			TWO THREE	3 3	-		
		RECIRC RISERS MANIFOLD A & B	ONE	3	3	RRJK-6 RRKK-6 RRDK-6	82-50, 50R 82-51
		· · ·	TWO T.HREE	3 4	-	KKUK-D	82-155
		HEAD VENT LINE	ONE TWO THREE		1 - -	HVAK-21	84-218
		BOTTOM HEAD DRAIN	ONE TWO THREE	3 2 -			

(CONT'D)

COMPONENT OR SYSTEM AND DESCRIPTION OF

ITEM TO BE EXAMINED

STANDBY LIQUID CONTROL

INSP. PER.

ONE

TWO

THREE

EXAM CATE-GORY

B-K-2

SUB

B11.10

				1	
CRD SCRAM HEADER A	ONE TWO THREE	4 5 5	-		
CRD SCRAM HEADER B	ONE TWO THREE	5 55			
CRD SCRAM HEADER DISCHARGES A & B	ONE TWO THREE	4 7 7	- -		
CRD SCRAM HEADER DRAIN	ONE TWO THREE	1 - -	-		
SCRAM DISCHARGE VOLUME TANK	ONE TWO THREE	1 - -	- - -		
RECIRC VALVE BYPASS A&B	ONE TWO THREE	1 1 -	1 - -	VBBK-6A	82-156
PUMPS					
COMPONENT SUPPORTS	-	-	-		
		I	I	· · · · · · · · · · · · · · · · · · ·	110482R11

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REQ'D.

AMT.

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COMPONENT SUPPORTS **MAJOR ITEM:**

ITEM IDENTIFICATION

CPAK-20

TABLE \$11.1

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84-219

INSPECTION REPORT NO.

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B11.20

B-K-2

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 TABLE S11.1

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 MAJOR ITEM: COMPONENT SUPPORTS

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
B11.30	B-K-2	VALVES					
		COMPONENT SUPPORTS	-	~	-		
		1					
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			·				

FORM 17-2582

TABLE S12.1 PAGE 1 OF 1 MAJOR ITEM: PUMP CASING & VALVE BODIES

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
		PUMPS					······································
B1 2.1 0	B-L-1	PUMP CASING WELDS	-	-	-		
B12.20	B-L-1	PUMP CASING					
		RECIRC PUMPS A & B	-	-	-		
		VALVES					
B12.10	B-L-1	VALVE BODY WELDS	-	-	-		
B12.20	B-L-1	VALVES BODY, EXCEEDING 4 IN. NOMINAL PIPE SIZE					
		ATWOOD MORRILL GLOBE VALVES	THREE	-	-		
		TARGET ROCK RELIEF VALVES	THREE	-	-	•	
		ANCHOR CHECK VALVES	THREE	-	-		
		ATWOOD MORRILL CHECK VALVE	THREE	-	-		
		ROCKWELL CHECK VALVE	THREE	—	_		
		ANCHOR GATE VALVE	THREE	-	_		
		CRANE CHAPMAN GATE VALVE	-	-	-		

MAJOR ITEM: REACTOR VESSEL INTERIOR

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
		REACTOR VESSEL				· · · · · · · · · · · · · · · · · · ·	
B13.10	B-N-1	<u>VESSEL INTERIOR</u>	ONE	*	*	reactor core that	84-149 84-148 above and below the is made accessible
			TWO THREE	-	- -	for examination b components during	/ the removal of normal refueling.
B13.20 & B13.30	B-N-1)	INTERIOR ATTACHMENTS & CORE SUPPORT STRUCTURES	ONE	*	*	Appendix J Shroud Supports *Inspected visual	84-150 ly accessible
		REACTOR VESSEL (PWR)	TWO THREE	-	- -	attachments and s	ipports
B13.30	B-N-1	CORE SUPPORT STRUCTURES	-	-	-		
				•			
	, ,						

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TABLE \$13.1

TABLE S14.1 PAGE 1 OF1 MAJOR ITEM: CONTROL ROD HOUSING WELDS

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
B14.10	B-0	<u>REACTOR VESSEL</u> WELDS IN CRD HOUSING	ONE TWO THREE	1 1 1	- -		
		•					
					Λ	-	

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MAJOR ITEM:

PAGE 1 OF 1 PRESSURE RETAINING COMPONENTS

		TION-EXAMINATION SUMMANT		MAJOR TIEWI.					
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.		
B15.10	B-P	REACTOR VESSEL	-	-	-	· · · · · · · · · · · · · · · · · · ·			
B15.50	B-P	PIPING	-	-	-				
B15.60	B-P	PUMPS	-	-	-				
B15.70	B-P	VALVES	-	-	-				
B15.11	B-P	REACTOR VESSEL	-	-	-				
B15.51	B-P	PIPING		-	-				
B15.61	B-P	PUMPS	-	-	-				
B15.71	B-P	VALVES	-	-	-				
B15.20	B-P	PRESSURIZER	-	-	-				
B15.30	B-P	STEAM GENERATORS	-	-	-				
B15.40	B-P	HEAT EXCHANGERS	-	-	-				
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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
REACTOR VESSEL							-
B3.10 NOZZLE TO VESSEL WELDS							
Heat Vent (N7)	15	UT	HVAD-1	84-140	Low Level ID Clad	None	None
	•			84-147 84-145	Roll	None S-1, 360°	No S-2 Config. No S-2 Config.
Core Spray (N5B)	6B	UT	CSBD-1	84-191 84-190 84-187	S-1 IDGEO S-2 IDGEO	None None S-1,IDGeo,30%	No S-2, Nozzle No S-2, Nozzle No S-2, Nozzle
CRD Return (N9)	10	UT	CRAD-1	84-192	S-1,Spot, 50%	None	None
•				84-189 84-198		S-1,IDGeo,45% None	No S-2 Config. No S-2 Config.
Jet Pump Instrument Nozzle (N8A)	16	UT	JPAD-1	84-194 84-238	None	None None	None S1-4 Limited
				84-237		None	5:00 to 7:00 Insulation S1-4 Limited 5:00 to 7:00 Insulation

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
B3.20 NOZZLE INSIDE RADIUS SECTION							
Head Vent (N7)	15	ÚΤ	HVAD-1	84-146	Low Level ID Clad Roll	S-1 Bore Geo ≻100% 360°	None
	•			84-155		S-1 CW Bore Geo 100% 360° S-2 CCW Bore Geo 50% 360°	None
Core Spray (N5B)	6B	UT	CSBD-1	84-193	S-1,IDGeo	S-1 Bore Geo 100% 360°	S-1 Limited 3:00,9:00,12:00 Insulation
•				84-158	S-2,IDGeo	S-1 Bore Geo 25% 360° S-2 Bore Geo 25% 360° S-3 Bore Geo 100% 360°	None
CRD Return (N9)	10	UT	CRAD-1	84-168	S-1 Spot 50%	S-3,Bore Geo 35% Int. S-4 Bore Geo 35% Int.	S1-4 Limited 9:00 Insulation
				84-240		S-3 ID Geo Int. 50% S-4 ID Geo Int. 30%	None
Jet Pump Instrument Nozzle (N8A)	16	UT	JPAD-1	84-241	None	S-1 IDGeo Int. 360° 30%	Scans Limited 4:30 to 7:30
				84-239		S-3 ID.Geo. Int. 360° 50% S-4 ID.Geo. Int. 360° 50%	Insulation None

COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
<u>B3.90 & B3.100</u>							
<u>Nozzle Inside Radius</u> Feedwater Nozzle"A"	5A	UT	N4A	84-160	None	S-3 Bore Geo	None
Feedwater Nozzle"A"	5A	UT	N4A			>100% - 360° S-4 Bore Geo >100% - 360°	
				84-167		S-3,4 Bore Geo 35% 360° Intr.	None
Feedwater Nozzle"B"	5A	UT	N4B	84-151	S-1 Clad Noise	S-3,4 Bore Geo ≻100% 360°	S-1 Limited 2:00 to 4:00 & 8:00 to 10:00
				84-153	S-2 Spot Ind.	S-3,4 Bore Geo ≮100% 360°	due to Insulation None
Feedwater Nozzle"C"	5B	UT	N4C	84-157	Spot Ind. 4:00,6:00, 9:00	S-3,4 Bore Geo ≯100% 360°	S-1 Limited 2:00 to 4:00 Insulation
				84-159		S-3,4 Bore Geo >100% 360°Intr	Scans limited at 9:00 for 1" due to the thermocouple
Feedwater Nozzle"D"	5B	UT	N4D	84-152	None	S-3,4 Bore Geo ≻100% 360°Intr	S-1 Limited 2:00 to 4:00 8:00 to 10:00 due to Insulation
				84-154		S-3,4 Bore Geo <100% 360°Intr	None

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
B5.10 <u>NOZZLE TO SAFE END</u> <u>WELDS</u>				-			
Head Vent(N7)	. 15	ÚT PT	HVAF-2	84-134 84-135	S-1,IDGeo 70% None	S-1,IDGeo 10% 360° None	No S-2, Flange None
Head Spare	14	UT	HSBF-2	84-135 84-138	S-1,Geo 70%	S-2,ID Geo 40% Int.	No S-1, 1S & 2S Flange
		PT		84-137	None	None	None
Core Spray(N5B)	6B	UT PT	CSBF-2	84-236 84-181	None None	None None	None None
CRD Return(N9)	10	· UT	CRAF-2	84-166	None	S-1, IDGeo 40% S-3,0DGeo 30% S-1S,0DGeo 25% S-2S,0DGeo 25% S-3S,IDGeo 30% S-4S,IDGeo 30%	No S-2,Config.
		PT		84-162	None	None	None
Stand By Liquid Control	17	UT	CPAF-2	84-061	S-1,IDGeo 60%	S-1,IDGeo 25% 360° S-2,IDGeo 20% 360°	None
		PT		84-033	None	None	None
Jet Pump Instrumentation B (NFB)	16	UT.	JPBF-2	84-050	S-2,Geo, 50%	S-2,ID Geo 25% S-3,ID Geo 15% CCW.5:00to6:00 ID Geo 15% CCW.5:00to8:00 ID Geo 30% Entire Length.	No S-5S & S-7S, Config.
	-	РТ		84-043	None	None	None

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
Instrumentation Lines 'A' (N11A)	18	UT	VIAF-2	84-075	S-1,Geo 25%	S-1,ID Geo 15% S-1,OD Geo 25% S-2,ID Geo 20%	None
		РТ		84-070	None	S-2,OD Geo 25% None	None
'B' (N11B)	18A	UT	VIBF-2	84-074	S-1,Geo 20%	S-1,ID Geo 30%	None
	•	` PT		84-071	None	S-2,ID Geo 20% S-2,OD Geo 25% None	None
"A" (N12A)	19	UT	VICF-2	84-164	S-1,ODGeo 25% S-2,ODGeo	None	None
		PT		84-161	30% None	None	None
"B" (N12B)	19	UT PT	VIDF-2	84-165 84-163	None None	None None	None None
B5.50 Safe-end Welds							
Core Spray 'A' (TW7-8"EF)	6A	UT	CSP-90-7	84-220	S-1,IDGeo 50% ODGeo 60% S-2,IDGeo	None	None
		PT		84-259	55% None	None	None
		UT	CSAF-14	84-096	S-1&2,Geo	S-1,IDGeo, 20% - 360° S-3,ODGeo 20% spot	S-2 B.E.,elbow inside radius
		PT		84-103	None	S-4,0DGeo 20% None	None

TABLE

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
Core Spray "A"		UT	CSAF-18	84-094	S-1&2,Geo	S-1,ID,ODGeo 35% - 360° S-2,ID.ODGeo 35% - 360° S-3,ODGeo.	S-2 B.E. elbow inside Radius
		РТ		84-098	None	✓ 20% - 360° None	None
Core Spray "B" (TW11-8"EF)	6B	UT	CSP-270-7	84-184	S-1,IDGeo 90% OD,Geo 30%	S-1,ID,ODGeo 25% - 360° S-2,ID,ODGeo 20% - 360°	None
					S-2,ID Geo 70%	S-3,4,1s,2s Spot ID 03:00	
		PT ·		84-182	None	None	None
•		UT	CSP-270-9	84-213	S-1,IDGeo 60% S-2,IDGeo	None	None
		РТ		84 - 156	105% None	None	None
		UT	CSBF-12	84-093	S-1,S-2 Geo	S-1,IDGeo 20% 9:00 to 12:00 S-2,ODGeo 20% - 360° S-3,ODGeo 30%	S-1 B.E. Elbow Inside Radius
		PT		84-102	None	S-4s,ODGeo 20% - 360° None	None

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
Core Spray "B" cont'd		UT	CSBF-16	84-105	S-1,S-2 Geo	S-1, ID/ODGeo 25/35%-360° S-2, ID/ODGeo 25/35%-360° S-3, ID/ODGeo 20/30%-360° S-4, ODGeo 20-30% 010:00 S-1s, ODGeo 20-25%-360° S-2s, ID/ODGeo 20/30%-360° S-3s, ODGeo 25-35%-360° S-4s, ODGeo 25-35%-360°	None
		PT ·		84-101	None	None	None
HPCI STEAM (PS 18-8"EF)	7	UT	PSAF-2B	84-113	None	S-1,0D Geo.35% S-2,ID Geo.35% S-2,0D Geo.40% S-3,ID Geo.25% S-3,0D Geo.35% S-4,ID Geo.25% S-4,0D Geo.35% S-1s,0D Geo.30% S-2s,0D Geo.30% S-3s,ID Geo.25% S-3s,0D Geo.35% S-4s,ID Geo.25% S-4s,0D Geo.35%	None
		PT		84-109	None	None	None

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
HDCI Steam cont'd	7	UT PT	PSAF-2C	84-114 84-110	S-1,ID, Geo.60% None	S-1, ID Geo.100% S-1,0D Geo.100% S-2,0D Geo.35% S-3,0D Geo.25% S-4,ID Geo.25% S-4,0D Geo.25% S-1s,0D Geo.30% 9:00 to 12:00 S-2s,0D Geo.35% S-3s,0D Geo.35% S-4s,0D Geo.30% Arc Strike at	None
		PT PT	• •	84-110 84-110R	none	Arc Strike at 7:00 None Arc Strike Buffed Out	None
Residual Heat Removal (REW20-16"EF)	118	UT	RHBF-20	84-089	S-1,ID Geo.45%	<pre>S-2,ID Geo 30% S-3,OD Geo 15% 12:00 S-2s,Spot,15% 10:00 S-3s, OD Geo 20% 9:00 S-4s, 3 Linears 20% 11:00</pre>	None
		PT		84-085	None	None	None
	11B	PT	RHBF-24	84-082	None	None	None
(REW30-16"DC)	11C	UT	RHCF-20	84-087	S-1,ID/OD Geo.25%	S-1,ID/OD Geo 30% - 360° S-2,Spot At 12:00 & 3:00 25%	None

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
(REW30-16"DC)					S-2,ID/OD Geo 60%	S-3,Spot At 12:00 20% S-4,Linear at 6:00 20% S-2s Linear at 4:00-12:00 20%	
		PT		8 4- 079	None	None	None
		PT	RHCF-23	84-080	None	None	None
B7.70 Bolts,Studs,and Nuts (Valve)							
Core Spray "A"	6A	VŤ VT	POS-1758 A014-13B	84-108 84-107 84-107R	None None	None Loose Nut None, tightened	None None
Core Spray "B"	6B	٧T	MO-1753	84-172	None	Nut None	None
High Pressure Coolant Injection - Steam	7	VT	MO-2035	84-128	None	None	None
Reactor Water Clean-Up	9	VT	M02398	84-183	None	None	None
Residual Heat Removal (REW10) (REW30) (TW-36)	11A 11C 11D	VT VT VT	M02029 M02014 M02026	84-216 84-169 84-173	None None N/A	None None None	None None None
Standby Liquid Control	22	ТЛ	XP-8	84-215	N/A	None	None
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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
B8.10 <u>Integrally Welded</u> <u>Attachments</u> Rx Support Skirt 120° - 180°	Fig	S MT	HCAH-2	84-257 84-257F	N/A	9 Linears between 170° - 180° None,Linears Removed	None
<u>B9.11 & B9.12 Circumfenert</u> <u>& Longitudinal Welds</u> Core Spray "A" (TW7-8"ED)	<u>al</u> . 6A	UT	CSAJ-19	84-180	NONE	S-2,ID Geo. 25% - 360°	No S-1 due to location of penetration
(TW7-8"EF)		MT		84-179	N/A	None	Exam limited on upstream side of weld due to penetration
	•	UT	CSAJ-16	84-095	S-2,GEO	S-2,0D Geo. 20% - 360° S-3,0D Geo. 20% - 360° S-3s,0D Geo. 25% - 360° S-4s,0D Geo. 20% - 360°	No.S-1,S-1s, S-2s Config. (Valve)
		PT		84-104	N/A	None	None

TABLE<u>II</u> PAGE<u>11 OF 16</u>

COMPONENT/SYSTEM	NSP ISO	ND E METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
Core Spray cont'd		UT	CSĄJ-17	84-106	S-1,Geo.	S-1,0D Geo. 25-35%-360° S-4,0D Geo. 20-25%,04:00 S-1s,0D Geo. 25-35%-360° S-2s,0D Geo.	No S-2,S-3s, S-4s,Config. (Valve)
		PT		84-097	N/A	25-35%-360° None	None
Core Spray "B" (TW11-8"ED)	6B	UT	CSBJ-21	84-170	NONE	S-1,S-2,ID OD Geo.50% intermittent S-3,ID Geo. 30% - 12:00 S-4,OD Geo. 30% - 4:30	None
•		MT		84-175	N/A	None	None
		UT	CSBJ-22	84-171	NONE	S-2,ID,OD Geo 50% intermittent S-4,ID,OD Geo 20%	No S-1 due to Config.(valve)
	•	· MT		84-174	N/A	intermittent None	None
(TW11-8"EF)		UT	CSBJ-13	84-092	None	OD Geo. 20% @9:00	No S-1,S-1s, S-2s,Config. (Valve)
		РТ		84-099	None	None	None

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
(TW11-8"EF)		UT	CSBJ-14	84-091	S-1,Geo.	S-1,0D Geo. 30% - 360° S-4,0D Geo. 20% - 4:00 S-1s,0D Geo. 40% - 360° S-2s,0D Geo. 30% - 360°	No S-2,S-3s, S-4s,Config. (Valve)
	.•	PT	•	84-100	None	None	None
Residual Heat Removal (RE10-18"ED)	11A	UT MT	RHAJ-25	84-243 84-195	M1SMATCH N/A	None None	None None
	11A	UT	RHAJ-26	84-245	MISMATCH	S-1,ID/OD Geo 130%/60%-360° S-2,ID/OD Geo. 100%/25%-360°	None
•		MT UT	RHAJ-27	84-178 84-244	N/A N/A	None None	None No S-2 due to penetration S-3,S-4 limited
		MT		84-242	N/A	None	because of penetration None
(TW20-16"DB)	11B	UT	RHBJ-21	84-090	None	S-2 Linear 20% @11:00 S-3,ID.Geo. 15% @10:00 S-4s Linear 15% @11:00	No S-1,S-1s, S-2s due to Config.

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
(TW20-16"DB)		PT PT	RHBJ-22	84-084 84-083	None None	None None	None as welded condition
(TW30-16"DB)	11C	ÜΤ	RHCJ-21	84-088	None	S-2,Spot Ind. 15% @11:00 ID Geo.15%-360° S-3 & 4,Spot,Ind 15% @ 9:00 ID.Geo 15%-360° S-3sSpot Ind. 20% 11:00 ID Geo.15%-360° S-4s,Multiple Spot Indications 15%-12:00to3:00 ID Geo.10%-360°	
		PT		84-086	None	None	None
		PT	RHCJ-22	84-081	None	None	As welded condition
RHR (TW36-4"ED)	11D	UT PT	RHDJ-2	84-139 84-136	None None	S-2,ID Geo.40% 360° Inter. None	No S-1 due to flange None
Jet Pump Instrumentation"B"	16	UT PT	JPBJ-3	84-051 84-042	ID,OD,Geo. 75% None	S-2,3,4 ID/OD Geo. 20%/30%-360° S-9,10,11,12 ID/OD Geo. 15%/25%-360° None	No S-1 due to config. None
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TABLE	I	I	
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ſ	COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
	Jet Pump Instrumentation *NOTE: Not Specifically Listed Under Class 1 or Class 2	16	UT	Weld #1	84-052	N/A	S-1,2,ID Geo. 25%-360°Inter. S-3,S-4 Linear Axial indicat. 25%-360° Inter. S-4s Linear .	
			РТ		84-041	N/A	Indic.25% @11:00 None	None
		· 1	UT	Weld #2	84-053	N/A	S-2,0D.Geo. 20% 08:00	None
			PT		84-040	N/A	None	None
			PT	Weld #3	84-039	N/A	None	None
	Instrumentation Lines(N11A)	18	UT	VIAJ-19	84-214	N/A	S-1,3,4,1s, 2s,3s,4s,0D Geo 20%-360° Inter.	No Scan on weld crown due to roughness S-2 limited to
	B9.21 & B9.22 Circumferenti and Longitudinal Welds	11	PT		84-200	N/A	None	1" due to Config. None
	Reactor Core Injection Coolant-Steam	12	MT	RSAJ-4	84-197	NONE	None	None
	(PS17-3"ED)		MT	RSAJ-5	84-196	NONE	None	None
	B9.40 Socket Welds Head Vent	15	MT MT	50 51	84-143	N/A	None	None
	(V15-2"ED)		MT MT MT	51 58 59	84-142 84-141 84-144	N/A N/A N/A	None None None	None None None

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
Instrumentation Lines	18	PT PT PT	VIAJ-3 VIAJ-2 VIAJ-1	84-069 84-201 84-202	None None None	None None None	None None None
Standby Liquid Control (CH2-1½"EF)	22	PT	CPAJ-22	84-032	None	None	None
<u>B11.10 Component Supports</u>							
Core Spray"A" (TW7-8"EF)	6A	VT	CSAK-15	84-111	None	None	None
Core Spray"B" (TW11-8"EF)	6B	VT	CSBK-6	84-112	None	None	None
Residual Heat Removal (TW30-16"DB)	110	VT VT	RHCK-9 RHCK-10	84-260 84-261	None None	None None	None None
Reactor Core Injection Coolant-Steam (PS17-3"ED)	12	VT.	RSAK-6	84-217	N/A	None	None
Head Vent (V15-2"ED)	15	VT	HVAK-21	84-218 84-218R	N/A	Loose Nut Loose nut tight- ened, bent hangar rod, NOTE:Bent hangar rod was evaluated and accepted as is.	Hangar Drawing Not Available
Standby Liquid Control (CH2-1½")	22	VT	CP A K-20	84-219	None	None	Hangar drawing not available

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TABLE II PAGE 16 OF 16

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
B13.10 Vessel Interior							
Core Spray System		VТ	Appendix H	84-149	None	None	None
Feedwater System		VT	Appendix I	84-148	None	N4C&N4D crack indications on sparger nozzles	None
B13.2 Vessel Interior Attachments						,	
Shroud Support welds		VT .	Appendix J	84-150	None	None	None
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APPENDIX B

ASME CLASS 2 EXAMINATIONS

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S1.2 TABLE PAGE 1

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INSERVIC	E INSPEC	TION-EXAMINATION SUMMARY	MAJOR ITEM: VESSEL WELDS				
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C1.10	C-A	SHELL CIRCUMFERENTIAL WELDS					
		RHR HEAT EXCHANGERS E-200A	ONE	(3)	- 1	- W-1	MULTIPLE VESSELS 84-037, 177
		E-200B	TWO THREE		-	-	 -
C1.20	C-A	HEAD CIRCUMFERENTIAL WELDS					
		RHR HEAT EXCHANGERS E-200A E-200B	- TWO	(1) - 1	-	-	-
C1.30	C-A	TUBE SHEET TO SHELL WELDS	-	-	-	-	-
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MAJOR ITEM: NOZZLE WELDS

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SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C2.10	C-B	NOZZLES IN VESSELS 1/2 IN. OR LESS IN NOMINAL THICKNESS	-	-	-	-	-
C2.20	C-B	NOZZLES IN VESSELS OVER 1/2 IN. IN NOMINAL THICKNESS					
		RHR HEAT EXCHANGERS E-200A	ONE	1	1	W-7	84-027, 84-176
		E-200B	TWO TWO THREE	1 1 1		-	
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TABLE 53.2 **MAJOR ITEM:**

PAGE 1 OF 9 SUPPORT MEMBERS

SUB ITEM	EXAM CATE-						
	CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C3.10	C-C	INTEGRALLY WELDED SUPPORT ATTACHMENTS	-	-			
		RHR HEAT EXCHANGERS E-200A	ONE TWO	(3) 1	2	Support"A"&"B"	84-044
		E-200B	THREE	1 1			
C3.20	C-C	COMPONENT SUPPORTS					
		RHR HEAT EXGHANGERS E-200A	ONE TWO	2 1	2	Support"A"&"B"	84-044
		E-200B	TWO THREE	1 2			
C3.40	C-C	SUPPORTS-MECHANICAL AND HYDRAULIC	-	-			
		PIPING	-	-		•	
C3.40	C-C	*INTEGRALLY WELDED SUPPORT ATTACHMENTS					*INCLUDES THE CORRESPONDING
		MAIN STEAM A	ONE TWO THREE	1 - -			C3.50 (VT-3) & C3.60 (VT-4) EXAMINATIONS WHERE APPLICABLE
		MAIN STEAM B	ONE TWO THREE	- 1 -			
		MAIN STEAM C	ONE TWO THREE	- 1 -			

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 SUPPORT
 MEMBERS

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT	AMT. EXAM		INSPECTION REPORT NO.
C3.40	C-C	(CONTINUED)		· · · · · · · · · · · · · · · · · · ·			<u></u>
		MAIN STEAM D	ONE TWO THREE	- - 1			
		SUPPLY TO STEAM SEAL SYSTEM	ONE TWO THREE	- - 1			
		HPCI WATER DISCHARGE	ONE TWO THREE	1 1 -	1	CIAK-31	82-101
		HPCI STEAM	ONE TWO THREE	- 1 1			
•		HPCI STEAM DISCHARGE	ONE TWO THREE	-2	. •	•	
		CORE SPRAY A DISCHARGE	ONE TWO THREE	1 1 -	1	CSAK-35	84-067, 067R
		CORE SPRAY B DISCHARGE	ONE TWO THREE	- - 2			
	· .	REACTOR WATER FROM SKIMMER SYSTEM	ONE TWO THREE	1 1 1		-	
		• • • • •					,
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			SUPPORT MEMBE				
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C3.40	C-C	(CONT INUED)				· · · · · · · · · · · · · · · · · · ·	
		RHR SERVICE WATER	ONE TWO THREE		1	SWAK-42	82-292, 109, 109R
		RHR SUCTION A	ONE TWO THREE	2			
		RHR DISCHARGE A	ONE TWO THREE	- 1 . -			
		RHR SUCTION B	ONE TWO THREE	- - 2	•		
		RHR DISCHARGE B TW19-10"GE	ONE TWO THREE	- 1 -		•	
		TW20-16"GE	ONE TWO THREE	- - 1			
		CONTAINMENT SPRAY A & B	ONE TWO THREE	1 1 2			

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TABLE S3.2

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SUPPORT MEMBERS

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NSERVIC	E INSPECT	TION-EXAMINATION SUMMARY		• •		MAJOR ITEM:	SUPPORT MEMBERS
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C3.50	C-C	<u>*COMPONENT SUPPORTS</u>					*INCLUDES THE CORRESPONDING C3.60 (VT-4) EXAMINATIONS
		MAIN STEAM A	ONE TWO THREE	2 2 2			WHERE APPLICABLE
		MAIN STEAM B	ONE TWO THREE	2 2 2			
		MAIN STEAM C	ONE TWO THREE	2 2 2			
		MAIN STEAM D	ONE TWO THREE	2 2 2		•	
		SUPPLY TO STEAM SEAL SYSTEM PS11-6"ED PS14-6"ED	ONE TWO THREE	2 2 3	·		
		PS7-10"ED	ONE TWO THREE	3 3 3			
		PS7-8"ED	THREE	2			
		MAIN STEAM EQUALIZER HDR	ONE TWO THREE	- 2 1			

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TABLE S3.2

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NSERVIC	E INSPECT	TION-EXAMINATION SUMMARY				MAJOR ITEM:	SUPPORT MEMBERS
SUB ITEM	EXAM CATE- GQRY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C3.50	C-C	(CONTINUED)					
		HPCI WATER DISCHARGE	ONE	6	7	TWH-38, CIAK-59 SR-69, SS-35	82-106, 82-086 84-011
		•	TWO THREE	6 5		CIAK-26,27A,28	84-019,012,013
		HPCI WATER SUCTION	ONE TWO THREE	- 2 2			
	HPCI STEAM TWO 5 THREE 5 HPCI STEAM TDAK-23, 25, 2	TDAK-23, 25, 26	82-108, 107, 103				
		HPCI STEAM DISCHARGE	ONE TWO THREE	2 4 -			
		CORE SPRAY A SUCTION	ONE TWO THREE	2 2 1	2	TWH-53,54	84-006, 010
		CORE SPRAY A DISCHARGE	ONE TWO THREE	5 6 5	4	TWH-81,82 CSAK-31,32A	84-009, 008 84-066, 066R, 068
		CORE SPRAY B SUCTION	ONE TWO THREE	1 - 3	1	TWH-55	84-018
		CORE SPRAY B DISCHARGE	ONE TWO THREE	3 4 5	3	TWH-69,70,113	84-058, 058R, 016 016R, 015, 015R

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MAJOR ITEM:
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 SUPPORT
 MEMBERS

	SERVICE INSPECTION-EXAMINATION SUMMARY				MAJOR ITEM: SUPPORT MEMBERS			
	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION QF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.	
C3.50	C-C	(CONTINUED)						
	· ·	REACTOR WATER FROM SKIMMER SYSTEM	ONE TWO THREE	2 - 4				
		RCIC WATER SUCTION	ONE TWO THREE	1 1 -	1	TW-25	84-014	
		RCIC STEAM DISCHARGE	ONE TWO THREE	2 2 2	3	SS-38A&B,RSH-13	82-102,102R,104,105	
		RHR SERVICE WATER	ONE	5	5	SWAK-25,26,31 34,43	84-235,235R,024, 024R,017,023,023R 043	
			TWO THREE	5 6				
		RHR SUCTION A REW10-18"HE	ONE TWO THREE	2 2 -	2	SS-21,TWH-7	84-133,131,131R	
		TW14B-20"HE	ONE TWO THREE	2 1 `-	2	TWH-6,SS-24	84-031,029	
		TW28-20"HE	ONE TWO THREE	- - 3				
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SUB ITEM

C3.50

COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.	
(CONTINUED)						
RHR DISCHARGE A TW29-10"GE	ONE TWO THREE	1 1 2	1	TWH-61	84-030	
TW30-14"GE	ONE	3	3	TWH-63,SS-25,	84-028,132,076,	
	TWO THREE	3 2		TWH-73	076R	
TW30-16"GE	ONE TWO THREE	- 1 -				
TW30-16"DE	ONE TWO THREE	1				

EXAM CATE-GORY C-C

MAJOR ITEM:

TABLE 53.2 PAGE 7 7 OF 9 SUPPORT MEMBERS

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			THREE	1			
		TW27-20"HE	ONE TWO	-21			
		TW14A-20"HE	ONE TWO THREE	2 - 2	2	TWH-16, TWH-58	82-291, 82-290
		RHR SUCTION B REW10-18"HE	ONE TWO THREE	- - 4		•	
		TW30-10 DE	TWO THREE	- 1 -			

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INSERVIC	SERVICE INSPECTION-EXAMINATION SUMMARY					SUPPORT MEMBERS	
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C3.50	C-C	(CONTINUED)					
		RHR DISCHARGE B TW29-10"GE	ONE TWO THREE	- - 2			
		TW19-14"GE	ONE TWO THREE	- 1 -			
		TW20-14"GE	ONE TWO THREE	· 3 2 4	3	TWH-100,101,102	84-057,055,056
		TW22-14"GE	ONE TWO THREE	1 - -	2	TWH-168,SR-23	84-054,059
		CONTAINMENT SPRAY A & B TW23-12"GE	ONE TWO	2	2	SS-30, TWH-140	82-145, 140, 140R
		TW23-10"GE	THREE	3			
		TW33-12"GE TW33-10"GE	ONE TWO THREE	2 1 4	2	TWH-74, TWH-75	82-144, 82-143
C3.60	C-C	<u>*SUPPORTS - MECHANICAL</u> AND HYDRAULIC	_	-		, ,	*INCLUDED UNDER C3.40 & C3.50
		PUMPS					

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NSERVIC	E INSPEC	TION-EXAMINATION SUMMARY		•		MAJOR ITEM:	SUPPORT MEMBERS
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C3.70	C-C	*INTEGRALLY WELDED SUPPORT ATTACHMENTS					*INCLUDES THE CORRESPONDING C3.80 (VT-3) EXAMINATIONS
		RHR PUMPS (P-202D)	TWO THREE TWO ONE	1 1 1 1	1	Support "D"	84-065, 073
		CORE SPRAY PUMPS (14-1B)	THREE ONE	1 1	1	Support "B"	84-001, 007
C3.80	C-C	COMPONENT SUPPORTS	÷				
		HPCI TURBINE & PUMPS	ONE TWO THREE	3 3 5	1	Support "A"	82-110
		RCIC TURBINE & PUMP	ONE TWO THREE	1 1 2			
C3.90	<u>с-с</u>	SUPPORTS - MECHANICAL AND HYDRAULIC	-	-			
		VALVES					
C3.100	C-C	INTEGRALLY WELDED SUPPORT ATTACHMENTS	-	-			*INCLUDED UNDER C3.40, C3.50, & C3.60
C3.110	C-C	COMPONENT SUPPORTS	-	-			
C3.120	C-C	SUPPORTS - MECHANICAL AND HYDRAULIC	-	-			
FORM 17-2582	L						

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				.		MAJUR HEM: PRES	SURE RETAINING BULLING > 2
SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REO'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C4.10	C-D	BOLTS AND STUDS	-	-			
		PIPING					
C4.20	C-D	BOLTS AND STUDS	-	-			
		PUMPS					
C4.30	C-D	BOLTS AND STUDS	-	-			
		VALVES	· ·				
C4.40	.C-D	BOLTS AND STUDS	-	-			
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PAGE 1 OF 1 MAJOR ITEM: PRESSURE RETAINING BOLTING > 2"

TABLE_

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TABLE 55.2

MAJOR ITEM: PIPING PRESSURE BUUNDARY

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REO'D AMT	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C5.10	C-F	PIPING WELDS 1/2 in. OR LESS NOMINAL WALL THICKNESS					RELIEF NO. 15
C5.11 & C5.12	C-F	CIRCUMFERENTIAL AND *LONGITUDINAL WELDS	· .				*2.5T MIN. FROM
		. u					EACH SCHEDULED CIRC WELD INTER- SECTION WILL BE EXAMINED
		('75 CATEGORY C-F)					
		SUPPLY TO STEAM SEAL SYSTEM PS10-5"	ONE THREE	3 · 2			
		PS11-6"ED PS12-6"ED PS13-6"ED PS14-6"ED	ONE - - THREE	1 - - 1		•	
		RHR SUCTION A & B REW10-18"HE	ONE TWO THREE	· 2 2 2	2	32, 403	82-184, 82-183
		TW14B-20"HE TW14A-20"HE	ONE -	. 1 -	1	355	82-365
		TW16-14"HE TW18-14"HE	TWO -	1 -			
		TW15-14"HE TW17-18"HE	THREE	· - 1.			
RM 17-2582		·					

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 MAJOR ITEM:
 PIPING PRESSURE BOUNDARY

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SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT, EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C5.11 & C5.12	C-F	(CONTINUED)					
		RHR DISCHARGE A & B TW29-10"GE TW19-10"GE	TWO TWO THREE	2 1 2		Э	
		TW29-14"GE TW19-14"GE	ONE TWO	1 2	1	16	84-047
		TW30-14"GE TW20-14"GE	ONE TWO TWO THREE	2 3 2 2	2	369, 370	84-049, 84-048
		TW30-16"GE TW20-16"GE	TWO One	1 1	1	25	84-077
		TW22-14"GE	ONE	1	1	348	84-078
-		('75 CATEGORY C-G)					
		HPCI WATER SUCTION TW1-14"HE C16-14"HE	TWO THREE	2 1	•		
		HPCI STEAM PS18-8"ED	TWO THREE	2 2			
	-	HPCI STEAM DISCH RS2-16"HE	TWO THREE	2 1			
				,			

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TABLE _____ S5.2

PAGE 3 OF 7 MAJOR ITEM: PIPING PRESSURE BOUNDARY

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SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
C5.11 & C5.12	C-F	(CONTINUED)					· · · ·
		RS2-18"HE RS2-20"HE	THREE	1 -		•	
	-	CORE SPRAY A & B SUCTION TW6-12"HE TW10-12"HE	ONE THREE	2 2	2	18, 532	84-004,005
		CORE SPRAY A & B DISCHARGE TW7-10"GE TW11-10"GE	ONE TWO THREE	2 1 2	2	1, 4	84-003,002
		TW7-8"ED TW11-8"ED	ONE -	1 -	1	CSAJ-32	84-072
		TW8-8"GE TW12-8"GE	- THREE	- 1			
		REACTOR WATER FROM SKIMMER SYSTEM REW11-8"HE	ONE TWO THREE	1 2 1			
		RCIC WATER SUCTION TW5-6"HE C17-6"HE	ONE TWO THREE	1 1 1	1	14	82-100

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TABLE _____ S5.2

PAGE 4 OF 7 MAJOR ITEM: PIPING PRESSURE BOUNDARY

SUB ITEM	EXAM CATE- Gory	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C5.11 & C5.12	C-F	(CONTINUED)				· · ·	
		RCIC STEAM DISCHARGE RS3-8"HE	ONE TWO THREE	1 2 1			
		RHR SERVICE WATER SW9-8"GE	ONE TWO THREE	2 2 2	2	SWAJ-39,40	84-186,185
•		RHR SUCTION A & B TW28-20"HE TW27-20"HE	ONE TWO	1 1 1	1	3	84-046
	•	CONTAINMENT SPRAY A & B TW23-12"GE TW33-12"GE	ONE TWO THREE	1 1 1	1	22	82-142
		TW23-10"GE TW33-10"GE	ONE THREE	1 1	1	28	82-141
	C-F	FEEDWATER TO RWCU TO HPCI	ONE		6	AUGMENTED W-1 W-2 W-3 W-4 W-12 W-12A	84-115, 121 84-116, 122 84-117, 123 84-120, 126 84-118, 124 84-119, 125
ORM 17-2582							

TABLE _____ S5.2

PAGE 5 OF 7 MAJOR ITEM: PIPING PRESSURE BOUNDARY

SUB ITEM	EXAM CATE- GQRY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. Exam	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C5.11 & C5.12	C-F	CONTROL ROD DRIVE TO REACTOR WATER CLEAN-UP	ONE		5	AUGMENTED W-7 W-11 W-12	84-247, 253 84-246, 258 84-250, 256
						W-13 W-14	84-249, 254 84-248, 255
C5.20	C-F	PIPING WELDS OVER 1/2 in. NOMINAL WALL THICKNESS					- · ·
C5.21 & C.22	C-F	CIRCUMFERENTIAL AND *LONGITUDINAL WELDS				-	*2.5TMIN FROM EACH SCHEDULED CIRC WELD INTER-
		('75 CATEGORY C-F)					SECTION WILL BE EXAMINED
		MAIN STEAM A,B,C,&D PS1-18"ED PS2-18"ED PS3-18"ED PS4-18"ED	ONE TWO TWO THREE	1 1 1 1			
		SUPPLY TO STEAM SEAL SYSTEM PS7-8"ED	ONE	2	2	SSAJ-35; SSAJ-37	82-142,111; 82-153,112
		PS7-10"ED	TWO THREE	3 2			82-153,112
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 MAJOR ITEM:
 PIPING
 PRESSURE

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C5.21 & C.22	C-F	(CONTINUED)					········
		MAIN STEAM EQUALIZER HDR PS30-18"EDB	ONE TWO THREE	2 1 2			
		10"DRIPLEG	-				
		FEEDWATER A & B FW2A-14"ED FW2B-14"ED	ONE -	1	1	FWDJ-38	82-025, 026
		RHR DISCHARGE A & B TW30-16"DB TW20-16"DB	- TWO	-1			
		('75 CATEGORY C-G) HPCI WATER DISCHARGE TW3-12"ED	ONE ONE TWO	1 2 3	3	CIAJ-62,29,30	84-129,130,22, 25,21,26
C5.30	C-F	PIPE BRANCH CONNECTIONS	THREE	1			
C5.31 & C5.32	C-F	CIRCUMFERENTIAL AND *LONGITUDINAL WELDS					*2.5T MIN FROM EACH SCHEDULED
		('75 CATEGORY C-F)			·		CIRC WELD INTER- SECTION WILL BE EXAMINED
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 TABLE
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 MAJOR ITEM:
 PIPING
 PRESSURE
 BOUNDARY

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C5.31 & C5.32	CF	<u>(CONTINUED)</u> SUPPLY TO STEAM SEAL SYSTEM PS11-6"ED PS12-6"ED PS13-6"ED	- - THREE	- - 1			MULTIPLE STREAMS
		PS14-6"ED RHR SUCTION A & B TW16-14"HE TW18-14"HE TW15-14"HE TW17-14"HE	- TWO - - -				MULTIPLE STREAMS
		RHR DISCHARGE B TW22-14"GE	·_	-			MULTIPLE STREAMS
	. ·	(CATEGORY C-G) REACTOR WATER FROM SKIMMER SYSTEM REW11-8"HE	TWO	1	•		SINGLE STREAMS
		RHR SUCTION A & B TW28-20"HE	ONE	1	1	820	84-045
		TW27-20"HE	-	-			
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TABLE S6.2 PAGE 1 OF 1

MAJOR ITEM: PUMP CASINGS AND VALVE BODIES

SUB ITEM	EXAM CATE- GORY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM	ITEM IDENTIFICATION	INSPECTION REPORT NO.
C 6. 10	C-G	PUMP CASING WELDS	-	-			
C 6. 20	C-G	VALVE BODY WELDS	-	-			
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SUB ITEM	EXAM CATE- GQRY	COMPONENT OR SYSTEM AND DESCRIPTION OF ITEM TO BE EXAMINED	INSP. PER.	REQ'D. AMT.	AMT. EXAM		INSPECTION REPORT NO.
C7.10 C7.20 C7.30 C7.40	С-Н С-Н С-Н С-Н	PRESSURE VESSELS PIPING PUMPS VALVES	-				*SYSTEM PRESSURE TEST PERFORMED BY PLANT EACH INSPECTION PERIOD
C7.11 C7.21 C7.31 C7.41	С-Н С-Н С-Н С-Н С-Н	PRESSURE VESSELS PIPING PUMPS VALVES	-				*SYSTEM HYDRO- STATIC TEST PERFORMED BY PLANT EACH INSPECTION INTERVAL
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PAGE 1 OF 1 PRESSURE RETAINING COMPONENTS

MAJOR ITEM:

TABLE _____ \$7.2

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TABLE II PAGE 1 OF 10

COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
<u>C1.10 Shell Circumferentia</u> <u>Welds</u>							
RHR Heat Exchangers (E-200A)	50	UT	W-1	84-177	N/A	None	No S-2 due to configuration
							scans limited for 15" @O° due to reinforncing pad, scans limited @appro 200° due to 1"
	• .	мт		04 007			branch connection
<u>C2.20 Nozzle in Vessels</u> over ½" in thickness		МТ		84-037	N/A	None	None
RHR Heat Exchangers (E-200A,Nozzle N3,Inlet)	50	UT	W-7	84-176	N/A	S-1 IDGeo ▶ 100%	Used 70° Angle to reach root of weld No S-2 due to configuration, S-1,3,4, B.E. due to config.
		MT		84-027	N/A	None	None
<u>C3.10 Integrally Welded</u> Support Attachments							
RHR Heat Exchangers (E-200A)	50	MT	Support"A"	84-038	N/A	None	None
		MT	Support"B"	84-038	N/A	None	None
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TABLE II PAGE 2 OF 10

COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
C3.20 Component Supports			· .				
RHR Heat Exchangers	50	VT	Support"A'	84-044	N/A	None	None
(E-200A)		УТ	Support"B'	84-044	N/A	None	None
C3.40 Integrally welded Support Attachments				01 011		None	None
Core Spray"A" (TW7-10"GE)	34A	МТ	CSAK-35	84-060	N/A	None	None
(10/-10/02)		VT		84-067	N/A	Loose Nut	
		VT		84-067R		None, Loose nut tightened	None
<u>C3.50 Component</u> Supports							
HPCI Water Discharge (TW3-12"ED)	31	VT	SR-69	84-011	N/A	None	None
(1WJ-12 ED)		VT	SS-35	84-011	N/A	None	None
		VT [.]	CIAK-26	84-019	N/A	None	None
		VT	CIAK-27A	84-012	N/À	None	None
		· VT	CIAK-28	84-013	N/A	None	None
Core Spray"A" Suction (TW6-12"HE)	34	VT	TWH-53	84-006	N/A	None	Hangar drawing not available
		VT	TWH-54	84-010	N/A	None	None

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TABLE II PAGE <u>3 OF 10</u>

COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
<u>C3.50 Component</u> Supports							
Core Spray"A"Discharge (TW7-10"GE)	34	VT	TWH-81	84-009	N/A	None	None
(10 42)		VT	TWH-82	84-008	N/A	None	None
(TW9-8"ED)	34A	VT -	CSAK-31	84-066	N/A	Loose Bolts	None
	•	VT		84-066R	- -	None,Bolts Repaired	Nóne
		VT	CSAK-32A	84-068	N/A	None	Hangar drawing not available
Core Spray"B"Suction (TW10-12"HE)	35	VT	TWH-55	84-018	N/A	None	None
Core Spray"B"Discharge (TW11-10"GE)	35	٧T	TWH-69	84-058	N/A	Loose Bolt	None
		VT		84-058R		None,Loose Bolt Repaired	None
		VT	TWH-70	84-016	N/A ·	Loose Bolt	None
		VT		84-016R		None,Loose Bolt Repaired	None
		VT	TWH-113	84-015	N/A	Loose Bolt	None
		VT		84-015R		None,Loose Bolt Repaired	None
RCIC Water Suction (TW5-6"HE)	38	VT _.	TW-25	84-014	NŻA	None	None

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TABLE II PAGE <u>4 OF 10</u>

COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
<u>C3.50(cont.)</u>							
RHR Service Water (SW9-8"GE)	39 .	VT	SWAK-25	84-235	N/A	Loose Nut	Hangar drawing not available
		VT		84-235R		None,Loose Nut tightened	Hangar drawing not available
		· VT	SWAK-26	84-024	N/A	Loose Nuts	None
		VT		84-024R	· · · · ·	None,Loose Nuts Tightened	None
		VT	SWAK-31	84-017	NONE	None	None
		VT	SWAK-34	84-023	NONE	Loose Nut	None
		VT		84-23R		None, Nut Tightened	None
		VT	SWAK-43	84-043	N/A	None	None
RHR"A"Suction (REW10-18"HE)	40	VT	SS-21	84-133	N/A	None	None
		VT	TWH-7	84-131	N/A	Loose Bolt	None
	÷.	VT		84-131R		None,Loose Bolt Tightened	None
(TW14B-20"HE)		VT .	ſ₩H-6	84-031	N/A	None	None
		·VT	55-24	84-029	N/A	None	None
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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
<u>C3.50(Cont)</u>							· · · · · · · · · · · · · · · · · · ·
RHR"A"Discharge (TW29-10"GE)	41	ŅΤ	TWH-61	84-030	N/A	None	None
(TW30-14"GE)		VT	TWH-63	84-028	N/A	None	None
		VT	SS-25	84-132	N/A	None	None
		VT	TWH-73	84-076	N/A	Loose Bolt	None
	·	VT		84-076R		None,Loose Bolt Repaired	None
RHR"B"Discharge (TW20-14"GE)	43	۷T	TWH-100	84-057	[×] N/A	None	None
(***********		VT	TWH-101	84-055	N/A	None	None
		VT	TWH-102	84-056	N/A ·	Loose Nut	None
		VT		84-056R		None,loose nut Tightened	None
(TW22-14"GE)		VT	TWH-168	84-054	N/A	None	None
		VT	SR-23	84-059	N/A	None	None
C3.70 Internally Welded Support Attachments							· · · ·
RHR Pumps (P2O2D)	48	MT	Support D	84-073	N/A	None	None
		VT		84-065	N/A	None	None
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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
C3.70 Internally Welded Support Attachments		·					
Core Spray Pumps (14-1B)	49	МТ	Support B	84-001	N/A	None	None
(-, 10)		VT		84-007	N/A	None	None
C5.11 & C5.12 Circumferent <u>& Longitudinal e ds ess</u> than <u>}</u> " wall thickness	1						
RHR"A"&"B"Discharge (TW29-14"GE)	41	МТ	16	84-047	N/A	None	None
(TW30-14"GE)		MT	369 _.	84-049	N/A	None	None
		MT	370	84-048	N/A	None	None
(TW20-16"GE)	43	MT	25	84-077	N/A	None	Nóne
(TW22-14"GE)	·	MT	348	84-078	N/A	None	None
Core Spray"A"Suction (TW6-12"GE)	34	MT	18	84-004	N/A	None	None
(IWD-12"GE)		MT	532	84-005	N/A	None	None
Core Spray"A"Discharge (TW7-10"GE)	34	MT	1	84-003	N/A	None	None
(107-10 GE)		MT	4	84-002	N/A	None	None
(TW7-8"ED)	34A	MT	CSAJ-32	84-072	N/A	None	None
RHR Service Water (SW9-8"GE)	39	MT	SWAJ-39	84-186	N/A	None	None
(3 1 3-0 ul)		MT	SWAJ-40	84-185	N/A	None	None

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	COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
ſ	<u>C5.11 & C5.12(con.t)</u>							
	RHR "A" Suction (TW28-20"HE)	40	MT	3	84-046	N/A	None	None
	Feedwater to RWCU to HPCI	37	UT	W-1	84-115	NONE	None	None
			MT		84-121	NONE	None	None
		· · ·	UT	W-2	84-116	NONE	S-1 IDGeo.100% 360° Inter.	S-2 limited 11:00 to 1:00 due to inside radius of tee
		· · ·	MT	•	84-122	NONE	None	None
	•		UT	W-3	84-117	S-1 ID,0D Geo 30%, 360°	S-2 IDGeo.75% 360° Inter.	S-1 limited 11:00 to 1:00 & 5:00 to 7:00 due to inside radius of tee
			MT		84-123	NONE	None	None
		i I I I I I I I I I I I I I I I I I I I	UT	W-4	84-120	S-1 ID,Geo 80° 360 Inter.	S-1 ODGeo 30% 360° Inter.	S-1 limited 11:00 to 1:00 due to inside radius of tee
			MT		84-126	NONE	None	None
	JES030885WMH04_LT		UT	W-12	84-118	S-1 OD GEO 9:00 to 10:00 80% S-2 ID,0D Geo 6:00 to 12:00 40%	S-1 ODGeo.75% 360° Int.	S-2 limited to 1 node due to adjacent weld

TABLE II PAGE <u>8</u> OF <u>10</u>

	COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
	<u>C5.11 & C5.12(cont)</u>		MT		84-124	NONE	None	None
			UŢ	W-12A	84-119	NONE	None	No S-2 due to config.S-1 limited to 1 node due to adjacent weld
			MT		84-125	NONE	None	None
	Control Rod Drive to Reactor Water Clean Up		UT .	W-7	84-247	NONE	S-1 ID,ODGeo. 20% S-2 ID,ODGeo. 20%	S-1 limited 10:00 to 12:00 due to inner radius of elbow
			· PT		84-253	NONE	None	None
	•		UT	W-11	84-246	NONE	S-1 ODGeo.120% 360° Inter.	No Scan 2,3s,4s due to tee config.
I			РТ		84-258	NONE	None	None
			UT	W-12	84-250	NONE	S-1 IDGeo.100% 360° S-2 ID,0DGeo 20% 360° Inter.	None
		÷	PT		84-256	NONE	None	None
			UT	W-13	84-249	NONÉ	S-1 IDGeo 100% @12:00 S-2 ID,0DGeo. 20% 360° Inter.	No S-1 from 4:30 to 7:30 due to config. of tee

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
<u>C5.11 & C5.12(cont)</u>		РТ	. •	84-254	•NONE	None	None
		UT	W-14	84-248	NONE	S-1,ID,ODGeo 20% 360°Inter. S-2 ID,ODGeo 20% 360°Inter.	S-2 limited from 10:00 to 2:00 due to inside radius of elbow
		PT		84-255	NONE	None	None
<u>C5.21 & C5.22</u> <u>Circumferential &</u> <u>Longitudinal Welds Over</u> <u>1/2" Wall Thickness</u>	•						
HPCI Water Discharge (TW3-12"ED)	31	UT ·	CIAJ-62	84-130	N/A	S-1,0DGeo. 50% 360° Inter.	None
		MT		84-129	N/A	None	None
	· · ·	UT	CIAJ-29	84-025	N/A	None	No S-2 due to config. of valve
		MT		84-022	N/A	None	None
	Ļ	UT	CIAJ-30	84-026	N/A	None	No S-1 due to config.of valve
	Ť	MT		84-021	NZA	None	None

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COMPONENT/SYSTEM	NSP ISO	NDE METHOD	BASELINE IDENT.	REPORT NO.	BASELINE INDICATIONS	ISI INDICATIONS	EXAMINATION LIMITATIONS
<u>C5.31 & C5.32 Branch</u> <u>Connections</u> RHR"A" Suction (TW28-20"HE)	40	MT	820	84-045	N/A	None	None
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APPENDIX C

TABLE	I	-	PERSONNEL LISTING
TABLE	Π	-	ULTRASONIC CALIBRATION BLOCKS
TABLE	III	-	PROCEDURE LISTING
TABLE	I۷	-	EQUIPMENT AND MATERIALS

APPENDIX C

I

PERSONNEL LISTING

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PERSONNEL LISTING						PAGE 1 of	2
EXAMINER	TITLE	ORGANIZATION	UT	ASN PT			RT
G.R. ADAMS	SUPERVISOR	LMT ⁽²⁾	III	III	III	III(lc)	-
R.G. AUER	TECHNICIAN	LMT	II	II	II	II(lc)	-
W.D. CARLIN	TECHNICIAN	LMT	I	ΙI	-	II(1b)	-
J.D. ELLIOTT	TECHNICIAN	LMT	II	II	II	II(1b)	-
S.R.FETHERSTON	TECHNICIAN	LMT	I	-	I	-	-
D.A. HALL	TECHNICIAN	LMT	II	-	-	II(lc)	-
K.L. HALL	TECHNICIAN	LMT	I	-	-	-	-
R.A.KELLERHALL	SUPERVISOR	LMT	III	. III	III	III(la,c) -
T. KIMBALL	TECHNICIAN	LMT	II	II	II	II(lb,c)	-
Q. LOREDO	TECHNICIAN	LMT	I	-	-	- .	.
R.W. PECHACEK	TECHNICIAN	LMT	II	II	II	II(la,b)	-
K.E. SCRIVNER	TECHNICIAN	LMT	I	-	-	-	-
R.A. SEALS	TECHNICIAN	LMT	II	II	II	II(la,c)	-
E.L. THOMAS	SUPERVISOR	LMT	III	III	· III	III(la,c) -
R.J. WATKINS	TECHNICIAN	LMT	-	ÍI	-	II(lb)	-
A.S. WHEALDON	TECHNICIAN	LMT	II	II	II	II(1b)	-
K.S. ANDERSON	TECHNICIAN	G.E. ⁽³⁾	-	-	-	II	-
E.C. TAILLET	SUPERVISOR	G.E.	-			II	-
L.C. DAHLMANN	MATERIALS AND SPECIAL	NSP	II	III	III	II(la,b)	
	PROCESS SPECIALIST		Ļ.				
J.F. SCHANEN	MATERIALS	NSP	II	II	II	II (1b)	
	AND SPECIAL PROCESS	NOL		ΤT	.	II (ID)	-
	SPECIALIST						
	r				• •		
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APPENDIX____ TABLE I

PERSONNEL LIST	ING		PAGE 2 Of 2					
EXAMINER	TITLE	ORGANIZATION	ASNT LEVEL UT PT MT VT ET RT					
R. HUGHES	ANII	HARTFORD STEAM BOILER INSPECTION INSURANCE COMPANY						
· · ·								
FOOTNOTES: (la) (lb)	(1a) Certified by NSP to perform visual determination of structural integrity for hangar assemblies in accordance with NSP-VT2.0.							
	examinations in accordance with NSP-VT1.0.							
(1c)	Personnel certified in accordance with contractor's Quality Assurance Program.							
(2)	Organization:	Lambert, MacGil 515 Aldo Avenue Santa Clara, CA						
(3)	Organization:	General Electri 5353 Gamble Dri Minneapolis, MN	lve					
			· · · · · · · · · · · · · · · · · · ·					

MONTICELLO

ULTRASONIC CALIBRATION BLOCKS

APPENDIX C TABLE II PAGE 1 of 4

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NSP No.	SIZE & DIA.	PIPE SCHEDULE & THICKNESS	MATERIAL	SERIAL OR HEAT NUMBER	CALIBRATION REPORTS	DATE
RPV-1		5 5/16" +Clad	A533 BC.L1	C2220/1	RGA-001 RGA-002 RGA-003 TK-015 TK-016 TK-017	4-14-84 4-19-84 4-16-84 3-20-84 3-20-84 3-19-84
RPV-3		3.66" +Clad	SA533 BC.L.1	C9220	RAS-003 RAS-004 RAS-006	3-2-84 3-1-84 3-2-84
- 4	4"	80 .337"	A106B	L42009	RAS-001	2-28-84
5	8"	80 .500"	A106B	N53114	TK-014 RAS-012	3-13-84 3-16-84
8	18"	.937"	A106B	122491	RGA-004	4-26-84
11	8"	80 .500"	304 S/S	15885	DAH-004 DAH-005 DAH-006 DAH-007 DAH-009 TK-005 TK-006 ELT-001	4-9-84 4-8-84 4-12-84 4-10-84 4-16-84 2-25-84 2-27-84 2-24-84
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MONTICELLO ULTRASONIC CALIBRATION BLOCKS

APPENDIX C TABLE II PAGE ² of 4

NSP No.	SIZE & DIA.	PIPE SCHEDULE & THICKNESS	MATERIAL	SERIAL OR HEAT NUMBER	CALIBRATION REPORTS	DATE
15	3"	80 .300"	304 S/S	03052	DAH-014	5-2-84
17	2"	80 .218"	A312	A4272	DAH-003	2-18-84
18	3"	160 .438"	A312	01598	TK-012	3-8-84
- 19	3"	160 .438"	A016B	T08300	DAH-013	5-3-84
24	16"	80 .843"	304 S/S	27DH136	ТК-004	2-23-84
29	12"	80 .687"	A106B	L24489	RAS-002	2-29-84
30		5 5/16" +CLAD	A533B	C5571	DAH-011 DAH-012 TK-009 TK010 TK-013 RAS-005 RAS-007 RAS-008 RAS-009 RAS-010 RAS-014	4-18-84 4-18-84 3-3-84 3-5-84 3-8-84 3-1-84 3-5-84 3-6-84 3-7-84 3-21-84 3-21-84

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MONTICELLO ULTRASONIC CALIBRATION BLOCKS

NSP No.	SIZE & DIA.	PIPE SCHEDULE & THICKNESS	MATERIAL	SERIAL OR HEAT NUMBER	CALIBRATION REPORTS	DATE
36	10" & 13.43"	80 .491" & .875"	B166 Inconel	BGM	DAH-010	4-17-84
37	24"	500"	A234 GR.WPB	L00543	RAS-015	3-29-84
43	12"	100 .844"	A106B	L81058	DAH-001	2-15-84
45	9"	- 1.6195"	A182 GRF S/S	СМВ	ТК-008	3-2-84
46	6.375"	- 1.2745"	A182 GRF S/S	СМВ	TK-007	2-29-84
47	3"	530"	A336 C1F8S/S	СМВ	TK-003 TK-018 ELT-002	2-20-84 4-14-84 3-8-84
48	3.75"	875"	A336 C1F8S/S	СМВ	DAH-002	2-18-84
49	4.5"	275"	A336 C1F8 S/S	СМВ	ТК-002	2-17-84
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APPENDIX C

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MONTICELLO

ULTRASONIC CALIBRATION BLOCKS

APPENDIX <u>C</u> TABLE II PAGE _4_of _4

50 5.6" - .875" A336 CLF85/S CMB TK-001 2-16-84 51 4" - .875" A515 GR70 89886-21 RAS-016 3-28-84 54 12" - .640" A530 GRLF-2 722248 DAH-008 RAS-013 4-16-84 3-17-84	NSP No.	SIZE & DIA.	PIPE SCHEDULE & THICKNESS	MATERIAL	SERIAL OR HEAT NUMBER	• CALIBRATION REPORTS	DATE
54 12" - .640" A530 722248 DAH-008 4-16-84	50	5.6"	875"	A336 C1F8S/S	СМВ	ТК-001	2-16-84
4-10-84	51	4'	875"	A515 GR70	89886-21	RAS-016	3-28-84
	54	12"	640"	A530 GRLF-2	722248		4-16-84 3-17-84
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MONTICELLO PROCEDURE LISTING

APPENDIX С Ш TABLE PAGE 1 of 2

PROCEDURE NUMBER AND REVISION	FIELD CHANGE	PROCEDURE TITLE	PLANT APPROVAL DATE	FIELD CHANGE REMARKS	CHANGE DESCRIPTION
NSP-MT-1 Rev.3	NONE	MAGNETIC PARTICLE EXAMINATION	8-26-82	NONE	
NSP-PT-1 Rev. 3	FC 1 FC 2	LIQUID PENETRANT EXAMINATION	3-6-84 5-21-84		F.C.#1 Change rounded indication reporting requirements, INCREASE DWELL AND DEVELOPMENT TIME.
					F.C.#2 Re-instate original procedure.
NSP-UT-1 Rev.2	None	ULTRASONIC EXAMINATION . OF PIPE WELDS	8-26-82	NONE	
NSP-UT-2 Rev.2	NONE	AUTOMATIC DATA RECORDING	8-26-82	NONE	
NSP-UT-3 Rev.2	ŅONE	ULTRASONIC EXAMINATION OF FERRITIC VESSELS	2-28-84	NONE	
NSP-UT-4 Rev. 2	NONE	ULTRASONIC EXAMINATION OF STUDS, BOLTS & NUTS	8-26-82	NONE	
NSP-UT-5 Rev. 3	NONE	ULTRASONIC EXAMINATION OF REACTOR VESSEL NOZZLE FORGING INNER RADII.	8-26-82	NONE	

MONTICELLO PROCEDURE LISTING APPENDIXCTABLEIIIPAGE2Of2

PROCEDURE NUMBER AND REVISION	FIELD CHANGE	PROCEDURE TITLE	PLANT : APPROVAL DATE	FIELD CHANGE REMARKS	CHANGE DESCRIPTION
NSP-UT-6 Rev. 3	NONE	ULTRASONIC EXAMINATION OF REACTOR VESSEL NOZZLE BORE.	8-26-82	NONE	
NSP-UT-16 Rev.O	NONE	ULTRASONIC EXAMINATION FOR INTERGRANULAR STRESS CORROSION CRACKING (1GSCC)	2-17-84	NONE	-
NSP-UT-16 Rev.1	NONE	ULTRASONIC EXAMINATION FOR INTERGRANULAR STRESS CORROSION CRACKING (1GSCC)	3-2-84	NONE	
NSP-VT-1.0 Rev.0	NONE	VISUAL EXAMINATION	8-26-82	NONE	
NSP-VT-2.0 Rev.O	NONE	VISUAL EXAMINATINON OF HANGER ASSEMBLIES	9-2-82	NONE	
NSP-VT-3.0 Rev.O	NONE	VISUAL EXAMINATION OF PUMP AND VALVE INTERNAL PRESSURE BOUNDARY SURFACES	8-30-82	NONE	
NSP-VT-4.0 Rev.O	NONE	VISUAL EXAMINATION OF MONTICELLO REACTOR VESSEL INTERIOR	8-30-82	NONE	

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NORTHERN STATES POWER COMPANY MONTICELLO

EQUIPMENT AND MATERIALS

APPENDIX C TABLE IV PAGE<u>1</u>OF 6

EQUIPMENT AND MATERIALS FAGEF					
MATERIAL OR EQUIPMENT	TYPE OR SERIAL NUMBER	CALIBRATION DATE OR BATCH NUMBER	REMARKS		
ULTRASONIC SCOPES NORTEC 131D NORTEC 131D	S/N 111 S/N 126 S/N 129 S/N 129 S/N 129 S/N 167 S/N 167 S/N 167 S/N 167 S/N 269 S/N 269 S/N 287	12/10/83 3/13/84 2/24/84 4/25/84 10/18/84 2/27/84 5/22/84 8/23/84 3/12/84 6/12/84 12/29/83	OFFSITE 3/10/84 OFFSITE 6/13/84 OFFSITE 4/24/84 OFFSITE 7/25/84 OFFSITE 5/21/84 OFFSITE 8/21/84 OFFSITE 8/21/84 OFFSITE 6/11/84 OFFSITE 9/12/84 OFFSITE 3/29/84		
NORTEC 131D NORTEC 131D	S/N 287 S/N 291 S/N 311 S/N 311 S/N 322 S/N 322 S/N 322 S/N 322 S/N 371 S/N 410 S/N 410 S/N 410 S/N 410 S/N 417 S/N 530-B S/N 530-B	6/27/84 10/2/84 12/21/83 1/27/84 10/31/84 1/26/84 4/25/84 6/26/84 2/27/84 3/28/84 9/19/84 5/21/84 6/12/84 2/1/84 4/25/84	OFFSITE 9/27/84 OFFSITE 1/2/85 OFFSITE 3/21/83 OFFSITE 4/27/84 OFFSITE 5/25/84 OFFSITE 5/25/84 OFFSITE 5/27/84 OFFSITE 5/27/84 OFFSITE 6/28/84 OFFSITE 12/19/84 OFFSITE 8/21/84 OFFSITE 9/12/84 OFFSITE 4/24/84 OFFSITE 7/25/84		
ULTRASONIC SCOPES SLAVE SLAVE SLAVE SLAVE SLAVE SLAVE SLAVE SLAVE	S/N 1 S/N 1 S/N 2 S/N 12 S/N 13 S/N 14 S/N 14	3/1/84 6/5/84 8/20/84 12/28/83 1/12/84 2/23/84 6/5/84			
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MONTICELLO EQUIPMENT AND MATERIALS APPENDIX C TABLE IV PAGE 2 OF 6

(ALS		PAGE_2_OF 6
MATERIAL OR EQUIPMENT	TYPE OR SERIAL NUMBER	CALIBRATION DATE OR BATCH NUMBER	REMARKS
RECORDERS			
GOULD BRUSH 220 GOULD BRUSH 220	S/N 3018 S/N 8188-252 S/N 08343 S/N 08343 S/N 15452 S/N 18687 S/N 18687 S/N 18940 S/N 18940 S/N 18940 S/N 19016 S/N 19016 S/N 19023 S/N 19023	2/7/84 3/30/84 12/6/83 6/7/84 12/1/83 2/3/84 8/7/84 1/5/84 6/22/84 3/5/84 8/30/84 3/5/84 9/6/84	OFFSITE 8/7/84 OFFSITE 9/30/84 OFFSITE 6/6/84 OFFSITE 12/7/84 OFFSITE 6/1/84 OFFSITE 8/3/84 OFFSITE 6/21/84 OFFSITE 12/22/84 OFFSITE 8/29/84 OFFSITE 9/5/84
TEMPERATURE GAUGES			
PTC Surface Thermometers O° to 300°F	S/N 555 S/N 559 S/N 563 S/N 566 S/N 569 S/N 570 S/N 572 S/N 572 S/N 574 S/N 582 S/N 583 S/N 583 S/N 584 S/N 585 S/N 585 S/N 586 S/N 587 S/N 590 S/N 591 S/N 591 S/N 591 S/N 592 S/N 599 S/N 599 S/N 605 S/N 605 S/N 612	Cal:10/21/83 Cal:10/21/83 Cal:10/21/83 Cal:11/15/83 Cal:3/09/84 Cal:3/09/84 Cal:3/09/84 Cal:3/09/84 Cal:3/09/84 Cal:3/09/84 Cal:3/09/84 Cal:3/09/84 Cal:3/09/84	CERTIFIED BY MANUFACTURER """" """"""""""""""""""""""""""""""
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MONTICELLO EQUIPMENT AND MATERIALS

APPENDIX C TABLE IV PAGE 3 OF 6

MATERIAL OR EQUIPMENT	TYPE OR SERIAL NUMBER	CALIBRATION DATE OR BATCH NUMBER	REMARKS
<u>Temperature Gauges</u> (Continued)	S/N 613 S/N 614 S/N 616 S/N 617 S/N 618 S/N 619 S/N 621 S/N 625 S/N 631 S/N 632 S/N 633 S/N 634 S/N 635 S/N 635 S/N 636 S/N 637 S/N 630 S/N 655	Cal:5/11/84 Cal:5/11/84 Cal:5/11/84 Cal:5/11/84 Cal:5/11/84 Cal:5/11/84 Cal:5/11/84 Cal:5/11/84 Cal:5/11/84 Cal:7/19/84 Cal:7/19/84 Cal:7/19/84 Cal:7/19/84 Cal:7/19/84 Cal:7/19/84 Cal:7/19/84 Cal:7/19/84	Certified By Manufacturer """ """ """ """ """" """" """"" """"""
MAGNETIC PARTICLE Y-6 Yoke	S/N LMT-003 S/N KBM-3	2/8/84 7/20/84	On Site Qualification
ROMPAS BLOCKS: 4140 C/S 4140 C/S 304 S/S 304 S/S 304 S/S 304 S/S 304 S/S 304 S/S	S/N 403 S/N LMT-012 S/N LMT-008 S/N 021 S/N 3 S/N LMT-026 S/N 4 S/N 310	7/6/82 9/8/77 9/8/77 1/3/79 9/13/76 4/28/81 7/6/82 8/19/83	Earle M. Jorgenson Orla's Machine Shop Orla's Machine Shop Orla's Machine Shop Orla's Machine Shop Dimac Machine Co. Orla's Machine Shop JR Design & Mfg.
IIW BLOCK: A36	S/N LMT 002	5/22/80	Dimac Machine Co.
THICKNESS CALIBRATIO STEP B BLOCK: c/s	S/N LMT-001	7/22/80	Dimac Machine Co.
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NORTHERN STATES POWER COMPANY MONTICELLO EQUIPMENT AND MATERIALS

APPENDIX C TABLE IV PAGE 4 OF 6

			rro <u>4</u> or <u>6</u>
MATERIAL OR EQUIPMENT	TYPE OR SERIAL NUMBER	CALIBRATION DATE OR BATCH NUMBER	REMARKS
<u>MATERIALS:</u> ULTRASONIC COUPLANT	LMT GEL	Batch # 61384 12484 1110812	
PENETRANT MATERIALS SPOTCHECK	PENETRANT	5F086 83M015 83M051 83M072	SKL-HF/SKL-S
DUBL-CHEK		40D-806 54A-531 329-D54	BY-Lux KO17-Hi-Temp
SPOTCHECK	DEVELOPER	5F102 81K118 82G057 83L094 84C057	SKD-NF SKD-NF/ZP-9B
DUBL-CHEK		215C6 223-D71	D-100 D-350 Hi-Temp
SPOTCHECK	CLEANER/REMOVER	5G006 82G049 82G079 82L031 83A002 84B008 83C028 83M043 83M064 84D051	SKC-NF SKC-NF/ZC-7B
DUBL-CHECK		33-K4 329-D56	DR-60 K017-Hi-Temp
JFS032585WMH01			

MONTICELLO EQUIPMENT AND MATERIALS

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APPENDIX C TABLE IV PAGE 5 OF 6

MATERIAL OR EQUIPMENT	TYPE OR SERIAL NUMBER	CALIBRATION DATE OR BATCH NUMBER	REMARKS
ULTRASONIC TRANSDUCE AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH AEROTECH	RS: B17348 C29610 F26143 G22167 G22168 54018 54017 016575 A30160 E13044 H10142 54010 012674 H21033	SIZE .5" DIA. .5" DIA. .5" DIA. .5" DIA. .5" DIA. .375" DIA. .375" DIA. .375" DIA. .5" DIA. .5" DIA. .5" DIA. .5" X.5" DIA. .5" DIA.	FREQUENCY 2.25 MHz 2.25 MHz 2.25 MHz 2.25 MHz 2.25 MHz 3.5 MHz 2.25 MHz 2.25 MHz 2.25 MHz 2.25 MHz 1.5 MHz 3.5 MHz 2.25 MHz 2.25 MHz
HARISONICS HARISONICS	T10224 P360V W1815 W2123 T3206 R2147 T7463 W6207 V11055 S2285 R1150 S2286 V10704 V10705 W2149 S5139 T8312 8301 V12038 8402 R30131	.5" x.5" DIA. .5" DIA. .25" X.25"DIA. .25" DIA. .25" DIA. .5" x.5" DIA. .5" x.5" DIA. .5" x.5" DIA. .5" X.5" DIA. .5" DIA. .5" DIA. .5" DIA. 1.0" X1.0"DIA. 1.0" X1.0"DIA. 1.0" DIA. .25" DIA. .25" DIA. .25" DIA. .25" DIA. .25" DIA. .375" x .375" DIA. .375" x	2.25 MHz 2.25 MHz 5.0 MHz 5.0 MHz 2.25 MHz 2.25 MHz 2.25 MHz 2.25 MHz 2.25 MHz 2.25 MHz 1.5 MHz 2.25 MHz 2.25 MHz 2.25 MHz 2.25 MHz 2.25 MHz 3.5 MHz
HARISONICS	W8561	.375" DIA. .375" x .375" DIA.	2.25 MHz
HARISONICS	Y2880	.25"x.25"DIA.	2.25 MHz
JFS032585WMH01			

MONTICELLO EQUIPMENT AND MATERIALS

APPENDIX C TABLE IV PAGE 6 OF 6

MATERIAL OR EQUIPMENT	TYPE OR SERIAL NUMBER	CALIBRATION DATE OR BATCH NUMBER	REMARKS		
ULTRASONIC TRANSDUC	S	<u>Size</u>	Frequency		
HARISONICS HARISONICS HARISONICS HARISONICS HARISONICS HARISONICS HARISONICS	V11111 V10600 Y3410 P928 P927 R3162 R5239	.5"x.5" DIA. .25" DIA. .5"x.5" DIA. 1.0" DIA. 1.5" DIA. .5"x.5" DIA. .5"x.5" DIA. .5"x1.0"DIA.	1.0 MHz 5.0 MHz 2.25 MHz 1.0 MHz 1.0 MHz 2.25 MHz 2.25 MHz		
KRAUTKRAMER KRAUTKRAMER	56526 54576	12MM x 6MM 12MM x 6MM	2.0 MHz 4.0 MHz		
NORTEC Nortec	978 979	.75" DIA. .75" DIA.	2.25 MHz 2.25 MHz		
PANAMETRICS	11908	.25" DIA.	2.25 MHz		

FORM N	IS-1 OWNERS' DATA	A REPORT FOR INS	ERVICE INSPECTI	ONS			
(As R	equired by the Pu	rovisions of the	ASME Code Rule	s)			
1.) Owner: <u>N</u>	orthern States Po	ower Company		<u></u>			
Address: _	414 Nicollet Mal	l <mark>], Minne</mark> apolis	, Minnesota	55401			
2.) Plant: <u>M</u>	ONTICELLO NUCLEAF	R GENERATING PLA	NT				
Address: _	MONTICELLO, MINN	IESOTA 55362					
3.) Plant Unit:	3.) Plant Unit: <u>1</u> 4.) Owner (Certificate of Authorization):						
5.) Commercial	Service Date: <u>6-3</u>	<u>80-71</u> 6.) <u>N</u> at	ional Board No.	for Unit: <u></u>			
7.) Components	Inspected:						
Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer _Serial No	State or Province No.	National Board No.			
ASME CLASS I NOZZLE WELDS							
B3.10 Nozzle-To- B3.20 Nozzle Ins	Vessel Welds & ide Radius Sectio	n					
Reactor Vessel Head Vent HVAD-1	CB&I						
Core Spray CSBD-1	CB&I						
CRD Return CRAD-1	CB&I						
Jet Pump Instrumentation JPAD-1	CB&I			·			
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JFS030885WMH03-LT			Pag	e 1 of 21			

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FORM N	IS-1 OWNERS' DAT	A REPORT FOR INS	ERVICE INSPECTIO	ONS			
(As R	equired by the P	rovisions of the	ASME Code Rules	;)			
1.) Owner: <u>N</u>	orthern States Po	ower Company		··			
Address:	414 Nicollet Ma	ll, Minneapolis	, Minnesota	55401			
2.) Plant: <u>M</u>	ONTICELLO NUCLEA	R GENERATING PLA	NT				
Address:	Address: MONTICELLO, MINNESOTA 55362						
3.) Plant Unit:	3.) Plant Unit: <u>1</u> 4.) Owner (Certificate of Authorization):						
5.) Commercial	Service Date: <u>6-</u>	<u>30-71</u> 6.) Nat	ional Board No.	for Unit: <u></u>			
7.) Components	Inspected:						
	Manufacturer or Installer		State or Province No.				
<u>B3.90 & B3.100</u> Nozzle Inside Rad	<u>dius</u>		· .				
Feedwater Nozzle N4A N4B N4C N4D	CB&I						
B5.10 Nozzle To	Safe End Welds						
Head Vent HVAF-2	CB&I						
Head Spray HSBF-2	CB&I						
Core Spray CSBF-2	CB&I						
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	IS-1 OWNERS' DATA			
(As Re	equired by the Pr	ovisions of th	ne ASME Code Ruie	es)
1.) Owner: <u>No</u>	orthern States Po	wer Company		
Address:	414 Nicollet Mal	l, Minneapol	is, Minnesota	55401
2.) Plant: <u>M</u>	ONTICELLO NUCLEAR	GENERATING PL	ANT	
Address:	MONTICELLO, MINN	ESOTA 55362		
3.) Plant Unit:	<u>1</u> 4.) Owner	(Certificate	of Authorization	n): <u></u>
5.) Commercial S	Service Date: <u>6-3</u>	<u>0-71</u> 6.) Na	ational Board No.	, for Unit: <u></u>
7.) Components	Inspected:			
Component or <u>Appurtenance</u>	Manufacturer or Installer	Manufacturer or Installer _Serial No	State or Province No.	
CRD Return CRAF-2	CB&I			
Standby Liquid Control CPAF-2	CB&I			
Jet Pump Instrumentation"E JPBF-2	CB&I 3"		 	
Instrumentation Lines (N11A) VIAF-2 (N11B) VIBF-2 (N12A) VICF-2 (N12B) VIDF-2	CB&I			
B5.50 Safe End We	lds			
Core Spray"A" TW 7-8" EF CSP-90-7 CSAF-14 CSAF-18	Newport News/Be	chtel		
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JFS030885WMH03-LT			Pa	ge 3 of 21

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	IS-1 OWNERS' DAT			
(As R	equired by the P	rovisions of th	ne ASME Code Rul	es)
1.) Owner: <u>N</u>	orthern States P	ower Company		
Address:	414 Nicollet Ma	11, Minneapol	is, Minnesota	55401
2.) Plant: <u>M</u>	DNTICELLO NUÈLEA	R GENERATING PL	ANT	
Address: _	MONTICELLO, MIN	NESOTA 55362	······	
3.) Plant Unit:	<u>1</u> 4.) Owne	r (Certificate	of Authorization	n):
5.) Commercial	Service Date: <u>6-</u>	<u>30-71</u> 6.) Na	ational Board No	. for Unit: <u></u>
7.) Components	Inspected:			
Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Core Spray B (TW 11-8"EF) CSP-270-7 CSP-270-9 CSBF-12 CSBF-16	Newport News/Bo	echtel		
HPCI Steam (PS18-8"EF) PSAF-2B PSAF-2C	Bechtel	 		
Residual Heat Removal (REW 20-16"EF) (REW 30-16"DC) RHBF-20 RHBF-24 RHCF-20 RHCF-23	Bechtel			-
				,
				•
JFS030885WMH03-LT			Pa	ge 4 of 21

FORM NIS-1 OWNERS' DATA	REPORT FOR INSE	ERVICE INSPECTION	DNS
(As Required by the Pr	ovisions of the	ASME Code Rules	5)
1.) Owner: <u>Northern States Po</u>	wer.Company		
Address: <u>414 Nicollet Mal</u>	1, Minneapolis,	, Minnesota	55401
2.) Plant: <u>MONTICELLO NUCLEAR</u>	GENERATING PLAN	IT	
Address:MONTICELLO, MINN	ESOTA 55362		
3.) Plant Unit: <u>1</u> 4.) Owner	· (Certificate of	• Authorization)	:
5.) Commercial Service Date: <u>6-3</u>	<u>0-71</u> 6.) Nati	ional Board No.	for Unit: <u></u>
7.) Components Inspected:			
Component or Manufacturer Appurtenance or Installer	Manufacturer or Installer Serial No.		
PRESSUE RETAINING BOLTING B7.70 BOLTS, STUDS & NUTS			
Core Spray "A" Bechtel Valves POS-1758 A014-13B	••••• ·		
Core Spray "B" Bechtel Valves MO-1753			
High Pressure Coolant Bechtel Injection-Steam Valve MO 2035			
Reactor Water Cleanup Bechtel Valve MO 2398			
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		S-1 OWNERS' DATA		•	
-	(As Re	quired by the Pr	ovisions of the	ASME Code Rules)
1.)	Owner: <u>No</u>	rthern States Po	wer Company		
	Address:	414 Nicollet Mal	1, Minneapolis	, Minnesota	55401
2.)	Plant: <u>MO</u>	NTICELLO NUCLEAR	GENERATING PLA	NT	
	Address:	MONTICELLO, MINN	ESOTA 55362		
3.)	Plant Unit:	1 4.) Owner	(Certificate of	f Authorization)	:
5.)	Commercial S	ervice Date: <u>6-3</u>	<u>0-71</u> 6.) Nat [.]	ional Board No.	for Unit: <u></u>
7.)	Components I	nspected:	,		
	mponent or purtenance	Manufacturer or Installer		State or Province No.	
Re	sidual Heat moval Valves MO 2029 MO 2014 MO 2026	Bechtel	´		
Co	andby Liquid ntrol Valve XP-8	Bechtel			
	.10 Integrall tachments	y Welds	•		
Re Su	actor Vessel pport Skirt HCAH-2(120°-1	CB&I 80°)			
•					
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FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS (As Required by the Provisions of the ASME Code Rules)
1.) Owner: <u>Northern States Power Company</u>
Address:
2.) Plant: MONTICELLO NUCLEAR GENERATING PLANT
Address: MONTICELLO, MINNESOTA 55362
3.) Plant Unit: <u>1</u> 4.) Owner (Certificate of Authorization):
5.) Commercial Service Date: 6-30-71 6.) National Board No. for Unit:
7.) Components Inspected:
Manufacturer Component or Manufacturer or Installer State or National Appurtenance or Installer Serial No. Province No. Board No.
B9.11 & B9.12 Circumferential & Longitudinal Welds
Core Spray "A" Bechtel ² CSAJ-19 CSAJ-16 CSAJ-17
Core Spray "B" Bechtel CSBJ-21 CSBJ-22 CSBJ-13 CSBJ-14
Residual Heat Bechtel Removal"A" RHAJ-25 RHAJ-26 RHAJ-27
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FORM NI	S-1 OWNERS' DATA	REPORT FOR INSE	RVICE INSPECTION	IS
(As Re	quired by the Pr	ovisions of the	ASME Code Rules)
1.) Owner: <u>No</u>	rthern States Po	wer Company		
Address:	414 Nicollet Mal	1, Minneapolis,	, Minnesota S	55401
2.) Plant: <u>MO</u>	NTICELLO NUCLEAR	GENERATING PLAN	IT	
Address:	MONTICELLO, MINN	ESOTA 55362		
3.) Plant Unit:	<u>1</u> 4.) Owner	· (Certificate of	Authorization)	
5.) Commercial S	ervice Date: <u>6-3</u>	<u>0-71</u> 6.) Nati	onal Board No. 1	for Unit:
7.) Components I	nspected:			
Component or <u>Appurtenance</u>		Manufacturer or Installer Serial No.	State or Province No.	National <u>Board No.</u>
Residual Heat Removal"B" RHBJ-21 RHBJ-22	Bechtel			
Residual Heat Removal "C" RHCJ-21 RHCJ-22	Bechtel			
Residual Heat Removal "D" RHDJ-2	Bechtel		·	
Jet Pump Instrumentation JPBJ-3	Bechtel "B"			

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FORM	NIS-1 OWNERS' DATA	REPORT FOR IN	SERVICE INSPECT	IONS
(As	Required by the Pr	ovisions of the	e ASME Code Rule	es)
1.) Owner:	Northern States Po	ower Company		
Address:	414 Nicollet Mal	1, Minneapoli	s, Minnesota	55401
2.) Plant:	MONTICELLO NUCLEAR	GENERATING PL	ANT	
Address:	MONTICELLO, MINN	IESOTA 55362		
3.) Plant Unit	: <u>1</u> 4.) Owner	· (Certificate	of Authorizatio	n):
5.) Commercial	Service Date: <u>6-3</u>	<u>80-71</u> 6.) Na	tional Board No	. for Unit: <u></u>
7.) Components	Inspected:			
Component or Appurtenance	Manufacturer or Installer		State or <u>Province No.</u>	
Jet Pump Instrumentation Cannister "B" Weld #1 Weld #2 Weld #3	Lamco			
Instrumentation Lines N11A VIAJ-19	Bechtel			
B9.21 & B9.22 C & Longitudinal				
Reactor Core Injection Coolant-Steam	Bechtel			
RSAJ-4 RSAJ-5		۲.		
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JFS030885WMH03-	LT		P	age 9 of 21

			ISERVICE INSPECTI Ne ASME Code Rule	
1.) Owner: <u>Nort</u>	thern States F	ower Company		
Address: 41	4 Nicollet Ma	11, Minneapoli	s, Minnesota	55401
2.) Plant: <u>MON</u> T	ICELLO NUCLEA	R GENERATING PL	ANT	
Address: <u>M</u>	NTICELLO, MIN	INESOTA 55362		
3.) Plant Unit: 1	4.) Owne	er (Certificate	of Authorization):
5.) Commercial Ser	rvice Date: <u>6</u> -	- <u>30-71</u> 6.) Na	itional Board No.	for Unit:
7.) Components Ins	spected:	· · · ·		
Component or M Appurtenance c	Manufacturer or Installer	Manufacturer or Installer Serial No	State or Province No.	
B9.40 Socket Weld Head Vent Welds 50 51 58 59	<u>Is</u> Bechtel			 ,
Instrumentation Lines VIAJ-1 VIAJ-2 VIAJ-3	Bechte1			
Standby Liquid Control	Bechtel			
CPAJ-22				
B11.10 Component	Supports			
Core Spray "A" CSAK-15	Bechtel			
Core Spray "B" CSBK-6	Bechte1			
Residual Heat Removal RHCK-9 RHCK-10	Bechtel			
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FORM NI	S-1 OWNERS' DATA	REPORT FOR INSE	RVICE INSPECTI	ONS
(As Re	equired by the Pr	ovisions of the	ASME Code Rule	s)
		•		
1.) Owner: <u>No</u>	orthern States Po	ower Company		
Address:	414 Nicollet Mal	1, Minneapolis,	, Minnesota	55401
2.) Plant: <u>MC</u>	ONTICELLO NUCLEAR	GENERATING PLAN	IT	
Address:	MONTICELLO, MINN	IESOTA 55362		
3.) Plant Unit:	<u>1</u> 4.) Owner	· (Certificate of	• Authorization):
5.) Commercial S	ervice Date: <u>6-3</u>	<u>10-71</u> 6.) Nati	ional Board No.	for Unit: <u></u>
7.) Components I	nspected:			
		Manufacturer		
	Manufacturer or Installer	or Installer Serial No.		National <u>Board No.</u>
Reactor Core Injection Coola RSAK-6				
Heat Vent HVAK-21	Bechtel			
Standby Liquid Control CPAK-20	Bechte1			
B13.10 Vessel I	nterior			
Core Spray				
Sparger System	GE	′ 		
Feedwater Sparger System	GE			
B13.2 Vessel In Attachments	terior			
14 Shroud Support Welds	GE			
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FORM NIS-1 OWNERS' DAT	A REPORT FOR INS	ERVICE INSPECTION	DNS
(As Required by the P	rovisions of the	ASME Code Rules	5)
	0		
1.) Owner: <u>Northern States P</u>	· · · · · · · · · · · · · · · · · · ·		
Address: <u>414 Nicollet Ma</u>	11, Minneapolis	, Minnesota	55401
2.) Plant:MONTICELLO_NUCLEA	R GENERATING PLA	NT	<u>.</u>
Address: <u>MONTICELLO, MIN</u>	NESOTA 55362		
3.) Plant Unit: <u>1</u> 4.) Owne	r (Certificate o	f Authorization)):
5.) Commercial Service Date: 6-			
7.) Components Inspected:			
() components inspected.			
Component or Manufacturer	Manufacturer or Installer	State or	National
Appurtenance or Installer	Serial No.	Province No.	Board No.
ASME CLASS II			
C1.10 Shell Circumferential Weld	<u>S</u>		
RHR Heat Exchange Bechtel			
(E-200A)			
<u>C2.20 Nozzles in Vessels over $\frac{1}{2}$"</u>	thick		
RHR Heat Exchange Bechtel (E-200A)			
C3.10 Integrally Welded Support	Attachments		
RHR Heat Exchanger Bechtel			
(E-200A) Support "A" & "B"			
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JFS030885WMH03-LT		Pac	e 12 of 21
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FORM NIS-	1 OWNERS' DAT	A REPORT FOR INS	ERVICE INSPECTIO	INS
(As Requ	ired by the P	rovisions of the	ASME Code Rules	;)
1.) Owner: <u>Nort</u>	<mark>hern States P</mark>	ower Company	<u></u>	
Address: 41	4 Nicollet Ma	11, Minneapolis	, Minnesota	55401
2.) Plant: MONT	ICELLO NUCLEA	R GENERATING PLA	NT	
Address: MO	NTICELLO, MIN	NESOTA 55362		
3.) Plant Unit: <u>1</u>	4.) Owne	r (Certificate o	of Authorization)	:
5.) Commercial Ser	vice Date: <u>6-</u>	<u>30-71</u> 6.) Nat	ional Board No.	for Unit: <u></u>
7.) Components Ins	pected:	• •		
Component or Ma Appurtenance of			State or Province No.	National Board No.
C3.20 Component Sup	ports			
RHR Heat Exchangers (E-200A) Support "A" & "B"	Bechte1		·	
C3.40 Integrally We	Ided Support	Attachments		
Core Spray "A" CSAK-35	Bechtel			
<u>C3.50 Component Supp</u>	ports			
High Pressure Coolant Injection Water Discharge SR-69 SS-35	Bechtel			
CIAK-26 CIAK-27A CIAK-28				
				, ···
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JFS030885WMH03-LT			Pag	e 13 of 21

<pre>2.) Plant: Address 3.) Plant L 5.) Commerc 7.) Component Appurtenar Core Spray " Suction TWH-53 TWH-54 Core Spray " Discharge TWH-81 TWH-82 CSAK-31 CSAK-32A</pre>	MONTICELLO M s: MONTICELLO Unit: <u>1</u> 4.) cial Service Dat ents Inspected: or Manufactu or Instal t) "A" Bechtel	Manufacture urer or Installe	PLANT 2 te of Authorizati National Board N er er State or	on): lo. for Unit: Nationa
Address 3.) Plant L 5.) Commerce 7.) Component <u>Appurtenar</u> <u>C3.50(cont</u> Core Spray " Suction TWH-53 TWH-54 Core Spray " Discharge TWH-81 TWH-82 CSAK-31 CSAK-32A Core Spray " Suction	s: <u>MONTICELLO</u> Unit: <u>1</u> 4.) cial Service Dat ents Inspected: or <u>Manufactu</u> nce <u>or Instal</u> <u>t)</u> "A" Bechtel	0, MINNESOTA 5536 Owner (Certifica te: <u>6-30-71</u> 6.) Manufacture urer or Installe	2 te of Authorizati National Board N er er State or	lo. for Unit: Nationa
3.) Plant L 5.) Commerce 7.) Component <u>Appurtenar</u> <u>C3.50(cont</u> Core Spray " Suction TWH-53 TWH-54 Core Spray " Discharge TWH-81 TWH-82 CSAK-31 CSAK-32A Core Spray " Suction	Unit: <u>1</u> 4.) cial Service Dat ents Inspected: or Manufactu nce or Instal <u>t)</u> "A" Bechtel	Owner (Certificat te: <u>6-30-71</u> 6.) Manufacture urer or Installe	te of Authorizati National Board N er er State or	lo. for Unit: Nationa
5.) Commerce 7.) Component <u>Appurtenar</u> <u>C3.50(contented</u> <u>Core Spray</u> <u>Suction</u> <u>TWH-53</u> <u>TWH-54</u> <u>Core Spray</u> <u>Discharge</u> <u>TWH-81</u> <u>TWH-81</u> <u>TWH-82</u> <u>CSAK-31</u> <u>CSAK-32A</u> <u>Core Spray</u>	cial Service Dat ents Inspected: or Manufactu <u>nce or Instal</u> <u>t)</u> "A" Bechtel	te: <u>6-30-71</u> 6.) Manufacture urer or Installe	National Board N er er State or	lo. for Unit: Nationa
7.) Component <u>Appurtenar</u> <u>C3.50(cont</u> <u>Core Spray</u> <u>Suction</u> <u>TWH-53</u> <u>TWH-54</u> <u>Core Spray</u> <u>Discharge</u> <u>TWH-81</u> <u>TWH-81</u> <u>TWH-81</u> <u>TWH-82</u> <u>CSAK-31</u> <u>CSAK-32A</u> <u>Core Spray</u>	ents Inspected: or Manufactu nce or Instal t) "A" Bechtel	Manufacture urer or Installe	er er State or	Nationa
Component Appurtenar C3.50(cont Core Spray " Suction TWH-53 TWH-54 Core Spray " Discharge TWH-81 TWH-82 CSAK-31 CSAK-32A Core Spray " Suction	or Manufactu nce or Instal t) "A" Bechtel	Manufacture urer or Installe	er State or	
Appurtenar <u>C3.50(cont</u> Core Spray " Suction TWH-53 TWH-54 Core Spray " Discharge TWH-81 TWH-82 CSAK-31 CSAK-32A Core Spray " Suction	<u>nce or Instal</u> <u>t)</u> "A" Bechtel	urer or Installe	er State or	
Core Spray " Suction TWH-53 TWH-54 Core Spray " Discharge TWH-81 TWH-82 CSAK-31 CSAK-32A Core Spray " Suction	"A" Bechtel			
Suction TWH-53 TWH-54 Core Spray " Discharge TWH-81 TWH-82 CSAK-31 CSAK-32A Core Spray " Suction				
Core Spray " Discharge TWH-81 TWH-82 CSAK-31 CSAK-32A Core Spray " Suction	"A" Bechtel			
Discharge TWH-81 TWH-82 CSAK-31 CSAK-32A Core Spray " Suction	"A" Bechtel			
Suction		•		
	"B" Bechtel			
Core Spray " Discharge TWH-69 TWH-70 TWH-113	"B" Bechtel			
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FORM N	IS-1 OWNERS' DATA	A REPORT FOR INS	ERVICE INSPECTIO	DNS		
(As R	equired by the Pr	rovisions of the	ASME Code Rules	5)		
1.) Owner: <u>N</u>	orthern States Po	ower Company				
Address: _	414 Nicollet Mal	l, Minneapolis	, Minnesota	55401		
2.) Plant: <u>M</u>	.) Plant: MONTICELLO NUCLEAR GENERATING PLANT					
Address:	MONTICELLO, MINN	IESOTA 55362				
3.) Plant Unit:	.) Plant Unit: <u>1</u> 4.) Owner (Certificate of Authorization):					
5.) Commercial	Service Date: <u>6-3</u>	<u>80-71</u> 6.) Nat	ional Board No.	for Unit: <u></u>		
7.) Components	Inspected:					
Component or <u>Appurtenance</u> C3.50(cont)	Manufacturer or Installer	Manufacturer or Installer _Serial No	State or Province No.			
RCIC Water Suction TW-25	Bechtel					
RHR Service Water SWAK-25 SWAK-26 SWAK-31 SWAK-34 SWAK-43	Bechtel					
RHR "A" Suction SS-21 TWH-7 TWH-6 SS-24	Bechtel					
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	IS-1 OWNERS' DATA		· .	
(As Re	equired by the Pr	ovisions of the	ASME Code Rules)
1.) Owner: <u>No</u>	orthern States Po	ower Company		
Address:	414 Nicollet Mal	l, Minneapolis	, Minnesota	55401
2.) Plant: <u>MC</u>	ONTICELLO NUCLEAR	GENERATING PLA	NT	
Address:	MONTICELLO, MINN	IESOTA 55362		·
3.) Plant Unit:	<u>1</u> 4.) Owner	· (Certificate o	f Authorization)	• ••
5.) Commercial S	Service Date: <u>6-3</u>	<u>80-71</u> 6.) Nat	ional Board No.	for Unit: <u></u>
7.) Components I	nspected:			
Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer _Serial No	State or Province No.	National Board No.
<u>C3.50(cont.)</u>				
RHR"A" Discharge TWH-61 TWH-63 SS-25 TWH-73	Bechtel		·····	
RHR"B"Discharge TWH-100 TWH-101 TWH-102 TWH-168 SR-23	Bechtel			
<u>C3.70 Internally</u>	Welded Support A	ttachments		
RHR Pumps(P202D) Support "D"	Bechtel			
Core Spray Pumps (14-1B) Support "B"	Bechtel			
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FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS					
(As Requi	red by the Pro	ovisions of the /	ASME Code Rules)		
1.) Owner: <u>North</u>	ern States Pow	ver Company	-		
Address:414	Nicollet Mall	l, Minneapolis,	Minnesota 5	5401	
2.) Plant: MONTI	CELLO NUCLEAR	GENERATING PLAN	Γ		
Address:MON	TICELLO, MINNE	ESOTA 55362			
3.) Plant Unit: <u>1</u>	4.) Owner	(Certificate of	Authorization):		
5.) Commercial Serv	ice Date: <u>6-30</u>	<u>)-71</u> 6.) Natio	onal Board No. f	or Unit: <u></u>	
7.) Components Insp	ected:				
Component or Ma Appurtenance or		Manufacturer or Installer Serial No.			
<u>C5.11&C5.12 Circumfe</u>	rential & Long	itudinal Welds	less than ½" Wal	l thickness	
l i i i i i i i i i i i i i i i i i i i	chtel				
Core Spray"A" Be Suction 18 532	chtel				
Core Spray"A" Be Discharge 1 4 CSAJ-32	chtel				
RHR Service Water Be SWAJ-39 SWAJ-40	chtel	· · · ·			
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		, ,			
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	S-1 OWNERS' DATA	1				
(AS Re	equired by the Pr	ovisions of the	ASME Code Rules	S)		
1.) Owner: <u>No</u>	orthern States Po	wer Company		·····		
Address:	414 Nicollet Mal	l, Minneapolis,	, Minnesota	55401		
2.) Plant: <u>MO</u>	NTICELLO NUCLEAR	GENERATING PLAN	IT			
Address:	Address: MONTICELLO, MINNESOTA 55362					
3.) Plant Unit:	<u>1</u> 4.) Owner	· (Certificate of	• Authorization):		
5.) Commercial S	ervice Date: <u>6-3</u>	<u>0-71</u> 6.) Nati	ional Board No.	for Unit: <u></u>		
7.) Components I	nspected:					
Component or <u>Appurtenance</u>	Manufacturer or Installer	Manufacturer or Installer _Serial No	State or Province No.	National Board No.		
<u>C5.11 & C5.12(con</u>	<u>t.)</u>					
RHR"A"Suction	Bechtel					
Feedwater to Reactor Water Clean-up to High Pressure Coolant Injection W-1 W-2 W-3 W-4 W-12 W-12 W-12A	Bechtel					
Control Rod Drive to Reactor Water Clean-up W-7 W-11 W-12 W-13 W-14	Bechtel			·····		
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	FORM N	[S-1 OWNERS'	DATA REPORT FOR	INSERVICE INSPECT	IONS
	(As Re	equired by th	e Provisions of	the ASME Code Rul	es)
1.)	Owner: <u>No</u>	orthern State	s Power Company		
	Address:	414 Nicollet	Mall, Minneapo	lis, Minnesota	55401
2.)	Plant: <u>M</u>	ONTICELLO NUC	LEAR GENERATING	PLANT	
	Address:	MONTICELLO,	MINNESOTA 55362		
3.)	Plant Unit:	<u>1</u> 4.) C	wner (Certificat	e of Authorizatio	n):
5.)	Commercial S	Service Date:	<u>6-30-71</u> 6.)	National Board No	. for Unit:
7.)	Components 1	Inspected:			
	mponent or purtenance				
<u>C5.2</u>	1 & C5.22 Cir	cumferential	& Longitudinal	Welds over ½" Wal	<u>1 Thickness</u>
Cool Wate CI CI	Pressure ant Injectior r Discharge AJ-62 AJ-29 AJ-30	Bechtel			
<u>C5.3</u>	1 & C5.32 Bra	unch Connecti	ons		•
RHR" 82	A"Suction ·	Bechtel			
•					
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·			•		
				· · · · ·	

FORM NIS-1(back)

8.) Examination Dates: 2/10/84 to 1/12/85

9.) Inspection Interval 6/30/81 to 6/30/91

10.) Abstract of Examinations

This was the second Inservice Inspection conducted in Inpsection Period One of the Plant's second ten year interval. The examinations were performed on approximately 1/3 of the required examinations scheduled for inspection period one. The examinations were performed on pressure retaining components and supports of the reactor coolant and associated auxilliary systems classified as ASME Class I and II. Vessel interior visual examinations were performed on the core spray sparger system, feedwater sparger system and the shroud supports.

11.) Abstract of Conditions Noted

The following is a list of all anomalies detected.

<u>System</u> Core Spray"A"	<u>Item I.D.</u> A014-13B CSAK-35 CSAK-31	<u>Exam Method</u> VT VT VT	<u>Type&number of Indications</u> loose nut loose nut loose bolts
Core Spray"B"	CSP 270-7 TWH-69 TWH-70 TWH-113	UT VT VT VT	1 spot Indication loose bolt loose bolt loose bolt
HPCI Steam	PSAF-2C	PT	Arc strike
RHR	RHBF-20 RHCF-20 RHBJ-21 RHCJ-21 TWH-7 TWH-73 TWH-73 TWH-102	UT UT UT UT VT VT VT	1 spot Ind.,3 linear Ind. 2 spot Ind.,2 linear Ind. 2 linear Ind. multiple spot indications loose bolt loose bolt loose bolt
Rx Support Skirt	HCAH-2	MT	9 linears
Jet Pump Instrumen Canister"B"	tation W#1	UT	Multiple Axial indications
Head Vent	HVAK-21	VT	loose nut,bent rod hangar
Feedwater System	Spargers.	VT	Crack indications on N4C & N4D
RHR Service Water	SWAK-25 SWAK-26 SWAK-34	VT VT VT	loose nut loose nuts loose nut
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12.) Abstract of Corrective Measures Recommended and Taken

All anomalies with the exception of HVAK-21 were corrected. The bent rod hangar on HVAK-21 was evaluated and accepted as is. All loose nuts and bolts were tightened. The PT arc strike and MT linear indications were removed by surface blending with a hand grinder. All items containing UT indications except CSP 270-7 were replaced. CSP 270-7 was subsequently radiographed and the UT indication appeared to be a machining mark on the I.D. surface. This weld will be monitored in future outages. The feedwater spargers were also replaced after several crack indications were noted on two of the flow nozzles.

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.

Date March 2719 85 Signed Monthun Status Pour By

Certificate of Authorization No. (if applicable)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of MAN and employed by HSB It-I coof HARTFORD, CT have inspected the components described in this Owner's Data Report during the period 2-10-98 to 1-12-95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data 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 Owners' Data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date March 27 19 85

Inspector's Signature

___ Commissions NB 9904 MN 85-34 National Board, State, Province & No

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