



Nebraska Public Power District
Nebraska's Energy Leader

NLS2000069

August 28, 2000

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Gentlemen:

Subject: Inservice Inspection Summary Report
Cooper Nuclear Station, NRC Docket No. 50-298, DPR-46

References: (1) ASME Section XI, 1989 Edition, No Addenda
(2) ASME Section XI, 1992 Edition, 1992 Addenda, Subsection IWE

Gentleman:

In accordance with the provisions of 10CFR50.55a and References 1 and 2, the Nebraska Public Power District (District) hereby submits the Inservice Inspection Summary Report for the Spring 2000 Refueling Outage at Cooper Nuclear Station. This report includes the Owner's Report for Inservice Inspections and the Owner's Report for Repairs and Replacements. Also included are the results of augmented examinations of the Reactor Pressure Vessel internal Core Spray piping performed in accordance with the Boiling Water Reactor Vessel Internals Project guidelines, BWRVIP-18 and the additional information required by 10CFR50.55a(b)(2)(ix)(D) for each flaw or area of degradation identified during the containment inspection which exceeded acceptance standards.

If you require any additional information regarding this report, please call.

Sincerely,


John H. Swailes
Vice President of Nuclear Energy

/dnn
Attachments

A047

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cc: Regional Administrator
USNRC-Region IV

Senior Project Manager
USNRC - NRR Project Directorate IV-1

Senior Resident Inspector
USNRC

NPG Distribution w/o attachments

**COOPER NUCLEAR STATION
INSERVICE INSPECTION
SUMMARY REPORT
RE19, SPRING 2000 REFUELING OUTAGE**

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Abstract of Examinations for Cooper Nuclear Station RE19

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B-D Category Components Examined Equal: 18							
B3.100	NVIR-BD-N2E	NIR	R-134	UT-70°S	CSP-ISI-211 Rev.0	NRI	During the manual examination of the above referenced weld, no recordable indications were detected per ASME Section XI, 1989 Edition, No Addenda, Utilizing 70° shear wave for the Zone 1 examination, and 58.1° compound angle search units for Zone 2a examination. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda.
<i>System:</i>	NB		<i>Performed By:</i>	UT-58°S CW	CSP-ISI-211 Rev.0	NRI	
			Westinghouse	UT-58°S CCW	CSP-ISI-211 Rev.0	NRI	
B3.100	NVIR-BD-N2J	NIR	R-135	UT-70°S	CSP-ISI-211 Rev.0	NRI	During the manual examination of the above referenced weld, no recordable indications were detected per ASME Section XI, 1989 Edition, No Addenda, Utilizing 70° shear wave for the Zone 1 examination, and 58.1° compound angle search units for Zone 2a examination. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda.
<i>System:</i>	NB		<i>Performed By:</i>	UT-58°S CW	CSP-ISI-211 Rev.0	NRI	
			Westinghouse	UT-58°S CCW	CSP-ISI-211 Rev.0	NRI	
B3.100	NVIR-BD-N2K	NIR	R-136	UT-70°S	CSP-ISI-211 Rev.0	NRI	During the manual examination of the above referenced weld, no recordable indications were detected per ASME Section XI, 1989 Edition, No Addenda, Utilizing 70° shear wave for the Zone 1 examination, and 58.1° compound angle search units for Zone 2a examination. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda.
<i>System:</i>	NB		<i>Performed By:</i>	UT-58°S CW	CSP-ISI-211 Rev.0	NRI	
			Westinghouse	UT-58°S CCW	CSP-ISI-211 Rev.0	NRI	
B3.100	NVIR-BD-N3B	NIR	R-137	UT-70°S	CSP-ISI-211 Rev.0	NRI	During the manual examination of the above referenced weld, no recordable indications were detected per ASME Section XI, 1989 Edition, No Addenda, Utilizing 70° shear wave for the Zone 1 examination, and 68° compound angle search units for Zone 2a examination. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda.
<i>System:</i>	NB		<i>Performed By:</i>	UT-68°S CW	CSP-ISI-211 Rev.0	NRI	
			Westinghouse	UT-68°S CCW	CSP-ISI-211 Rev.0	NRI	
B3.100	NVIR-BD-N3D	NIR	R-138	UT-70°S	CSP-ISI-211 Rev.0	NRI	During the manual examination of the above referenced weld, no recordable indications were detected per ASME Section XI, 1989 Edition, No Addenda, Utilizing 70° shear wave for the Zone 1 examination, and 68° compound angle search units for Zone 2a examination. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda.
<i>System:</i>	NB		<i>Performed By:</i>	UT-68°S CW	CSP-ISI-211 Rev.0	NRI	
			Westinghouse	UT-68°S CCW	CSP-ISI-211 Rev.0	NRI	
B3.100	NVIR-BD-N4A	NIR	R-139	UT-70°S	CSP-ISI-211 Rev.0	NRI	During the manual examination of the above referenced weld, no recordable indications were detected per ASME Section XI, 1989 Edition, No Addenda, Utilizing 70° shear wave for the Zone 1 examination, and 54.5° compound angle search units for Zone 2a examination. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda.
<i>System:</i>	NB		<i>Performed By:</i>	UT-64°S CW	CSP-ISI-211 Rev.0	NRI	
			Westinghouse	UT-64°S CCW	CSP-ISI-211 Rev.0	NRI	
B3.100	NVIR-BD-N5A	NIR	R-140	UT-70°S	CSP-ISI-211 Rev.0	NRI	During the manual examination of the above referenced weld, no recordable indications were detected per ASME Section XI, 1989 Edition, No Addenda, Utilizing 70° shear wave for the Zone 1 examination, and 61.2° compound angle search units for Zone 2a examination. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda.
<i>System:</i>	NB		<i>Performed By:</i>	UT-61°S CW	CSP-ISI-211 Rev.0	NRI	
			Westinghouse	UT-61°S CCW	CSP-ISI-211 Rev.0	NRI	

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B3.100	NVIR-BD-N6B	NIR	R-141	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda. Reference relief request # RI-03.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse				
B3.100	NVIR-BD-N8A	NIR	R-142	UT-70°S	CSP-ISI-211 Rev.0	NRI	During the manual examination of the above referenced weld, no recordable indications were detected per ASME Section XI, 1989 Edition, No Addenda, Utilizing 70° shear wave for the Zone 1 examination, and 80° compound angle search units for Zone 2a examination.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse	UT-80°S CW	CSP-ISI-211 Rev.0	NRI	
				UT-80°S CCW	CSP-ISI-211 Rev.0	NRI	
B3.90	NVE-BD-N2E	(N2E) Nozzle - Vessel	R-124	UT-0°L	CSP-ISI-210 Rev.0	NRI	Examined for Section XI code credit and per relief request RI-27, Rev.1 has an additional examination. ASME code coverage achieved was 40% of required volume. Reference relief request RI-21, Rev.1. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda and Req. Guide 1.150.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-210 Rev.0	NRI	
				UT-60°S	CSP-ISI-210 Rev.0	NRI	
B3.90	NVE-BD-N2J	(N2J) Nozzle - Vessel	R-125	UT-0°L	CSP-ISI-210 Rev.0	NRI	Examined for Section XI code credit and per relief request RI-27, Rev.1 has an additional examination. ASME code coverage achieved was 40% of required volume. Reference relief request RI-21, Rev.1. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda and Req. Guide 1.150.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-210 Rev.0	NRI	
				UT-60°S	CSP-ISI-210 Rev.0	NRI	
B3.90	NVE-BD-N2K	(N2K) Nozzle - Vessel	R-126	UT-0°L	CSP-ISI-210 Rev.0	NRI	Examined for Section XI code credit and per relief request RI-27, Rev.1 has an additional examination. ASME code coverage achieved was 40% of required volume. Reference relief request RI-21, Rev.1. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda and Req. Guide 1.150.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-210 Rev.0	NRI	
				UT-60°S	CSP-ISI-210 Rev.0	NRI	
B3.90	NVE-BD-N3B	Vessel - Nozzle (N3B)	R-128	UT-0°L	CSP-ISI-210 Rev.0	NRI	Examined for Section XI code credit and per relief request RI-27, Rev.1 has an additional examination. ASME code coverage achieved was 35% of required volume. Reference relief request RI-21, Rev.1. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda and Req. Guide 1.150.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-210 Rev.0	NRI	
				UT-60°S	CSP-ISI-210 Rev.0	NRI	
B3.90	NVE-BD-N3D	Vessel - Nozzle (N3D)	R-129	UT-0°L	CSP-ISI-210 Rev.0	NRI	Examined for Section XI code credit and per relief request RI-27, Rev.1 has an additional examination. ASME code coverage achieved was 35% of required volume. Reference relief request RI-21, Rev.1. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda and Req. Guide 1.150.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-210 Rev.0	NRI	
				UT-60°S	CSP-ISI-210 Rev.0	NRI	
B3.90	NVE-BD-N4A	(N4A) Nozzle - Vessel	R-130	UT-0°L	CSP-ISI-210 Rev.0	NRI	Examined for Section XI code credit and per relief request RI-27, Rev.1 has an additional examination. During the manual examination one (1) recordable indication was detected utilizing the 60° shear wave. Previously dispositioned as acceptable. No change observed. ASME code coverage achieved was 27% of required volume. Reference relief request RI-21, Rev.1. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda and Req. Guide 1.150.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-210 Rev.0	NRI	
				UT-60°S	CSP-ISI-210 Rev.0	RI	

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B3.90	NVE-BD-N5A	(N5A) Nozzle - Vessel	R-131	UT-0°L UT-45°S UT-60°S	CSP-ISI-210 Rev.0 CSP-ISI-210 Rev.0 CSP-ISI-210 Rev.0	NRI NRI NRI	Examined for Section XI code credit and per relief request RI-27, Rev.1 has an additional examination. ASME code coverage achieved was 31% of required volume. Reference relief request RI-21, Rev.1. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda and Req. Guide 1.150.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse				
B3.90	NVE-BD-N6B	(N6B) Nozzle - Vessel	R-132	UT-0°L UT-45°S UT-60°S	CSP-ISI-210 Rev.0 CSP-ISI-210 Rev.0 CSP-ISI-210 Rev.0	NRI NRI NRI	Examined for Section XI code credit and per relief request RI-27, Rev.1 has an additional examination. ASME code coverage achieved was 76% of required volume. Reference relief request RI-21, Rev.1. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda and Req. Guide 1.150.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse				
B3.90	NVE-BD-N8A	Vessel - Nozzle (N8A)	R-133	UT-0°L UT-45°S UT-60°S	CSP-ISI-210 Rev.0 CSP-ISI-210 Rev.0 CSP-ISI-210 Rev.0	NRI NRI NRI	Examined for Section XI code credit and per relief request RI-27, Rev.1 has an additional examination. ASME code coverage achieved was 76% of required volume. Reference relief request RI-21, Rev.1. This examination is acceptable per the requirements of ASME Section XI, 1989 Edition, No Addenda and Req. Guide 1.150.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse				

B-E Category Components Examined Equal: 16

B4.12	CRD 18-35	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				
B4.12	CRD 18-47	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				
B4.12	CRD 22-11	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				
B4.12	CRD 22-43	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B4.12	CRD 26-03	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				
B4.12	CRD 26-15	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				
B4.12	CRD 26-27	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				
B4.12	CRD 26-39	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				
B4.12	CRD 26-51	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				
B4.12	CRD 30-11	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				
B4.12	CRD 30-43	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CRD		<i>Performed By:</i> NPPD				
B4.13	NVE-BE-N11A	RPV-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> NBI		<i>Performed By:</i> NPPD				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B4.13	INCORE 04-37	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> NMS		<i>Performed By:</i> NPPD				
B4.13	INCORE 12-09	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> NMS		<i>Performed By:</i> NPPD				
B4.13	INCORE 12-33	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> NMS		<i>Performed By:</i> NPPD				
B4.13	INCORE 20-05	BHD-PEN	6.MISC.502	VT-2	6.MISC.502 Rev.7	NRI	Examined for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> NMS		<i>Performed By:</i> NPPD				

B-F Category Components Examined Equal: 6

B5.10	CSA-BF-1*	Safe End - Nozzle (N5A)	R-067	PT	CSP-ISI-11 Rev.1C1	NRI	Examined using automated UT for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> CS-A		<i>Performed By:</i> Westinghouse	AUT-45°S	CSP-ISI-212 Rev.0	NRI	Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
				AUT-45°S	CSP-ISI-212 Rev.0	NRI	
				AUT-45°RL	CSP-ISI-212 Rev.0	NRI	
				AUT-60°RL	CSP-ISI-212 Rev.0	NRI	
B5.10	JPA-BF-1	(N8A) Nozzle - Safe End	R-120	PT	CSP-ISI-11 Rev.1C1	NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-213 Rev.0	NRI	
				UT-45°S	CSP-ISI-213 Rev.0	NRI	
				UT-45°RL	CSP-ISI-213 Rev.0	NRI	
				UT-60°RL	CSP-ISI-213 Rev.0	NRI	
B5.10	RRJ-BF-1	Safe End - Nozzle (N2J)	R-174	PT	CSP-ISI-11 Rev.1C1	NRI	Examined using automated UT for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> RR-A		<i>Performed By:</i> Westinghouse	AUT-45°S	CSP-ISI-212 Rev.0	NRI	Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
				AUT-45°S	CSP-ISI-212 Rev.0	NRI	
				AUT-45°RL	CSP-ISI-212 Rev.0	NRI	
				AUT-60°RL	CSP-ISI-212 Rev.0	NRI	

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B5.10	RRK-BF-1	Safe End - Nozzle (N2K)	R-175	PT	CSP-ISI-11 Rev.1C1	NRI	Examined using automated UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
	<i>System:</i> RR-A		<i>Performed By:</i> Westinghouse	AUT-45°S	CSP-ISI-212 Rev.0	NRI	
				AUT-45°S	CSP-ISI-212 Rev.0	NRI	
				AUT-45°RL	CSP-ISI-212 Rev.0	NRI	
				AUT-60°RL	CSP-ISI-212 Rev.0	NRI	
B5.130	CSA-BF-4A	Pipe - Pipe90	R-068	PT	CSP-ISI-11 Rev.1C1	NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
	<i>System:</i> CS-A		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-213 Rev.0	NRI	
				UT-45°S	CSP-ISI-213 Rev.0	NRI	
				UT-45°RL	CSP-ISI-213 Rev.0	NRI	
				UT-60°RL	CSP-ISI-213 Rev.0	NRI	
B5.130	RBD-BF-7	Pipe - Pipe	R-177	PT	CSP-ISI-11 Rev.1C1	NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2. See also RI-12, Rev. 0.
	<i>System:</i> RR-B		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-213 Rev.0	NRI	
				UT-45°S	CSP-ISI-213 Rev.0	NRI	
				UT-45°RL	CSP-ISI-213 Rev.0	NRI	
				UT-60°RL	CSP-ISI-213 Rev.0	NRI	

B-G-2 Category Components Examined Equal: 5

B7.10	N6A-BG2	Flange-Bolting	R-121	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse				
B7.10	N6B-BG2	Flange-Bolting	R-122	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse				
B7.50	RRF-BG2-B	Flange-Bolting	R-183	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> RR-B		<i>Performed By:</i> Westinghouse				
B7.70	MS-RV-71D	Valve Bolting	R-110	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS-B		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B7.70	MS-RV-70C	Valve Bolting	R-119	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS-D		<i>Performed By:</i> Westinghouse				

B-J Category Components Examined Equal: 43

B9.11	CSA-BJ-2*	Pipe90 - Safe End	R-069	PT UT-45°S	CSP-ISI-11 Rev.1C1 CSP-ISI-207 Rev.0	NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
	<i>System:</i> CS-A		<i>Performed By:</i> Westinghouse				

B9.11	PSA-BJ-1	Weld-O-Let - Elbow	R-096	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	Examination performed from the downstream (elbow) side only due to weld-o-let to elbow configuration, however 100% ASME code coverage was achieved.
	<i>System:</i> MS		<i>Performed By:</i> Westinghouse				

B9.11	PSA-BJ-2	Elbow - Pipe	R-097	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS		<i>Performed By:</i> Westinghouse				

B9.11	MSA-BJ-1*	Safe End - Pipe	R-101	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS-A		<i>Performed By:</i> Westinghouse				

B9.11	MSA-BJ-111	(N3A) Nozzle - Safe End	R-102	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS-A		<i>Performed By:</i> Westinghouse				

B9.11	MSA-BJ-2	Pipe - Elbow	R-103	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS-A		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B9.11	MSA-BJ-3	Elbow - Pipe	R-104	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS-A		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-209 Rev.0	NRI	
B9.11	MSB-BJ-1*	Safe End - Pipe	R-106	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS-B		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-209 Rev.0	NRI	
B9.11	MSD-BJ-1*	Safe End - Pipe	R-114	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS-D		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-209 Rev.0	NRI	
B9.11	MSD-BJ-111	(N3D) Nozzle - Safe End	R-115	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS-D		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-209 Rev.0	NRI	
B9.11	FWA-BJ-1*	Pipe - Safe End	R-150	MT	CSP-ISI-70 Rev.1	NRI	Examined using automated UT for ASME Section XI, 1989 Edition, No Addenda, code credit.
	<i>System:</i> RF		<i>Performed By:</i> Westinghouse	AUT-45°S	CSP-ISI-214 Rev.0	NRI	
B9.11	FWA-BJ-10*	Elbow - Pipe	R-151	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> RF		<i>Performed By:</i> Westinghouse	UT-45°S UT-60°S	CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI	
B9.11	FWA-BJ-111	Safe End - Nozzle (N4A)	R-152	MT	CSP-ISI-70 Rev.1	NRI	Examined using automated UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Examination also included Zone 5 for NUREG-0619.
	<i>System:</i> RF		<i>Performed By:</i> Westinghouse	AUT-45°S	CSP-ISI-214 Rev.0	NRI	
B9.11	FWA-BJ-23*	Elbow - Pipe	R-153	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> RF		<i>Performed By:</i> Westinghouse	UT-45°S UT-60°S	CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI	

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B9.11	RHC-BJ-1 <i>System:</i> RHR-B	Elbow - Valve	R-159 <i>Performed By:</i> Westinghouse	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	Examination performed from the upstream (elbow) side only due to elbow to valve configuration, however 100% ASME code coverage was achieved.
B9.11	RHC-BJ-10* <i>System:</i> RHR-B	Elbow - Pipe	R-160 <i>Performed By:</i> Westinghouse	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	ASME Section XI, 1989 Edition, No Addenda.
B9.11	RHC-BJ-15* <i>System:</i> RHR-B	Pipe - Pipe	R-161 <i>Performed By:</i> Westinghouse	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	ASME Section XI, 1989 Edition, No Addenda.
B9.11	RHC-BJ-2 <i>System:</i> RHR-B	Pipe - Elbow	R-162 <i>Performed By:</i> Westinghouse	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	ASME Section XI, 1989 Edition, No Addenda.
B9.11	CWA-BJ-1* <i>System:</i> RR-A	Weld-O-Let - Elbow	R-168 <i>Performed By:</i> Westinghouse	PT UT-45°S UT-70°S	CSP-ISI-11 Rev.1C1 CSP-ISI-207 Rev.0 CSP-ISI-207 Rev.0	NRI NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2. Examination performed from the downstream (elbow) side only due to weld-o-let to elbow configuration, however 100% ASME code coverage was achieved.
B9.11	RAD-BJ-4 <i>System:</i> RR-A	Pipe - Tee	R-169 <i>Performed By:</i> Westinghouse	PT UT-45°S	CSP-ISI-11 Rev.1C1 CSP-ISI-207 Rev.0	NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.11	RRH-BJ-3 <i>System:</i> RR-A	Reducer - Pipe	R-173 <i>Performed By:</i> Westinghouse	PT UT-45°S	CSP-ISI-11 Rev.1C1 CSP-ISI-207 Rev.0	NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.11	RBD-BJ-6 <i>System:</i> RR-B	Pipe - Tee	R-178 <i>Performed By:</i> Westinghouse	PT UT-45°S UT-60°RL	CSP-ISI-11 Rev.1C1 CSP-ISI-207 Rev.0 CSP-ISI-207 Rev.0	NRI NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2. Examination performed from the upstream (pipe) side only due to pipe to tee configuration, however 100% of the code required volume was achieved.

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B9.11	RRE-BJ-3 <i>System:</i> RR-B	Pipe90 - Pipe90	R-180 <i>Performed By:</i> Westinghouse	PT UT-45°S	CSP-ISI-11 Rev.1C1 CSP-ISI-207 Rev.0	NRI NI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.11	RRE-BJ-4 <i>System:</i> RR-B	Pipe90 - Pipe90	R-181 <i>Performed By:</i> Westinghouse	PT UT-45°S	CSP-ISI-11 Rev.1C1 CSP-ISI-207 Rev.0	NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.11	RRE-BJ-5 <i>System:</i> RR-B	Reducer - Pipe	R-182 <i>Performed By:</i> Westinghouse	PT UT-45°S	CSP-ISI-11 Rev.1C1 CSP-ISI-207 Rev.0	NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.21	RSA-BJ-8* <i>System:</i> MS	Elbow - Pipe	R-100 <i>Performed By:</i> Westinghouse	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
B9.21	MSDR-BJ-2 <i>System:</i> MS-D	Pipe - Valve	R-116 <i>Performed By:</i> Westinghouse	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
B9.21	RVI-BJ-11A1 <i>System:</i> NBI	(11A1) Nozzle - Safe End	R-143 <i>Performed By:</i> Westinghouse	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda, code credit for Nozzle-Safe End weld. Also examined Welds and 100% of Safe-End in accordance with GE SIL-571.
B9.21	RVI-BJ-16A1 <i>System:</i> NBI	(16A1) Nozzle - Safe End	R-144 <i>Performed By:</i> Westinghouse	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda, code credit for Nozzle-Safe End weld. Also examined Welds and 100% of Safe-End in accordance with GE SIL-571.
B9.31	MSB-BJ-18 <i>System:</i> MS-B	Pipe - Sweep-O-Let	R-107 <i>Performed By:</i> Westinghouse	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed from the upstream (pipe) side only due to pipe to sweep-o-let configuration, however 100% code required volume was achieved.

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B9.31	MSC-BJ-16 <i>System:</i> MS-C	Pipe - Sweep-O-Let	R-111 <i>Performed By:</i> Westinghouse	MT UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0	NRI NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed from the upstream (pipe) side only due to sweep-o-let configuration, however 100% code required volume was achieved.
B9.32	MSC-BJ-25* <i>System:</i> MS-C	24" Pipe - 3" Weld-O-Let	R-112 <i>Performed By:</i> Westinghouse	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
B9.40	RHC-BJ-84 <i>System:</i> RHR	Socket - Pipe	R-217 <i>Performed By:</i> Westinghouse	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda. This is a baseline PT examination for this component.
B9.40	RHC-BJ-85 <i>System:</i> RHR	Pipe - Socket Elbow	R-218 <i>Performed By:</i> Westinghouse	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda. This is a baseline PT examination for this component.
B9.40	RHC-BJ-90 <i>System:</i> RHR	Socket Elbow - Pipe	R-219 <i>Performed By:</i> Westinghouse	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda. This is a baseline PT examination for this component.
B9.40	RHC-BJ-91 <i>System:</i> RHR	Pipe - Socket	R-220 <i>Performed By:</i> Westinghouse	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda. This is a baseline PT examination for this component.
B9.40	CWA-BJ-30 <i>System:</i> RWCU	Valve - Pipe	R-185 <i>Performed By:</i> Westinghouse	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda.
B9.40	CWA-BJ-35 <i>System:</i> RWCU	Pipe - Elbow	R-186 <i>Performed By:</i> Westinghouse	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda.

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B9.40	CWA-BJ-36	Elbow - Pipe	R-187	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> RWCU		<i>Performed By:</i> Westinghouse				
B9.40	SLC-BJ-37	Pipe - Elbow	R-195	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> SLC		<i>Performed By:</i> Westinghouse				
B9.40	SLC-BJ-38	Elbow - Pipe	R-196	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> SLC		<i>Performed By:</i> Westinghouse				
B9.40	SLC-BJ-44	Elbow - Pipe	R-197	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> SLC		<i>Performed By:</i> Westinghouse				
B9.40	SLC-BJ-45	Pipe - Elbow	R-198	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> SLC		<i>Performed By:</i> Westinghouse				
<i>B-K-1 Category Components Examined Equal: 3</i>							
B10.20	MSB-BK1-32	Lugs	R-108	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> MS-B		<i>Performed By:</i> Westinghouse				
B10.20	RR-BK1-4A	Hanger Shear Lugs	R-171	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination was limited to 89.46% ASME code coverage due to pipe clamp and lug configuration. Reference relief request RI-17.
	<i>System:</i> RR-A		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B10.20	RR-BK1-4B	Hanger Shear Lugs	R-179	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination was limited to 89.60% ASME code coverage due to pipe clamp and lug configuration. Examined per commitment in relief request RI-17.
	<i>System:</i> RR-B		<i>Performed By:</i> Westinghouse				

B-M-2 Category Components Examined Equal: 1

B12.50	RHR-CV-27CV-BM2	VLV-INT	00-0762	VT-3	3.28.1.3 Rev.2	NRI	ASME Section XI, 1989 Edition, No Addenda, code credit for Valve Group "M". Examination performed per MWRNO: 00-0762 after disassembly of valve for repair.
	<i>System:</i> RHR		<i>Performed By:</i> NPPD				

B-P Category Components Examined Equal: 1

B15.50	VS.HD.FL.SEL.LEK.DET	Inst - Line	99-1341	VT-2	7.08.1 Rev.10	NRI	ASME Section XI, 1989 Edition, No Addenda. Examined when cavity is flooded per relief request PR-04 for ASME Section XI, 1989 Edition, No Addenda, code credit. Required by PM 10606 and directed by MWRNO: 99-1341.
	<i>System:</i> NBI		<i>Performed By:</i> NPPD				

C-C Category Components Examined Equal: 3

C3.20	CSB-CC-10	Integrally Welded Attachment	R-070	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> CS-B		<i>Performed By:</i> Westinghouse				

C3.20	HPIS-CC-22	Plate	R-091	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				

C3.20	RHC-CC-58	Integrally Welded Attachment	R-163	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination was limited due to pipe clamp, however 91.46% ASME code coverage was achieved. ASME Section XI, 1989 Edition, reference code case N-460. Selected to satisfy commitment in relief request RI-17.
	<i>System:</i> RHR-B		<i>Performed By:</i> Westinghouse				

C-F-2 Category Components Examined Equal: 11

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
C5.51	CSB-CF-12 <i>System:</i> CS-B	Pipe - Reducer	R-071 <i>Performed By:</i> Westinghouse	MT UT-0°L UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI NRI	ASME Section XI, 1989 Edition, No Addenda. This is a baseline UT examination for this component.
C5.51	CSB-CF-15 <i>System:</i> CS-B	Valve - Pipe	R-072 <i>Performed By:</i> Westinghouse	MT UT-0°L UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI NRI	ASME Section XI, 1989 Edition, No Addenda. This a baseline UT examination for this component. Examination performed from the downstream (pipe) side only due valve to pipe configuration, however 100% ASME code coverage was achieved.
C5.51	HPID-CF-14 <i>System:</i> HPCI	Elbow - Pipe	R-089 <i>Performed By:</i> Westinghouse	MT UT-0°L UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI NRI	ASME Section XI 1989 Edition, No Addenda. This is a baseline UT examination for this component.
C5.51	HPID-CF-54 <i>System:</i> HPCI	Pipe - Elbow	R-090 <i>Performed By:</i> Westinghouse	MT UT-0°L UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI NRI	ASME Section XI, 1989 Edition, No Addenda.
C5.51	HPIS-CF-34 <i>System:</i> HPCI	Pipe - Pump	R-092 <i>Performed By:</i> Westinghouse	MT UT-0°L UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI NRI	ASME Section XI, 1989 Edition, No Addenda. This is a baseline UT examination for this component. Examination performed from the upstream (pipe) side only due to pipe to pump configuration, however 100% ASME code coverage was achieved.
C5.51	PSA-CF-3 <i>System:</i> MS	Elbow - Pipe	R-098 <i>Performed By:</i> Westinghouse	MT UT-45°S UT-60°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI NRI	ASME Section XI, 1989 Edition, No Addenda. During the manual UT-60S examination an indication was recorded and plotted on Indication Sheet Number-010. However this indication was determined to be ID Root Geometry.
C5.51	RBS-CF-13 <i>System:</i> MS	Elbow - Pipe	R-099 <i>Performed By:</i> Westinghouse	MT UT-45°S UT-60°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI NRI	ASME Section XI, 1989 Edition, No Addenda. During the manual UT-60S examination an indication was recorded and plotted on Indication Sheet Number-012. However this indication was determined to be ID Root Geometry.
C5.51	RBS-CF-4 <i>System:</i> RHR-B	Pipe - Elbow	R-156 <i>Performed By:</i> Westinghouse	MT UT-0°L UT-45°S	CSP-ISI-70 Rev.1 CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI NRI	ASME Section XI, 1989 Edition, No Addenda. During the manual UT-45S examination an indication was recorded and plotted on Indication Sheet Number-011. However this indication was determined to be ID Root Geometry. This is a baseline UT examination for this component.

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
C5.51	RBW-CF-79	Tee - Pipe	R-157	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> RHR-B		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-209 Rev.0	NRI	
C5.51	RHC-CF-2	Elbow - Pipe	R-164	MT	CSP-ISI-70 Rev.1	NRI	ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> RHR-B		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-209 Rev.0	NRI	
C5.51	SDN-CF-9	Cap - Pipe	R-191	PT	CSP-ISI-11 Rev.1C1	NRI	ASME Section XI, 1989 Edition, No Addenda. This a baseline UT examination for this component.
	<i>System:</i> SDV		<i>Performed By:</i> Westinghouse	UT-0°L UT-45°S	CSP-ISI-209 Rev.0 CSP-ISI-209 Rev.0	NRI NRI	

D-A Category Components Examined Equal: 10

D1.10	ECST-TK-A1	SP-TK	R-078	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed in accordance with Code Case N-509.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				
D1.10	ECST-TK-A2	SP-TK	R-079	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed in accordance with Code Case N-509.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				
D1.10	ECST-TK-A3	SP-TK	R-080	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed in accordance with Code Case N-509.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				
D1.10	ECST-TK-A4	SP-TK	R-081	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed in accordance with Code Case N-509.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
D1.10	ECST-TK-A5	SP-TK	R-082	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed in accordance with Code Case N-509.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				
D1.10	ECST-TK-A6	SP-TK	R-083	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed in accordance with Code Case N-509.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				
D1.20	HPIS-DB-1	Saddle	R-093	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed in accordance with Code Case N-509.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				
D1.20	SW-DB-145	Saddle	R-202	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed in accordance with Code Case N-509.
	<i>System:</i> SW-B		<i>Performed By:</i> Westinghouse				
D1.20	SW-DB-16	Saddle	R-203	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed in accordance with Code Case N-509.
	<i>System:</i> SW-B		<i>Performed By:</i> Westinghouse				
D1.20	SW-DB-50	Saddle	R-204	VT-1	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda. Examination performed in accordance with Code Case N-509.
	<i>System:</i> SW-B		<i>Performed By:</i> Westinghouse				

F-A Category Components Examined Equal: 36

F.1.40.B	REC-PA-S1	SP-PP	R-148	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> REC		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
F1.10.A	LC-H28	Rod Hanger	R-192	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> SLC		<i>Performed By:</i> Westinghouse				
F1.10.A	LC-H32	Rigid Brace	R-193	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> SLC		<i>Performed By:</i> Westinghouse				
F1.10.A	LC-H33	Rigid Brace	R-194	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> SLC		<i>Performed By:</i> Westinghouse				
F1.10.B	MS-GB1	Restraint Structural Frame	R-105	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> MS-A		<i>Performed By:</i> Westinghouse				
F1.10.B	MS-GD1	Restraint Structural Frame	R-117	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> MS-D		<i>Performed By:</i> Westinghouse				
F1.10.B	RR-SB1-A	Sway Brace	R-176	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> RR-A		<i>Performed By:</i> Westinghouse				
F1.10.C	MS-HB3	Variable Spring	R-109	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491. SAT, Acceptable as is. No additional examinations required.
	<i>System:</i> MS-B		<i>Performed By:</i> Westinghouse				
F1.10.C	MS-HC2	Variable Spring	R-113	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> MS-C		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
F1.10.C	MS-HD3	Variable Spring	R-118	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> MS-D		<i>Performed By:</i> Westinghouse				
F1.20.A	CSH-11	Sway Strut	R-074	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> CS-B		<i>Performed By:</i> Westinghouse				
F1.20.A	CSS-14A	Rigid Strut	R-076	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> CS-B		<i>Performed By:</i> Westinghouse				
F1.20.A	RFH-59A	Sway Strut	R-094	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				
F1.20.A	MSH-112	Sway Strut	R-095	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> MS		<i>Performed By:</i> Westinghouse				
F1.20.A	CRD-9S	Sway Strut	R-188	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> SDV		<i>Performed By:</i> Westinghouse				
F1.20.B	CSH-1A	Sway Strut	R-075	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491. 1) Spherical bearings are partially painted. 2) Spherical bearings on north-west strut are slightly corroded. 3) Rotational freedom cannot be verified. SAT, Acceptable as is per DED Civil Engineering. No additional examinations required.
	<i>System:</i> CS-B		<i>Performed By:</i> Westinghouse				
F1.20.B	HPH-11	Pipe Stanchion	R-084	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
F1.20.B	RHH-18A <i>System:</i> RHR-B	Rigid Brace	R-166 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	RI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491. Unsat due to Code Case N-491-3410 (a) (2) Reference PIR S/N: 4-077704 for repair and reexamination. Addition examinations in accordance with Code Case N-491-2430 (a) were performed. Reference MWRNO: 99-1934. Successive reexamination in accordance with Code Case N-491-2420 (b) due in Inspection Period (3) Three.
F1.20.B	PSA-1 <i>System:</i> SDV	Rigid Brace Frame	R-190 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
F1.20.C	CSH-10 <i>System:</i> CS-B	Variable Spring	R-073 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
F1.20.C	PVH-104 <i>System:</i> PNC	Variable Spring	99-1112 <i>Performed By:</i> NPPD	VT-3	7.2.57 Rev. 8	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
F1.20.C	RHH-17 <i>System:</i> RHR-B	Variable Spring	R-165 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
F1.20.C	RHH-69 <i>System:</i> RHR-B	Variable Spring	R-167 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
F1.30.A	HPH-12 <i>System:</i> HPCI	Pipe Stanchion	R-085 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
F1.30.A	HPH-16 <i>System:</i> HPCI	Rigid Hanger	R-086 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
F1.30.A	HPH-5	Sway Strut	R-087	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				
F1.30.A	RCC-H-181	Pipe Stanchion	R-146	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> REC		<i>Performed By:</i> Westinghouse				
F1.30.A	SW-H-23G	Rigid Strut	R-199	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> SW-A		<i>Performed By:</i> Westinghouse				
F1.30.A	SW-H-97	Pipe Stanchion	R-200	VT-3	CSP-ISI-8 Rev.8	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> SW-A		<i>Performed By:</i> Westinghouse				
F1.30.A	SW-H-145	Pipe Stanchion	R-205	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> SW-B		<i>Performed By:</i> Westinghouse				
F1.30.A	SW-H-23E	Restraint Structural Frame	R-206	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> SW-B		<i>Performed By:</i> Westinghouse				
F1.30.A	SW-H-96	Pipe Stanchion	R-207	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> SW-B		<i>Performed By:</i> Westinghouse				
F1.30.A	SW-S-50	Sway Strut	R-208	VT-3	CSP-ISI-8 Rev.0	RI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491. Unsat due to Code Case N-491-3410 (a) (2) Reference PIR S/N: 4-06818 for repair and reexamination. Addition examinations in accordance with Code Case N-491-2430 (a) were performed. Reference MWRNO: 99-1935 and 99-1940. Successive reexamination in accordance with Code Case N-491-2420 (b) due in Inspection Period (3) Three.
	<i>System:</i> SW-B		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
F1.30.B	HPH-55A	Pipe Stanchion	R-088	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				
F1.30.B	SW-16	Pipe Stanchion	R-201	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> SW-B		<i>Performed By:</i> Westinghouse				
F1.40.A	ECST-1A	SP-TK	R-077	VT-3	CSP-ISI-8 Rev.0	NRI	ASME Section XI, 1989 Edition, No Addenda in accordance with Code Case N-491.
	<i>System:</i> HPCI		<i>Performed By:</i> Westinghouse				

IWE: E-A Category Components Examined Equal: 46

E1.12	B1-INT	Interior Above Water	R-003	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.12	B1-RG-ATT	Ring Girder-Att Welds	R-004	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.12	B1-SDL-ATT	Saddle-Att Welds	R-005	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.12	B1-SPT-ATT	Sup Col-Att Welds	R-006	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E1.12	B2-INT <i>System:</i> PC	Interior Above Water	R-011 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.12	B2-RG-ATT <i>System:</i> PC	Ring Girder-Att Welds	R-012 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.12	B2-SDL-ATT <i>System:</i> PC	Saddle-Att Welds	R-013 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
E1.12	B2-SPT-ATT <i>System:</i> PC	Sup Col-Att	R-014 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
E1.12	B3-INT <i>System:</i> PC	Interior Above Water	R-019 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.12	B3-RG-ATT <i>System:</i> PC	Ring Girder-Att Welds	R-020 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.12	B3-SDL-ATT <i>System:</i> PC	Saddle-Att Welds	R-021 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	RI (E)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Recordable indications are small crack like indications in the gusset plate to Torus surface weld area, reference PIR 4-07160. Indications are acceptable per IWE-3122.4 based on Engineering Evaluation. Additional examination were performed in accordance with the requirements of IWE-2430 (a).
E1.12	B3-SPT-ATT <i>System:</i> PC	Sup Col-Att Welds	R-022 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E1.12	B4-INT	Interior Above Water	R-027	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.12	B4-RG-ATT	Ring Girder-Att Welds	R-028	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.12	B4-SDL-ATT	Saddle-Att Welds	R-029	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.12	B4-SPT-ATT	Sup Col-Att Welds	R-030	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.12	B5-INT	Interior Above Water	R-035	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.12	B5-RG-ATT	Ring Girder-Att Welds	R-036	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.12	B5-SDL-ATT	Saddle-Att Welds	R-037	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.12	B5-SPT-ATT	Sup Col-Att Welds	R-038	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E1.12	DW-UB <i>System:</i> PC	Drywell Upper Bulb	R-042 <i>Performed By:</i> Westinghouse	VT-3 MT MT	CSP-ISI-216 Rev.0 CSP-ISI-70 Rev.1C1 CSP-ISI-70 Rev.1C1	RI (H)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Arc Strikes were found and recorded, reference R-042 data sheet IWE-042 and PIR 4-07420. Arc Strikes were repaired/removed and reexamined per MWRNO: 00-0811. Reference R-042 data sheets IWE-078, 079, and 080 and R-225 data sheets S-083, 084, and 085. Additional examinations were performed in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a).
E1.20	B1-DWN <i>System:</i> PC	Downcomer	R-001 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.20	B1-DWN-ATT <i>System:</i> PC	Downcomer-Att Welds	R-002 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Examination performed on all accessible outside surfaces areas of Torus section one (1) downcomer attachment welds, which revealed small areas of light rust. Also showed signs of discoloration and corrosion in conjunction with areas of Recordable Indications #3 and #4 for component B1-VH. Torus inside surface section one (1) Vent Header Assembly. Reference R-007 data sheet IWE-007.
E1.20	B1-VH <i>System:</i> PC	Vent HD-Assembly	R-007 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	RI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Two (2) recordable indications, reference PIR number 4-07169, consisting of one (1) hole each next to the first set of downcomers due to burn through from downcomer attachment welds on the outside surface of Torus section one (1). Indications are acceptable per IWE-3122 .4 based on DED evaluation, reference DED2000036. Reference R-002 data sheet IWE-002, for component B1-DWN-ATT, discoloration of welds on the outside surface welds. Additional examinations were performed in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a).
E1.20	B1-VH-ATT <i>System:</i> PC	Vent HD Sup-Att Welds	R-008 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.20	B2-DWN <i>System:</i> PC	Downcomer	R-009 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.20	B2-DWN-ATT <i>System:</i> PC	Downcomer-Att Welds	R-010 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E1.20	B2-VH	Vent HD-Assembly	R-015	VT-3	CSP-ISI-216 Rev.0	NRI (A) (D)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Examination performed on all accessible inside surface areas of Torus section two (2) Vent Header Assembly which revealed flaking and missing paint.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.20	B2-VH-ATT	Vent HD Sup-Att Welds	R-016	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.20	B3-DWN	Downcomer	R-017	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.20	B3-DWN-ATT	Downcomer-Att Welds	R-018	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.20	B3-VH	Vent HD-Assembly	R-023	VT-3	CSP-ISI-216 Rev.0	NRI (D)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Examination performed on inside surface areas of Torus section three (3) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.20	B3-VH-ATT	Vent HD-Att Welds	R-024	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.20	B4-DWN	Downcomer	R-025	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.20	B4-DWN-ATT	Downcomer-Att Welds	R-026	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E1.20	B4-VH <i>System: PC</i>	Vent HD-Assembly	R-031 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (D)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Examination performed on inside surface areas of Torus section four (4) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.
E1.20	B4-VH-ATT <i>System: PC</i>	Vent HD-Att Welds	R-032 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.20	B5-DWN <i>System: PC</i>	Downcomer	R-033 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.20	B5-DWN-ATT <i>System: PC</i>	Downcomer-Att Welds	R-034 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.20	B5-VH <i>System: PC</i>	Vent HD-Assembly	R-039 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (D)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Examination performed on inside surface areas of Torus section five (5) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.
E1.20	B5-VH-ATT <i>System: PC</i>	Vent HD-Att Welds	R-040 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
E1.20	DW-LB <i>System: PC</i>	Drywell Lower Bulb	R-041 <i>Performed By:</i> Westinghouse	VT-3 MT	CSP-ISI-216 Rev.0 CSP-ISI-70 Rev.1C1	RI (H)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. During examination of all accessible areas of the "Drywell Lower Bulb", recordable indications Arc Strikes, reference PIR 4-07420, were found and recorded, reference R-041 data sheet IWE-041. Indications, Arc Strikes, were repaired/removed and reexamination performed per MWRNO: 00-0811. Reference R-041 data sheets IWE-076 and 077. Also reference R-224 data sheets S-081 and 082. Additional examinations were performed in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a).

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E1.20	X201A-EB	Vent Line-Exp Bellows	R-049	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.20	X201B-EB	Vent Line-Exp Bellows	R-050	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Small areas of light rust found during examination of all accessible areas.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.20	X5A-V	Vent Line	R-057	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E1.20	X5B-V	Vent Line	R-058	VT-3	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				

IWE: E-D Category Components Examined Equal: 1

E5.30	DWI-MB	Drywell Int-Moist.Barrier	R-043	VT-3	CSP-ISI-216 Rev.0	RI (J)	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Recordable indications, reference R-043 data sheet IWE-043 and PIR 4-07163. Indications repaired and reexamined per MWRNO: 00-0700NRI. Reexamination results are NRI, reference R-0043 data sheet IWE-81. No additional examinations performed due to 100% of the Drywell Moisture Barrier and Drywell Lower Bulb being examined. Reference 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a).
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				

IWE: E-G Category Components Examined Equal: 9

E8.10	X1A-BLT	NE Equip.Hatch-Blt	99-2823	VT-1	3.28.1.6 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E8.10	X1B-BLT	SW Equip.Hatch-Blt	00-0440	VT-1	3.28.1.6 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E8.10	X200A-BLT	Supp.Pool-Man.Flg.Blt	00-0537	VT-1	3.28.1.6	RI	Examined per ASME Section XI, 1992 Edition, 92 Addenda. Indications were recorded during the ISI examination of removed bolts and nuts which resulted in additional examinations. Reference MWRNO: 00-0537 PIR S/N 4-08131 and MWRNO: 99-1260. A PSI examination was performed on replacement bolts and nuts. Additional examinations were performed in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a).
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E8.10	X35A-BLT	TIP Pent-Flg.Blt	R-051	VT-1	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E8.10	X35B-BLT	TIP Pent-Flg.Blt	R-052	VT-1	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E8.10	X35C-BLT	TIP Pent-Flg.Blt	R-053	VT-1	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E8.10	X35D-BLT	TIP Pent-Flg.Blt	R-054	VT-1	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E8.10	X35E-BLT	TIP Pent-Flg.Blt	R-055	VT-1	CSP-ISI-216 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> Westinghouse				
E8.10	X6-BLT	CRD Hatch-Blt	00-0111	VT-1	3.28.1.6 Rev.0	NRI	Examined per ASME Section XI, 1992 Edition, 92 Addenda.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				

IWE: E-P Category Components Examined Equal: 34

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E9.20	X7A-IB-LLRT	MS Line Bellows Inboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.20	X7A-OB-LLRT	MS Line Bellows Outboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.20	X7B-IB-LLRT	MS Line Bellows Inboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.20	X7B-OB-LLRT	MS Line Bellows Outboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.20	X7C-IB-LLRT	MS Line Bellows Inboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.20	X7C-OB-LLRT	MS Line Bellows Outboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.20	X7D-IB-LLRT	MS Line Bellows Inboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.20	X7D-OB-LLRT	MS Line Bellows Outboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E9.20	X9A-IB-LLRT	FW Line Bellows Inboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.20	X9A-OB-LLRT	FW Line Bellows Outboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.20	X9B-IB-LLRT	FW Line Bellows Inboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.20	X9B-OB-LLRT	FW Line Bellows Outboard	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.30	X2-LLRT	Personnel Hatch	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	DWH-LLRT	Drywell Head	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X100A-LLRT	Electrical Penetration	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X101A-LLRT	Electrical Penetration	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E9.40	X102-LLRT	Low Voltage Instr. & Control	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X104D-LLRT	CRD Position Indicator	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X104E-LLRT	CRD Position Indicator	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X1A-LLRT	Northeast Equipment Hatch	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X1B-LLRT	Southwest Equipment Hatch	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X200A-LLRT	Suppression Pool Manway	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X200B-LLRT	Suppression Pool Manway	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X209A-LLRT	Air Temperature Line	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E9.40	X209C-LLRT	Air Temperature Line	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X35A-LLRT	Tip Penetration	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X35B-LLRT	Tip Penetration	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X35C-LLRT	Tip Penetration	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X35D-LLRT	Tip Penetration	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X35E-LLRT	Tip Penetration	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X4-LLRT	DW Head Manway	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X43-LLRT	RR Pump Flush Test Conn	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E9.40	X44-LLRT	RR Pump Flush Test Conn	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				
E9.40	X6-LLRT	CRD Hatch	6.PC.501	LLRT	6.PC.501	SAT	Examined per ASME Section XI, 1992 Edition, 92 Addenda. LLRT performed and results recorded as part of procedure 6.PC.501.
	<i>System:</i> PC		<i>Performed By:</i> NPPD				

XM.2420.B-A Category Components Examined Equal: 1

B3.90	NVE-BD-N3A	Vessel - Nozzle (N3A)	R-127	UT-0°L	CSP-ISI-210 Rev.0	NRI	Successive reexamination of in accordance with IWB-2420 (b) a partial examination performed on weld NVE-BD-N3A to meet the requirements of IWB-2420 paragraphs b, and c (successive examination). See examination summary sheet for detailed results.
	<i>System:</i> NB		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-210 Rev.0	NRI	
				UT-60°S	CSP-ISI-210 Rev.0	RI	

XM.2420.F-A Category Components Examined Equal: 6

F1.10.C	RFH-70	Constant Support	R-154	VT-3	CSP-ISI-8 Rev.0	NRI	Successive reexamination in accordance with Code Case N-491-2420 (b). Bent scale Reference PIR S/N: 4-07988. "Acceptable as is". Will revert to original inspection schedule in accordance with Code Case N-491-2420 [c]. ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> RF		<i>Performed By:</i> Westinghouse				
F1.10.C	RFH-73	Constant Support Trapeze	R-155	VT-3	CSP-ISI-8 Rev.0	NRI	Successive reexamination in accordance with Code Case N-491-2420 (b). Results SAT. Will revert to original inspection schedule in accordance with Code Case N-491-2420 [c]. ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> RF		<i>Performed By:</i> Westinghouse				
F1.10.C	RR-H1-A	Variable Spring	R-172	VT-3	CSP-ISI-8 Rev.0	NRI	Successive reexamination in accordance with Code Case N-491-2420 (b). Results SAT. Will revert to original inspection schedule in accordance with Code Case N-491-2420 [c]. ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> RR-A		<i>Performed By:</i> Westinghouse				
F1.10.C	RR-H2-B	Variable Spring	R-184	VT-3	CSP-ISI-8 Rev.0	NRI	Successive reexamination in accordance with Code Case N-491-2420 (b). Results SAT. Will revert to original inspection schedule in accordance with Code Case N-491-2420 [c]. ASME Section XI, 1989 Edition, No Addenda.
	<i>System:</i> RR-B		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
F1.20.A	CRD-MN	Rigid Brace	R-189	VT-3	CSP-ISI-8 Rev.0	NRI	Successive reexamination in accordance with Code Case N-491-2420 (b). Results SAT. Will revert to original inspection schedule in accordance with Code Case N-491-2420 [c]. ASME Section XI, 1989 Edition, No Addenda.
<i>System:</i> SDV			<i>Performed By:</i> Westinghouse				
F1.30.C	RCC-H-24	Variable Spring	R-147	VT-3	CSP-ISI-8 Rev.0	NRI	Successive reexamination in accordance with Code Case N-491-2420 (b). Results SAT. Will revert to original inspection schedule in accordance with Code Case N-491-2420 [c]. ASME Section XI, 1989 Edition, No Addenda.
<i>System:</i> REC			<i>Performed By:</i> Westinghouse				
<i>XM.ADD.E-A Category Components Examined Equal: 17</i>							
E1.12	B10-SDL-ATT	Saddle-Att Welds	R-063	VT-3	CSP-ISI-216 Rev.0	NRI	Additional examination in accordance with the requirements of IWE-2430 (a).
<i>System:</i> PC			<i>Performed By:</i> Westinghouse				
E1.12	B6-SDL-ATT	Saddle-Att Welds	R-059	VT-3	CSP-ISI-216 Rev.0	NRI	Additional examination in accordance with the requirements of IWE-2430 (a).
<i>System:</i> PC			<i>Performed By:</i> Westinghouse				
E1.12	B7-SDL-ATT	Saddle-Att Welds	R-060	VT-3	CSP-ISI-216 Rev.0	NRI (J)	Additional examination in accordance with the requirements of IWE-2430 (a).
<i>System:</i> PC			<i>Performed By:</i> Westinghouse				
E1.12	B8-SDL-ATT	Saddle-Att Welds	R-061	VT-3	CSP-ISI-216 Rev.0	NRI	Additional examination in accordance with the requirements of IWE-2430 (a).
<i>System:</i> PC			<i>Performed By:</i> Westinghouse				
E1.12	B9-SDL-ATT	Saddle-Att Welds	R-062	VT-3	CSP-ISI-216 Rev.0	NRI	Additional examination in accordance with the requirements of IWE-2430 (a).
<i>System:</i> PC			<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E1.12	DW-UC	Drywell Upper Cylinder	R-075	VT-3	CSP-ISI-216 Rev.0	NRI (A)(C)(D) (J)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). The general area has minor chipping, scuffing, scraping, flaking and discoloration. No degradation of primercoat noted. Some areas inaccessible due to shielding.
<i>System:</i> PC		<i>Performed By:</i> Westinghouse					
E1.20	B10-VH	Vent HD-Assembly	R-068	VT-3	CSP-ISI-216 Rev.0	RI (J)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Two (2) indications recorded, reference PIR 4-07273. Indications are acceptable per IWE-3122.4 based on DED evaluation, reference DED2000036.
<i>System:</i> PC		<i>Performed By:</i> Westinghouse					
E1.20	B11-VH	Vent HD-Assembly	R-069	VT-3	CSP-ISI-216 Rev.0	RI (D)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Examination performed on inside surface areas of Torus section eleven (11) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.
<i>System:</i> PC		<i>Performed By:</i> Westinghouse					
E1.20	B12-VH	Vent HD-Assembly	R-070	VT-3	CSP-ISI-216 Rev.0	RI (D)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Examination performed on inside surface areas of Torus section twelve (12) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.
<i>System:</i> PC		<i>Performed By:</i> Westinghouse					
E1.20	B13-VH	Vent HD-Assembly	R-071	VT-3	CSP-ISI-216 Rev.0	RI (D)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Examination performed on inside surface areas of Torus section thirteen (13) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.
<i>System:</i> PC		<i>Performed By:</i> Westinghouse					
E1.20	B14-VH	Vent HD-Assembly	R-072	VT-3	CSP-ISI-216 Rev.0	RI (D)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Examination performed on inside surface areas of Torus section fourteen (14) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.
<i>System:</i> PC		<i>Performed By:</i> Westinghouse					
E1.20	B15-VH	Vent HD-Assembly	R-073	VT-3	CSP-ISI-216 Rev.0	RI (D)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Examination performed on inside surface areas of Torus section fifteen (15) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.
<i>System:</i> PC		<i>Performed By:</i> Westinghouse					
E1.20	B16-VH	Vent HD-Assembly	R-074	VT-3	CSP-ISI-216 Rev.0	RI (J)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Two (2) indication recorded, reference PIR 4-07273. Indications are acceptable per IWE-3122.4 based on DED evaluation, reference DED2000036.
<i>System:</i> PC		<i>Performed By:</i> Westinghouse					

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
E1.20	B6-VH <i>System:</i> PC	Vent HD-Assembly	R-064	VT-3	CSP-ISI-216 Rev.0	RI (D)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Examination performed on inside surface areas of Torus section six (6) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.
E1.20	B7-VH <i>System:</i> PC	Vent HD-Assembly	R-065	VT-3	CSP-ISI-216 Rev.0	RI (J)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). One (1) indication recorded, reference PIR 4-07273. Indication is acceptable per IWE-3122.4 based on DED evaluation, reference DED2000036. Further additional examinations in accordance 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a).
E1.20	B8-VH <i>System:</i> PC	Vent HD-Assembly	R-066	VT-3	CSP-ISI-216 Rev.0	NRI (D)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Examination performed on inside surface areas of Torus section eight (8) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.
E1.20	B9-VH <i>System:</i> PC	Vent HD-Assembly	R-067	VT-3	CSP-ISI-216 Rev.0	NRI (D)	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Examination performed on inside surface areas of Torus section nine (9) Vent Header Assembly. Discoloration was noted on inside surface areas where downcomer support attachments were welded on the outside of vent header.

XM.ADD.E-G Category Components Examined Equal: 1

E8.10	X200B-BLT <i>System:</i> PC	Supp.Pool-Man.Flg.Blt	99-1260	VT-1	3.28.1.6 Rev.0	RI	Additional examination in accordance with 10 CFR 50.55a Codes and Standards, (D) Section 50.55a(b)(2)(ix)(D) as an alternative to ASME Section XI, 1992 Edition, 92 Addenda and the requirements of IWE-2430 (a). Due to indications found while performing ISI examination on X200A-BLT Supp.Pool-Man.Flg.Blt. Reference PIR S/N 4-08131, MWRNO: 00-0537 and MWRNO: 99-1260. A PSI examination of replacement bolts and or nuts was also performed. No further additional examinations required due to 100% of similar components being examined.
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XM.ADD.F-A Category Components Examined Equal: 9

F.120.A	RHH-18 <i>System:</i> RHR-B	Rigid Brace	R-221	VT-3	CSP-ISI-8 Rev.0	NRI	Additional examination, reference MWRNO: 99-1934, in accordance with Code Case N-491-2430 (a) due to support RHH-18A having unsatisfactory conditions reference PIR S/N: 4-07704.
F.130.A	SW-H-20 <i>System:</i> SW-B	Sway Strut	R-211	VT-3	CSP-ISI-8 Rev.0	NRI	Additional examination, reference MWRNO: 99-1940, in accordance with Code Case N-491-2430 (a) due to support SW-S-50 having unsatisfactory conditions, reference PIR S/N: 4-06818.

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
F.130.A	SW-S-98 <i>System:</i> SW-B	Sway Strut	R-214 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	Additional examination, reference MWRNO: 99-1940, in accordance with Code Case N-491-2430 (a) due to support SW-S-50 having unsatisfactory conditions, reference PIR S/N: 4-06818.
F1.20.A	RHH-19 <i>System:</i> RHR-B	Stanchion	R-222 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	Additional examination, reference MWRNO: 99-1934, in accordance with Code Case N-491-2430 (a) due to support RHH-18A having unsatisfactory conditions reference PIR S/N: 4-07704.
F1.20.A	RHH-64A <i>System:</i> RHR-B	Rigid Brace	R-223 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	Additional examination, reference MWRNO: 99-1934, in accordance with Code Case N-491-2430 (a) due to support RHH-18A having unsatisfactory conditions reference PIR S/N: 4-07704.
F1.30.A	SW-H-140 <i>System:</i> SW-B	Rod Hanger Trapeze	R-210 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	Additional examination, reference MWRNO: 99-1940, in accordance with Code Case N-491-2430 (a) due to support SW-S-50 having unsatisfactory conditions reference PIR S/N: 4-06818.
F1.30.A	SW-H-141 <i>System:</i> SW-B	Pipe Stanchion	R-209 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	Additional examination, reference MWRNO: 99-1940, in accordance with Code Case N-491-2430 (a) due to support SW-S-50 having unsatisfactory conditions, reference PIR S/N: 4-06818.
F1.30.A	SW-H-167 <i>System:</i> SW-B	Sway Strut	R-215 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	Additional examination, reference MWRNO: 99-1940, in accordance with Code Case N-491-2430 (a) due to support SW-S-50 having unsatisfactory conditions, reference PIR S/N: 4-06818.
F1.30.A	SW-H-23H <i>System:</i> SW-B	Restraint Structural Frame	R-212 <i>Performed By:</i> Westinghouse	VT-3	CSP-ISI-8 Rev.0	NRI	Additional examination, reference MWRNO: 99-1940, in accordance with Code Case N-491-2430 (a) due to support SW-S-50 having unsatisfactory conditions, reference PIR S/N: 4-06818.

XM.GL 88-01 Category Components Examined Equal: 15

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B5.10	CSA-BF-1~ <i>System: CS-A</i>	Safe End-Nozzle (N5A)	R-067	AUT-45°S AUT-45°S UT-45°RL AUT-60°RL	CSP-ISI-212 Rev.0 CSP-ISI-212 Rev.0 CSP-ISI-212 Rev.0 CSP-ISI-212 Rev.0	NRI NRI NRI NRI	Examined using automated UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B5.10	JPA-BF-1~ <i>System: JPI-A</i>	(N8A) Nozzle-Safe End	R-120	UT-45°S UT-45°S UT-45°RL UT-60°RL	CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0	NRI NRI NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B5.10	RCA-BF-1 <i>System: NB</i>	Nozzle - Cap	R-226	UT-45°S UT-45°S UT-45°RL UT-60°RL	CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0	NRI NRI NRI NRI	Performed augmented manual UT examination for IGSCC Category "D" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2. During the manual UT-45s and manual UT-45RL examination, of the stainless steel cap side only, one indication each was recorded and plotted on Indication Sheet Number-015. However this indication was determined to be ID Geometry.
B5.10	RRJ-BF-1~ <i>System: RR-A</i>	Safe End-Nozzle (N2J)	R-174	AUT-45°S AUT-45°S UT-45°RL AUT-60°RL	CSP-ISI-212 Rev.0 CSP-ISI-212 Rev.0 CSP-ISI-212 Rev.0 CSP-ISI-212 Rev.0	NRI NRI NRI NRI	Examined using automated UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B5.10	RRK-BF-1~ <i>System: RR-A</i>	Safe End-Nozzle (N2K)	R-175	AUT-45°S AUT-45S AUT-45RL UT-60°RL	CSP-ISI-212 Rev.0 CSP-ISI-212 Rev.0 CSP-ISI-212 Rev.0 CSP-ISI-212 Rev.0	NRI NRI NRI NRI	Examined using automated UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B5.130	CSA-BF-4A~ <i>System: CS-A</i>	Pipe-Pipe90	R-068	UT-45°S UT-45°S UT-45°RL AUT-60°RL	CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0	NRI NRI NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B5.130	CSA-BJ-2~ <i>System: CS-A</i>	Pipe90-Safe End	R-069	UT-45°S	CSP-ISI-207 Rev.0	NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B5.130	RBD-BF-7~ <i>System: RR-B</i>	Pipe-Pipe	R-177	UT-45°S UT-45°S UT-45°RL UT-60°RL	CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0 CSP-ISI-213 Rev.0	NRI NRI NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
B9.11	CWA-BJ-1~ <i>System:</i> RR-A	Weld-O-Let-Elbow	R-168 <i>Performed By:</i> Westinghouse	UT-45°S UT-70°S	CSP-ISI-207 Rev.0 CSP-ISI-207 Rev.0	NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.11	RAD-BJ-4~ <i>System:</i> RR-A	Pipe-Tee	R-169 <i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-207 Rev.0	NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.11	RRH-BJ-3~ <i>System:</i> RR-A	Reducer-Pipe	R-173 <i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-207 Rev.0	NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.11	RBD-BJ-6~ <i>System:</i> RR-B	Pipe-Tee	R-178 <i>Performed By:</i> Westinghouse	UT-45°S UT-60°RL	CSP-ISI-207 Rev.0 CSP-ISI-207 Rev.0	NRI NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.11	RRE-BJ-3~ <i>System:</i> RR-B	Pipe90-Pipe90	R-180 <i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-207 Rev.0	NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.11	RRE-BJ-4~ <i>System:</i> RR-B	Pipe90-Pipe90	R-181 <i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-207 Rev.0	NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.
B9.11	RRE-BJ-5~ <i>System:</i> RR-B	Reducer-Pipe	R-182 <i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-207 Rev.0	NRI	Examined using manual UT for ASME Section XI, 1989 Edition, No Addenda, code credit. Also performed augmented examination for IGSCC Category "A" per CNS ISI Program Section 11.4 per U.S. NRC Generic Letter 88-01 and NUREG-0313, Rev.2.

XM.REC Category Components Examined Equal: 66

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
N/A	2848-14-W1	Flange-Elbow	R-005	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-A			<i>Performed By:</i> Westinghouse				
N/A	2848-14-W2	Elbow-Reducer	R-004	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-A			<i>Performed By:</i> Westinghouse				
N/A	2848-2-W13	Pipe-Cap	R-065	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12. Examination was limited to 86.98% ASME code coverage due to proximity of welded hanger support plate.
<i>System:</i> REC-A			<i>Performed By:</i> Westinghouse				
N/A	2848-2-W14	Branch Connection	R-006	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12. Examination performed from the 12" pipe side only due to 8" pipe to branch connection configuration.
<i>System:</i> REC-A			<i>Performed By:</i> Westinghouse				
N/A	2848-2-W14A	Pipe-Pipe	R-003	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-A			<i>Performed By:</i> Westinghouse				
N/A	2848-2-W15	Branch Connection	R-007	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12. Examination performed from the 12" pipe side only due to 8" pipe to branch connection configuration.
<i>System:</i> REC-A			<i>Performed By:</i> Westinghouse				
N/A	2848-2-W16	Pipe-Elbow	R-002	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-A			<i>Performed By:</i> Westinghouse				
N/A	2848-2-WN	Elbow-Pipe	R-001	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-A			<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
N/A	2848-2-W103	Flange-Elbow	R-020	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12. An indication was recorded, plotted, and determined to be ID Geometry.
	<i>System:</i> REC-B		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-2-W104	Elbow-Flange	R-019	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-B		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-2-W111	Flange-Reducer	R-021	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12. Examination was limited to 90.5% ASME code coverage due to 2" drain line.
	<i>System:</i> REC-B		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-2-W48	Elbow-Pipe	R-016	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-ENC		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-2-W49	Tee-Flange	R-048	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-ENC		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-2-W50	Tee-Flange	R-049	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-ENC		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-2-W51	Pipe-Tee	R-047	UT-0°L	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12. One Linear indication located U/S Side 33.4" - 35.5", Reference PIR S/N: 4-06698. Repaired to be performed during RE20.
	<i>System:</i> REC-ENC		<i>Performed By:</i> Westinghouse	UT-45°S	CSP-ISI-208 Rev.0	RI	
				UT-70°S	CSP-ISI-208 Rev.0	RI	
N/A	2848-2-W51A	Branch Connection	R-054	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12. Examination performed from the 12" pipe side only due to 8" pipe to 12" branch connection configuration.
	<i>System:</i> REC-ENC		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
N/A	2848-2-W53	Pipe-Elbow	R-045	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12. An indication was recorded, plotted, and determined to be ID Geometry.
<i>System:</i> REC-ENC			<i>Performed By:</i> Westinghouse				
N/A	2848-2-W54	Pipe-Pipe	R-046	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-ENC			<i>Performed By:</i> Westinghouse				
N/A	2848-2-W55	Elbow-Pipe	R-051	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-ENC			<i>Performed By:</i> Westinghouse				
N/A	2848-2-W58	Elbow-Elbow	R-050	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-ENC			<i>Performed By:</i> Westinghouse				
N/A	2848-2-W59	Pipe-Elbow	R-052	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-ENC			<i>Performed By:</i> Westinghouse				
N/A	2848-2-W61	Pipe-Elbow	R-053	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-ENC			<i>Performed By:</i> Westinghouse				
N/A	2848-2-WU	Pipe-Pipe	R-018	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-ENC			<i>Performed By:</i> Westinghouse				
N/A	2848-2-WV	Pipe-Elbow	R-017	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-ENC			<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
N/A	2848-8-W11	Elbow-Pipe	R-008	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-ENC		<i>Performed By:</i> Westinghouse				
N/A	2848-8-W12	Pipe-Pipe	R-010	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-ENC		<i>Performed By:</i> Westinghouse				
N/A	2848-8-WM	Pipe-Pipe	R-009	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-ENC		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W34	Pipe-Pipe	R-036	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W5	Pipe-Elbow	R-034	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W6	Elbow-Pipe	R-032	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W68	Pipe-Elbow	R-066	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W7	Pipe-Elbow	R-035	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
N/A	2848-16-W72	Pipe-Elbow	R-039	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W73	Elbow-Pipe	R-037	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W75	Elbow-Pipe	R-038	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W76	Pipe-Elbow	R-040	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W77	Pipe-Pipe	R-041	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W77A	Pipe-Pipe	R-043	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W78	Tee-Reducer	R-044	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				
N/A	2848-16-W8	Elbow-Pipe	R-033	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
N/A	2848-16-W84	Pipe-Pipe	R-042	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse					
N/A	2848-57-W21	Flange-Pipe	R-014	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse					
N/A	2848-57-W22	Elbow-Flange	R-011	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse					
N/A	2848-57-W24	Pipe-Elbow	R-015	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse					
N/A	2848-57-W25	Elbow-Pipe	R-012	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse					
N/A	2848-57-W27	Flange-Elbow	R-013	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-NCL		<i>Performed By:</i> Westinghouse					
N/A	2848-14-W32	RT-Pipe	R-025	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL		<i>Performed By:</i> Westinghouse					
N/A	2848-15-W10	Elbow-Pipe	R-057	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL		<i>Performed By:</i> Westinghouse					

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
N/A	2848-15-W29	Pipe-Elbow	R-062	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL			<i>Performed By:</i> Westinghouse				
N/A	2848-15-W30	Elbow-Pipe	R-058	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL			<i>Performed By:</i> Westinghouse				
N/A	2848-15-W31	Pipe-Elbow	R-063	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL			<i>Performed By:</i> Westinghouse				
N/A	2848-15-W33	Pipe-Elbow	R-064	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL			<i>Performed By:</i> Westinghouse				
N/A	2848-15-W6	Pipe-Elbow	R-059	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12. Examination was limited to 95.75% ASME code coverage due to u/s pipe side proximity of wall penetration.
<i>System:</i> REC-SCL			<i>Performed By:</i> Westinghouse				
N/A	2848-15-W7	Elbow-Pipe	R-055	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL			<i>Performed By:</i> Westinghouse				
N/A	2848-15-W8	Pipe-Elbow	R-060	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL			<i>Performed By:</i> Westinghouse				
N/A	2848-15-W9	Pipe-Elbow	R-061	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL			<i>Performed By:</i> Westinghouse				

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
N/A	2848-15-WB	Elbow-Pipe	R-056	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-SCL		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-9-W32	Pipe-Elbow	R-023	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-SCL		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-9-W33	Pipe-Pipe	R-030	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-SCL		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-9-W35	Pipe-Elbow	R-028	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-SCL		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-9-W70	Elbow-Pipe	R-022	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-SCL		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-9-W71	Pipe-Pipe	R-031	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-SCL		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-9-W72	Pipe-Elbow	R-029	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-SCL		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	
N/A	2848-9-W73	Elbow-Pipe	R-027	UT-45°S	CSP-ISI-208 Rev.0	NRI	Augmented examination per CNS ISI Program Section 11.12.
	<i>System:</i> REC-SCL		<i>Performed By:</i> Westinghouse	UT-70°S	CSP-ISI-208 Rev.0	NRI	

<i>Item No.</i>	<i>Component ID</i>	<i>Configuration</i>	<i>Report N</i>	<i>Exam</i>	<i>Procedure</i>	<i>Results</i>	<i>Comments</i>
N/A	2848-9-WH	Pipe-Pipe	R-024	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL			<i>Performed By:</i> Westinghouse				
N/A	2848-9-WZ	Elbow-Pipe	R-026	UT-45°S UT-70°S	CSP-ISI-208 Rev.0 CSP-ISI-208 Rev.0	NRI NRI	Augmented examination per CNS ISI Program Section 11.12.
<i>System:</i> REC-SCL			<i>Performed By:</i> Westinghouse				

ATTACHMENT 1.1
Abstract of Invesel Visual Inspections
Performed by Westinghouse for RFO19

Component/Configuration	Code Cat	Code Item	Exam	Procedure	Rev	Completion Date	Comments
RPV Interior Wall from 180° to 360° above the Core Shroud	B-N-1	B13.10	VT-3	IV-BWR-01	Rev. 1	4/01/2000	NRI
RPV Head Interior Surface	B-N-1	B13.10	VT-3	IV-BWR-01	Rev. 1	4/01/2000	NRI
Shroud Support Plate and Gusset Plate Attachment welds between 0° to 180° in the location of: Jet Pumps 1- Jet Pump10	Augmented	N/A	EVT-1	BWRP-2.2	Rev. 1	4/01/2000	BWRVIP-38 (no cleaning, no exam eval., best effort) (No exam between JP-5 & JP-4) NRI
Accessible areas of the Core Plate at locations: 42-11, 10-11, 30-31, 30-23, 22-15, 42-43, 10-43, 42-19, 42-35, and 10-35	B-N-2	B13.40	VT-3	BWRP-2.2	Rev. 1	4/01/2000	NRI
Core Plate Hold Down Bolts, 48 bolts, at locations: 37-52, 47-48, 49-12, 42-04, 11-04, 03-14, 03-40, and 09-50	B-N-2	B13.40	VT-3	BWRP-2.2	Rev. 1	4/01/2000	BWRVIP-25 (inaccessible for EVT-1) NRI
Top Guide Hold Down Bolts	Augmented	N/A	VT-1	BWRP-2.2	Rev. 1	4/01/2000	BWRVIP-26 NRI
Guide Rod and Guide Rod Brackets	B-N-2 & Augmented	B13.10 B13.30	VT-3	IV-BWR-01	Rev. 1	4/01/2000	BWRVIP-48 NRI
Feedwater Spargers located at: 45, 135, 225, and 315 degrees	B-N-1 & Augmented	B13.10	VT-3	BWRP-2.2	Rev. 1	4/01/2000	NRI
Feedwater Sparger Brackets	B-N-2 & Augmented	B13.30	VT-3	BWRP-2.2	Rev. 1	4/01/2000	BWRVIP-48 NRI
Shroud Support Plate Access Hole Cover to Shroud Support Plate Welds (two) located at: 0° and 180°.	SIL 462 R1S3	NA	VT-1	BWRP-2.2	Rev. 1	4/01/2000	NRI
Fuel Support Castings Removed at CRD locations: 42-11, 10-11, 30-31, 30-23, 22-15, 42-43, 10-43, 42-19, 10-19, 42-35, and 10-35	B-N-2 & Augmented	B13.40	VT-3 & EVT-1	BWRP-2.2	Rev. 1	4/01/2000	BWRVIP-47 NRI
CRD Guide Tubes and Housings at CRD locations: 42-11, 10-11, 30-31, 30-23, 22-15, 42-43, 10-43, 42-19, 42-35, and 10-35	B-N-2	B13.40	VT-3	IV-BWR-01	Rev. 1	4/01/2000	NRI
CRD Guide Tube Welds at locations: 42-11, 10-11, 30-31, and 42-19	Augmented	N/A	EVT-1	IV-BWR-01	Rev. 1		BWRVIP-47 NRI
CRD Guide Tube Alignment Pin to Core Plate and Alignment Lug Welds at locations: 42-11, 10-11, 30-31, 30-23, 22-15, 42-43, 10-42, and 42-19	Augmented	N/A	VT-3	IV-BWR-01	Rev.1	4/01/2000	BWRVIP-47 NRI

ATTACHMENT 1.1
Abstract of Invesel Visual Inspections
Performed by Westinghouse for RFO19

Component/Configuration	Code Cat	Code Item	Exam	Procedure	Rev	Completion Date	Comments
Core Spray Spargers and Brackets	B-N-1 & Augmented	B13.10 B13.30	EVT-1	IV-BWR-01	Rev. 1	4/01/2000	BWRVIP-18, GE SIL 289 R1,S1 5 indications dispositioned as acceptable
Core Spray Piping	B-N-1 & Augmented	B13.10	EVT-1	IV-BWR-01	Rev. 1	4/01/2000	BWRVIP-18 See Section 1.3
Core Spray Piping	Augmented	NA	UT	CSP-ISI-100	Rev. 4	4/01/2000	BWRVIP-18 See Section 1.3

**ATTACHMENT 1.2
RE19 Pressure Tests
Attributed to Period 2**

System	Configuration	Code Cat	Code Item	Size	Report	Exam	Procedure	Rev	Completion Date	Isometric Drawing	Comments
NB	ASME Class 1 System Leakage Test	B-P	B15.10 B15.50 B15.60 B15.70	N/A	N/A	VT-2	6.MISC.502	4	04/10/2000	N/A	Leaks identified at mechanical joints and packing resolved by procedure 6.MISC.502
CRD	Includes Class 2 portions of CRD System	C-H	C7.10 C7.30 C7.70								

ATTACHMENT 1.3
RPV Internal CS Piping
Flaw Evaluations RFO19

1. Letter, from J. Swailes (NPPD) to USNRC, dated November 6, 1998, Subject: Inspection of Reactor Vessel Core Spray Spargers and Piping.
2. Letter, from J. R. Hall, USNRC, to G. R. Horn (NPPD) dated November 23, 1998, Subject: Evaluation of Core Spray Piping Indications During Refueling Outage 18 (TAC No. MA3965).
3. Letter, from J. R. Hall, USNRC, to G. R. Horn (NPPD) dated March 3, 2000, Subject: Evaluation of the Revised Fracture Mechanics Methodology as Applied to Core Spray Piping Weld Flaws and Inspection of Reactor Vessel Internal Core Spray Piping (TAC No. MA4201).
4. Letter, from J. R. Hall, USNRC, to C. D. Terry (BWRVIP Chairman) dated December 2, 1999, Subject: Final Safety Evaluation of BWR Core Spray Internals Inspection and Flaw Evaluation Guidelines (BWRVIP-18) (TAC No. M96219).

Visual examination (VT-1) of the Core Spray spargers and associated piping is performed at refueling outages in accordance with BWRVIP-18. Two indications were identified during the Fall 1995 refueling outage. These indications were reinspected during the Spring 1997 refueling outage. Growth of the indications was less than predicted by the fracture mechanics evaluation. The examinations were re-performed during the 1998 refueling outage. The 1998 examinations identified slight growth in the length of the indications. The results were submitted to the Commission in Reference 1, and another cycle of operation was authorized (Reference 2). A revised fracture mechanics evaluation report was submitted to the NRC and was accepted and granted another two cycles of operation (Reference 3). The Commission required future examinations to be performed in accordance with the staff's safety evaluation for BWRVIP-18 (Reference 4).

The indications were examined again during the Spring 2000 outage. A slight increase in the length of the indications was identified. The increase may be due to the uncertainty of the examination technique, however growth rate was well within the value assumed in the fracture mechanics evaluation. As required by our commitments, the unrepaired cracked welds will be inspected each refueling outage.

In Reference 1, CNS committed to follow industry developments for examining the P9 welds. An attempt to examine these welds during RE19 was performed, but was unsuccessful. CNS continues to follow industry development of examination and evaluation techniques for this weld through the BWRVIP.

ATTACHMENT 1.4
Primary Containment
Flaw Evaluations for RFO19

10CFR50.55a(b)(2)(ix)(D) allows the following alternative the IWE-2430:

- (1) If the examinations reveal flaws or areas of degradation exceeding the acceptance standards of Table IWE-3410-1, an evaluation shall be performed to determine whether additional component examinations are required. For each flaw or area of degradation identified which exceeds acceptance standards, the licensee shall provide the following in the ISI Summary Report required by IWA-6000:
- (i) A description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation;
 - (ii) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components, and;
 - (iii) A description of necessary corrective actions.
- (2) The number and type of additional examinations to ensure detection of similar degradation in similar components.

Item	Flaw Description	Additional Examinations	Acceptance or Corrective Actions	Number of Additional Examinations
Drywell Upper Bulb and Drywell Lower Bulb	Arc strikes were identified in 5 locations on the Drywell wall. The arc strikes were probably made during the piping replacement outage in 1985.	The balance of the Drywell interior wall that could have been affected by the piping replacement was examined (VT-3) for arc strikes.	Arc strikes removed, liner re-coated and VT-3 re-performed	1 additional region: Portions of the Upper Cylinder between 942' and 955' elevation
Drywell Interior Moisture Barrier	Mild corrosion was identified in 7 areas adjacent to the moisture barrier. Portions of moisture barrier were removed to evaluate the extent of condition. The corrosion is probably due to maintenance and decontamination activities during outages since the Drywell is inerted during normal operation.	None. 100% of the moisture barrier and Drywell Lower Bulb was examined (VT-3).	The mild corrosion was acceptable. However, it was removed and the liner was re-coated and moisture barrier reinstalled.	None
Vent Header	Weld defects were identified in 3 areas on the id of the vent header where the external support pads for the downcomer gussets were attached. The support pads were added to the exterior of the vent header during the Mark I Program and the attachment welds were surface examined after installation. A visual inspection from the interior of the vent header was not required by the construction code.	The balance of the Vent Header was examined (VT-3) from the internal diameter.	Accepted by engineering evaluation	3 additional quadrants: remaining 11 bays
Torus Hatch Bolting	Pitting was identified on three bolts on hatch X200A.	The bolting on the remaining Torus hatches was examined.	Pitted bolts on both hatches were replaced.	1 additional Torus hatch: hatch X200B bolting

ATTACHMENT 1.5
Post RE18 Pressure Tests
Attributed to Period 1

System	Configuration	Code Cat	Code Item	Size	Report	Exam	Procedure	Rev	Completion Date	Isometric Drawing	Comments
CS-B	ASME Class 2 Core spray System, B	C-H	C7.10, C7.30, C7.50, C7.70	Various	REF. PROCD.	VT-2	6.2CS.501	2	02 / 1999		Sections: 8.1, 8.2, & 8.3
HPCI	ASME Class 2 HPCI and Class 3 Emergency Condensate Storage System	C-H & D-A	C7.10, C7.30, C7.50, C7.70, D1.10	Various	REF. PROCD.	VT-2	6.HPCI.501		04 / 1999		Sections: 8.1, 8.2, 8.3, 8.4, & 8.5
RHR-A	ASME Class 2 Residual Heat Removal System, Loop-A	C-H	C2.22, C2.33, C7.10, C7.30, C7.50, C7.70	Various	REF. PROCD.	VT-2	6.1RHR.501	3	04 / 1999		Sections: 8.1, 8.2, 8.3, & 8.4 VT-2 examination includes component RHR-CB-2A, for ASME Section XI Code Credit, for Category: C-B Item: C.2.33, nozzle to shell welds when inside of vessel is inaccessible.
RHR-B	ASME Class 2 Residual Heat Removal System, Loop-B	C-H	C7.10, C7.30, C7.50, C7.70	Various	REF. PROCD.	VT-2	6.2RHR-501	3	04 / 1999		Sections: 8.1, 8.2, 8.3, & 8.4
NBI	ASME Class 3 Nuclear Boiler Instrumentation System	D-A	D1.10	Various	REF. PROCD.	VT-2	6.NBI.501	3	01 / 1999		
SW-A	ASME Class 3 Service Water System, Loop-A	D-A	D1.10	Various	REF. PROCD.	VT-2	6.1SW.501		01 / 1999		Sections: 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, & 8.7
SW-B	ASME Class 3 Service Water System, Loop-B	D-A	D1.10	Various	REF. PROCD.	VT-2	6.2SW.501	4	01 / 1999		Sections: 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, & 8.7

ATTACHMENT 2.0
Westinghouse Examination Personnel
for RFO19

Name	Certifications and Level
Ackerman, Harry K.	Level II - MT, PT, VT-1, 3
Alejanro, Jose	Level II - MT, PT, UT
Blecha, Paul	Level II - MT, PT, UT, VT-1
Bowne, Lowell	Level III - PT, UT(PDI)
Branstetter, Tim	Level II - VT-1, 3
Brown, Roderick	Level II - VT-1, 3
Carter, Micheal E.	Level IIR - VT-1, 3
Clay, Andrew	Level III - UT, VT, VT-1, 2, 3
Cribbe, Walter	Level II - MT, PT, UT (PDI), VT-1, 3
Danson, Chris	Level It - MT, PT, UT
DelBusso, James	Level III - VT-1, 2, 3
Hobble, Kyle D.	Level II - UT
HuWalt, Ferdinand S.	Level I - UT
Jackson, Tommy	Level II - MT, PT, UT, VT-1, 3
Jones, Barry C.	Level II - VT-1, 3
Moreau, Darrell A.	Level III - UT
Nelson, Glenn Dal	Level II - UT
Ramirez, David	Level It- MT, PT, UT
Strickland, Dennis	Level II - MT, PT, UT
Valden, Paul	Level II - MT, PT, UT, VT-1, 2, 3
Wilkins, Delton C.	Level II - VT-1, 3
Williams, Mark	Level II - MT, PT, Level 1t - UT
Williams, Steve	Level II - MT, PT, UT(PDI), VT-1, 2, 3
Zhang, Yingda *	Level III - UT

* Individual performed BWRVIP-18 augmented examinations, and did not perform ASME XI examinations.

**Attachment 2.1
NPPD Examination Personnel
for RFO19**

Name	Certifications and Level
Ackerman, Terry L.	Level II - VT-1, 2, 3
Alexander, Glenn R.	Level II - VT-1, 2, 3
Allen, Van E.	Level II - VT-1, 2, 3
Anderson, Steven W.	Level II - VT-1, 2, 3
Asbridge, Ronald J.	Level II - VT- 2
Bantz, Clinton S.	Level II - VT-1, 2, 3
Bare, Bradlry D.	Level II - VT - 2
Bedgood, Robert A.	Level II - VT- 2
Behr, Charles A.	Level II - VT- 2
Behrends, Kirby L.	Level II - VT-1, 2, 3
Billesbach, Douglas S.	Level II - VT-1, 2
Billings, Michael W.	Level II - VT- 2
Bird, David M.	Level II - VT- 2
Boden, Marlin D.	Level II - VT- 2, 3
Brandt, Donnie E.	Level II - VT- 2
Bratsovsky, Jeffery M	Level II - VT-1, 2, 3
Bromen, David J.	Level II - VT- 2
Cable, Brain E.	Level II - VT-2
Carpenter, Allen R.	Level II - VT- 1
Carpenter, Marvin W.	Level II - VT- 2
Collins, John W.	Level II - VT- 2
Conner, Robert L.	Level II - VT- 2
Cross, Gerogy S.	Level II - VT - 2
Cunningham, Dale A.	Level II - VT- 2
Dedic, James R.	Level II - VT-2
Dierberger, Scott W.	Level II - VT- 2
Domino, Jeffrey F.	Level II - VT- 2
Edgington, Clyde A.	Level II VT- 2
Flock, Paul J.	Level II - VT- 1, 2, 3

**Attachment 2.1
NPPD Examination Personnel
for RFO19**

Name	Certifications and Level
Gonnella, Mark E.	Level II - VT- 2
Goodman, Daniel J.	Level II - VT - 2
Gottula, Donna Marie	Level II - VT - 1
Green, JR., Williams B.	Level II - VT - 2
Grossman, Tony L.	Level II - VT- 1, 2, 3
Hall, James C.	Level II - VT- 1, 2, 3
Haneline, Lyle L.	Level II - VT- 2
Harpham, Joseph C.	Level II - VT- 2, 3
Hasselbring, Brian J.	Level II - VT- 2
Hawkins, Hylan, A.	Level II - VT- 2
Herold, Michael K.	Level II - VT- 1, 2, 3
Hoops, Travies D.	Level II VT - 2
Hoskins, Randy A.	Level - VT- 2
Jeanneret, Dennis D.	Level II -VT- 2
Johns, Robert J.	Level II VT - 2
King, Keith R.	Level II - VT-2
Kleckinger, Allen D.	Level II - VT- 1, 2
Knopik, Mark B.	Level II - VT- 1, 2, 3
Krueger, Victor L.	Level II - VT - 2, 3
Kubes, Ricky L.	Level II - VT- 2
Lavigne, Paul G.	Level II - VT- 2
Maine, Richard L.	Level II - VT- 2
Mason, Eric D.	Level II - VT -1, 2, 3
Mason, Rory L.	Level II - VT- 2
McCargill, Donald L.	Level II - VT- 2
McKay, Richard L.	Level II - VT-1, 2, 3
McNerny, Joel D.	Level II - VT - 2
Moody, Mark A.	Level II - VT- 2, 3
Morrissey, Thomas M.	Level II - VT-2

**Attachment 2.1
NPPD Examination Personnel
for RFO19**

Name	Certifications and Level
Mueller, Timothy R.	Level II - VT- 2
Nichols, Jesse A.	Level II - VT- 1, 2, 3
Pebbley, Rodney J.	Level II - VT- 1, 2
Perry, Gary L.	Level II - VT-1, 2, 3
Peters, Marvin E.	Level II - VT- 1, 2, 3
Peterson, Kristopher S.	Level II - VT- 2
Pfister, Kerry D.	Level II - VT-1
Pope, James W.	Level II - VT-2
Powell, Daniel, K.	Level II - VT-2
Pugh, Timothy J.	Level II - VT- 1, 2, 3
Rasmussen, James A.	Level II - VT- 2
Reimers, Arlie L.	Level II - VT- 1, 2, 3
Riley, Richard K.	Level II - VT- 2
Ritton, John R.	Level II - VT- 2
Sabins, Daune K.	Level II -VT-2
Sailors, Robert E.	Level II - VT- 1, 2, 3
Saul, Noel S.	Level II - VT- 2
Schizas, Fred A.	Level II - VT- 2
Schwindt, Warren F.	Level II - VT- 2
Shandy, Wayne E.	Level II - VT- 1
Sherman, Robert L.	Level II - VT- 1, 2
Siske, William J.	Level II - VT- 2, 3
Slama, Robert A.	Level II - VT- 2
Smith, Joel L.	Level III - VT- 2, 3
Snyder, Russell G.	Level II - VT-2
Staska, Michael J.	Level II - VT-2
Sullwold, Kim D.	Level II - VT- 1, 2, 3
Tanner, Kurt	Level II - VT-2, 3
Tanner, Rick L.	Level II - VT- 1, 2, 3

Attachment 2.1
NPPD Examination Personnel
for RFO19

Name	Certifications and Level
Tetrick, Paul M.	Level II - VT- 2
Thomas, Kenneth B.	Level II - VT-1, 2, 3
Towne, Wade A.	Level II - VT- 2
Unruh, Michael J.	Level II - VT- 2
Whitehead, James M.	Level II - VT-1
Willaims, Richard K.	Level II - VT- 1, 2, 3
Yelick, Burce C.	Level II - VT- 2
Zabel, Charles F.	Level II - VT- 1, 2, 3

ATTACHMENT 3.0
Procedure List For Examinations
Performed by Westinghouse for RFO19

Procedure	Title
CSP-ISI-8	VT-1 and VT-3 Visual Examination Procedure
CSP-ISI-10	Qualification of Ultrasonic Equipment
CSP-ISI-11	Liquid Penetrant Examination
CSP-ISI-21	Ultrasonic Thickness Measurement for Pipe/Component Thinning
CSP-ISI-70	Magnetic Particle Examination
CSP-ISI-100 *	Procedure for Ultrasonic Examination of BWR Core Spray Assembly Welds Using the WesDyne LT40 or UDRPS System
CSP-OPS-101	Documentation Procedure for Datum "0"
CSP-ISI-207	Ultrasonic Examination of Austenitic Pipe Welds
CSP-ISI-208	Manual Ultrasonic Examination of Welds in Ferritic Steel Piping Susceptible to Nitrate Induced Cracking
CSP-ISI-209	Manual Ultrasonic Examination Procedure for Ferritic Piping Welds and Vessels (≤ 2 " in Thickness)
CSP-ISI-210	Manual Ultrasonic Examination of Reactor Vessel Welds
CSP-ISI-211	Manual Ultrasonic Examination of Nozzle Inner Radii
CSP-ISI-212	Automated Ultrasonic Examination Procedure for Dissimilar Metal Welds in Piping Systems
CSP-ISI-213	Manual Ultrasonic Examination Procedure for Dissimilar Metal Welds in Piping Systems
CSP-ISI-214	Automated Ultrasonic Examination Procedure for Ferritic Piping Systems
CSP-ISI-215	Procedure for Ultrasonic Demonstration Showing Acoustically Similar Material Characteristics
CSP-ISI-216	Visual Inspection of Containment Bolting VT-1, and Visual Inspection of Containment Surfaces, VT-1/3
CSP-ISI-299	Manual Ultrasonic Through Wall Sizing in Pipe Welds
IV-BWR-001	Reactor Pressure Vessel Internals Visual Inspection
PDI-UT-2	PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds
PDI-UT-3	PDI Generic Procedure for the Ultrasonic Through Wall Sizing in Pipe Welds

* Procedure used for performance of BWRVIP-18 augmented examinations, and not used for performance of ASME XI examinations.

ATTACHMENT 3.1
Procedure List For Examinations
Performed by NPPD for RFO19

Procedure	Title
3.28.1.1	Visual Inspection of Pressure Retaining Bolting and Integral Attachments, VT-1
3.28.1.3	Visual Inspection of Pump Casings And Valve Bodies, VT-3
3.28.1.5	Visual Inspection of Containment Surfaces, VT-1/3
3.28.1.6	Visual Inspection of Containment Surfaces Bolting, VT-1
6.MISC.502	ASME Class 1 System Leakage Test
7.0.8.1	Inservice Leak Testing
7.0.8	Pressure Testing
7.2.57	ASME Category F-A Component Supports Inspection and Adjustment

ATTACHMENT 4.0
Westinghouse Equipment for RFO19

Description	Manufactur	Model	Serial Number
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MT Equipment Approved for Use

MT AC Yoke	Parker Research	B100	452
MT Pie Gauge	Parker Research	MG-50	
MT Test Block	Westinghouse	N/A	W10364

PT Equipment Approved for Use

PT Comparator	Sherwin Inc	Cracked Alum.	
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Thermometers Approved for Use

Surface Thermometer	Pacific Transducer Co	312F	205495
Surface Thermometer	Pacific Transducer Co	312F	205375
Surface Thermometer	Pacific Transducer Co	312F	205163
Surface Thermometer	Pacific Transducer Co	312F	203776
Surface Thermometer	Pacific Transducer Co	312F	205164
Surface Thermometer	Pacific Transducer Co	312F	205372
Surface Thermometer	Pacific Transducer Co	312F	204144
Surface Thermometer	Pacific Transducer Co	312F	205535
Surface Thermometer	Pacific Transducer Co	312F	203978
Surface Thermometer	Pacific Transducer Co	312F	205490
Surface Thermometer	Pacific Transducer Co	312F	205486
Surface Thermometer	Pacific Transducer Co	312F	205465
Surface Thermometer	Pacific Transducer Co	312F	205560
Surface Thermometer	Pacific Transducer Co	312F	203834
Surface Thermometer	Pacific Transducer Co	312F	203944

Description	Manufactur	Model	Serial Number
Surface Thermometer	Pacific Transducer Co	312F	203870
Surface Thermometer	Pacific Transducer Co	312F	203835
Surface Thermometer	Pacific Transducer Co	312F	203824

UT Equipment Approved for Use

UT Auto	WesDyne Interniaional	DynaPluser 1.03	1547
UT Auto	WesDyne International	DynaPluser 1.03	1779
UT Auto	WesDyne International	DynaPluser 1.03	1407
UT Auto	Tektronix Inc	2445	B020736
UT Cal Block (CS, IVP)	WesDyne International		WDI-98-003
UT Cal Block (CS, IVP)	WesDyne International		WDI-98-002
UT Cal Block (CS, IVP)	WesDyne International		WDI-98-001
UT Reference Block	Stroud Sales Co	Angle Beam	94-7705
UT Reference Block	Stroud Sales Co	Angle Beam	91-6695
UT Reference Block	Stroud Sales Co	Angle Beam	94-5885
UT Reference Block	Unknown	IIW-Type II	790339
UT Reference Block	Stroud Sales Co	Angle Beam	94-5884
UT Scope Manual	Staveley	Sonic 136	136P-1076M
UT Scope Manual	Staveley	Sonic 136	136-904K
UT Scope Manual	Staveley	Sonic 136	136P-1103B021308
UT Scope Manual	Staveley	Sonic 136	136P-1103B021307
UT Step-Wedge	Ray-Check Manufacturing	4-Step	86-4254
UT Step-Wedge	Ray-Check Manufacturing	5-Step	95-7253
UT Step-Wedge	Ray-Check Manufacturing	5-Step	SSI-004

Description	Manufactur	Model	Serial Number
UT Step-Wedge	Ray-Check Manufacturing	4-Step	99-5552
UT Step-Wedge	Ray-Check Manufacturing	4-Step	99-5553
UT Step-Wedge	Ray-Check Manufacturing	4-Step	99-5554

VT Equipment Approved for Use

VT Light Meter	Spectroline	DSE-100X	163211
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ATTACHMENT 4.1
Westinghouse Transducers for RFO19

Description	Manufactur	Model Number	Serial Number	Series Style	Size Frequency
<u>Transducers Approved for Use</u>					
Transducer	KB-Aerotech	389-038-680	00J333	SPCON	0.50" 2.25
Transducer	KB-Aerotech	389-038-680	00J334	SPCON	0.50" 2.25
Transducer	KB-Aerotech	389-038-630	00J352	SPDU	16x14 mm 4.0 MHz
Transducer	KB-Aerotech	389-038-630	00J353	SPDU	16x14 mm 4.0 MHz
Transducer	KB-Aerotech	389-038-630	00J354	SPDU	16x14 mm 4.0 MHz
Transducer	KB-Aerotech	389-038-640	00J355	SPDU	16x14 mm 4.0 MHz
Transducer	KB-Aerotech	389-038-640	00J356	SPDU	16x14 mm 4.0 MHz
Transducer	KB-Aerotech	389-038-670	00J357	PABP	0.50" 2.25
Transducer	KB-Aerotech	389-038-670	00J358	PABP	0.50" 2.25
Transducer	KB-Aerotech	389-038-670	00J359	PABP	0.50" 2.25
Transducer	KB-Aerotech		A19228	Alpha CS	1.0" 2.25
Transducer	KB-Aerotech	113-234-591	0082YN	Benchmark MSWQC	0.375" 5.0 MHz
Transducer	KB-Aerotech	113-222-591	009R21	Benchmark MSWQC	0.250" 2.25
Transducer	KB-Aerotech	113-222-591	009R24	Benchmark MSWQC	0.250" 2.25
Transducer	KB-Aerotech	113-224-591	00HMC1	Benchmark MSWQC	0.25" 5.0 MHz
Transducer	KB-Aerotech	113-224-591	00HNKF	Benchmark MSWQC	0.25" 5.0 MHz
Transducer	KB-Aerotech	113-242-591	00HRRV	Benchmark MSWQC	0.50" 2.25
Transducer	KB-Aerotech	113-242-591	00HRT2	Benchmark MSWQC	0.50" 2.25
Transducer	KB-Aerotech	113-234-591	00HRTR	Benchmark MSWQC	0.38" 5.0 MHz
Transducer	KB-Aerotech	113-234-591	00HRTT	Benchmark MSWQC	0.38" 5.0 MHz
Transducer	KB-Aerotech	113-232-591	00HWTH	Benchmark MSWQC	0.38" 2.25

Description	Manufactur	Model Number	Serial Number	Series Style	Size Frequency
Transducer	KB-Aerotech	113-232-591	00HWTJ	Benchmark MSWQC	0.38" 2.25
Transducer	KB-Aerotech	113-224-680	005197	GAMMA FDU	0.250" 5.0 MHz
Transducer	KB-Aerotech	113-222-580	007RL1	GAMMA MSWS	0.250" 2.25
Transducer	KB-Aerotech		015237	GAMMA	1.0" 2.25
Transducer	KB-Aerotech		15120	GAMMA MSWQC	0.375" 1.5 MHz
Transducer	KB-Aerotech		15130	GAMMA MSWQC	0.375" 1.5 MHz
Transducer	KB-Aerotech		15145	GAMMA MSWQC	0.375" 1.5 MHz
Transducer	KB-Aerotech		15151	GAMMA MSWQC	0.375" 1.5 MHz
Transducer	KB-Aerotech		15168	GAMMA MSWQC	0.375" 1.5 MHz
Transducer	KB-Aerotech	113-222-590	23796	GAMMA MSWQC	0.250" 2.25
Transducer	KB-Aerotech	113-232-590	33916	GAMMA MSWQC	0.375" 2.25
Transducer	KB-Aerotech	113-232-590	33936	GAMMA MSWQC	0.375" 2.25
Transducer	KB-Aerotech		A25256	GAMMA MSWS	0.500" 2.25
Transducer	KB-Aerotech		B20592	GAMMA MSWS	0.375" 2.25
Transducer	KB-Aerotech		B20596	GAMMA MSWS	0.375" 2.25
Transducer	KB-Aerotech		B23847	GAMMA SWS	0.50x1.0" 2.25
Transducer	KB-Aerotech		B26111	GAMMA MSWS	0.500" 2.25
Transducer	KB-Aerotech		C06974	GAMMA SWS	0.50x1.0" 2.25
Transducer	KB-Aerotech		C08314	GAMMA SWS	0.5x1.0" 2.25
Transducer	KB-Aerotech	113-222-580	D15411	GAMMA MSWS	0.250" 2.25
Transducer	KB-Aerotech		E21032	GAMMA MSWS	0.250" 2.25
Transducer	KB-Aerotech	113-224-580	F22419	GAMMA MSWS	0.250" 5.0 MHz
Transducer	KB-Aerotech	113-292-600	H30046	GAMMA SWS	0.50x1.0" 2.25

Description	Manufactur	Model Number	Serial Number	Series Style	Size Frequency
Transducer	KB-Aerotech	113-292-600	H30049	GAMMA SWS	0.50x1.0" 2.25
Transducer	KB-Aerotech		J15385	GAMMA HP-CR	0.75" 1.0 MHz
Transducer	KB-Aerotech	083-057-461	57461287.1	MSEB MSEB	2(11x2)mm 2.0 MHz
Transducer	KB-Aerotech	083-057-462	57462140.47	MSEB MSEB	2(3.5x10)mm 4.0 MHz
Transducer	MegaSonic	ANN2-2-4	00828T		0.5x1.0" 2.25
Transducer	MegaSonic	ANN2-2-4	00833T		0.5x1.0" 2.25
Transducer	Panametrics	A102S	26228		1.0" 1.0 MHz
Transducer	Panametrics	A401S	39771		0.50x1.0" 1.0 MHz
Transducer	Panametrics	A401S	39793		0.50x1.0" 1.0 MHz
Transducer	Panametrics	A401S	58946		0.50x1.0" 1.0 MHz
Transducer	RTD	TRCR4-AUST	98-586	CREEP WAVE TRCR	2(6x13)mm 4.0 MHz
Transducer	RTD	TRCR4-AUST	99-1075	CREEP WAVE TRCR	2(6x13)mm 4.0 MHz
Transducer	RTD	TRL4-AUST	00-237	LONG WAVE TRL	2(4x8)mm 4.0 MHz
Transducer	RTD	TRL4-AUST	00-238	LONG WAVE TRL	2(8x14)mm 4.0 MHz
Transducer	RTD	TRL4-AUST	00-239	LONG WAVE TRL	2(8x14)mm 4.0 MHz
Transducer	RTD	TRL2-AUST	00-240	LONG WAVE TRL	2(15x25)mm 2.0 MHz
Transducer	RTD	TRL4-AUST	00-242	LONG WAVE TRL	2(8x14)mm 4.0 MHz
Transducer	RTD	TRL2-AUST	00-243	LONG WAVE TRL	2(15x25)mm 2.0 MHz
Transducer	RTD	TRL4-AUST	00-244	LONG WAVE TRL	2(4x8)mm 4.0 MHz
Transducer	RTD	TRL2-AUST	99-1078	LONG WAVE TRL	2(8x14)mm 2.0 MHz
Transducer	RTD	TRL2-AUST	99-822	LONG WAVE TRL	2(8x14)mm 2.0 MHz
Transducer	Sigma	SDDA2.25	2616-98001A	SDDA	4(8x7)mm 2.25
Transducer	Sigma	SDDA2.25	2616-98001B	SDDA	4(8x7)mm 2.25

Description	Manufactur	Model Number	Serial Number	Series Style	Size Frequency
Transducer	Sigma	SDDA2.25	2616-98003A	SDDA	4(8x7)mm 2.25
Transducer	Sigma	SDDA2.25	2616-98003B	SDDA	4(8x7)mm 2.25

ATTACHMENT 4.2
Westinghouse, NPPD Supplied, NDE Materials for RFO19

Description	Type Number	Manufactur	Batch Number	PO Number	CNSNO
<u>MT Material Approved for Use</u>					
Dry Gray Powder	# 1 Gray	Magnaflux	95G031	394156	33482
Dry Gray Powder	# 1 Gray	Magnaflux	92G022	N/A	N/A
Dry Red Powder	8A	Magnaflux	97D068	971462	33481
Dry Red Powder	8A	Magnaflux	94J079	394156	33481
Dry Red Powder	8A	Magnaflux	92C055	N/A	N/A
<u>PT Material Approved for Use</u>					
Cleaner/Remover	DR-60	Sherwin Inc	610-L4	971022	34526
Develpoer	D-100	Sherwin Inc	731-A6	971022	34525
Penetrant	DP-40	Sherwin Inc	721-A1	971022, 971378	34524
<u>UT Material Approved for Use</u>					
Couplant	Exosen 30	Krautkramer-Branson Inc	30198301	983220	33480
Couplant	Exosen 30	Krautkramer-Branson Inc	10598304	981572	33480

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As required by the Provisions of the ASME Code Section XI

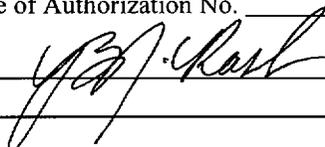
1. Owner Nebraska Public Power District Date August 21, 2000
PO Box 98 Brownville, Nebraska 68321 Sheet 1 of 10
2. Plant Cooper Nuclear Station Unit One
PO Box 98 Brownville, Nebraska 68321 N/A
Repair Organization, P.O. No., Job No., etc.
3. Work Performed by NPPD Type Code Symbol Stamp N/A
PO Box 98 Brownville, Nebraska 68321 Authorization No. N/A
Expiration Date N/A
4. Identification of System As shown in the Attached Table
5. (a) Applicable Construction Code As shown in the Attached Table
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition & 1992 Edition 1992 Addenda(IWE)
6. Identification of Components Repaired or Replaced and Replacement Components: Shown on Attached Table
7. Description of Work As shown in the Attached Table
8. Tests Conducted: As Shown in the Attached Table
9. Remarks The following Code Cases listed in the Third Ten-year Interval Program were used for repair and replacements:
N-416-1

CERTIFICATE OF COMPLIANCE

We certify that the statements made in **this report** are correct and these repairs and replacements conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Date 8-22-00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Nebraska and Employed by Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period December 20, 1998 to May 29, 2000, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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


Inspector's Signature

Commissions NB 11047 A, N, I, C
National Board, State, Province, and Endorsements

Date 08/22/2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As required by the Provisions of the ASME Code Section XI

MWR	System	Name of Component	Mfr. Serial No	CI	Name of Manufacturer	Nat'l Board No.	Description of Work	Applicable Constr. Code	Year Built	Repaired or Replaced	ASME Code Stamp	Pressure Tests Conducted
88-0864	RCIC	RCIC-AOV-AO22	N/A	1	Atwood & Morrill Co.	N/A	Machine oversize disk to clear valve body. The disk was installed by DC-86-045 in 1988. Machining the disk was not reported on a previous NIS-2.	B31.7-1969	1969	Repaired	N/A	88-111
97-1508	SW	SW-P-(PART 01466)	N/A	3	Byron Jackson Div/Borg-Warner	N/A	Drill holes into top case and into suction bowl.	B31.1-1967	1969	Replaced	N/A	N/A
97-1508	SW	SW-P-(PART 01466)	N/A	3	Byron Jackson Div./ Borg-Warner	N/A	Drill holes in pump case to secure new wear ring	B31.1-1967	1969	Replaced	N/A	N/A
98-0018	RHR	RHR-V-63	N/A	2	Crane Valve Co.	N/A	Replace Valve and associated piping	B31.1-1967	1969	Replaced	N/A	99-345 & Code Case N-416-1
98-1200 (2)	SW	SW-PIPING	N/A	3	Unknown/ Jelco	N/A	Replace SW Piping	B31.1-1967	1969	Replaced	N/A	99-348, 99-346, & Code Case N-416-1
98-1200	SW	SW-V-1283	N/A	3	Unknown/ Jelco	N/A	Replace Flange Bolting	B31.1-1967	1969	Replaced	N/A	99-348 & Code Case N-416-1
98-1200	SW	SW-S48A	N/A	3	Unknown/ Jelco	N/A	Cut support to facilitate elbow replacement then reweld support	B31.1-1967	1969	Repaired	N/A	N/A
98-1200	SW	SW-S23B	N/A	3	Unknown/Jelco	N/A	Cut support to facilitate pipe replacement then reweld support	B31.1-1967	1969	Replaced	N/A	N/A
98-1200	SW	LIFTING LUG TO 18" PIPE	N/A	3	NPPD	N/A	Add lifting lugs to pipe, remove after pipe is installed	B31.1-1967	1969	Replaced	N/A	N/A
98-1477	SW	SW-P-(PART 01466)	N/A	3	Byron Jackson Div/Borg-Warner	N/A	Drill holes into to top case.	B31.1-1967	1969	Replaced	N/A	N/A
98-1691 (2)	SW	PIPE	N/A	3	Jelco	N/A	Replaced 3" pipe, elbows & flanges, from SW-V-1495 to SW-V-165 & SW-V-1496 to SW-V-166.	B31.1-1967	1969	Replaced	N/A	98-170, 98-171
98-1691	SW	SW-S22, SW-S21B&R, SW-S102	N/A	3	Grinnell	N/A	Replaced pipe support lugs.	B31.1-1967	1969	Replaced	N/A	98-170, 98-171
98-2658	REC	REC-HX-B	27031	3	Southwestern Engineering Co.	N/A	Repair Eroded Areas by Welding	B31.1-1967	1969	Repaired	N/A	99-030
98-2768	SW	SW-P-D	681H044 2	3	Byron Jackson Div/ Borg-Warner	N/A	Replace Bowl Assembly	B31.1-1967	1969	Replaced	N/A	98-222
98-2768	SW	SW-CV-13CV	92-2068-010-01	3	C & S Valve Co.	N/A	Replace Valve	B31.1-1967	1969	Replaced	N/A	98-222

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98-2784	REC	REC-HX-A	27030	3	Southwestern Engineering Co	N/A	Repair eroded areas by welding	B31.1-1967	1969	Repair	N/A	99-029
98-4172	SW	SW-P-B	681-H0444	3	Byron Jackson Div/Borg-Warner	N/A	Repair eroded area by welding	B31.1-1967	1969	Repaired	N/A	99-017
98-4172	SW	SW-P-B	681-H0444	3	Byron Jackson Div/Borg-Warner	N/A	Replace bottom column	B31.1-1967	1969	Replaced	N/A	99-017
98-4172	SW	SW-P-B	681-H0444	3	Byron Jackson Div/Borg-Warner	N/A	Replace upper column	B31.1-1967	1969	Replaced	N/A	99-017
98-4172	SW	SW-P-B	N/A	3	Byron Jackson Div/Borg-Warner	N/A	Replace Bowl Assembly and bolting for bowl and columns	B31.1-1967	1969	Replaced	N/A	99-042
98-4172	SW	SW-CV-11CV	N/A	3	C & S Valve Co.	N/A	Replace Valve	B31.1-1967	1969	Replaced	N/A	99-042
98-4172	SW	SW-EXPI-SWPB	N/A	3	Garlock, Inc.	N/A	Replace Expansion Joint	B31.1-1967	1969	Replaced	N/A	99-042
98-4172	SW	SW-P-B	681-H0444	3	Byron Jackson Div/ Borg-Warner	N/A	Replace Discharge Head	B31.1-1967	1969	Replacement	N/A	99-017
99-0541	SW	SW-P-(Spare)	N/A	3	Byron Jackson Div./ Borg Warner	N/A	Drill holes in pump casing for set screws to secure new wear ring	B31.1-1967	1969	Replaced	N/A	None (Spare)
99-0579	SW	SW-H44	N/A	3	Grinnell	N/A	Replace Item #8 Steel Clevis, and Item #7 Threaded Rod	B31.1-1967	1969	Replacement	N/A	N/A
99-0579	SW	SW-CV-21CV	E6634-1-2	3	Anchor Darling Valve Co.	N/A	Replace Valve, fit disc, add lifting lugs	B31.1-1967	1969	Replacement	N/A	99-034
99-0579	SW	14" PIPE	N/A	3	Jelco	N/A	Replace Valve and Associated Pipe and Restore Hanger	B31.1-1967	1969	Replacement	N/A	99-034
99-0597	SW	SW-P-C	N/A	3	Byron Jackson/ Div/ Borg Warner	N/A	Replace Bowl Assembly and bolting for bowl and columns	B31.1-1967	1969	Replaced	N/A	99-042
99-0597	SW	SW-CV-12CV	N/A	3	C & S Valve Co.	N/A	Replace Valve	B31.1-1967	1969	Replaced	N/A	99-042
99-0597	SW	SW-EXPI-SWPC	N/A	3	Garlock, Inc.	N/A	Replace Expansion Joint	B31.1-1967	1969	Replaced	N/A	99-042
99-0626(2)	SW	SW-AOV-853AV	N/A	3	Hills-McCanna	N/A	Replace Valve and Body/Bonnet Studs/Nuts	B31.1-1967	1969	Replacement	N/A	99-048 & 99-049
99-0641	MS	MS-AOV-AO80A	N/A	1	Rockwell Mfg.	N/A	Replace Disc	B31.7-1969	1969	Replaced	N/A	6.MISC.502
99-0717	SW	SW-STNR-A	N/A	3	Zurn Industries/ Hayward	N/A	Repair Strainer Cover	B31.1-1967	1969	Repaired	N/A	99-055

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99-0758	SW	SW-STNR-B	N/A	3	Zurn Industries/ Hayward	N/A	Repair Strainer Cover	B31.1-1967	1969	Repaired	N/A	99-053
99-0848(2)	CRDM	CRD-CRD-(06-15),...(06-27), (10-47), (14-31), (22-11), (22-19), (26-43), (30-47), (34-07), (42-23), (46-15), (46-23)	N/A	1	General Electric	N/A	Replace 12 CRDM's and associated CRDM Flange Capscrews	B31.7-1969 & ASME Section XI, 1980 Edition including Winter 1981 Addenda	1969	Replaced	N/A	6.MISC.502
99-0927	MS	MS-RV-71ARV	387	1	Target Rock Corp.	N/A	Repair gouges in valve body by welding	B31.7-1969	1969	Repaired	N/A	None (spare valve and exempt per IWA-4700(b))
99-0977(2)	SW	SW-PART-21340	N/A	3	Anchor Valve Co.	N/A	Repair valve by restoring dimensions and attaching lifting lugs, Replace Disc	B31.1-1967	1969	Repaired	N/A	None (spare valve)
99-1004	SW	SW-V-91	N/A	3	Cardinal Industrial Products, Inc.	N/A	Replace Body Bolts as needed	B31.1-1967	1969	Replaced	N/A	99-372
99-1026	SW	SW-V-107	N/A	3	Unknown/ Jelco Drawing 2852-16	N/A	Replace 3" pipe from Main SW 14"line to the SW-V-107	B31.1-1967	1969	Replaced	N/A	99-303 & Code Case N-416-1
99-1027	SW	SW-P-BPD	N/A	3	Byron Jackson Div/ Borg-Warner	N/A	Replace Pump and Pump Support	B31.1-1967	1969	Replaced	N/A	99-058
99-1059	SW	SW-MOV-889MV	N/A	3	Crane Co.	N/A	Repair Valve Body Guide	B31.1-1967	1969	Repaired	N/A	99-410
99-1081	MS	MS-RV-71ARV	382	1	Target Rock Corp.	N/A	Replace Pilot Valve Assembly	B31.7-1969	1969	Replaced	N/A	6.MISC.502
99-1082	MS	MS-RV-71BRV	384	1	Target Rock Corp.	N/A	Replace Pilot Valve Assembly	B31.7-1969	1969	Replaced	N/A	6.MISC.502
99-1083	MS	MS-RV-71CRV	377	1	Target Rock Corp.	N/A	Replace Pilot Valve Assembly	B31.7-1969	1969	Replaced	N/A	6.MISC.502
99-1084	MS	MS-RV-71DRV	378	1	Target Rock Corp.	N/A	Replace Pilot Valve Assembly	B31.7-1969	1969	Replaced	N/A	6.MISC.502
99-1085 (2)	MS	MS-RV-71ERV	386	1	Target Rock Corp.	N/A	Replace Pilot Valve Assembly and Inlet Studs/Nuts	B31.7-1969	1969	Replaced	N/A	6.MISC-502
99-1086 (3)	MS	MS-RV-71FRV	380	1	Target Rock Corp.	N/A	Replace Pilot Valve Assembly and Inlet Studs/Nuts, Replace Valve body with Repaired Valve body S/N 387 (99-0927)	B31.7-1969	1969	Replaced	N/A	6.MISC-502
99-1087	MS	MS-RV-71GRV	376	1	Target Rock Corp.	N/A	Replace Pilot Valve Assembly and Valve Body, Inlet/Outlet Studs/Nuts	B31.7-1969	1969	Replaced	N/A	6.MISC-502
99-1088	MS	MS-RV-71HRV	383	1	Target Rock Corp.	N/A	Replace Pilot Valve Assembly	B31.7-1969	1969	Replaced	N/A	6.MISC.502

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99-1094	MS	MS-RV-70BRV	BL2462	1	Consolidated Safety Relief Valves C5670	N/A	Replace damaged inlet studs	B31.7-1969	1969	Replaced	N/A	6.MISC.502
99-1111	PC	PC-AOV-NRV27	6804-1425/1	2	L & J Technologies	N/A	Repair valve body by grinding	B31.1-1967	1969	Repaired	N/A	6.PC.503
99-1193	RW	RW-AOV-AO83	7885	2	Anchor Darling	N/A	Replace Valve	B31.7-1969	1969	Replaced	N/A	6PC.501 , 00-156
99-1194	RW	RW-AOV-AO94	N/A	2	Anchor Darling	N/A	Replace Valve	B31.7-1969	1969	Replaced	N/A	99-201
99-1195	RW	RW-AOV-AO95	N/A	2	Anchor Darling	N/A	Replace Nut	B31.7-1969	1969	Replaced	N/A	6PC.501 , 00-200
99-1259	PC	PC-PENT-X1A	C4448	MC	Nova Machine Products	N/A	Replace Drywell Equipment Hatch Closure Bolt	ASME III, Subsection B Class B-1965	1969	Replaced	N/A	6.PC.501
99-1260	PC	PC-PENT-X200B	N/A	2	Chicago Bridge & Iron	N/A	Replace Nuts	ASME III, 1965	1969	Replaced	N/A	6.PC.501
99-1280	SW	SW-AOV-2797AV	N/A	3	Fisher Controls	N/A	Replaced Valve	B31.1-1967	1969	Replaced	N/A	99-166
99-1316	RHR	RHR-HX-B	N/A	3	Southwestern Engineering Co.	N/A	Repair Waterbox Shell and Baffle Plate by Welding	B31.1-1967	1969	Repair	N/A	00-076 & Code Case N-416-1
99-1317	RHR	RHR-HX-A	N/A	3	Southwestern Engineering Co.	N/A	Repair Waterbox Shell and Baffle Plate by Welding	B31.1-1967	1969	Repair	N/A	00-074 & Code Case N-416-1
99-1635	SW	SW-PART-10484	10484	3	Byron Jackson/ Div. Borg Warner	N/A	Repair Pump Column	B31.1-1967	1969	Repaired	N/A	None (spare pump column and exempt per IWA-4700 (b))
99-2210	SW	SW-AOV-850AV	N/A	3	Hills-McCanna	N/A	Replace Valve parts	B31.1-1967	1969	Replaced	N/A	99-298
99-2211	SW	SW-AOV-851AV	N/A	3	Hills-McCanna	N/A	Replace Valve parts	B31.1-1967	1969	Replaced	N/A	99-299
99-2386	SW	SW-PIPING	N/A	3	Jelco	N/A	Replace Piping Upstream of SW-V-108	B31.1-1967	1969	Replaced	N/A	99-322 & Code Case N-416-1
99-2387	SW	SW-PIPING	N/A	3	Jelco	N/A	Replace Piping Upstream of SW-MOV-122MV	B31.1-1967	1969	Replaced	N/A	99-324
99-2388(3)	SW	SW-PIPING	N/A	3	Jelco	N/A	Replace Piping from Service Water Booster Pump A Outlet to SW-CV-19CV Including Attachment Weld to SW-H46	B31.1-1967	1969	Replaced	N/A	99-324
99-2389(2)	SW	SW-PIPING	N/A	3	Jelco	N/A	Replace Piping from SW-CV-20CV to Booster Pump B Outlet	B31.1-1967	1969	Replaced	N/A	99-325, 00-003

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99-2390	SW	SW-PIPING	N/A	3	Jelco	N/A	Replace Piping from SW-CV-21CV to Booster Pump C Outlet Removed and Replaced Stanchion to Facilitate Piping Replacement	B31.1-1967	1969	Replaced	N/A	99-326
99-2391	SW	SW-PIPING	N/A	3	Unknown/ Jelco Drawing 2852-50	N/A	Replace 4" Pipe from 4" EL. to the 4X14 W.O.L.	B31.1-1967	1969	Replaced	N/A	99-318 & Code Case N-416-1
99-2392	SW	SW-PIPING	N/A	3	Unknown/ Jelco Drawing 2852-50	N/A	Replace 4" Pipe from 4" EL. to the 4 X 14 W.O.L.	B31.1-1967	1969	Replaced	N/A	99-321 & Code Case N-416-1
99-2411	SW	SW-MOV-650MV	N/A	3	Henry Pratt Co.	N/A	Replace Valve with Refurbished Valve, Refurbishment by Pratt	B31.1-1967	1969	Replaced	N/A	99-258
99-2466 (2)	SW	SW-PIPING	N/A	3	Jelco	N/A	Replace Piping and Associated Fittings/Flanges	B31.1-1967	1969	Replaced	N/A	99-358 & 99-358 & Code Case N-416-1
99-2514	CS	CS-VE7	454	2	Pacific Scientific Co	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2519	RHR	RH-S15	463	1	Pacific Scientific Co	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2520	RF	RF-S11	13793	1	Pacific Scientific Co	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2521	MS	VR-S2	13796	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2522	RHR	RH-S67	15141	1	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2523	MS	VR-S32	15143	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2524	MS	VR-S62A	15144	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2525	MS	VR-S6	15145	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2526	MS	VR-S71A	15146	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2527	MS	VR-S26	15367	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2529	RHR	RH-S14A	400	1	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A

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99-2530	RHR	RH-S21	406	2	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2531	MS	VR-62-8-X	450	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2532	RHR	RH-S5	451	1	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2533	MS	VR-S42B	453	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2534	RHR	RH-S73	466	1	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2535	RHR	RH-S45	468	2	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2536	MS	SS-B2	4880	1	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2538	RF	RF-S16	7012	1	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2539	MS	VR-60-7-Z	8137	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2540	RR	SS-3B1	12979	1	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2541	MS	VR-S61	12983	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2542	RHR	RH-S72A	339	1	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2543	MS	VR-S25	345	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2544	RR	SS-4A	5301	1	Pacific scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2545	RR	SS-4B	5302	1	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2546	MS	VR-S40	5323	3	Pacific Scientific Co.	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2547	RHR	RH-S44B	7565	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A

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99-2548	RHR	RH-S77	7566	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2549	RHR	RH-S54	7567	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2550	RHR	RH-S57	7733	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2551	RHR	RH-S42	7743	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2558	RHR	RH-S80	7810	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2559	RHR	RH-S20	8021	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2560	RHR	RH-S43	8022	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2561	RHR	RH-S76A	8024	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2562	RHR	RH-S37	8063	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2565	RHR	RH-S76B	8077	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2566	RHR	RH-S26	8078	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2570	RHR	RH-S30A	8110	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2571	RHR	RH-S25A	8123	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2572	MS	MS-S7B	8139	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2573	RHR	RH-S40	8142	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2574	RHR	RH-S30B	8145	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2575	MS	MS-S4	8146	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2576	RHR	RH-S41	8157	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2577	RHR	RH-S78A	8537	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2578	REC	RCC-S21	8540	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2579	RHR	RH-S44A	8555	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2583	RHR	RH-S25	8578	2	Grinnell	N/A	Replace Snubber	B31.7-1969	1969	Replaced	N/A	N/A
99-2599	REC	REC- HX-B	27031	3	Southwestern Engineering Co.	N/A	Repair Eroded Areas by Welding	B31.1-1967	1969	Repair	N/A	00-002
99-2722	HV	HV-COIL-(FC-R-1F)	N/A	3	American Air Filter	N/A	Replace Coil and Stub Pieces	B31.1-1967	1969	Replaced	N/A	99-301

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As required by the Provisions of the ASME Code Section XI

MWR	System	Name of Component	Mfr. Serial No	CI	Name of Manufacturer	Nat'l Board No.	Description of Work	Applicable Constr. Code	Year Built	Repaired or Replaced	ASME Code Stamp	Pressure Tests Conducted
99-2823	PC	PC-PENT-X1A	N/A	MC	Chicago Bridge & Iron	N/A	Replace Damaged Bolting, Nuts, and Washers	ASME III, Subsection B Class B - 1965	1969	Replaced	N/A	6PC.501
99-2967	REC	REC-HX-A	27030	3	Southwestern Engineering Co.	N/A	Install Tube Plugs	B31.1-1967	1969	Replaced	N/A	00-009
99-2968	REC	REC-HX-B	27031	3	Southwestern Engineering Co.	N/A	Install Tube Plugs	B31.1-1967	1969	Replaced	N/A	00-004
99-3028	REC	REC-HX-A	27030	3	Southwestern Engineering Co	N/A	Repair Eroded Areas by Welding	B31.1-1967	1969	Repair	N/A	99-354
99-3066	SW	SW-MOV-MO89A	N/A	3	Anchor Darling	N/A	Replace Valve and Associated Piping and Flange Bolting	B31.1-1967	1969	Replaced	N/A	00-090 & Code Case N-416-1
99-3068 (4)	SW	SW-MOV-MO89B	N/A	3	Anchor Darling	N/A	Replace Valve and Associated Piping, Flanges, and Bolting, and Remove Body Wing	B31.1-1967	1969	Replaced	N/A	00-091 & Code Case N-416-1
99-3068	SW	RH-H50	N/A	2	Unknown	N/A	Modify Pipe Clamp	B31.1-1967	1969	Repair	N/A	N/A
00-0008	MS	MS-SNUB-(VR-61-8X)	N/A	3	Jelco/Unknown	N/A	Replaced Portion of Support to Facilitate Other Work	B31.7-1969	1969	Replaced	N/A	N/A
00-0142	SW	SW-PIPING	N/A	3	Jelco	N/A	Replace SW Piping	B31.1-1967	1969	Replaced	N/A	00-012
00-0303	SW	SW-PIPING	N/A	3	Jelco	N/A	Replace 18" SW Piping near REC-HX-A	B31.1-1967	1969	Replaced	N/A	00-038
00-0440	PC	PC-PENT-X1B	N/A	MC	Chicago Bridge & Iron	N/A	Replace Bolt(s)	ASME III, 1965 Subsection B, Class B	1969	Replaced	N/A	6.PC.501
00-0537	PC	PC-PENT-X200A	N/A	2	Chicago Bridge & Iron	N/A	Replace Bolts and Nuts	ASME III, 1965	1969	Replaced	N/A	6.PC.501
00-0675 (3)	SW	SW-PIPING	N/A	3	Grinnell	N/A	Replace Piping, Weld Buildup Piping, & Replace Nut on Sway Strut	B31.1-1967	1969	Replaced	N/A	00-127
00-0679 (4)	RHR	RHR-MOV-MO274B	N/A	1	Conval	N/A	Replace Bonnet, Repair Disk, Removed/Replaced Associated Piping and Valve	B31.7-1969	1969	Replaced	N/A	00-128
00-0762 (4)	RHR	RHR-CV-27CV	N/A	1	Attwood Morrill	N/A	Replace Bonnet and Canopy, Repair Disk, and Machine New Bonnet	B31.7-1969	1969	Replaced	N/A	00-128, 00-138

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As required by the Provisions of the ASME Code Section XI

MWR	System	Name of Component	Mfr. Serial No	CI	Name of Manufacturer	Nat'l Board No.	Description of Work	Applicable Constr. Code	Year Built	Repaired or Replaced	ASME Code Stamp	Pressure Tests Conducted
00-0773 (3)	MS	MS-AOV-A080A	N/A	1	Rockwell-Edwards	N/A	Repair Body, Bonnet and Disk by Welding	B31.7-1969	1969	Repaired	N/A	6.MISC.502
00-0811	PC	DRYWELL WALL	N/A	MC	Chicago Bridge & Iron	N/A	Remove Arc Strikes from Drywell Wall	ASME III, 1965 Edition, 1967 Addenda	1969	Repaired	N/A	next ILRT
00-1264	RHR	RHR-MO-MO26B	N/A	2	Anchor Valve Co.	N/A	Replace Body-to-Bonnet Studs	B31.7-1969	1969	Replaced	N/A	00-215
00-1802	RHR	RHR-MO-MO31A	N/A	2	Anchor-Darling	N/A	Replaced Body-to-Bonnet Studs	B31.7-1969	1969	Replaced	N/A	00-214
00-1812	RHR	RHR-MO-MO31B	N/A	2	Anchor-Darling	N/A	Replaced Body-to-Bonnet Studs	B31.7-1969	1969	Replaced	N/A	00-213