

Reactor Pressure Vessel

Summary Number	Examination Area Identification	Inspection Interval		PLAN STATUS												Instructions / Cal Block								
		ASME Sec XI Categ Item No	NDE Method	First Period				Second Period				Third Period												
				1	2	3	4	1	2	3	4	1	2	3	4									
001000	RPV-14-683 Shell to Flange	B-A B1.30	VOL	1	-	-	-	-	2	-	-	-	-	3	-	-	-	-	4	-	-	-	-	Examine from the flange surface during the first period and from the shell side during the in-vessel automated examinations. Nat'l Board Number - 21009, Mfg. Ser. No. - C.E. 69101 Cal Block: 5-PTB
U2R21	10/12/1995 - UT complete. No recordable indications. Examined as RPV-14-683-A from 0 to 180 degrees.																							
U2R23	1/29/1999 - UT complete. No recordable indications. 1/2/1999 - UT complete. No recordable indications. Examined as RPV-14-683-A (0 to 180 degrees) and RPV-14-683-B (180 to 360 degrees).																							
U2R27	U2R27-																							
U2R28	U2R28																							
001100	RPV-15-683 Upper Shell to Middle Shell	B-A B1.11	VOL	1	-	-	-	-	2	-	-	-	-	3	-	-	-	-	4	-	-	-	-	Cal Block: 12-PTB
U2R23	1/1/1999 - UT complete. One geometric reflector from the support lug.																							
U2R28	U2R28																							
001200	RPV-16-683 Middle Shell to Lower Shell	B-A B1.11	VOL	1	-	-	-	-	2	-	-	-	-	3	-	-	-	-	4	-	-	-	-	Cal Block: 12-PTB
U2R23	1/1/1999 - UT complete. No recordable indications.																							
U2R28	U2R28																							
001300	RPV-17-683 Lower Shell to Lower Head Ring	B-A B1.21	VOL	1	-	-	-	-	2	-	-	-	-	3	-	-	-	-	4	-	-	-	-	Cal Block: 12-PTB
U2R23	1/2/1999 - UT complete. No recordable indications. 82% coverage obtained.																							
U2R28	U2R28																							
001400	RPV-18-683 Lower Head Ring to Lower Head	B-A B1.21	VOL	1	-	-	-	-	2	-	-	-	-	3	-	-	-	-	4	-	-	-	-	Cal Block: 11-PTB
U2R23	1/2/1999 - Ut complete. No recordable indications.																							
U2R28	U2R28																							

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Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	NDE Method	Inspection Interval		PLAN STATUS												Instructions / Cal Block
						First Period				Second Period				Third Period				
						1	2	3	4	1	2	3	4	1	2	3	4	
----- O U T A G E -----																		
001500	RPV-02-686-A Outlet Nozzle at 28.5 Deg	B-D B3.90	VOL	1	2	3	4	1	2	3	4	1	2	3	4	Cal Block: 5-PTB		
U2R23	1/29/1999 - UT complete. No recordable indications. Transverse examination limited due to the proximity of nozzle integral extensions. 63% coverage obtained.																	
U2R28																		
001700	RPV-02-686-A-IRS Outlet Nozzle Inside Radius at 28.5 Deg	B-D B3.100	VOL	1	2	3	4	1	2	3	4	1	2	3	4	Cal Block: 14-PTB		
U2R23	12/26/1998 - UT complete. No recordable indications.																	
U2R28																		
001800	RPV-02-686-B Inlet Nozzle at 148.5 Deg	B-D B3.90	VOL	1	2	3	4	1	2	3	4	1	2	3	4	Core barrel must be removed for access. Cal Block: 5-PTB		
U2R23	1/29/1999 - UT complete. No recordable indications.																	
U2R28																		
001900	RPV-02-686-B-IRS Inlet Nozzle Inside Radius at 148.5 Deg	B-D B3.100	VOL	1	2	3	4	1	2	3	4	1	2	3	4	Core barrel must be removed for access. Cal Block: 14-PTB		
U2R23	12/26/1998 - UT complete. No recordable indications.																	
U2R28																		
002000	RPV-02-686-C Outlet Nozzle at 208.5 Deg	B-D B3.90	VOL	1	2	3	4	1	2	3	4	1	2	3	4	Cal Block: 5-PTB		
U2R23	1/29/1999 - UT complete. No recordable indications. Transverse examination limited due to the proximity of nozzle integral extensions. 63% coverage obtained.																	
U2R28																		

Reactor Pressure Vessel

Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	NDE Method	Inspection Interval		PLAN STATUS												Instructions / Cal Block
						First Period				Second Period				Third Period				
						1	2	3	4	1	2	3	4	1	2	3	4	
----- O U T A G E -----																		
002800	RPV-687-01-B SI Nozzle at 108.5 Deg	B-D B3.90	VOL	1	2	3	4	1	2	3	4	1	2	3	4	Cal Block: 13-PTB		
				1	-	-	-	-	-	-	-	-	-	-	-			
				2	-	-	-	-	-	-	-	-	-	-	-			
				3	-	-	-	-	L	-	-	-	-	-	-			
				4	-	-	-	X	-	-	-	-	-	-	-			
				5	-	-	-	-	-	-	-	-	-	-	-			
				6	-	-	-	-	-	-	-	-	-	-	-			
U2R23	1/1/1999 - UT complete. Seven indications noted. All allowable in accordance with Table IWB-3512 of 1986 Section XI. Transverse examination limited due to the proximity of integral extensions. 69% coverage obtained.																	
U2R28																		
003000	RPV-687-01-B-IRS SI Nozzle Inside Radius at 108.5 Deg	B-D B3.100	VOL	1	2	3	4	1	2	3	4	1	2	3	4	Cal Block: 23-PTB		
				1	-	-	-	-	-	-	-	-	-	-	-			
				2	-	-	-	-	-	-	-	-	-	-	-			
				3	-	-	-	-	C	-	-	-	-	-	-			
				4	-	-	-	X	-	-	-	-	-	-	-			
				5	-	-	-	-	-	-	-	-	-	-	-			
				6	-	-	-	-	-	-	-	-	-	-	-			
U2R23	12/26/1998 - UT complete. No recordable indications.																	
U2R28																		
003100	RPV-MK-16 Support at 88.5 Deg	B-K B10.10	SUR	1	2	3	4	1	2	3	4	1	2	3	4	Cal Block: 5-PTB		
				1	-	-	-	-	-	-	-	-	-	-	-			
				2	-	-	-	-	-	-	-	-	-	-	-			
				3	-	-	-	-	-	-	-	-	-	-	-			
				4	-	-	-	X	-	-	-	-	-	-	-			
				5	-	-	-	-	-	-	-	-	-	-	-			
				6	-	-	-	-	-	-	-	-	-	-	-			
U2R28																		
003200	RPV-MK-17 Support at 268.5 Deg	B-K B10.10	SUR	1	2	3	4	1	2	3	4	1	2	3	4	Cal Block: 5-PTB		
				1	-	-	-	-	-	-	-	-	-	-	-			
				2	-	-	-	-	-	-	-	-	-	-	-			
				3	-	-	-	-	-	-	-	-	-	-	-			
				4	-	-	-	X	-	-	-	-	-	-	-			
				5	-	-	-	-	-	-	-	-	-	-	-			
				6	-	-	-	-	-	-	-	-	-	-	-			
U2R28																		
003300	RPV-MK-7-1 Core Support Guide at 0 Deg	B-N-2 B13.60	VT-3	1	2	3	4	1	2	3	4	1	2	3	4	Core barrel must be removed for access.		
				1	-	-	-	-	-	-	-	-	-	-	-			
				2	-	-	-	-	-	-	-	-	-	-	-			
				3	-	-	-	-	C	-	-	-	-	-	-			
				4	-	-	-	X	-	-	-	-	-	-	-			
				5	-	-	-	-	-	-	-	-	-	-	-			
				6	-	-	-	-	-	-	-	-	-	-	-			
U2R23	1/1/1999 - VT-3 complete. No recordable indications. microfilm 002-0174																	
U2R28																		
003400	RPV-MK-7-2 Core Support Guide at 90 Deg	B-N-2 B13.60	VT-3	1	2	3	4	1	2	3	4	1	2	3	4	Core barrel must be removed for access.		
				1	-	-	-	-	-	-	-	-	-	-	-			
				2	-	-	-	-	-	-	-	-	-	-	-			
				3	-	-	-	-	C	-	-	-	-	-	-			
				4	-	-	-	X	-	-	-	-	-	-	-			
				5	-	-	-	-	-	-	-	-	-	-	-			
				6	-	-	-	-	-	-	-	-	-	-	-			
U2R23	1/1/1999 - VT-3 complete. No recordable indications. microfilm 002-0178																	
U2R28																		

Table 2.2 Risk Category 2 After Augmented Program Adjustments

Summary Number	Component ID	Exam Categ	Item No	DM	Conseq ID	Conseq Rank	Inspection Interval	PLAN STATUS											
								First Period				Second Period				Third Period			
								1	2	3	4	1	2	3	4	1	2	3	4
037500	AC-10-SI-2001-16	R-A	R1.16	IGSCC	IL-C-19	High	1	-	-	-	D	-	-	-	-	-	-	-	-
							2	-	-	-	-	-	-	-	-	-	-	-	-
							3	-	-	-	-	-	-	-	-	-	-	-	-
							4	-	-	-	-	-	-	-	-	-	-	-	-
							5	-	-	-	-	-	-	-	-	-	-	-	-
							6	-	-	-	-	-	-	-	-	-	-	-	-
037600	AC-10-SI-2001-17	R-A	R1.11	TT, IGSCC	IL-C-19	High	1	-	-	-	-	-	-	-	-	-	-	-	-
							2	-	-	-	D	-	-	-	-	-	-	-	-
							3	-	-	-	-	-	-	-	-	-	-	-	-
							4	L	-	-	-	-	-	-	-	-	-	-	-
							5	-	-	-	-	-	-	-	-	-	-	-	-
							6	-	-	-	-	-	-	-	-	-	-	-	-
208300	AC-10-RHR-2001-15	R-A	R1.11	TASCS	RHR-C-20	High	1	-	-	-	-	-	-	-	-	-	-	-	-
							2	-	-	-	-	-	-	-	-	P	-	-	-
							3	P	-	-	-	C	-	-	-	-	-	-	-
							4	-	-	-	-	-	-	-	-	-	-	-	-
							5	-	-	-	-	-	-	-	-	-	-	-	-
							6	-	-	-	-	-	-	-	-	-	-	-	-
208400	AC-10-RHR-2001-16	R-A	R1.11	TASCS	RHR-C-20	High	1	-	-	-	-	-	-	-	-	-	-	-	-
							2	-	-	-	-	-	-	-	-	-	-	-	-
							3	-	-	-	-	-	-	-	-	-	-	-	-
							4	-	-	-	-	-	-	-	-	-	-	-	-
							5	-	-	-	-	-	-	-	-	-	-	-	-
							6	-	-	-	-	-	-	-	-	-	-	-	-
444600	AF-03-AFW-2001-98	R-A	R1.11	TASCS	AFW-C-03B	High	1	-	-	-	-	-	-	-	-	-	-	-	-
							2	-	-	-	-	-	-	-	-	-	-	-	-
							3	-	-	-	-	-	-	-	-	-	-	-	-
							4	-	-	-	-	-	-	-	-	-	-	-	-
							5	-	-	-	-	-	-	-	-	-	-	-	-
							6	-	-	-	-	-	-	-	-	-	-	-	-
321350	FW-16-FW-2001-28BC	R-A	R1.11	TASCS	AFW-C-03B	High	1	-	-	-	-	-	-	-	-	-	-	-	-
							2	-	-	-	-	-	-	-	-	-	-	-	-
							3	-	-	-	-	-	-	-	-	-	-	-	-
							4	A	-	-	-	-	-	-	-	-	-	-	-
							5	-	-	-	-	-	-	-	-	-	-	-	-
							6	-	-	-	-	-	-	-	-	-	-	-	-
462800	AF-03-AFW-2002-83	R-A	R1.11	TASCS	AFW-C-06B	High	1	-	-	-	-	-	-	-	-	-	-	-	-
							2	-	-	-	-	-	-	-	-	-	-	-	-
							3	-	-	-	-	-	-	-	-	-	-	-	-
							4	-	-	-	-	-	-	-	-	-	-	-	-
							5	-	-	-	-	-	-	-	-	-	-	-	-
							6	-	-	-	-	-	-	-	-	-	-	-	-

Table 2.2 Risk Category 2 After Augmented Program Adjustments

Summary Number	Component ID	Exam Categ	Item No	DM	Conseq ID	Conseq Rank	Inspection Interval	PLAN STATUS															
								First Period				Second Period				Third Period							
								1	2	3	4	1	2	3	4	1	2	3	4				
044000	PZR-SURGENOZ-SE	R-A	R1.20	TT	RCS-C-09	High	1	-	-	-	-	-	-	-	-	-	-	-	-				
								2	-	-	-	-	-	-	-	-	-	-	-	-			
									3	-	P	-	-	-	-	-	-	-	-	L	-		
										4	-	-	-	-	-	-	-	-	-	-	-	-	
											5	-	-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-
095800	RC-03-CH-2001-23	R-A	R1.11	TT	CVCS-C-01	High	1						-	-	-	-	-	-	-	-	-	-	-
								2					-	-	-	D	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	-	-	-	-	-
										4			-	-	-	-	-	-	-	-	-	-	-
											5		-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-
095900	RC-03-CH-2001-24	R-A	R1.11	TT	CVCS-C-01	High	1						-	-	-	-	-	-	-	-	-	-	-
								2					-	-	-	-	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	C	-	-	-	-
										4			-	-	-	-	-	-	-	-	-	-	X
											5		-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-
096000	RC-03-CH-2001-25	R-A	R1.11	TT	CVCS-C-01	High	1						-	-	-	-	-	-	-	-	-	-	-
								2					-	-	-	D	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	-	-	-	-	-
										4			-	-	-	-	-	-	-	-	-	-	-
											5		-	-	-	-	-	-	-	-	-	-	-
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037900	RC-10-SI-2001-18	R-A	R1.11	TT	IL-C-20	High	1						-	-	-	-	-	-	-	-	-	-	-
								2					-	-	-	D	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	-	-	-	-	-
										4			-	-	-	-	-	-	-	-	-	-	-
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												6	-	-	-	-	-	-	-	-	-	-	-
038000	RC-10-SI-2001-19	R-A	R1.11	TT	IL-C-20	High	1						-	-	-	-	-	-	-	-	-	-	-
								2					-	-	-	-	-	-	-	-	-	-	C
									3				C	-	-	-	-	-	-	-	-	-	-
										4			-	-	-	-	-	-	-	-	-	-	-
											5		-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-
038100	RC-10-SI-2001-20	R-A	R1.11	TT	IL-C-20	High	1						-	-	-	-	-	-	-	-	-	-	-
								2					-	-	-	-	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	C	-	-	-	-
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												6	-	-	-	-	-	-	-	-	-	-	-

Table 2.2 Risk Category 2 After Augmented Program Adjustments

Summary Number	Component ID	Exam Categ	Item No	DM	Conseq ID	Conseq Rank	Inspection Interval	PLAN STATUS															
								First Period				Second Period				Third Period							
								1	2	3	4	1	2	3	4	1	2	3	4				
021700	RC-34-MRCL-AI-05	R-A	R1.15	PWSCC	RCS-C-01	High	1	-	-	-	-	-	-	-	-	-	-	-	-				
								2	-	-	-	-	-	-	-	-	-	-	-	-			
									3	-	-	-	-	-	-	-	B	L	-	-	-		
										4	-	-	-	-	-	-	-	X	-	-	-	-	
											5	-	-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-
025200	RC-32-MRCL-AIII-CH-BC	R-A	R1.11	TT	RCS-C-03	High	1						-	-	-	-	-	-	-	-	-	-	-
								2					-	-	-	-	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	-	-	-	-	-
										4			-	-	-	-	-	-	-	-	-	-	-
											5		-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-
027300	RC-34-MRCL-BI-PZR-BC	R-A	R1.11	TT	RCS-C-05	High	1						-	-	-	-	-	-	-	-	-	-	-
								2					-	-	-	D	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	-	-	-	-	-
										4			-	-	-	-	-	-	-	-	-	-	-
											5		-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-
027700	RC-34-MRCL-BI-05	R-A	R1.15	PWSCC	RCS-C-05	High	1						-	-	-	-	-	-	-	-	-	-	-
								2					-	-	-	-	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	-	B	L	-	-
										4			-	-	-	-	-	-	-	-	-	-	-
											5		-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-
031300	RC-32-MRCL-BIII-SI-BC	R-A	R1.11	TT	RCS-C-07	High	1						-	-	-	D	-	-	-	-	-	-	-
								2					-	-	-	-	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	-	-	-	-	-
										4			-	-	-	-	-	-	-	-	-	-	-
											5		-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-
044100	RC-10-PZR-2001-01	R-A	R1.11	TT	RCS-C-09	High	1						-	-	-	D	-	-	-	-	-	-	-
								2					-	-	-	-	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	-	-	-	-	-
										4			-	-	-	-	-	-	-	-	-	-	-
											5		-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-
044200	RC-10-PZR-2001-02	R-A	R1.11	TT	RCS-C-09	High	1						-	-	-	-	-	-	-	-	-	-	-
								2					-	-	-	-	-	-	-	-	-	-	-
									3				-	-	-	-	-	-	-	-	-	-	-
										4			-	-	-	-	-	-	-	-	-	-	-
											5		-	-	-	-	-	-	-	-	-	-	-
												6	-	-	-	-	-	-	-	-	-	-	-

DATE: 06/21/2004
 REVISION:
 CODE EDITION: 2004

Demonstration Plant Database -- Unit 1
 Section XI Summary
 Fourth Interval

B-A PRESSURE RETAINING WELDS IN REACTOR VESSEL

Item Number	Item Description	Zone	Tbl	No of Comp	No. Req.	Number of Components Scheduled / Completed					
						1st Period		2nd Period		3rd Period	
B1.11	CIRCUMFERENTIAL SHELL WELDS All welds Equiv. 1 beltline region Weld	-	A	2	2	0 / 0	0.0 %	2 / 0	100.0 %	0 / 0	100.0 %
B1.21	CIRCUMFERENTIAL HEAD WELDS Access. length all welds Access length 1 weld	-	A	2	2	0 / 0	0.0 %	2 / 0	100.0 %	0 / 0	100.0 %
B1.30	SHELL-TO-FLANGE WELD 100% of weld Partial Deferral Permissable See Code footnote (5) & (6)	-	A	1	2	1 / 0	50.0 %	1 / 0	100.0 %	0 / 0	100.0 %
B1.40	HEAD-TO-FLANGE WELD 100% of weld Partial Deferral Permissable	-	A	1	1	1 / 0	100.0 %	0 / 0	100.0 %	0 / 0	100.0 %
Category Total:				6	7	2 / 0	28.6 %	5 / 0	100.0 %	0 / 0	100.0 %

DATE: 06/21/2004
 REVISION:
 CODE EDITION: 2004

Demonstration Plant Database -- Unit 1
 Section XI Summary
 Fourth Interval

B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN REACTOR VESSELS

Item Number	Item Description	Zone	Tbl	No of Comp	No. Req.	Number of Components Scheduled / Completed					
						1st Period		2nd Period		3rd Period	
B2.11	PRESSURIZER-CIRCUMFERENTIAL SHELL-TO-HEAD WELDS	-	A	2	2	0 / 0	0.0 %	1 / 0	50.0 %	1 / 0	100.0 %
B2.12	PRESSURIZER-LONGITUDINAL SHELL-TO-HEAD WELDS	-	A	2	2	0 / 0	0.0 %	1 / 0	50.0 %	1 / 0	100.0 %
B2.40	STEAM GENERATORS (PRIMARY SIDE)-TUBESHEET-TO-HEAD WELD	-	A	2	1	0 / 0	0.0 %	1 / 0	100.0 %	0 / 0	100.0 %
B2.51	HEAT EXCHANGERS (PRIMARY SIDE)-HEAD-CIRCUMFERENTIAL HEAD WELDS	-	A	3	1	1 / 0	100.0 %	0 / 0	100.0 %	0 / 0	100.0 %
B2.80	HEAT EXCHANGERS (PRIMARY SIDE)-SHELL-TUBESHEET-TO-SHELL WELDS	-	A	3	1	1 / 0	100.0 %	0 / 0	100.0 %	0 / 0	100.0 %
Category Total:				12	7	2 / 0	28.6 %	3 / 0	71.4 %	2 / 0	100.0 %

B-D FULL PENETRATION WELDS OF NOZZLES IN VESSELS (INSPECTION PROGRAM B)

Item Number	Item Description	Zone	Tbl	No of Comp	No. Req.	Number of Components Scheduled / Completed					
						1st Period		2nd Period		3rd Period	
B3.100	REACTOR VESSEL-NOZZLE INSIDE RADIUS SECTION All Nozzles, 25% to 50% 1st period, Remainder by end of Interval	-	A	6	6	0 / 0	0.0 %	6 / 0	100.0 %	0 / 0	100.0 %
B3.120	PRESSURIZER-NOZZLE INSIDE RADIUS SECTION	-	A	5	5	0 / 0	0.0 %	0 / 0	0.0 %	5 / 0	100.0 %
B3.140	STEAM GENERATORS (PRIMARY SIDE)-NOZZLE INSIDE RADIUS SECTION	-	A	4	4	0 / 0	0.0 %	2 / 0	50.0 %	2 / 0	100.0 %
B3.150	HEAT EXCHANGERS (PRIMARY SIDE)-NOZZLE-TO-VESSEL WELDS	-	A	6	2	2 / 0	100.0 %	0 / 0	100.0 %	0 / 0	100.0 %
B3.160	HEAT EXCHANGERS (PRIMARY SIDE)-NOZZLE INSIDE RADIUS SECTION	-	A	6	2	2 / 0	100.0 %	0 / 0	100.0 %	0 / 0	100.0 %
B3.90	REACTOR VESSEL-NOZZLE-TO-VESSEL WELDS All Nozzles, 25% to 50% 1st period, Remainder by end of Interval	-	A	6	6	0 / 0	0.0 %	6 / 0	100.0 %	0 / 0	100.0 %
Category Total:				33	25	4 / 0	16.0 %	14 / 0	72.0 %	7 / 0	100.0 %

B-G-1 PRESSURE RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER

Item Number	Item Description	Zone	Tbl	No of Comp	No. Req.	Number of Components Scheduled / Completed					
						1st Period		2nd Period		3rd Period	
B6.10	REACTOR VESSEL-CLOSURE HEAD NUTS All nuts, Deferral Permissible	-	A	1	3	1 / 0	33.3 %	1 / 0	66.7 %	1 / 0	100.0 %
B6.180	PUMPS-BOLTS AND STUDS All bolts & studs Limit to comp sched. by Cat. B-L-1 Defer Permis	-	A	2	1	0 / 0	0.0 %	0 / 0	0.0 %	1 / 0	100.0 %
B6.190	PUMPS-FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED All flange surf., Limit to comp sched. by Cat. B-L-1 Defer Permis	-	A	2	2	2 / 0	100.0 %	0 / 0	100.0 %	0 / 0	100.0 %
B6.200	PUMPS-NUTS, BUSHINGS, AND WASHERS All nuts, bush. & wash Limit to comp sched. by Cat. B-L-1 Defer Permis	-	A	2	1	0 / 0	0.0 %	0 / 0	0.0 %	1 / 0	100.0 %
B6.30	REACTOR VESSEL-CLOSURE STUDS, WHEN REMOVED All studs, Deferral Permissible	-	A	1	3	1 / 0	33.3 %	1 / 0	66.7 %	1 / 0	100.0 %
B6.40	REACTOR VESSEL-THREADS IN FLANGE All threads in flange, Deferral Permissible	-	A	1	1	1 / 0	100.0 %	0 / 0	100.0 %	0 / 0	100.0 %
B6.50	REACTOR VESSEL-CLOSURE WASHERS, BUSHINGS All washers & Bushings, Deferral Permissible	-	A	1	3	1 / 0	33.3 %	1 / 0	66.7 %	1 / 0	100.0 %
Category Total:				10	14	6 / 0	42.9 %	3 / 0	64.3 %	5 / 0	100.0 %

DATE: 06/21/2004
 REVISION:
 CODE EDITION: 2004

Demonstration Plant Database -- Unit 1
 Section XI Outage Summary
 U2R28

B-A PRESSURE RETAINING WELDS IN REACTOR VESSEL

Item Number	Item Description	Zone	Tbl	Total Comp	Num. Sched	Num. Completed	
B1.11	CIRCUMFERENTIAL SHELL WELDS All welds Equiv. 1 beltline region Weld	-	A	2	2	0	0.0 %
B1.21	CIRCUMFERENTIAL HEAD WELDS Access. length all welds Access length 1 weld	-	A	2	2	0	0.0 %
B1.30	SHELL-TO-FLANGE WELD 100% of weld Partial Deferral Permissible See Code footnote (5) & (6)	-	A	1	1	0	0.0 %
B1.40	HEAD-TO-FLANGE WELD 100% of weld Partial Deferral Permissible	-	A	1	0	0	0.0 %
Category Total:				6	5	0	0.0 %

DATE: 06/21/2004
 REVISION:
 CODE EDITION: 2004

Demonstration Plant Database -- Unit 1
 Section XI Outage Summary
 U2R28

B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN REACTOR VESSELS

Item Number	Item Description	Zone	Tbl	Total Comp	Num. Sched	Num. Completed	
B2.11	PRESSURIZER-CIRCUMFERENTIAL SHELL-TO-HEAD WELDS	-	A	2	1	0	0.0 %
B2.12	PRESSURIZER-LONGITUDINAL SHELL-TO-HEAD WELDS	-	A	2	1	0	0.0 %
B2.40	STEAM GENERATORS (PRIMARY SIDE)-TUBESHEET-TO-HEAD WELD	-	A	2	1	0	0.0 %
B2.51	HEAT EXCHANGERS (PRIMARY SIDE)-HEAD-CIRCUMFERENTIAL HEAD WELDS	-	A	3	0	0	0.0 %
B2.80	HEAT EXCHANGERS (PRIMARY SIDE)-SHELL-TUBESHEET-TO-SHELL WELDS	-	A	3	0	0	0.0 %
Category Total:				12	3	0	0.0 %

REVISION:

Section XI Plan Report
Fourth Interval

B-A PRESSURE RETAINING WELDS IN REACTOR VESSEL

Summary Number	Examination Area Identification	NDE Method	Inspection Interval	PLAN STATUS												Instructions / Cal Block	
				First Period				Second Period				Third Period					
				1	2	3	4	1	2	3	4	1	2	3	4		
-----OUTAGE-----																	
B1.11 CIRCUMFERENTIAL SHELL WELDS																	
001100	RPV-15-683 Upper Shell to Middle Shell	VOL	4	-	-	-	-	X	-	-	-	-	-	-	-	-	Cal Block: TBD
001200	RPV-16-683 Middle Shell to Lower Shell	VOL	4	-	-	-	-	X	-	-	-	-	-	-	-	-	Cal Block: TBD
Item Total (Scheduled/Completed):				0	/	0	2	/	0	0	/	0					
B1.21 CIRCUMFERENTIAL HEAD WELDS																	
001300	RPV-17-683 Lower Shell to Lower Head Ring	VOL	4	-	-	-	-	X	-	-	-	-	-	-	-	-	Cal Block: TBD
001400	RPV-18-683 Lower Head Ring to Lower Head	VOL	4	-	-	-	-	X	-	-	-	-	-	-	-	-	Cal Block: TBD
Item Total (Scheduled/Completed):				0	/	0	2	/	0	0	/	0					
B1.30 SHELL-TO-FLANGE WELD																	
001000	RPV-14-683 Shell to Flange	VOL	4	-	X	-	-	X	-	-	-	-	-	-	-	-	Cal Block: TBD
Item Total (Scheduled/Completed):				1	/	0	1	/	0	0	/	0					
B1.40 HEAD-TO-FLANGE WELD																	
004200	RPV-HFLANGE Head to Flange	SUR VOL	4	-	X	-	-	-	-	-	-	-	-	-	-	-	Cal Block: TBD
Item Total (Scheduled/Completed):				1	/	0	0	/	0	0	/	0					
Category Total (Scheduled/Completed):				2	/	0	5	/	0	0	/	0					

REVISION:

Section XI Plan Report
Fourth Interval

B-B PRESSURE RETAINING WELDS IN VESSELS OTHER TI

Summary Number	Examination Area Identification	Inspection Interval NDE Method	PLAN STATUS												Instructions / Cal Block	
			First Period				Second Period				Third Period					
			1	2	3	4	1	2	3	4	1	2	3	4		
-----OUTAGE-----																
B2.11	PRESSURIZER-CIRCUMFERENTIAL SHELL-TO-HEAD WELDS															
006100	PZR-Cweld-1 Upper Head to Upper Shell	VOL	4	-	-	-	-	-	-	-	-	X	-	-	-	Cal Block: TBD
006300	PZR-Cweld-3 Lower Shell to Lower Head	VOL	4	-	-	-	-	X	-	-	-	-	-	-	-	Cal Block: TBD
			Item Total (Scheduled/Completed):				0 / 0	1 / 0				1 / 0				
B2.12	PRESSURIZER-LONGITUDINAL SHELL-TO-HEAD WELDS															
006400	PZR-Vweld-1 Vertical Weld at 255 Deg	VOL	4	-	-	-	-	-	-	-	-	X	-	-	-	Cal Block: TBD
006500	PZR-Vweld-2 Vertical Weld at 285 Deg	VOL	4	-	-	-	-	X	-	-	-	-	-	-	-	Cal Block: TBD
			Item Total (Scheduled/Completed):				0 / 0	1 / 0				1 / 0				
B2.40	STEAM GENERATORS (PRIMARY SIDE)-TUBESHEET-TO-HEAD WELD															
007000	SG-A-LH-1-R1 Lower Head to Tubesheet	VOL	4	-	-	-	-	X	-	-	-	-	-	-	-	Cal Block: TBD
			Item Total (Scheduled/Completed):				0 / 0	1 / 0				0 / 0				
B2.51	HEAT EXCHANGERS (PRIMARY SIDE)-HEAD-CIRCUMFERENTIAL HEAD WELDS															
009000	RHE-01 Head to Shell	VOL	4	-	X	-	-	-	-	-	-	-	-	-	-	Cal Block: TBD
			Item Total (Scheduled/Completed):				1 / 0	0 / 0				0 / 0				
B2.80	HEAT EXCHANGERS (PRIMARY SIDE)-SHELL-TUBESHEET-TO-SHELL WELDS															
009100	RHE-02 Shell to Tubesheet	VOL	4	-	X	-	-	-	-	-	-	-	-	-	-	Cal Block: TBD
			Item Total (Scheduled/Completed):				1 / 0	0 / 0				0 / 0				
			Category Total (Scheduled/Completed):				2 / 0	3 / 0				2 / 0				

DATE: 03/29/2004

Demonstration Plant Database -- Unit 1

Page 1

REVISION:

Inservice Inspection Summary
Interval 4, Period 1, Outage 2 (U2R27)
Scheduled Components (X,P)

Reactor Pressure Vessel

Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	NDE Method	Procedure	Cal Block Size / Sch / Thickness Location	Instructions
001000	RPV-14-683 Shell to Flange	B-A B1.30	VOL	PBTP 096	Cal Block: 5-PTB Size: 132 Thickness: 9.16 Location: Containment RPV Cavity	Examine from the flange surface during the first period and from the shell side during the in-vessel automated examinations. Nat'l Board Number - 21009, Mfg. Ser. No. - C.E. 69101

DATE: 03/29/2004

Demonstration Plant Database -- Unit 1

Page 2

REVISION:

Inservice Inspection Summary
Interval 4, Period 1, Outage 2 (U2R27)
Scheduled Components (X,P)

Reactor Pressure Vessel Closure Head

Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	NDE Method	Procedure	Cal Block Size / Sch / Thickness Location	Instructions
004200	RPV-HFLANGE Head to Flange	B-A B1.40	SUR VOL	NDE-350 NDE-163	Cal Block: 11-PTB Size: 157.2 Thickness: 5.75 Location: Containment HLDA	
004800	RPV Threads in Flange Flange Threads 1 through 48	B-G-1 B6.40	VOL	NDE-165	Cal Block: 21-PTB Size: 6 Location: Containment RPV Cavity	Examine all flange threads in the first period.

REVISION:

Inservice Inspection Summary
Interval 4, Period 1, Outage 2 (U2R27)
Scheduled Components (X,P)

Regenerative Heat Exchanger HX-2

Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	NDE Method	Procedure	Cal Block Size / Sch / Thickness Location	Instructions
009000	RHE-01 Head to Shell	B-B B2.51	VOL	NDE-176	Cal Block: 61-PTB Location: Containment RHE Room	
009100	RHE-02 Shell to Tubesheet	B-B B2.80	VOL	NDE-176	Cal Block: 17-PTB Location: Containment RHE Room	
009600	RHE-N1 Inlet Nozzle to Shell	B-D B3.150	VOL	NDE-176	Cal Block: 61-PTB, 62-PTB Location: Containment RHE Room	
009700	RHE-N1-IRS RHE Nozzle Inside Radius Section	B-D B3.160	VOL	NDE-176	Cal Block: 61-PTB Location: Containment RHE Room	
009800	RHE-N4 Outlet Shell to Nozzle	B-D B3.150	VOL	NDE-176	Cal Block: 61-PTB, 62-PTB Location: Containment RHE Room	
009900	RHE-N4-IRS RHE Nozzle Inside Radius Section	B-D B3.160	VOL	NDE-176	Cal Block: 61-PTB Location: Containment RHE Room	
011200	RHE-Shell Support 1-6 Component Support	F-A F1.40B	VT-3	NDE-754	Location: Containment RHE Room	
011300	RHE-IWA-1 Welded Attachment Bottom Shell	B-K B10.10	SUR	NDE-451		Welded attachment consists of 3-1"x1" lugs, one each at 90, 180, and 270 degrees.

Reactor Coolant Pumps

Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	NDE Method	Procedure	Cal Block Size / Sch / Thickness Location	Instructions
014400	RCP-A-Case-INT Pump Internal Surfaces	B-L-2 B12.20	VT-3	NDE-754	Location: Containment RCP A C	Examine the interior surfaces of the pump if it is disassembled.
015400	RCP-B-Case-INT Pump Internal Surfaces	B-L-2 B12.20	VT-3	NDE-754	Location: Containment RCP B C	Examine the interior surfaces of the pump if it is disassembled.
016000	RCP A Flange Flange Surface when Disassembled	B-G-1 B6.190	VT-1	NDE-750	Size: 3.31 Thickness: 29.75 Location: Containment RCP A C	Examine when the connection has been disassembled or if the presence of borated water is detected.
017000	RCP B Flange Flange Surface when Disassembled	B-G-1 B6.190	VT-1	NDE-750	Size: 3.31 Thickness: 29.75 Location: Containment RCP B C	Examine when the connection has been disassembled or if the presence of borated water is detected.
017300	RCP B Seal Bolts 18 Seal Bolts	B-G-2 B7.60	VT-1	NDE-750	Location: Containment RCP B C	

Residual Heat Removal Suction

Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	NDE Method	Procedure	Cal Block Size / Sch / Thickness Location	Instructions
033300	Valve 2RH-700 10" Darling gate Valve Internal Surfaces	B-M-2 B12.50	VT-3	NDE-754	Size: 10 Location: Containment A-LOOP 40'9"	Group 2 Valve. Examine when disassembled.
033400	Valve 2RH-700 Bolting 10" Darling Gate Valve Bolting	B-G-2 B7.70	VT-1	NDE-750	Size: 10 Location: Containment A-LOOP 40'9"	Group 2 Valve. Examine when disassembled or during the second period, whichever is first.
034700	Valve 2RH-701 Valve Internal Surfaces	B-M-2 B12.50	VT-3	NDE-754	Size: 10 Location: Containment HLDA	Group 1 Valve. Examine when disassembled. 10" Velan Gate Valve
034800	Valve 2RH-701 Bolting Valve Bolting	B-G-2 B7.70	VT-1	NDE-750	Size: 10 Location: Containment HLDA	Group 1 Valve. Examine when disassembled or during the second period, whichever is first. 10" Velan Gate Valve

Safety Injection Loop B Injection

Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	NDE Method	Procedure	Cal Block Size / Sch / Thickness Location	Instructions
036000	Valve 2SI-842B 10" Darling Check Valve	B-M-2 B12.50	VT-3	NDE-754	Size: 10 Location: Containment HLDA	Group 3 Valve. Examine when disassembled.
036100	Valve 2SI-842B Bolting 10" Darling Check Valve Bolting	B-G-2 B7.70	VT-1	NDE-750	Size: 10 Location: Containment HLDA	Group 3 valve. Examine when disassembled or during the first period, whichever is first.
037700	Valve 2SI-867B Valve Internal Surfaces	B-M-2 B12.50	VT-3	NDE-754	Size: 10 Location: Containment RCP B Cubicle	10" Darling check valve. Examine when disassembled.
037800	Valve 2SI-867B Bolting Valve Bolting	B-G-2 B7.70	VT-1	NDE-750	Size: 1-5/8 Location: Containment RCP B Cubicle	Group 3 Valve. Examine when disassembled or during the first period, whichever is first. 10" Darling check valve.

DATE: 06/21/2004
REVISION:

Demonstration Plant Database -- Unit 1
NDE Method Counts - Scheduled Components
U2R27

<u>NDE Method</u>	<u>Class 1</u>	<u>Class 2</u>	<u>Class 3</u>	<u>Other</u>	<u>Exam Total</u>
UT	10	30			40
VT	2	1		3	6
VT-1	14		2		16
VT-2				10	10
VT-3	19	17	4		40
TOTALS:	45	48	6	13	112

DATE: 06/21/2004
REVISION:

Demonstration Plant Database -- Unit 1
NDE Method Counts - Completed Components
U2R23

<u>NDE Method</u>	<u>Class 1</u>	<u>Class 2</u>	<u>Class 3</u>	<u>Other</u>	<u>Exam Total</u>
UT	38	13			51
VT	20	5			25
VT-1	5				5
VT-3	12	6	2		20
TOTALS:	75	24	2	0	101

DATE: 06/21/2004
OUTAGE: U2R27

Demonstration Plant Database -- Unit 1
Outage Exam Tracking Report

DRAWING No: ISI-2107

Regenerative Heat Exchanger

ZONE No:

COMPONENT	PREPARATION Initial / Date	EXAM COMPLETE Initial / Date	RESTORATION Initial / Date
Summary No. 204000 NDE Method VOL Comp. ID RHE-03 Cal Block 17-PTB Description Shell to Tubesheet	<input type="text"/>	<input type="text"/>	<input type="text"/>
	SCAFFOLD _____	INSULATION _____	SURFACE PREP _____
Summary No. 204100 NDE Method VOL Comp. ID RHE-04 Cal Block 17-PTB Description Shell to Head	<input type="text"/>	<input type="text"/>	<input type="text"/>
	SCAFFOLD _____	INSULATION _____	SURFACE PREP _____
Summary No. 009000 NDE Method VOL Comp. ID RHE-01 Cal Block 61-PTB Description Head to Shell	<input type="text"/>	<input type="text"/>	<input type="text"/>
	SCAFFOLD _____	INSULATION _____	SURFACE PREP _____
Summary No. 009100 NDE Method VOL Comp. ID RHE-02 Cal Block 17-PTB Description Shell to Tubesheet	<input type="text"/>	<input type="text"/>	<input type="text"/>
	SCAFFOLD _____	INSULATION _____	SURFACE PREP _____
Summary No. 009600 NDE Method VOL Comp. ID RHE-N1 Cal Block 61-PTB, 62-PTB Description Inlet Nozzle to Shell	<input type="text"/>	<input type="text"/>	<input type="text"/>
	SCAFFOLD _____	INSULATION _____	SURFACE PREP _____
Summary No. 009700 NDE Method VOL Comp. ID RHE-N1-IRS Cal Block 61-PTB Description RHE Nozzle Inside Radius Section	<input type="text"/>	<input type="text"/>	<input type="text"/>
	SCAFFOLD _____	INSULATION _____	SURFACE PREP _____

**Demonstration Plant Database -- Unit 1
ISI Outage Status Report**

DATE: 06/22/2004

Exam ID Bldg / Elev Azimuth / Zone	Description	Exam Method	Exam Preparation / Recovery			Dates	Drawings	Remarks/ Comments
			Scaffold Erected/ Removed	Insulation Erected/ Removed	Preclean Weld	Target Performed Reviewed		
Valve 2SI-867A Containment 37'11"	Internal Surfaces Loop:	VT-3	--	REQ	--	U2R27	ISI-2126 P-237	Group 3 Valve. Examine when disassembled. 10" Darling check valve.
Valve 2SI-867A Bolting Containment 37'11"	Bonnet Bolting Loop:	VT-1	--	REQ	--	U2R27	ISI-2126 P-237	Group 3 Valve. Examine when disassembled or during the first period, whichever is first. 10" Darling Check Valve
Valve 2SI-853B Containment 23'0"	Internal Surfaces Loop:	VT-3	--	REQ	--	U2R27	ISI-2128 P-236	Group 4 Valve. Examine when disassembled. 6" Velan gate valve.
Valve 2SI-853B Bolting Containment 23'0"	Bonnet Bolting Loop:	VT-1	--	REQ	--	U2R27	ISI-2128 P-236	Group 4 Valve. Examine when disassembled or during the first period, whichever is first. 6" Velan gate valve.
SI-2501R-5-2SI-10 Containment 33'9"	Rigid Support Loop:	VT-3	--	REQ	--	U2R27	ISI-2128 P-236	This support is the same as SI-2501R-5-2SI-10 on drawing ISI-2129.
SI-2501R-5-2SI-10 Containment 33'9"	Rigid Support Loop:	VT-3	--	--	--	U2R27	ISI-2129 P-236	This support is the same as SI-2501R-5-2SI-10 on drawing ISI-2128.
AC-06-SI-2001-18 Containment 36'3"	Pipe to Valve 2SI-853D Loop:	VOL	--	REQ	--	U2R27	ISI-2129 P-236	
Valve 2SI-853D Containment 36'3"	Internal Surfaces Loop:	VT-3	--	REQ	--	U2R27	ISI-2129 P-236	Group 4 Valve. Examine when disassembled. 6" Velan gate valve.

Reactor Pressure Vessel

Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	Status	Method	Procedure	N I O O N G T R S E H E I O E C G M R				Remarks
001000	RPV-14-683 Shell to Flange	B-A B1.30	C	UT 45	001060	X	-	-	-	1/29/1999 - UT complete. No recordable indications. 1/2/1999 - UT complete. No recordable indications. Examined as RPV-14-683-A (0 to 180 degrees) and RPV-14-683-B (180 to 360 degrees).
				UT 45T	AND	X	-	-	-	
				UT 55	001070	X	-	-	-	
				UT 55T		X	-	-	-	
				SLIC 40		X	-	-	-	
				SLIC 40T		X	-	-	-	
				UT 5		X	-	-	-	
				UT 11		X	-	-	-	
UT 16		X	-	-	-					
001100	RPV-15-683 Upper Shell to Middle Shell	B-A B1.11	C	UT 0L	001000	X	-	-	-	1/1/1999 - UT complete. One geometric reflector from the support lug.
				UT 55		-	-	X	-	
				UT 55T		X	-	-	-	
				SLIC 40		X	-	-	-	
				SLIC 40T		X	-	-	-	
001200	RPV-16-683 Middle Shell to Lower Shell	B-A B1.11	C	UT 0L	001010	X	-	-	-	1/1/1999 - UT complete. No recordable indications.
				UT 55		X	-	-	-	
				UT 55T		X	-	-	-	
				SLIC 40		X	-	-	-	
				SLIC 40T		X	-	-	-	
001300	RPV-17-683 Lower Shell to Lower Head Ring	B-A B1.21	L	UT 0	001040	X	-	-	-	1/2/1999 - UT complete. No recordable indications. 82% coverage obtained.
				UT 45		X	-	-	-	
				UT 45T		X	-	-	-	
				UT 55		X	-	-	-	
				UT 55T		X	-	-	-	
				SLIC 40		X	-	-	-	
				SLIC 40T		X	-	-	-	
001400	RPV-18-683 Lower Head Ring to Lower Head	B-A B1.21	C	UT 0L	001050	X	-	-	-	1/2/1999 - Ut complete. No recordable indications.
				UT 55		X	-	-	-	
				UT 55T		X	-	-	-	
				SLIC 40		X	-	-	-	
				SLIC 40T		X	-	-	-	
001500	RPV-02-686-A Outlet Nozzle at 28.5 Deg	B-D B3.90	L	UT 0	001080	X	-	-	-	1/29/1999 - UT complete. No recordable indications. Transverse examination limited due to the proximity of nozzle integral extensions. 63% coverage obtained.
				UT 15		X	-	-	-	
				UT 45		X	-	-	-	
				UT 55T		X	-	-	-	
				SLIC 40T		X	-	-	-	
001700	RPV-02-686-A-IRS Outlet Nozzle Inside Radius at 28.5 Deg	B-D B3.100	C	SLIC 40	001140	X	-	-	-	12/26/1998 - UT complete. No recordable indications.
001800	RPV-02-686-B Inlet Nozzle at 148.5 Deg	B-D B3.90	C	UT 0	001100	X	-	-	-	1/29/1999 - UT complete. No recordable indications.
				UT 15		X	-	-	-	
				UT 45		X	-	-	-	
				UT 55T		X	-	-	-	
				SLIC 40T		X	-	-	-	

Reactor Pressure Vessel

Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	Status		Procedure	N O R E C	I N S I G M	G E O M	T H E R	Remarks
			Method							
001900	RPV-02-686-B-IRS Inlet Nozzle Inside Radius at 148.5 Deg	B-D B3.100	C	SLIC 40	001160	X	-	-	-	12/26/1998 - UT complete. No recordable indications.
002000	RPV-02-686-C Outlet Nozzle at 208.5 Deg	B-D B3.90	L	UT 0 UT 15 UT 45 UT 55T SLIC 40T	001090	X X X X X	- - - - -	- - - - -	- - - - -	1/29/1999 - UT complete. No recordable indications. Transverse examination limited due to the proximity of nozzle integral extensions. 63% coverage obtained.
002200	RPV-02-686-C-IRS Outlet Nozzle Inside Radius at 208.5 Deg	B-D B3.100	C	SLIC 40	001150	X	-	-	-	12/26/1998 - UT complete. No recordable indications.
002300	RPV-02-686-D Inlet Nozzle at 328.5 Deg	B-D B3.90	C	UT 0 UT15 UT 45 UT 55T SLIC 40T	001110	X X X X X	- - - - -	- - - - -	- - - - -	1/29/1999 - UT complete. No recordable indications.
002400	RPV-02-686-D-IRS Inlet Nozzle Inside Radius at 328.5 Deg	B-D B3.100	C	SLIC 40	001170	X	-	-	-	12/26/1998 - UT complete. No recordable indications.
002500	RPV-687-01-A SI Nozzle at 288.5 Deg	B-D B3.90	L	UT 37 UT 43 UT 43RL RESOLUT 310004 CNF PTB005	001120	X - - - -	- - - - -	- - - - -	- - - - -	1/2/1999 - UT complete. Two indications noted. Both allowable in accordance with Table IWB-3512 of 1986 Section XI. Transverse examination limited due to the proximity of nozzle integral extensions. 69% coverage obtained.
002700	RPV-687-01-A-IRS SI Nozzle Inside Radius at 288.5 Deg	B-D B3.100	C	UT 60	001180	X	-	-	-	12/26/1998 - UT complete. No recordable indications.
002800	RPV-687-01-B SI Nozzle at 108.5 Deg	B-D B3.90	L	UT 0 UT 10 UT 0FB UT 55T SLIC 40T RESOLUT 310001 CNF PTB002	001130	- - - X X - -	- - - - - - -	- - - - - - -	- - - - - - -	1/1/1999 - UT complete. Seven indications noted. All allowable in accordance with Table IWB-3512 of 1986 Section XI. Transverse examination limited due to the proximity of integral extensions. 69% coverage obtained.
003000	RPV-687-01-B-IRS SI Nozzle Inside Radius at 108.5 Deg	B-D B3.100	C	UT 60	001190	X	-	-	-	12/26/1998 - UT complete. No recordable indications.
003300	RPV-MK-7-1 Core Support Guide at 0 Deg	B-N-2 B13.60	C	VT-3	001600	X	-	-	-	1/1/1999 - VT-3 complete. No recordable indications. microfilm 002-0174
003400	RPV-MK-7-2 Core Support Guide at 90 Deg	B-N-2 B13.60	C	VT-3	001610	X	-	-	-	1/1/1999 - VT-3 complete. No recordable indications. microfilm 002-0178

Reactor Pressure Vessel

Summary Number	Examination Area Identification	ASME Sec XI Categ Item No	Status		Procedure	N O R E C	I N S I G	G E O M	O T H E R	Remarks
			Method							
003500	RPV-MK-7-3 Core Support Guide at 180 Deg	B-N-2 B13.60	C	VT-3	001620	X	-	-	-	1/1/1999 - VT-3 complete. No recordable indications. microfilm 002-0181
003600	RPV-MK-7-4 Core Support Guide at 270 Deg	B-N-2 B13.60	C	VT-3	001630	X	-	-	-	1/1/1999 - VT-3 complete. No recordable indications. microfilm 002-0184
003700	RPV Core Support Structure Core Support Structure	B-N-3 B13.70	C	VT-3	001700	X	-	-	-	1/1/1999 - VT-3 complete. No recordable indications. microfilm 002-0187
003900	RPV Interior Surface Vessel Interior Surfaces	B-N-1 B13.10	C	VT-3 CNF	001500 PTB0001	-	-	-	X	1/1/1999 - VT-3 complete. Paint chips, plastic wire coating, wire, and metal bracket found. Bracket removed from vessel. Debris located and subsequently removed by remotely operated vehicle.

DATE: 06/21/2004

REVISION:

Demonstration Plant Database -- Unit 1
Incomplete Inservice Examinations Scheduled
Interval 4, Period 1, Outage 2 (U2R27)
Scheduled Components (X,P)

Number Summary	Component ID	Examination Area Identification	NDE Methods	Cal Block
Code Category: B-G-2				
Item No: B7.60				
017300	RCP B Seal Bolts	18 Seal Bolts	VT-1	
Item No: B7.70				
033400	Valve 2RH-700 Bolting	10" Darling Gate Valve Bolting	VT-1	
034800	Valve 2RH-701 Bolting	Valve Bolting	VT-1	
036100	Valve 2SI-842B Bolting	10" Darling Check Valve Bolting	VT-1	
037800	Valve 2SI-867B Bolting	Valve Bolting	VT-1	
039100	Valve 2RH-720 Bolting	Valve Bolting	VT-1	
041100	Valve 2SI-842A Bolting	Bonnet Bolting	VT-1	
043400	Valve 2SI-867A Bolting	Bonnet Bolting	VT-1	
046100	Valve 2SI-853B Bolting	Bonnet Bolting	VT-1	
050100	Valve 2SI-853D Bolting	Bonnet Bolting	VT-1	
052100	Valve 2SI-853A Bolting	Bonnet Bolting	VT-1	
055100	Valve 2SI-853C Bolting	Bonnet Bolting	VT-1	

DATE: 06/21/2004

REVISION:

Demonstration Plant Database -- Unit 1
Incomplete Inservice Examinations Scheduled
Interval 4, Period 1, Outage 2 (U2R27)
Scheduled Components (X,P)

Page 3

Class 1 Reactor Coolant Pumps

Summary Number	ASME Sec XI Categ	ASME Sec XI Item No	Examination Area Identification	ISO No	NDE Method
Pump A					
014400	B-L-2	B12.20	Pump Internal Surfaces	ISI-2109	VT-3
016000	B-G-1	B6.190	Flange Surface when Disassembled	ISI-2110	VT-1

Pump B					
015400	B-L-2	B12.20	Pump Internal Surfaces	ISI-2109	VT-3
017300	B-G-2	B7.60	18 Seal Bolts	ISI-2110	VT-1
017000	B-G-1	B6.190	Flange Surface when Disassembled	ISI-2110	VT-1

DATE: 06/21/2004

REVISION:

Demonstration Plant Database -- Unit 1
Exam History Summary

Reactor Pressure Vessel Closure Head
R-1 ISI-2103

Summary Number	Examination Area Identification	NDE Method	Outage	Exam Method	Procedure	N I O O N G T R S E H E I O E C G M R				Remarks	
004500	RPV Closure Head Studs Studs 1 thru 48	VOL	(2,2,4)	UT	98U2-169P004	X	-	-	-	12/16/1998 - UT complete. No recordable indications on studs 17-32.	
				U2R20	MT	94U2-350P010	X	-	-	-	10/12/1994 - MT complete. No recordable indications. Examined studs 1 through 16. Geometric indications on stud 10. Geometric reflector at the 1st thread - acceptable as is. 10/6/1994 - VT-1 complete. Geometric indication noted. Examined stud 10 only. Examined as RPV-STUD-01 thru 16.
					UT	94U2-160P001	X	-	-	-	
					UT	94U2-160P011	-	-	X	-	
					UT	94U2-161P012	X	-	-	-	
					VT-1	94U2-755P002	-	-	-	X	
			U2R25	UT 0	169-0001	X	-	-	-	4/20/2002 - UT performed, no recordable indications. Examined studs 33 through 48.	
			U2R26	UT 0	169-0001	X	-	-	-	10/3/2003 - UT performed, no recordable indications. Examined studs 1 through 16.	
			U2R28	VOL	NDE-169	-	-	-	-		

DATE: 06/21/2004

REVISION:

Demonstration Plant Database -- Unit 1
Exam History Summary

Reactor Pressure Vessel Closure Head

R-1 ISI-2103

Summary Number	Examination Area Identification	NDE Method	Outage	Exam Method	Procedure	N I O O N G T R S E H E I O E C G M R				Remarks
004600	RPV Closure Head Nuts Nuts 1 thru 48	VT-1	U2R20	MT	94U2-350P009	X	-	-	-	10/12/1994 - MT performed, no recordable indications. Examined nuts 1 through 16 as RPV-NUT-01 thru 16.
			U2R25	VT-1	750-0001	X	-	-	-	4/22/2002 - VT-1 performed, no recordable indications. Examined nuts 17 through 48.
			U2R26	VT-1	750-0002	X	-	-	X	10/12/2003 - VT-1 performed, no recordable indications. Examined nuts 1 through 16.
			U2R28	VT-1	NDE-750	-	-	-	-	

Eye Exam	Method	Status	Recent Hours	Expires Comp. Grd.	-----Test Dates / Grades-----					Last HoT HoT Exp.
					General	Specific	Practical	Basic	Demo	
Last: 03/26/2004	PT Level II	Suspended	7.9	01/13/2007	02/02/2004	01/13/2004	02/02/2004			
Due: 03/26/2005				81 %	80 %	89 %	74 %			
	MT Level II	Current	49	06/01/2004	01/30/2004	12/04/2003	12/21/2003			
				84 %	73 %	87 %	92 %			
	RT Level III	Current	6	05/23/2004	11/28/2003	02/26/2004	01/12/2004	11/25/2003	01/04/2004	
				90 %	82 %	90 %	84 %	98 %	95 %	
	ET Level II	Current	9	06/18/2004	02/23/2004	12/21/2003	12/30/2003			
				88 %	88 %	87 %	88 %			
	UT Level II	Current	7	06/03/2004	02/08/2004	02/23/2004	12/06/2003			01/14/2004
				88 %	84 %	93 %	87 %			07/14/2004

PDI Qualifications

-
- Bolting (Head Shot)
 - Bolting (Bore Probe)
 - Carbon Steel Piping (Through-wall Sizing)

Demonstration Plant Database
Eye Examination Schedule
Due Date is within calendar year 2004

<u>Examiner</u>	<u>Employee ID</u>	<u>Last Eye Examination</u>	<u>Next Eye Exam Due</u>
Donald B McMillan	9658	02/19/2003	<u>02/19/2004</u>
Daniel D. VanDorn	3243	11/23/2003	11/22/2004
Craig H. Rudd	6653	11/26/2003	11/25/2004
Anthony V. Novello	7793	11/29/2003	11/28/2004
Keith Nichols	7526	11/30/2003	11/29/2004
Daniel Kyper	7337	12/05/2003	12/04/2004
Michael T. Shields	9620	12/27/2003	12/26/2004
Wilfredo Padilla	8693	01/01/2004	12/31/2004
Kenneth W. Kemp	9648	01/01/2004	12/31/2004