

**Table 3.1.2-1 Reactor Coolant System - Primary Coolant System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Alloy 600 Cladding	Shelter / Protection	Alloy 600/690	Treated Water (Int)	Cracking	Alloy 600 Program	IV.D1.1-i	3.1.1-44	C			
					Water Chemistry Program	IV.D1.1-i	3.1.1-44	C			
Alloy 600 Safe Ends	Fluid Pressure Boundary	Alloy 600/690	Treated Water (Int)	Cracking	Alloy 600 Program	IV.C2.2-f	3.1.1-36	A, 123			
						IV.C2.5-h	3.1.1-36	A			
					Water Chemistry Program	IV.C2.2-f	3.1.1-36	A, 123			
						IV.C2.5-h	3.1.1-36	A			
Alloy 600 Thermal Sleeves	Shelter / Protection	Alloy 600/690	Treated Water (Ext)	Cracking	Alloy 600 Program	IV.C2.5-k	3.1.1-14	C, 124			
					Water Chemistry Program	IV.C2.5-k	3.1.1-14	C, 124			
Bolting and Fasteners	Fluid Pressure Boundary	Low Alloy Steel	Containment Air (Ext)	Loss of Preload	Bolting Integrity Program	IV.C2.4-g	3.1.1-27	101, A			

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				Loss of Material	Bolting Integrity Program			F			
					Boric Acid Corrosion Program	IV.C2.1-d	3.1.1-39	C			
						IV.C2.2-d	3.1.1-39	C			
			Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program	IV.C2.4-g	3.1.1-27	A			
				Loss of Material	Bolting Integrity Program			F			
					Boric Acid Corrosion Program	IV.C2.1-d	3.1.1-39	C			
						IV.C2.2-d	3.1.1-39	C			
Carbon Steel Nozzles	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.C2.2-d	3.1.1-38	C			
Carbon Steel Pipe (30" and 42")	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.C2.1-d	3.1.1-38	A			

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Flow Element (PCP Controlled Bleed)	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.2-f	3.1.1-36	C			
					Water Chemistry Program	IV.C2.2-f	3.1.1-36	C			
Non-CASS Valves in PCS and Connected Systems	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.2-f	3.1.1-36	C			
					Water Chemistry Program	IV.C2.2-f	3.1.1-36	C			
						IV.C2.2-f	3.1.1-36	C			
PCS Spray and Drain Nozzles	Fluid Pressure Boundary	Alloy 600/690	Treated Water (Int)	Cracking	Alloy 600 Program	IV.C2.5-k	3.1.1-14	C			
						IV.C2.5-s	3.1.1-14	C			
					Water Chemistry Program	IV.C2.5-k	3.1.1-14	C			
						IV.C2.5-s	3.1.1-14	C			

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PORV Isolation, Quench Tank Spray Manual Valves	Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.4-b	3.1.1-36	A			
					Water Chemistry Program	IV.C2.4-b	3.1.1-36	A			
PORV Isolation Valves	Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Reduction of Fracture Toughness	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.4-c	3.1.1-23	A			
Pressurizer Alloy 600 Instrument Penetrations	Fluid Pressure Boundary	Alloy 600/690	Treated Water (Int)	Cracking	Alloy 600 Program	IV.C2.5-k	3.1.1-14	A			
					Water Chemistry Program	IV.C2.5-k	3.1.1-14	A			
Pressurizer Heater Sleeves	Fluid Pressure Boundary	Alloy 600/690	Treated Water (Int)	Cracking	Alloy 600 Program	IV.C2.5-s	3.1.1-14	A			
					Water Chemistry Program	IV.C2.5-s	3.1.1-14	A			

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Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Pressurizer Heaters	Fluid Pressure Boundary	Alloy 600/690	Treated Water (Int)	Cracking	Alloy 600 Program	IV.C2.5-s	3.1.1-14	A			
					Water Chemistry Program	IV.C2.5-s	3.1.1-14	A			
Pressurizer Integral Support Weld	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.5-v	3.1.1-41	A			
				Loss of Material	Boric Acid Corrosion Program	IV.C2.5-u	3.1.1-38	A			
Pressurizer Manway and Flange Bolting	Fluid Pressure Boundary	Low Alloy Steel	Containment Air (Ext), Borated Water or Steam Leakage	Loss of Material	Boric Acid Corrosion Program	IV.C2.5-o	3.1.1-38	A			
			Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.C2.5-o	3.1.1-38	A			
				Loss of Preload	Bolting Integrity Program	IV.C2.5-p	3.1.1-26	101, A			

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<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Pressurizer Manway and Flanges	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext), Borated Water or Steam Leakage	Loss of Material	Boric Acid Corrosion Program	IV.C2.5-o	3.1.1-38	A			
Pressurizer Quench Tank	Fluid Pressure Boundary	Epoxy Coated Carbon Steel	Containment Air (Ext)	Loss of Material	System Monitoring Program	IV.C2.6-b	3.1.1-38	E			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program			F			
Pressurizer Quench Tank Shell and Heads	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.C2.6-b	3.1.1-38	A			
Pressurizer Spray Head	Spray Pattern	Alloy 600/690	Treated Water (Int)	Cracking	One-Time Inspection Program	IV.C2.5-j	3.1.1-12	A			
					Water Chemistry Program	IV.C2.5-j	3.1.1-12	A			
Primary Coolant Pump Casing	Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.3-b	3.1.1-36	A			

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Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Water Chemistry Program	IV.C2.3-b	3.1.1-36	A			
				Reduction of Fracture Toughness	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.3-c	3.1.1-23	A			
Primary Coolant Pump Closure Bolting	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Preload	Bolting Integrity Program	IV.C2.3-g	3.1.1-27	101, A			
				Loss of Material	Boric Acid Corrosion Program	IV.C2.3-f	3.1.1-39	A			
Primary Coolant Sample Heat Exchanger Shell	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.C2.2-d	3.1.1-38	A			
					System Monitoring Program	VII.I.1-b	3.1.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	V.D1.5-a	3.1.1-13	C			

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<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Reactor Head Vent	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.1-g	3.1.1-07	C			
					Water Chemistry Program	IV.C2.1-g	3.1.1-07	C			
Reactor Head Vent Orifice	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.1-g	3.1.1-07	A			
					Water Chemistry Program	IV.C2.1-g	3.1.1-07	A			
Sample Point (Quench Tank Liquid, Loop 2 Hot Leg, Pressurizer Surge Line)	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.1-g	3.1.1-07	C			
						IV.C2.2-h	3.1.1-07	C			
					Water Chemistry Program	IV.C2.1-g	3.1.1-07	C			
						IV.C2.2-h	3.1.1-07	C			



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Small Bore Stainless Steel Pipe (PCS and Connected Systems)	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.1-g	3.1.1-07	A			
SS Cladding	Shelter/ Protection	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.2-h	3.1.1-07	A			
						Water Chemistry Program	IV.C2.1-g	3.1.1-07	A		
							IV.C2.2-h	3.1.1-07	A		
							IV.C2.1-c	3.1.1-36	A		
							IV.C2.5-c	3.1.1-36	A		
							IV.C2.5-g	3.1.1-36	A		
							IV.C2.5-h	3.1.1-36	A		
							IV.C2.5-m	3.1.1-36	A		

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Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Water Chemistry Program	IV.C2.1-c	3.1.1-36	A			
						IV.C2.5-c	3.1.1-36	A			
						IV.C2.5-g	3.1.1-36	A			
						IV.C2.5-h	3.1.1-36	A			
						IV.C2.5-m	3.1.1-36	A			
Stainless Steel Pipe (PCS and Connected Systems)	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.1-c	3.1.1-36	A			
						IV.C2.2-f	3.1.1-36	A			
					Water Chemistry Program	IV.C2.1-c	3.1.1-36	A			
						IV.C2.2-f	3.1.1-36	A			

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Stainless Steel Safe Ends (Pressurizer and Connected Systems)	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.2-f	3.1.1-36	A			
Stainless Steel Thermal Sleeves	Shelter / Protection	Stainless Steel	Treated Water (Ext)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.5-h	3.1.1-36	A			
			Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.5-h	3.1.1-36	C			

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Stainless Steel Tubing	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.2-f	3.1.1-36	A			
					Water Chemistry Program	IV.C2.2-f	3.1.1-36	A			
Vessels, Pressure (Pressurizer)	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.C2.5-b	3.1.1-38	A			



**Table 3.1.2-2 Reactor Coolant System - Reactor Vessel - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
CRDM Upper Pressure Housing & Flange	Pressure Boundary/ Fission Product Retention	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.A2.2-b	3.1.1-36	A			
					Water Chemistry Program	IV.A2.2-b	3.1.1-36	A			
CRDM/Incore Instrument Bolting	Pressure Boundary/ Fission Product Retention	Stainless Steel	Containment Air (Ext)	Loss of Material	Bolting Integrity Program	IV.A2.2-f	3.1.1-26	A			
				Loss of Preload	Bolting Integrity Program	IV.A2.2-g	3.1.1-26	101, A			
				Cracking	Bolting Integrity Program	IV.A2.2-e	3.1.1-26	A			
Incore Instrument Closure Flanges	Pressure Boundary/ Fission Product Retention	Stainless Steel	Containment Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.A2.2-f	3.1.1-26	C			

**Table 3.1.2-2 Reactor Coolant System - Reactor Vessel - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.A2.2-b	3.1.1-36	C			
					Water Chemistry Program	IV.A2.2-b	3.1.1-36	C			
Internal SS Cladding	Pressure Boundary/ Fission Product Retention	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.A2.4-b	3.1.1-36	C			
					Water Chemistry Program	IV.A2.4-b	3.1.1-36	C			
Reactor Vessel Column Support	Component Structural Support	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.A2.8-b	3.1.1-38	119, 122, A			
Reactor Vessel Bottom Head	Pressure Boundary/ Fission Product Retention	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.A2.5-e	3.1.1-38	C			

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Reactor Vessel Closure Head	Component Structural Support Pressure Boundary/ Fission Product Retention	Carbon Steel	Containment Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.A2.5-f	3.1.1-40	C			
					Boric Acid Corrosion Program	IV.A2.1-a	3.1.1-38	A			
Reactor Vessel Closure Head Lifting Lugs	Component Structural Support	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.A2.1-a	3.1.1-38	C			
Reactor Vessel Core Stabilizer Lugs	Structure Functional Support	Nickel-Based Alloys	Treated Water (Ext)	Cracking	Water Chemistry Program	IV.A2.6-a	3.1.1-12	A			
					Reactor Vessel Internals Inspection Program	IV.A2.6-a	3.1.1-12	A			
				Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program			110, H			



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<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Reactor Vessel CRDM Nozzles	Structure Functional Support Pressure Boundary/ Fission Product Retention	Nickel-Based Alloys	Treated Water (Int)	Cracking	Alloy 600 Program	IV.A2.2-a	3.1.1-35	A			
					Water Chemistry Program	IV.A2.2-a	3.1.1-35	A			
Reactor Vessel Flow Skirt	Reduce Flow Inequalities	Nickel-Based Alloys	Treated Water (Ext)	Cracking	Water Chemistry Program	IV.A2.6-a	3.1.1-12	E			
					Reactor Vessel Internals Inspection Program	IV.A2.6-a	3.1.1-12	A			
Reactor Vessel Head O-ring Leakage Monitoring	Pressure Boundary/ Fission Product Retention	Nickel-Based Alloys	Treated Water (Int)	Cracking	Alloy 600 Program	IV.A2.1-f	3.1.1-12	A			

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Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Reactor Vessel Head Vent Nozzle	Pressure Boundary/ Fission Product Retention	Nickel-Based Alloys	Treated Water (Int)	Cracking	Alloy 600 Program	IV.A2.7-b	3.1.1-35	A			
					Water Chemistry Program	IV.A2.7-b	3.1.1-35	A			
Reactor Vessel Incore Instrument Nozzles	Pressure Boundary/ Fission Product Retention	Nickel-Based Alloys	Treated Water (Int)	Cracking	Alloy 600 Program	IV.A2.7-b	3.1.1-35	121, A			
					Water Chemistry Program	IV.A2.7-b	3.1.1-35	A			
Reactor Vessel Intermediate Shell	Pressure Boundary/ Fission Product Retention	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.A2.5-e	3.1.1-38	C			
				Reduction in Fracture Toughness	Reactor Vessel Integrity Surveillance Program	IV.A2.5-c	3.1.1-05	109, A			

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Reactor Vessel Lower Shell	Pressure Boundary/ Fission Product Retention	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.A2.5-e	3.1.1-38	C			
				Reduction in Fracture Toughness	Reactor Vessel Integrity Surveillance Program	IV.A2.5-c	3.1.1-05	109, A			
Reactor Vessel Nozzle Safe Ends	Pressure Boundary/ Fission Product Retention	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.A2.5-e	3.1.1-38	C			
Reactor Vessel Primary Coolant Nozzles	Pressure Boundary/ Fission Product Retention  Structure Functional Support	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.A2.5-e	3.1.1-38	C			

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Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Reactor Vessel Seal Ledge Ring	Pressure Boundary/ Fission Product Retention	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.A2.5-e	3.1.1-38	C			
Reactor Vessel Stop Lugs	Prevent Core Displacement	Nickel-Based Alloys	Treated Water (Ext)	Cracking	Water Chemistry Program	IV.A2.6-a	3.1.1-12	A			
					Reactor Vessel Internals Inspection Program	IV.A2.6-a	3.1.1-12	A			
Reactor Vessel Studs, Nuts, Washers	Pressure Boundary/ Fission Product Retention	Carbon Steel	Containment Air (Ext)	Crack Initiation and Growth	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.A2.1-c	3.1.1-22	A			
				Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.A2.1-d	3.1.1-47	C			
					Boric Acid Corrosion Program	IV.A2.1-a	3.1.1-38	A			

<b>Table 3.1.2-2 Reactor Coolant System - Reactor Vessel - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Reactor Vessel Surveillance Capsule Holder	Structure Functional Support	Nickel-Based Alloys	Treated Water (Ext)	Cracking	Reactor Vessel Internals Inspection Program	IV.A2.6-a	3.1.1-12	A			
					Water Chemistry Program	IV.A2.6-a	3.1.1-12	C			
Reactor Vessel Upper Shell	Pressure Boundary/ Fission Product Retention	Carbon Steel	Containment Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.A2.5-f	3.1.1-40	A			
					Boric Acid Corrosion Program	IV.A2.5-e	3.1.1-38	A			
Reactor Vessel Upper Shell Flange	Pressure Boundary/ Fission Product Retention	Carbon Steel	Containment Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.A2.5-f	3.1.1-40	A			
					Boric Acid Corrosion Program	IV.A2.5-e	3.1.1-38	A			

<b>Table 3.1.2-2 Reactor Coolant System - Reactor Vessel - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Under Head CRDM Support	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.A2.2-b	3.1.1-36	C			
					Water Chemistry Program	IV.A2.2-b	3.1.1-36	C			



<b>Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
<b>Control Rod Shroud Assembly = IV.B3.2 - CEA Shroud Assemblies</b>											
Control Rod Shroud	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.2-c	3.1.1-11	A, 113			
Control Rod Shroud, Shroud Top Support, Shroud Support Lug	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Cracking	Reactor Vessel Internals Inspection Program	IV.B3.2-a	3.1.1-45	A			
					Water Chemistry Program	IV.B3.2-a	3.1.1-45	A			
Control Rod Support Lug, Fuel Guide Pin, Fuel Guide Pin Nuts	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.2-c	3.1.1-11	A, 113			



<b>Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Fuel Guide Pin, Fuel Guide Pin Nuts	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Cracking	Reactor Vessel Internals Inspection Program	IV.B3.2-b	3.1.1-45	A			
					Water Chemistry Program	IV.B3.2-b	3.1.1-45	A			
Fuel Guide Pin, Fuel Guide Pin Nuts, Fuel Plate Cap Screw	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Loss of Preload	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	V.B3.2-g	3.1.1-48	101, A			
<b>Core Shroud Assembly = IV.B3.4 - Core Shroud Assembly</b>											
Anchor Block, Centering Plate, Core Shroud Plate	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.4-b	3.1.1-11	A, 113			
				Cracking	Reactor Vessel Internals Inspection Program	IV.B3.4-a	3.1.1-45	A			

**Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Water Chemistry Program	IV.B3.4-a	3.1.1-45	A			
				Reduction in Fracture Toughness	Reactor Vessel Internals Inspection Program	IV.B3.4-c	3.1.1-43	A, 113			
Anchor Screw & Pin, Centering Screw & Pin, Positioning Screw, Shroud Bolt & Pin	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Cracking	Reactor Vessel Internals Inspection Program	IV.B3.4-e	3.1.1-45	A			
					Water Chemistry Program	IV.B3.4-e	3.1.1-45	A			
				Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.4-f	3.1.1-11	A, 113			
				Reduction in Fracture Toughness	Reactor Vessel Internals Inspection Program	IV.B3.4-g	3.1.1-43	A, 113			
				Loss of Preload	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.B3.4-h	3.1.1-48	101, A			

**Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
<b>Core Support Barrel Assembly = IV.B3.3 - Core Support Barrel Assembly</b>											
Core Support Barrel	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Cracking	Reactor Vessel Internals Inspection Program	IV.B3.3-a	3.1.1-45	A			
					Water Chemistry Program	IV.B3.3-a	3.1.1-45	A			
Core Support Barrel Integral Upper Flange	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Cracking	Reactor Vessel Internals Inspection Program	IV.B3.3-a	3.1.1-45	A			
					Water Chemistry Program	IV.B3.3-a	3.1.1-45	A, 113			
				Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.3-b	3.1.1-11	A, 113			

<b>Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
<b>Incore Instrument Guide Tube (This group of components is not addressed in GALL IV.B3)</b>											
Guide Tube Plug Screw	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Loss of Preload	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.B3.2-g	3.1.1-48	E, 103			
Instrument Guide Tube, Guide Tube Bracket	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.B3.1-c	3.1.1-40	C			

**Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Instrument Guide Tube, Guide Tube Bracket, Guide Tube Plugs, Guide Tube Plug Screw, Guide Tube Support	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.1-b	3.1.1-11	C, 113			
				Cracking	Reactor Vessel Internals Inspection Program	IV.B3.1-a	3.1.1-45	C			
					Water Chemistry Program	IV.B3.1-a	3.1.1-45	C			
				Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.B3.1-c	3.1.1-40	C			
				Reduction in Fracture Toughness	Reactor Vessel Internals Inspection Program	IV.B3.3-a	3.1.1-45	C, 113			

<b>Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
<b>Lower Internal Assembly (Integral with Core Barrel Assembly) = IV.B3.5 - Lower Internal Assembly</b>											
Core Support Barrel Cap Screws	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.5-c	3.1.1-11	A, 113			
				Cracking	Reactor Vessel Internals Inspection Program	IV.B3.5-b	3.1.1-45	A			
					Water Chemistry Program	IV.B3.5-b	3.1.1-45	A			
				Reduction in Fracture Toughness	Reactor Vessel Internals Inspection Program	IV.B3.5-d	3.1.1-11	A			

**Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Core Support Barrel Snubber Lug	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.5-c	3.1.1-11	A, 113			
				Cracking	Reactor Vessel Internals Inspection Program	IV.B3.5-a	3.1.1-45	A			
					Water Chemistry Program	IV.B3.5-a	3.1.1-45	A			
				Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.B3.5-e	3.1.1-40	A			
				Reduction in Fracture Toughness	Reactor Vessel Internals Inspection Program	IV.B3.5-d	3.1.1-11	A			
Core Support Column	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.5-c	3.1.1-11	A, 113			
				Cracking	Reactor Vessel Internals Inspection Program	IV.B3.5-a	3.1.1-45	A			
					Water Chemistry Program	IV.B3.5-a	3.1.1-45	A			

**Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Core Support Column Support Beams and Tie Rods	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.5-c	3.1.1-11	A, 113			
				Cracking	Reactor Vessel Internals Inspection Program	IV.B3.5-a	3.1.1-45	A			
					Water Chemistry Program	IV.B3.5-a	3.1.1-45	A			
				Reduction in Fracture Toughness	Reactor Vessel Internals Inspection Program	IV.B3.5-d	3.1.1-11	A			
Core Support Plate	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.5-c	3.1.1-11	A, 113			
				Cracking	Reactor Vessel Internals Inspection Program	IV.B3.5-a	3.1.1-45	A			
					Water Chemistry Program	IV.B3.5-a	3.1.1-45	A			



<b>Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
				Reduction in Fracture Toughness	Reactor Vessel Internals Inspection Program	IV.B3.5-d	3.1.1-11	A			
<b>Upper Guide Structure - Not in GALL</b>											
Instrument Sleeve	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.1-b	3.1.1-11	C, 113			
				Reduction in Fracture Toughness	Reactor Vessel Internals Inspection Program	IV.B3.2-e	3.1.1-43	F			
Spacer Shim, Instrument Sleeve	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Cracking	Reactor Vessel Internals Inspection Program	IV.B3.1-a	3.1.1-45	C			
				Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.B3.1-c	3.1.1-40	C			

**Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
<b>Upper Internal Assembly = GALL IV.B3.1 - Upper Internal Assembly</b>											
Brace Grid Beam, Cross Brace Screw, Shroud Grid Ring	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.1-b	3.1.1-45	A, 113			
				Cracking	Reactor Vessel Internals Inspection Program	IV.B3.1-a	3.1.1-45	A			
					Water Chemistry Program	IV.B3.1-a	3.1.1-45	A			
Fuel Alignment Plate	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.1-b	3.1.1-45	A, 113			

**Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Cracking	Reactor Vessel Internals Inspection Program	IV.B3.1-a	3.1.1-45	A			
					Water Chemistry Program	IV.B3.1-a	3.1.1-45	A			
				Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.B3.1-c	3.1.1-40	A			
Fuel Plate Align Lug, Fuel Plate Cap Screw, Fuel Plate Guide Pin	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Changes in Dimensions	Reactor Vessel Internals Inspection Program	IV.B3.1-b	3.1.1-45	A, 113			
				Cracking	Reactor Vessel Internals Inspection Program	IV.B3.1-a	3.1.1-45	A			
					Water Chemistry Program	IV.B3.1-a	3.1.1-45	A			
				Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.B3.1-c	3.1.1-40	A			

**Table 3.1.2-3 Reactor Coolant System - Reactor Vessel Internals - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Holddown Ring Plunger, Holddown Ring Strap, Holddown Ring	Structure Functional Support	Stainless Steel	Treated Water (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.B3.1-c	3.1.1-40	A			



**Table 3.1.2-4 Reactor Coolant System - Replacement Steam Generators - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Alloy 690 Tube Plugs	Fluid Pressure Boundary	Alloy 600/690	Treated Water (Ext)	Cracking	Steam Generator Tube Integrity Program	IV.D1.2-i	3.1.1-18	A			
					Water Chemistry Program	IV.D1.2-i	3.1.1-18	A			
			Treated Water (Int)	Cracking	Steam Generator Tube Integrity Program	IV.D1.2-i	3.1.1-18	A			
					Water Chemistry Program	IV.D1.2-i	3.1.1-18	A			
Handhole Cover	Fluid Pressure Boundary	Low-Alloy Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-g	3.1.1-38	C			
			Treated Water (Int)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.D1.1-c	3.1.1-02	C			

**Table 3.1.2-4 Reactor Coolant System - Replacement Steam Generators - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Water Chemistry Program	IV.D1.1-c	3.1.1-02	C			
Tube Bundle Support Assembly	Structural Support for Safety Related	Stainless Steel	Treated Water (Ext)	Cracking	Water Chemistry Program			F			
					Steam Generator Tube Integrity Program			118, F			
		Carbon Steel	Treated Water (Ext)	Loss of Material	Water Chemistry Program	IV.D1.2-k	3.1.1-20	A			
					Steam Generator Tube Integrity Program	IV.D1.2-k	3.1.1-20	118, A			
Tube Bundle Wrapper	Direct Flow	Low Alloy Steel	Treated Water (Int)	Loss of Material	Water Chemistry Program			F			

**Table 3.1.2-4 Reactor Coolant System - Replacement Steam Generators - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Lower Head	Fluid Pressure Boundary	Carbon Steel w/SS cladding	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-g	3.1.1-38	A			
			Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.D1.1-i	3.1.1-44	C			
					Water Chemistry Program	IV.D1.1-i	3.1.1-44	C			
Primary Manway Cover	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-k	3.1.1-38	A			
Manway Cover Diaphragm	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	Water Chemistry Program	IV.D1.1-i	3.1.1-44	E			
Nozzle Safe Ends	Fluid Pressure Boundary	Carbon Steel w/ SS Cladding	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.D1.1-i	3.1.1-44	A			
					Water Chemistry Program	IV.D1.1-i	3.1.1-44	A			



**Table 3.1.2-4 Reactor Coolant System - Replacement Steam Generators - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-g	3.1.1-38	C			
Primary Divider Plate	Fluid Pressure Boundary	Stainless Steel	Treated Water (Ext)	Cracking	Water Chemistry Program	IV.D1.1-i	3.1.1-44	C			
Primary Inlet and Outlet Nozzles	Fluid Pressure Boundary	Carbon Steel w/SS cladding	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-g	3.1.1-38	C			
			Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.D1.1-i	3.1.1-44	A			
					Water Chemistry Program	IV.D1.1-i	3.1.1-44	A			
Feedwater Inlet Nozzles and Thermal Sleeves	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-g	3.1.1-38	C			

**Table 3.1.2-4 Reactor Coolant System - Replacement Steam Generators - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Treated Water (Int)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.D1.1-c	3.1.1-02	C			
					Water Chemistry Program	IV.D1.1-c	3.1.1-02	C			
					Flow Accelerated Corrosion Program	IV.D1.1-d	3.1.1-25	117, A			
Steam Outlet Nozzle and Flow Limiter, Blowdown Nozzle	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-g	3.1.1-38	C			
			Treated Water (Int)	Loss of Material	Water Chemistry Program	IV.D1.1-c	3.1.1-02	E			
					Flow Accelerated Corrosion Program	IV.D1.1-d	3.1.1-25	117, A			

**Table 3.1.2-4 Reactor Coolant System - Replacement Steam Generators - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Secondary Side 2" Inspection Port Cover	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-k	3.1.1-38	C			
			Treated Water (Int)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.D1.1-c	3.1.1-02	A			
					Water Chemistry Program	IV.D1.1-c	3.1.1-02	A			
Wide and Narrow Range Water level Nozzles, Sampling and Instrument Nozzles	Fluid Pressure Boundary	Low Alloy Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-g	3.1.1-38	C			
			Treated Water (Int)	Loss of Material	Water Chemistry Program	IV.D1.1-c	3.1.1-02	C			
				Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.D1.1-c	3.1.1-02	E			

**Table 3.1.2-4 Reactor Coolant System - Replacement Steam Generators - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Water Chemistry Program	IV.D1.1-c	3.1.1-02	E			
Shells (Lower, Upper, Transition)	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-g	3.1.1-38	A			
			Treated Water (Int)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.D1.1-c	3.1.1-02	A			
					Water Chemistry Program	IV.D1.1-c	3.1.1-02	A			
					Steam Generator Tube Integrity Program	IV.D1.1-c	3.1.1-02	B			
Tubesheet	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-g	3.1.1-38	114, C			
			Treated Water (Int) (Secondary)	Loss of Material	Steam Generator Tube Integrity Program	IV.D1.1-c	3.1.1-02	C			

**Table 3.1.2-4 Reactor Coolant System - Replacement Steam Generators - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Water Chemistry Program	IV.D1.1-c	3.1.1-02	C			
		Nickel Based Alloy	Treated Water (Int) (Primary)	Cracking	Steam Generator Tube Integrity Program	IV.D1.2-a	3.1.1-18	C			
					Water Chemistry Program	IV.D1.2-a	3.1.1-18	C			
Upper Head	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	IV.D1.1-g	3.1.1-38	C			
			Treated Water (Int)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.D1.1-c	3.1.1-02	A			
				Loss of Material	Water Chemistry Program	IV.D1.1-c	3.1.1-02	A			

**Table 3.1.2-4 Reactor Coolant System - Replacement Steam Generators - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
U-Tubes	Fluid Pressure Boundary Heat Transfer	Alloy 600/690	Treated Water (Ext)	Cracking	Steam Generator Tube Integrity Program	IV.D1.2-b	3.1.1-18	A			
						IV.D1.2-c	3.1.1-18	A			
					Water Chemistry Program	IV.D1.2-b	3.1.1-18	A			
						IV.D1.2-c	3.1.1-18	A			
				Loss of Material	Water Chemistry Program	IV.D1.2-e	3.1.1-18	A			
					Steam Generator Tube Integrity Program	IV.D1.2-e	3.1.1-18	A			

**Table 3.1.2-4 Reactor Coolant System - Replacement Steam Generators - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Treated Water (Int)	Cracking	Steam Generator Tube Integrity Program	IV.D1.2-a	3.1.1-18	A			
					Water Chemistry Program	IV.D1.2-a	3.1.1-18	A			
Manway Fasteners	Fluid Pressure Boundary	Carbon Steel / Low Alloy Steel	Containment Air (Ext)	Crack Initiation and Growth	Bolting Integrity Program	IV.D1.1-l	3.1.1-26	A			
				Loss of Material	Boric Acid Corrosion Program	IV.D1.1-k	3.1.1-38	A			
				Loss of Preload	Bolting Integrity Program	IV.D1.1-f	3.1.1-26	101, A			





**Table 3.2.2-1 Engineered Safety Features - Engineering Safeguards System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
SIRW Tank	Fluid Pressure Boundary	Aluminum	Treated Water (Int)	Cracking	Water Chemistry Program	V.D1.8-a	3.2.1-15	F, 210			
					One-Time Inspection Program	V.D1.8-a	3.2.1-15	F, 210			
Safety Injection Tank	Fluid Pressure Boundary	Carbon Steel w/SS clad lining	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.D1.7-a	3.2.1-17	A			
					System Monitoring Program	V.E1-b	3.2.1-10	A			
SDC HX Shell	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.D1.5-b	3.2.1-17	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	V.D1.5-a	3.2.1-13	B			
SIRWT HX Shell	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.D1.6-d	3.2.1-17	A			
			Steam (Int)	Loss of Material	Water Chemistry Program			G, 211			
					One-Time Inspection Program			G, 211			

**Table 3.2.2-1 Engineered Safety Features - Engineering Safeguards System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
SDC, SIRWT HX Shell	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	V.E1-b	3.2.1-10	A			
SDC HX Channel Head	Fluid Pressure Boundary	Carbon Steel w/SS clad lining	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.D1.5-b	3.2.1-17	A			
					System Monitoring Program	V.E1-b	3.2.1-10	A			
SDC HX Tube Sheet shell side	Fluid Pressure Boundary	Carbon Steel w/SS clad lining	Treated Water (Ext)	Loss of Material	Closed Cycle Cooling Water Program	V.D1.5-a	3.2.1-13	B			
SDC HX Channel Head shell side	Fluid Pressure Boundary	Carbon Steel w/SS clad lining	Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	V.D1.5-a	3.2.1-13	B			
Cont. Spray Pump HX shell, LPSI Pump HX shell	Fluid Pressure Boundary	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.E1-a	3.2.1-17	A			
					System Monitoring Program	V.E1-b	3.2.1-10	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	V.D1.5-a	3.2.1-13	H, 212			

**Table 3.2.2-1 Engineered Safety Features - Engineering Safeguards System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					One-Time Inspection Program	V.D1.5-a	3.2.1-13	H, 212			
SIRWT HX Tubes	Fluid Pressure Boundary	Stainless Steel	Steam (Ext)	Cracking Heat Transfer Degradation Loss of Material	Water Chemistry Program	V.D1.6-a	3.2.1-13	G, 211			
					One-Time Inspection Program	V.D1.6-a	3.2.1-13	G, 211			
Cont. Spray, LPSI Pump coils	Fluid Pressure Boundary	Stainless Steel	Treated Water (Ext)	Cracking	Closed Cycle Cooling Water Program	V.D1.5-a	3.2.1-13	H			
PCP Seal Cooler Coils, Cont. Spray Pump coils, LPSI pump Coils, SDC HX Tubes	Fluid Pressure Boundary Heat Transfer	Stainless Steel	Treated Water (Ext)	Heat Transfer Degradation	Closed Cycle Cooling Water Program	V.D1.5-a	3.2.1-13	H			
				Loss of Material	Closed Cycle Cooling Water Program	V.D1.5-a	3.2.1-13	B			

**Table 3.2.2-1 Engineered Safety Features - Engineering Safeguards System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
SDC HX Tubes	Fluid Pressure Boundary Heat Transfer	Stainless Steel	Treated Water (Ext)	Loss of Material	Closed Cycle Cooling Water Program	V.D1.5-a	3.2.1-13	B			
PCP Seal Cooler Coils, SIRWT HX Tubes	Fluid Pressure Boundary Heat Transfer	Stainless Steel	Treated Water (Int)	Cracking	Water Chemistry Program	V.D1.5-a	3.2.1-13	H			
PCP Seal Cooler Coils	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	Closed Cycle Cooling Water Program	V.D1.5-a	3.2.1-13	H			
				Loss of Material	Closed Cycle Cooling Water Program	V.D1.5-a	3.2.1-13	B			
SIRWT HX Tubes	Fluid Pressure Boundary Heat Transfer	Stainless Steel	Treated Water (Int)	Cracking	One-Time Inspection Program	V.D1.6-a	3.2.1-13	G			
Cont. Spray Pump Coils, SDC HX Tubes	Fluid Pressure Boundary Heat Transfer	Stainless Steel	Treated Water (Int)	Heat Transfer Degradation	Water Chemistry Program	V.D1.5-a	3.2.1-13	H			
				Loss of Material	Water Chemistry Program	V.D1.5-a	3.2.1-13	A, 204			

**Table 3.2.2-1 Engineered Safety Features - Engineering Safeguards System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
SIRWT HX Tubes, Cont. Spray Pump coils, LPSI Pump coils, SDC HX Tubes	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Heat Transfer Degradation	One-Time Inspection Program	V.D1.5-a	3.2.1-13	H			
				Loss of Material	One-Time Inspection Program	V.D1.6-a	3.2.1-13	G			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext) Containment Air (Ext)	Loss of Preload	Bolting Integrity Program			206, F			
				Loss of Material	Bolting Integrity Program	V.E.2-a	3.2.1-18	A			
		Stainless Steel	Plant Indoor Air (Ext) Containment Air (Ext)	Loss of Preload	Bolting Integrity Program			206, F			

**Table 3.2.2-1 Engineered Safety Features - Engineering Safeguards System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Containment Spray System Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext) Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.A.1-b	3.2.1-17	A			
Containment Spray Pump Bolting	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.A.3-b	3.2.1-17	A			
Containment Spray System Valves Bolting	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext) Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.A.4-b	3.2.1-17	A			
Containment Spray System Valves Header Bolting	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.A.5-b	3.2.1-15	A			
HPSI, LPSI Pumps Bolting	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.D1.2-b	3.2.1-17	A			
SIRWT HX Bolting	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	V.D1.6-d	3.2.1-17	A			

**Table 3.2.2-1 Engineered Safety Features - Engineering Safeguards System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
SIRWT Bolting	Fluid Pressure Boundary	Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	Boric Acid Corrosion Program	V.D1.8-b	3.2.1-17	A			
HPSI Check Valves, SDC from PCS MOVs	Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Cracking	Water Chemistry Program			G, 207			
					One-Time Inspection Program			G, 207			
				Reduction of Fracture Toughness	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	V.D1.1-b	3.2.1-11	E, 209			
HPSI Check Valves	Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Loss of Material	Water Chemistry Program			G, 207			
					One-Time Inspection Program			G, 207			
Hot Leg Injection Check Valves	Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Cracking	Water Chemistry Program			G, 207			
					One-Time Inspection Program			G, 207			

**Table 3.2.2-1 Engineered Safety Features - Engineering Safeguards System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
HPSI Check Valves Loops 1A, 2A	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	Water Chemistry Program			G, 207			
					One-Time Inspection Program			G, 207			





<b>Table 3.3.2-1 Auxiliary Systems - Chemical and Volume Control System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Boric Acid Storage Tanks	Fluid Pressure Boundary	Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program			G			
Oil Cooler Shell	Fluid Pressure Boundary	Brass	Oil (Int)	Loss of Material	One-Time Inspection Program			J			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
Oil Cooler Tubes	Fluid Pressure Boundary	Copper Nickel	Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program			J			
Letdown Heat Exchanger Shell	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-24	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.E1.8-c	3.3.1-15	B			

<b>Table 3.3.2-1 Auxiliary Systems - Chemical and Volume Control System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Letdown Heat Exchanger Channel Head, Tubes, Tube Sheet	Fluid Pressure Boundary	Stainless Steel	Treated Water (Ext)	Cracking	Closed Cycle Cooling Water Program	VII.E1.8-b	3.3.1-09	B			
Letdown Heat Exchanger Tubes, Tube Sheet	Fluid Pressure Boundary	Stainless Steel	Treated Water (Ext)	Loss of Material	Closed Cycle Cooling Water Program			H			
Letdown Heat Exchanger Tubes	Fluid Pressure Boundary	Stainless Steel	Treated Water (Ext)	Loss of Material	One-Time Inspection Program			H			
Letdown Heat Exchanger Channel Head, Tubes, Tube Sheet	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	VII.E1.8-b	3.3.1-09	A			
					Water Chemistry Program	VII.E1.8-b	3.3.1-09	A			
Fasteners	Fluid Pressure Boundary	Low-Alloy Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, A			

**Table 3.3.2-1 Auxiliary Systems - Chemical and Volume Control System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	A			
					Boric Acid Corrosion Program	VII.E1.1-b	3.3.1-14	A			
						VII.E1.2-a	3.3.1-14	A			
						VII.E1.5-b	3.3.1-14	A			
						VII.E1.6-a	3.3.1-14	A			
						VII.E1.7-b	3.3.1-14	A			
						VII.E1.8-d	3.3.1-14	A			
						VII.E1.10-a	3.3.1-14	A			
		Stainless Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
			Containment Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			

**Table 3.3.2-1 Auxiliary Systems - Chemical and Volume Control System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Pipe - CVC Cooler	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.1-a	3.3.1-15	366, B			
Nozzle - CVC Spray	Fluid Pressure Boundary	Stainless Steel	Gas (Ext)	Loss of Material	One-Time Inspection Program			G			
Tubing - CVC Oil	Fluid Pressure Boundary	Stainless Steel	Oil (Int)	Loss of Material	One-Time Inspection Program			G			
Pipe and Pressure Test Fittings	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	IV.C2.2-f	3.1.1-36	A			
						IV.C2.2-h	3.1.1-07	A			

**Table 3.3.2-1 Auxiliary Systems - Chemical and Volume Control System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					One-Time Inspection Program	IV.C2.2-h	3.1.1-07	B			
					Water Chemistry Program	IV.C2.2-f	3.1.1-36	A			
						IV.C2.2-h	3.1.1-07	A			
Flow Elements	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	IV.C2.2-h	3.1.1-07	367, H			
Regenerative Heat Exchanger Tubes, Tube Sheet	Fluid Pressure Boundary	Stainless Steel	Treated Water (Ext)	Cracking	Water Chemistry Program	VII.E1.7-c	3.3.1-09	A			
					One-Time Inspection Program	VII.E1.7-c	3.3.1-09	B			
Regenerative Heat Exchanger Channel Head, Shell, Tubes, Tube Sheet	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	VII.E1.7-c	3.3.1-09	A			

**Table 3.3.2-1 Auxiliary Systems - Chemical and Volume Control System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Water Chemistry Program	VII.E1.7-c	3.3.1-09	A			
Control Valves	Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	VII.E1.7-c	3.3.1-09	C			
					One-Time Inspection Program	VII.E1.7-c	3.3.1-09	D			
					Water Chemistry Program	VII.E1.7-c	3.3.1-09	C			
Letdown Stop Valve CV-2001	Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Reduction of Fracture Toughness	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program			H			
Check, Control, Manual & Relief valves; Instrument Assemblies	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	VII.E1.5-a	3.3.1-04	C			
					One-Time Inspection Program	VII.E1.5-a	3.3.1-04	D			
					Water Chemistry Program	VII.E1.5-a	3.3.1-04	C			





**Table 3.3.2-2 Auxiliary Systems - Circulating Water System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Fasteners	Fluid Pressure Boundary	Low-Alloy Steel	Plant Indoor Air (Ext)	Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	A			
				Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, A			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A			
Pumps	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	Open Cycle Cooling Water Program	VII.C1.5-a	3.3.1-17	A			
Valves & Dampers	Fluid Pressure Boundary	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-2 Auxiliary Systems - Circulating Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Raw Water (Int)	Loss of Material	Open Cycle Cooling Water Program	VII.C1.5-a	3.3.1-17	A			
					One-Time Inspection Program	VII.C1.5-a	3.3.1-17	B, 301			



**Table 3.3.2-3 Auxiliary Systems- Component Cooling Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	Closed Cycle Cooling Water Program			319, G			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.4-a	3.3.1-15	B			
Bistable/Switch (In-line Flow Indicator)	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	D			
Component Cooling Heat Exchanger	Fluid Pressure Boundary	Aluminum Bronze	Raw Water (Ext)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	315, C			

**Table 3.3.2-3 Auxiliary Systems- Component Cooling Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	A			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	301, B			
		Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	380, A			
				Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	E			
					Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	A			
			Treated Water (Ext)	Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	E			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	E			

**Table 3.3.2-3 Auxiliary Systems- Component Cooling Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Component Cooling Heat Exchanger	Fluid Pressure Boundary Heat Transfer	Copper Alloys	Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	A			
				Heat Transfer Degradation	Closed Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	315, E			
					Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	313, 315, 316, A			
				Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	313, 315, E			
					Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	313, 315, A			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	301, 313, 315, B			
			Treated Water (Ext)	Heat Transfer Degradation	Closed Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	313, 315, 316, E			

**Table 3.3.2-3 Auxiliary Systems- Component Cooling Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	313, 315, 323, E			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	301, 313, B			
Cooler	Fluid Pressure Boundary	Nickel-Based Alloys	Treated Water (Ext)	Loss of Material	Closed Cycle Cooling Water Program			308, J			
					One-Time Inspection Program			308, J			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program			308, J			
					Water Chemistry Program			308, J			
		Stainless Steel	Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	D			
Heat Exchanger	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			

**Table 3.3.2-3 Auxiliary Systems- Component Cooling Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.4-a	3.3.1-15	C			
		Copper Alloys	Treated Water (Ext)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.4-a	3.3.1-15	323, C			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C2.3-a	3.3.1-15	301, C			
			Treated Water (Int)	Cracking	Closed Cycle Cooling Water Program			J			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, C			
				Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, C			
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			



**Table 3.3.2-3 Auxiliary Systems- Component Cooling Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, C			
				Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, C			
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
		Stainless Steel	Containment Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
			Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
Primary Coolant Pump Motor Oil Cooler	Fluid Pressure Boundary	Brass	Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	325, E			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	325, D			
		Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			

**Table 3.3.2-3 Auxiliary Systems- Component Cooling Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	D			
		Copper Nickel	Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	325, E			
Pipe & Fittings	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	D			
	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-3 Auxiliary Systems- Component Cooling Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.1-a	3.3.1-15	B			
		Copper Alloys	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program			317, F			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	325, E			
Pumps	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.3-a	3.3.1-15	B			
Valves & Dampers	Fluid Pressure Boundary	Bronze	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program			317, F			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	325, E			
		Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			

**Table 3.3.2-3 Auxiliary Systems- Component Cooling Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	B			
		Cast Iron	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-3 Auxiliary Systems- Component Cooling Water System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Valves & Dampers	Fluid Pressure Boundary	Cast Iron	Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	390, B			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C2.3-a	3.3.1-29	D			
Waste Gas Compressor Cooler	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	318, 320, D			
		Stainless Steel	Gas (Int)	Cracking	Closed Cycle Cooling Water Program			308, J			
				Loss of Material	Closed Cycle Cooling Water Program			308, J			
			Treated Water (Ext)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	323, D			



**Table 3.3.2-4 Auxiliary Systems - Compressed Air System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.3-a	3.3.1-19	E			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Air Dryers	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.6-a	3.3.1-19	E			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Blowers, Fans, Compressors, Vacuum	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.6-a	3.3.1-19	E			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-4 Auxiliary Systems - Compressed Air System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Filters/Strainers	Fluid Pressure Boundary Filtration	Aluminum	Air (Int)	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
		Brass	Air (Int)	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
		Bronze	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
		Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.5-a	3.3.1-19	E			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			



**Table 3.3.2-4 Auxiliary Systems - Compressed Air System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
		Cast Iron	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.5-a	3.3.1-19	E			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.D.5-a	3.3.1-19	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	335, A			
Filters/Strainers	Fluid Pressure Boundary Filtration	Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.5-a	3.3.1-19	E			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
		Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program			F			
			Oil (Int)	Loss of Material	One-Time Inspection Program			F			

**Table 3.3.2-4 Auxiliary Systems - Compressed Air System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Heat Exchangers	Fluid Pressure Boundary	Bronze	Air (Int)	Loss of Material	Open Cycle Cooling Water Program			F			
			Raw Water (Ext)	Loss of Material	Open Cycle Cooling Water Program			F			
		Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	Open Cycle Cooling Water Program			F			
		Copper Alloys	Air (Int)	Loss of Material	One-Time Inspection Program			F			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
				Loss of Material	Bolting Integrity Program	VII.I.1-b	3.3.1-05	E			

**Table 3.3.2-4 Auxiliary Systems - Compressed Air System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
		Stainless Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
		Copper Alloys	Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
				Loss of Preload	Bolting Integrity Program			324, F			
Pipe & Fittings	Fluid Pressure Boundary	Brass	Air (Int)	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
		Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.1-a	3.3.1-19	E			

**Table 3.3.2-4 Auxiliary Systems - Compressed Air System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
		Copper Alloys	Air (Int)	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
			Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
		Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program			F			
Pumps	Fluid Pressure Boundary	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	335, A			

**Table 3.3.2-4 Auxiliary Systems - Compressed Air System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Traps (Steam)	Fluid Pressure Boundary	Aluminum	Air (Int)	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
		Cast Iron	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.2-a	3.3.1-19	E			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	335, A			
Valves & Dampers	Fluid Pressure Boundary	Brass	Air (Int)	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
			Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			

**Table 3.3.2-4 Auxiliary Systems - Compressed Air System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
			Oil	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
		Bronze	Air (Int)	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
			Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
		Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.2-a	3.3.1-19	E			

**Table 3.3.2-4 Auxiliary Systems - Compressed Air System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Valves & Dampers	Fluid Pressure Boundary	Cast Iron	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.2-a	3.3.1-19	E			
			Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	335, A			
		Copper Alloys	Containment Air (Ext) Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			

<b>Table 3.3.2-4 Auxiliary Systems - Compressed Air System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
		Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program			F			





**Table 3.3.2-5 Auxiliary Systems- Containment Air Recirculation and Cooling System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Containment Air Cooler Coils	Fluid Pressure Boundary	Copper Alloys	Air (Ext)	Heat Transfer Degradation	System Monitoring Program	VII.F3.2-a	3.3.1-05	387, H			
				Loss of Material	One-Time Inspection Program	VII.F3.2-a	3.3.1-05	B			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	325, C			
				Heat Transfer Degradation	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	316, 325, C			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	325, 394, C			
	Heat Transfer	Copper Alloys	Air (Ext)	Heat Transfer Degradation	System Monitoring Program	VII.F3.2-a	3.3.1-05	387, H			
				Loss of Material	One-Time Inspection Program	VII.F3.2-a	3.3.1-05	B			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	325, C			

**Table 3.3.2-5 Auxiliary Systems- Containment Air Recirculation and Cooling System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Heat Transfer Degradation	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	316, 325, C			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	325, 394, C			
Containment Air Cooler Filter	Filtration	Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F3.4-a	3.3.1-05	308, B			
	Fluid Pressure Boundary	Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F3.4-a	3.3.1-05	308, B			
Containment Air Cooler Flow Element	Flow Measurement	Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F3.4-a	3.3.1-05	308, E			
	Fluid Pressure Boundary	Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F3.4-a	3.3.1-05	308, E			
Containment Air Cooler Housing	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F3.1-a	3.3.1-05	391, B			

**Table 3.3.2-5 Auxiliary Systems- Containment Air Recirculation and Cooling System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Containment Air Cooler Recirculation Fans	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F3.1-a	3.3.1-05	391, B			
			Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Dampers	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F3.1-a	3.3.1-05	391, B			
			Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-5 Auxiliary Systems- Containment Air Recirculation and Cooling System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Drip Pans	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.F3.1-a	3.3.1-05	B			
Duct	Pressure Boundary	Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F3.1-a	3.3.1-05	B			
			Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	386, A			
Fasteners	Fluid Pressure Boundary Structure Functional Support	Stainless Steel	Containment Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
		Low-Alloy Steel	Containment Air (Ext)	Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, A			

<b>Table 3.3.2-5 Auxiliary Systems- Containment Air Recirculation and Cooling System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
				Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, D			
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
Manual and Instrumentation Valves	Fluid Pressure Boundary	Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F3.4-a	3.3.1-05	308, E			



**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Accumulators	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VIII.H.2-a	3.4.1-08	A			
						VII.H2.2-a	3.3.1-05	B			
			Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H2.5-a	3.3.1-07	B			
					One-Time Inspection Program	VII.H2.5-a	3.3.1-07	B			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.H2.1-a	3.3.1-15	D			
Blowers Fans Compressor Vacuum	Fluid Pressure Boundary	Cast Iron	Air (Int)	Loss of Material	One-Time Inspection Program	VII.H2.3-a	3.3.1-05	399, A			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			



**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Cooler	Fluid Pressure Boundary	Carbon Steel	Oil (Ext)	Heat Transfer Degradation	One-Time Inspection Program			J			
				Loss of Material	One-Time Inspection Program	VII.H2.5-a	3.3.1-07	D			
			Oil (Int)	Loss of Material	One-Time Inspection Program	VII.H2.5-a	3.3.1-07	D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program			J			
				Heat Transfer Degradation	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	A			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	A			
	Heat Transfer	Carbon Steel	Oil (Ext)	Heat Transfer Degradation	One-Time Inspection Program			J			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material	One-Time Inspection Program	VII.H2.5-a	3.3.1-07	D			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program			J			
				Heat Transfer Degradation	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	A			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	A			
Fasteners	Fluid Pressure Boundary	Low-Alloy Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, A			
				Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	A			
		Stainless Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
Filters/Strainers	Filtration	Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.H2.3-a	3.3.1-05	386, A			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Atmosphere/ Weather (Ext)	Loss of Material	System Monitoring Program			F			
	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H2.5-a	3.3.1-07	D			
					One-Time Inspection Program	VII.H2.5-a	3.3.1-07	D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
		Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.H2.3-a	3.3.1-05	386, A			
			Atmosphere/ Weather (Ext)	Loss of Material	System Monitoring Program			F			
Heat Exchangers	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.H2.4-a	3.3.1-05	A			
			Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-b	3.3.1-06	D			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program			F			
				Heat Transfer Degradation	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	H			
				Loss of Material	Open Cycle Cooling Water Program	VIII.D1.3-a	3.4.1-02	C			
			Treated Water (Int)	Heat Transfer Degradation	Closed Cycle Cooling Water Program	VII.H2.1-a	3.3.1-15	H			
				Loss of Material	Closed Cycle Cooling Water Program	VII.H2.1-a	3.3.1-15	B			
Heat Exchangers	Fluid Pressure Boundary	Copper Alloys	Air (Ext)	Loss of Material	One-Time Inspection Program			F			
			Oil (Ext)	Heat Transfer Degradation	One-Time Inspection Program	VII.G.7-b	3.3.1-06	H			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.G.7-b	3.3.1-06	301, H			
				Loss of Material	One-Time Inspection Program	VII.G.7-b	3.3.1-06	D			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	A			
				Heat Transfer Degradation	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	396, A			
						VII.C1.3-b	3.3.1-17	396, A			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	301, B			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	396, A			
Heat Exchangers	Fluid Pressure Boundary	Copper Alloys	Treated Water (Ext)	Heat Transfer Degradation	Closed Cycle Cooling Water Program	VII.H2.1-a	3.3.1-15	H			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	B			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	301, B			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	B			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	301, B			
Heat Exchangers	Heat Transfer	Copper Alloys	Air (Ext)	Loss of Material	One-Time Inspection Program			F			
			Oil (Ext)	Heat Transfer Degradation	One-Time Inspection Program	VII.G.7-b	3.3.1-06	H			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.G.7-b	3.3.1-06	301, H			
				Loss of Material	One-Time Inspection Program	VII.G.7-b	3.3.1-06	D			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	A			
				Heat Transfer Degradation	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	396, A			
						VII.C1.3-b	3.3.1-17	396, A			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	301, B			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	396, A			
Heat Exchangers	Heat Transfer	Copper Alloys	Treated Water (Ext)	Heat Transfer Degradation	Closed Cycle Cooling Water Program	VII.H2.1-a	3.3.1-15	H			
				Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	B			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	301, B			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	B			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	301, B			
Heaters, Electric	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-b	3.3.1-06	D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.H2.1-b	3.3.1-17	380, C			
				Loss of Material	Open Cycle Cooling Water Program	VII.H2.1-b	3.3.1-17	C			
		Stainless Steel	Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	D			
Muffler	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.H2.3-a	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			



**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Instrument Valve Assemblies & Tubing	Fluid Pressure Boundary	Bronze	Air (Int)	Cracking	One-Time Inspection Program			J			
				Loss of Material	One-Time Inspection Program			J			
				Loss of Material - Selective Leaching	One-Time Inspection Program			J			
		Carbon Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H2.5-a	3.3.1-07	D			
					One-Time Inspection Program	VII.G.7-b	3.3.1-06	D			
						VII.H2.5-a	3.3.1-07	D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
		Stainless Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program			F			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					One-Time Inspection Program			F			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program			F			
Motors	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.H2.4-a	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.H2.2-a	3.3.1-05	A			
						VII.H2.3-a	3.3.1-05	A			
						VII.H2.4-a	3.3.1-05	A			
			Atmosphere/ Weather (Ext)	Loss of Material	System Monitoring Program	VII.H1.1-a	3.3.1-05	A			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H2.5-a	3.3.1-07	D			
					One-Time Inspection Program	VII.H2.5-a	3.3.1-07	D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.H2.1-a	3.3.1-15	B			
		Copper Alloys	Air (Int)	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program			F			
		Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program			F			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Pumps	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.G.8-a	3.3.1-22	B			
					Fire Protection Program	VII.G.8-a	3.3.1-22	B			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
		Cast Iron	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H2.5-a	3.3.1-07	399, D			
					One-Time Inspection Program			J			
				Loss of Material - Selective Leaching	One-Time Inspection Program			J			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	399, A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.3-a	3.3.1-15	B			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C2.3-a	3.3.1-29	301, B			
Traps (Steam)	Fluid Pressure Boundary	Cast Iron	Air (Int)	Loss of Material	One-Time Inspection Program	VII.H2.2-a	3.3.1-05	399, A			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.H2.2-a	3.3.1-05	399, H			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.2-b	3.3.1-24	399, A			
Valves & Dampers	Fluid Pressure Boundary	Brass	Air (Int)	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
				Loss of Material - Selective Leaching	One-Time Inspection Program			F			
			Oil (Int)	Cracking	Diesel Fuel Monitoring and Storage Program			F			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					One-Time Inspection Program			F			
				Loss of Material	Diesel Fuel Monitoring and Storage Program			F			
					One-Time Inspection Program			F			
Valves & Dampers	Fluid Pressure Boundary	Bronze	Air (Int)	Cracking	One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program			F			
			Oil (Int)	Cracking	Diesel Fuel Monitoring and Storage Program			F			
					One-Time Inspection Program			F			
				Loss of Material	Diesel Fuel Monitoring and Storage Program			F			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					One-Time Inspection Program			F			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program			F			
		Carbon Steel	Air (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program			G			
					One-Time Inspection Program	VII.H2.2-a	3.3.1-05	B			
						VIII.H2.2-a	3.4.1-05	A			
			Atmosphere/ Weather (Ext)	Loss of Material	System Monitoring Program	VII.H1.2-a	3.3.1-05	A			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H2.5-a	3.3.1-07	D			

**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					One-Time Inspection Program	VII.H2.5-a	3.3.1-07	D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.H2.1-a	3.3.1-15	D			
		Copper Alloys	Oil (Int)	Cracking	Diesel Fuel Monitoring and Storage Program			F			
					Fire Protection Program			F			
				Loss of Material	Diesel Fuel Monitoring and Storage Program			F			
					Fire Protection Program			F			
		Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program			F			
			Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program			F			



**Table 3.3.2-6 Auxiliary Systems- Emergency Power System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					One-Time Inspection Program			F			



**Table 3.3.2-7 Auxiliary Systems- Fire Protection System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Stainless Steel	Oil (Int)	Loss of Material	One-Time Inspection Program			371, 372, F			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	347, A			
				Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, E			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
				Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, I			
			Raw Water (Ext)	Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	348, D			
				Loss of Preload	Bolting Integrity Program			324, J			

**Table 3.3.2-7 Auxiliary Systems- Fire Protection System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Soil (Ext)	Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	336, 349, D			
				Loss of Preload	Bolting Integrity Program			324, J			
		Stainless Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
Filters/Strainers	Filtration	Carbon Steel	Raw Water (Ext)	Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	B			
			Raw Water (Int)	Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	B			
	Fluid Pressure Boundary	Bronze	Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-b	3.3.1-21	B			
				Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	370, B			
		Cast Iron	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program			335, G			
			Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-b	3.3.1-21	B			

**Table 3.3.2-7 Auxiliary Systems- Fire Protection System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	338, 378, 379, B			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.G.6-b	3.3.1-21	338, H			
Pipe & Fittings	Fluid Pressure Boundary	Bare Copper	Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-b	3.3.1-21	D			
				Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	D			
		Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	385, A			
			Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-a	3.3.1-21	B			
				Loss of Material	Fire Protection Program	VII.G.6-a	3.3.1-21	B			
			Soil (Ext)	Loss of Material	Fire Protection Program	VII.G.6-a	3.3.1-21	334, 350, B			

**Table 3.3.2-7 Auxiliary Systems- Fire Protection System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Pipe & Fittings	Fluid Pressure Boundary	Cast Iron	Raw Water (Ext)	Loss of Material	Fire Protection Program	VII.G.6-a	3.3.1-21	351, 352, B			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.G.6-a	3.3.1-21	352, H			
			Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-a	3.3.1-21	B			
				Loss of Material	Fire Protection Program	VII.G.6-a	3.3.1-21	351, 352, B			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.G.6-a	3.3.1-21	352, H			
		Copper Alloys	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program			353, F			
			Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-b	3.3.1-06	373, 374, B			
		Stainless Steel	Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-a	3.3.1-21	B			
				Loss of Material	Fire Protection Program	VII.G.6-a	3.3.1-21	B			

**Table 3.3.2-7 Auxiliary Systems- Fire Protection System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Pumps	Fluid Pressure Boundary	Carbon Steel	Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-b	3.3.1-21	B			
				Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	339, B			
Pumps	Fluid Pressure Boundary	Cast Iron	Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Ext)	Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	340, B			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.G.6-b	3.3.1-21	340, H			
			Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-b	3.3.1-21	B			

**Table 3.3.2-7 Auxiliary Systems- Fire Protection System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	340, B			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.G.6-b	3.3.1-21	340, H			
Sprinkler Heads	Fluid Pressure Boundary Spray Pattern	Brass	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			346, F			
			Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-b	3.3.1-21	376, 377, H			
				Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	375, B			
Valves & Dampers	Fluid Pressure Boundary	Brass	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
					System Monitoring Program			357, 383, F			
			Raw Water (Int)	Buildup of Deposit	Fire Protection Program			F			



**Table 3.3.2-7 Auxiliary Systems- Fire Protection System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material	Fire Protection Program			341, F			
		Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-b	3.3.1-21	B			
				Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	342, B			
Valves & Dampers	Fluid Pressure Boundary	Cast Iron	Air (Int)	Loss of Material	Fire Protection Program			G			
			Atmosphere/ Weather (Ext)	Loss of Material	Fire Protection Program			F			
					System Monitoring Program			337, F			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
					System Monitoring Program			384, F			

**Table 3.3.2-7 Auxiliary Systems- Fire Protection System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-b	3.3.1-21	B			
				Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	343, 344, B			
					One-Time Inspection Program	VII.G.6-b	3.3.1-21	344, H			
			Soil (Ext)	Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	358, 359, B			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.G.6-b	3.3.1-21	359, 384, H			
		Stainless Steel	Raw Water (Int)	Buildup of Deposit	Fire Protection Program	VII.G.6-b	3.3.1-21	H			
				Loss of Material	Fire Protection Program	VII.G.6-b	3.3.1-21	346, B			



**Table 3.3.2-8 Auxiliary Systems - Fuel Oil System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program			319, G			
			Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H1.4-a	3.3.1-07	305, B			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.H1.4-a	3.3.1-23	310, A			
Fasteners	Fluid Pressure Boundary	Low-Alloy Steel	Plant Indoor Air (Ext)	Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	A			
				Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, A			
Filters/Strainers	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H1.4-a	3.3.1-07	D			
					One-Time Inspection Program	VII.H1.4-a	3.3.1-07	D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-8 Auxiliary Systems - Fuel Oil System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Indicators/Recorders	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H1.4-a	3.3.1-07	D			
					One-Time Inspection Program	VII.H1.4-a	3.3.1-07	D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	C			
Pipe & Fittings	Fire Barrier	Carbon Steel	Air (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program			307, 319, G			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.H1.1-b	3.3.1-18	A			
Pipe & Fittings	Flow Restriction	Carbon Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H1.4-a	3.3.1-07	D			
					One-Time Inspection Program	VII.H1.4-a	3.3.1-07	D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.H1.1-b	3.3.1-18	A			

**Table 3.3.2-8 Auxiliary Systems - Fuel Oil System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program			307, 319, G			
			Atmosphere/ Weather (Ext)	Loss of Material	System Monitoring Program	VII.H1.1-a	3.3.1-05	A			
			Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H1.4-a	3.3.1-07	D			
					Fire Protection Program	VII.G.8-a	3.3.1-22	B			
					One-Time Inspection Program	VII.H1.4-a	3.3.1-07	D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.H1.1-b	3.3.1-18	A			
			Raw Water (Ext)	Loss of Material	Buried Services Corrosion Monitoring Program	VII.H1.1-b	3.3.1-18	A			
		Copper Alloys	Oil (Int)	Cracking	Diesel Fuel Monitoring and Storage Program			317, F			

**Table 3.3.2-8 Auxiliary Systems - Fuel Oil System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					One-Time Inspection Program			317, F			
Pipe & Fittings	Fluid Pressure Boundary	Copper Alloys	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program			317, F			
					One-Time Inspection Program			317, F			
		Stainless Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program			317, F			
					Fire Protection Program			317, F			
					One-Time Inspection Program			317, F			
Pumps	Fluid Pressure Boundary	Cast Iron	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H1.4-b	3.3.1-23	D			
					One-Time Inspection Program	VII.H1.4-b	3.3.1-23	D			

**Table 3.3.2-8 Auxiliary Systems - Fuel Oil System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.H1.4-b	3.3.1-23	301, D			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.H1.4-b	3.3.1-23	A			
Valves & Dampers	Fluid Pressure Boundary	Brass	Oil (Int)	Cracking	Diesel Fuel Monitoring and Storage Program			317, F			
					One-Time Inspection Program			317, F			
				Loss of Material	Diesel Fuel Monitoring and Storage Program			317, F			
					One-Time Inspection Program			317, F			
Valves & Dampers	Fluid Pressure Boundary	Bronze	Oil (Int)	Cracking	Diesel Fuel Monitoring and Storage Program			317, F			
					One-Time Inspection Program			317, F			



**Table 3.3.2-8 Auxiliary Systems - Fuel Oil System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material	Diesel Fuel Monitoring and Storage Program			317, F			
					One-Time Inspection Program			317, F			
		Carbon Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program	VII.H1.4-a	3.3.1-07	D			
					Fire Protection Program	VII.G.8-a	3.3.1-22	D			
					One-Time Inspection Program	VII.H1.4-a	3.3.1-07	D			
			Plant Indoor Air (Ext)	Loss of Material	Fire Protection Program	VII.I.1-b	3.3.1-05	B			
					System Monitoring Program	VII.H1.1-b	3.3.1-18	A			
		Stainless Steel	Oil (Int)	Loss of Material	Diesel Fuel Monitoring and Storage Program			317, F			
					One-Time Inspection Program			317, F			



**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Blowers Fans Compressor Vacuum	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.1-a	3.3.1-05	391, B			
						VII.F2.1-a	3.3.1-05	391, B			
						VII.F4.1-a	3.3.1-05	391, B			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
		Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.1-a	3.3.1-05	391, B			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	386, A			
Ductwork	Filtration Fluid Pressure Boundary	Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.1-a	3.3.1-05	386, B			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
						VII.F2.1-a	3.3.1-05	386, B			
						VII.F4.1-a	3.3.1-05	386, B			
Filters/Strainers	Filtration Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.4-a	3.3.1-05	B			
						VII.F2.4-a	3.3.1-05	B			
			Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-b	3.3.1-06	392, D			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
		Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F2.4-a	3.3.1-05	386, B			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	386, A			
Heat Exchangers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	380, A			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	C			
Heat Exchangers	Fluid Pressure Boundary	Carbon Steel	Steam (Int)	Loss of Material	One-Time Inspection Program			393, G			
	Fluid Pressure Boundary Heat Transfer	Copper Alloys	Air (Ext)	Heat Transfer Degradation	One-Time Inspection Program	VII.F1.2-a	3.3.1-05	387, H			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
						VII.F2.2-a	3.3.1-05	387, H			
				Loss of Material	One-Time Inspection Program	VII.F1.2-a	3.3.1-05	323, B			
						VII.F2.2-a	3.3.1-05	323, B			
			Gas (Ext)	Loss of Material	One-Time Inspection Program			323, 388, G			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	C			
				Heat Transfer Degradation	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	316, 387, C			
				Loss of Material - Erosion	One-Time Inspection Program	VII.C1.3-a	3.3.1-17	394, H			
				Loss of Material - Selective Leaching	One-Time Inspection Program	VII.C1.3-a	3.3.1-29	301, D			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.3-a	3.3.1-17	394, C			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
	Fluid Pressure Boundary	Copper Alloys	Steam (Int)	Loss of Material	One-Time Inspection Program			393, G			
Heaters, Electric	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.1-a	3.3.1-05	391, B			
						VII.F2.1-a	3.3.1-05	391, B			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
		Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.1-a	3.3.1-05	391, B			
Muffler (CRHVAC Refrig. condensing units)	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Elastomers in Flex. Connections and Seals inside/outside of Containment	Fluid Pressure Boundary	Elastomers	Air (Int)	Change in Mat. Properties	One-Time Inspection Program	VII.F1.1-b	3.3.1-02	389, B			
						VII.F1.4-b	3.3.1-02	389, B			
						VII.F2.1-b	3.3.1-02	389, B			
						VII.F2.4-b	3.3.1-02	389, B			
						VII.F3.1-b	3.3.1-02	389, B			
						VII.F3.4-b	3.3.1-02	389, B			
						VII.F4.1-b	3.3.1-02	389, B			
				Cracking	One-Time Inspection Program	VII.F1.1-b	3.3.1-02	389, B			
						VII.F1.4-b	3.3.1-02	389, B			



**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
						VII.F2.1-b	3.3.1-02	389, B			
						VII.F2.4-b	3.3.1-02	389, B			
						VII.F3.1-b	3.3.1-02	389, B			
						VII.F3.4-b	3.3.1-02	389, B			
						VII.F4.1-b	3.3.1-02	389, B			
			Containment Air (Ext)	Change in Mat. Properties	System Monitoring Program	VII.F3.1-b	3.3.1-02	389, A			
						VII.F3.4-b	3.3.1-02	389, A			
				Cracking	System Monitoring Program	VII.F3.1-b	3.3.1-02	389, A			
						VII.F3.4-b	3.3.1-02	389, A			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Elastomers in Flex. Connections and Seals inside/outside of Containment	Fluid Pressure Boundary	Elastomers	Plant Indoor Air (Ext)	Change in Mat. Properties	System Monitoring Program	VII.F1.1-b	3.3.1-02	389, A			
						VII.F1.4-b	3.3.1-02	389, A			
						VII.F2.1-b	3.3.1-02	389, A			
						VII.F2.4-b	3.3.1-02	389, A			
				Cracking	System Monitoring Program	VII.F1.1-b	3.3.1-02	389, A			
						VII.F1.4-b	3.3.1-02	389, A			
						VII.F2.1-b	3.3.1-02	389, A			
						VII.F2.4-b	3.3.1-02	389, A			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
CRHVAC Duct Silencer	Fluid Pressure Boundary	Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.1-a	3.3.1-05	D			
Fasteners	Fluid Pressure Boundary	Low-Alloy Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, C			
				Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, C			
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
HVAC Dampers	Fluid Pressure Boundary	Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.1-a	3.3.1-05	391, B			
						VII.F2.1-a	3.3.1-05	391, B			
						VII.F4.1-a	3.3.1-05	391, B			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.1-a	3.3.1-05	D			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
						VII.F2.1-a	3.3.1-05	D			
						VII.F4.1-a	3.3.1-05	D			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program			395, G			
			Steam (Int)	Loss of Material	One-Time Inspection Program			393, G			
		Copper Alloys	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.2-a	3.3.1-05	D			
						VII.F2.2-a	3.3.1-05	D			
						VII.F4.2-a	3.3.1-05	D			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			317, F			
		Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program			308, F			
Pipe & Fittings	Containment Isolation	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.C.1-a	3.3.1-05	A			
Traps (Steam)	Fluid Pressure Boundary	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	390, A			
			Steam (Int)	Loss of Material	One-Time Inspection Program			390, 393, G			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program			390, 393, G			
Valves & Dampers	Fluid Pressure Boundary	Bronze	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.2-a	3.3.1-05	D			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
						VII.F2.2-a	3.3.1-05	D			
						VII.F4.2-a	3.3.1-05	D			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			317, F			
			Steam (Int)	Loss of Material	One-Time Inspection Program			393, G			
		Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.1-a	3.3.1-05	D			
						VII.F2.1-a	3.3.1-05	D			
						VII.F4.1-a	3.3.1-05	D			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program			395, G			
			Steam	Loss of Material	One-Time Inspection Program			G			
					System Monitoring Program			G			
		Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F1.1-a	3.3.1-05	391, B			
						VII.F2.1-a	3.3.1-05	391, B			
						VII.F4.1-a	3.3.1-05	391, B			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	386, A			

<b>Table 3.3.2-9 Auxiliary Systems- Heating, Ventilation, and Air Conditioning System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
		Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program			308, F			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program			308, F			





**Table 3.3.2-10 Auxiliary Systems - Miscellaneous Gas System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Filters/Strainers	Fluid Pressure Boundary	Galvanized	Air (Int)	Loss of Material	One-Time Inspection Program	VII.D.5-a	3.3.1-19	E			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Misc. Mechanical (fasteners, manifold, monitor)	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program	VII.D.3-a	3.3.1-19	324, E			
				Loss of Material	Bolting Integrity Program	VII.D.1-a	3.3.1-19	E			

**Table 3.3.2-10 Auxiliary Systems - Miscellaneous Gas System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
						VII.D.2-a	3.3.1-19	E			
						VII.D.3-a	3.3.1-19	E			
						VII.D.5-a	3.3.1-19	E			
						VII.D.6-a	3.3.1-19	E			
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
		Copper Alloys	Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
				Loss of Material	Bolting Integrity Program			F			
		Stainless Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			

**Table 3.3.2-10 Auxiliary Systems - Miscellaneous Gas System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Soil (Ext)	Loss of Material	Buried Services Corrosion Monitoring Program	VII.C1.1-b	3.3.1-18	A			
		Copper Alloys	Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
Tanks	Fluid Pressure Boundary	Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-10 Auxiliary Systems - Miscellaneous Gas System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Valves & Dampers	Fluid Pressure Boundary	Brass	Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
		Bronze	Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			F			
		Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Containment Air (Ext) Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Valves & Dampers	Fluid Pressure Boundary	Low-Alloy Steel	Containment Air (Ext) Plant Indoor Air	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			

**Table 3.3.2-10 Auxiliary Systems - Miscellaneous Gas System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			(Ext)								
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			



**Table 3.3.2-11 Auxiliary Systems- Radwaste System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program			331, J			
			Atmosphere / Weather (Ext)	Loss of Material	System Monitoring Program	VII.H1.4-b	3.3.1-23	331, E			
	Flood Protection Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C3.1-a	3.3.1-29	331, E			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	331, 381, E			
Demineralizer	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	331, 381, E			



**Table 3.3.2-11 Auxiliary Systems- Radwaste System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Filters/Strainers	Fluid Pressure Boundary	Stainless Steel	Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.6-a	3.3.1-17	331, E			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	331, 381, E			
Heat Exchangers	Fluid Pressure Boundary	Bronze	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			308, F			
			Treated Water (Ext)	Loss of Material	One-Time Inspection Program	VII.F2.2-a	3.3.1-05	331, 368, 381, E			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program			331, 368, J			
					One-Time Inspection Program	VII.F2.2-a	3.3.1-05	331, 368, 381, E			
		Carbon Steel	Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-03	A			

**Table 3.3.2-11 Auxiliary Systems- Radwaste System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Steam (Int)	Loss of Material	One-Time Inspection Program			331, J			
		Copper Alloys	Treated Water (Ext)	Loss of Material	One-Time Inspection Program	VII.F2.2-a	3.3.1-05	331, 381, E			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program			331, 368, J			
					One-Time Inspection Program	VII.F2.2-a	3.3.1-05	331, 381, E			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	331, 381, E			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	A			
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	B			

**Table 3.3.2-11 Auxiliary Systems- Radwaste System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
				Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, A			
		Stainless Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
Pipe & Fittings	Flood Protection Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	331, 381, E			
	Fluid Pressure Boundary	Carbon Steel	Gas (Int)	Loss of Material	One-Time Inspection Program			331, 381, G			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-11 Auxiliary Systems- Radwaste System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C3.1-a	3.3.1-29	331, E			
		Cast Iron	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	399, A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	399, A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program			331, 381, F			
Pumps	Flood Protection Fluid Pressure Boundary	Bronze	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			331, G			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.F2.2-a	3.3.1-05	331, 381, E			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	331, 381, E			

**Table 3.3.2-11 Auxiliary Systems- Radwaste System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Ext)	Loss of Material	One-Time Inspection Program			331, I			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.5-a	3.3.1-17	331, E			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	331, 381, E			
Valves & Dampers	Flood Protection Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	331, 381, E			
		Cast Iron	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F2.1-a	3.3.1-05	331, E			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	399, A			

**Table 3.3.2-11 Auxiliary Systems- Radwaste System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					System Monitoring Program	VII.I.1-b	3.3.1-05	399, A			
	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.F2.1-a	3.3.1-05	331, 369, E			
			Gas (Int)	Loss of Material	One-Time Inspection Program	VII.F2.1-a	3.3.1-05	331, E			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.2-a	3.3.1-17	331, E			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	331, 381, E			



**Table 3.3.2-12 Auxiliary Systems- Service Water System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Accumulator	Fluid Pressure Boundary	Stainless Steel	Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.1-a	3.3.1-17	E			
Fasteners in Containment	Fluid Pressure Boundary	Low-Alloy Steel	Containment Air (Ext)	Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	A			
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
				Loss of Preload	Bolting Integrity Program			324, F			
Fasteners Not in Containment	Fluid Pressure Boundary	Low-Alloy Steel	Plant Indoor Air (Ext)	Loss of Material	Bolting Integrity Program	VII.I.1-b	3.3.1-05	A, 300			
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
				Loss of Preload	Bolting Integrity Program			324, F			
Filters/Strainers	Filtration	Stainless Steel	Raw Water (Ext)	Loss of Material	Open Cycle Cooling Water Program	VII.C1.6-a	3.3.1-17	A			



**Table 3.3.2-12 Auxiliary Systems- Service Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
	Fluid Pressure Boundary	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.6-a	3.3.1-17	A, 399			
				Loss of Material	One-Time Inspection Program	VII.C1.5-a	3.3.1-17	D, 301			
					Open Cycle Cooling Water Program	VII.C1.6-a	3.3.1-17	A, 399			
		Stainless Steel	Raw Water (Ext)	Loss of Material	Open Cycle Cooling Water Program	VII.C1.6-a	3.3.1-17	A			
Flex Connections & Instrument Valve Assemblies	Fluid Pressure Boundary	Stainless Steel	Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.4-a	3.3.1-17	C			

**Table 3.3.2-12 Auxiliary Systems- Service Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Heat Exchanger	Fluid Pressure Boundary	Carbon Steel	Air/Gas (Int)	Loss of Material	One-Time Inspection Program			G			
			Oil (Int)	Loss of Material	One-Time Inspection Program			G			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.1-a	3.3.1-17	E			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.I.3-a	3.3.1-17	E			
Pipe & Fittings	Flow Restriction	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A			
						VII.C1.2-a	3.3.1-17	A			
						VII.C3.1-a	3.3.1-29	A			

**Table 3.3.2-12 Auxiliary Systems- Service Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A, 302			
						VII.C3.1-a	3.3.1-29	A, 302			
	Fluid Pressure Boundary	Bronze	Raw Water (Int)	Loss of Material	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	C			
					One-Time Inspection Program	VII.C1.1-a	3.3.1-17	D			
		Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Soil (Ext)	Loss of Material	Buried Services Corrosion Monitoring Program	VII.C1.1-b	3.3.1-18	A			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			

**Table 3.3.2-12 Auxiliary Systems- Service Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A			
						VII.C1.2-a	3.3.1-17	A			
						VII.C3.1-a	3.3.1-29	A			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A, 302			
						VII.C3.1-a	3.3.1-29	A, 302			
				Loss of Material - Erosion	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A, 302			
						VII.C3.1-a	3.3.1-29	A, 302			
		Cast Iron	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A, 399			

**Table 3.3.2-12 Auxiliary Systems- Service Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A			
				Loss of Material	One-Time Inspection Program	VII.C1.6-a	3.3.1-17	B, 399			
					Open Cycle Cooling Water Program	VII.C1.6-a	3.3.1-17	A, 399			
Pipe & Fittings	Fluid Pressure Boundary	Copper Alloys	Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A			
		Stainless Steel	Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A, 302			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A			
				Loss of Material - Erosion	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	A,			

**Table 3.3.2-12 Auxiliary Systems- Service Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
		Rubber	Plant Indoor Air (Ext)	Cracking	System Monitoring Program			F			
Pumps	Fluid Pressure Boundary	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A, 399			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.5-a	3.3.1-17	A, 399			
						VII.C3.3-a	3.3.1-17	A, 399			
				Loss of Material	One-Time Inspection Program	VII.C1.5-a	3.3.1-29	C, 301			
						VII.C3.3-a	3.3.1-17	C, 301			
					Open Cycle Cooling Water Program	VII.C1.5-a	3.3.1-17	A			
Traveling Screen spray Nozzles	Spray Pattern	Aluminum Bronze	Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.3-b	3.3.1-17	C			
				Loss of Material	One-Time Inspection Program	VII.C1.1-a	3.3.1-29	D, 301			

**Table 3.3.2-12 Auxiliary Systems- Service Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	C, 302			
Valves & Dampers	Fluid Pressure Boundary	Brass	Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A			
		Bronze	Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A			
		Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			

**Table 3.3.2-12 Auxiliary Systems- Service Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.1-a	3.3.1-17	C			
						VII.C3.2-a	3.3.1-29	C			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A, 302			
						VII.C3.2-a	3.3.1-29	A, 302			
		Cast Iron	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A, 399			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A, 399			
Valves & Dampers	Fluid Pressure Boundary	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A, 399			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A, 399			



**Table 3.3.2-12 Auxiliary Systems- Service Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A, 399			
				Loss of Material	One-Time Inspection Program	VII.C1.2-a	3.3.1-17	B, 301, 399			
					Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A, 302, 399			
				Loss of Material - Erosion	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A, 302, 399			
		Copper Alloys	Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A			
		Stainless Steel	Raw Water (Int)	Buildup of Deposit	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A			
				Loss of Material	Open Cycle Cooling Water Program	VII.C1.2-a	3.3.1-17	A			



**Table 3.3.2-13 Auxiliary Systems - Shield Cooling System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	C			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	C			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.4-a	3.3.1-15	327, B			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
				Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, C			
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
			Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
				Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, C			

**Table 3.3.2-13 Auxiliary Systems - Shield Cooling System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
Filters/Strainers	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.4-a	3.3.1-15	327, D			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-13 Auxiliary Systems - Shield Cooling System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.1-a	3.3.1-15	327, B			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	327, B			





**Table 3.3.2-14 Auxiliary Systems- Spent Fuel Pool Cooling System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Accumulators	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	329, E			
					Water Chemistry Program	VII.C2.2-a	3.3.1-15	329, E			
Demineralizers	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	329, E			
					Water Chemistry Program	VII.C2.2-a	3.3.1-15	329, E			
Filters/Strainers	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	329, E			
					Water Chemistry Program	VII.C2.2-a	3.3.1-15	329, E			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, C			
				Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, C			



**Table 3.3.2-14 Auxiliary Systems- Spent Fuel Pool Cooling System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Boric Acid Corrosion Program	VII.A3.1-a	3.3.1-14	A			
						VII.A3.2-c	3.3.1-14	A			
						VII.A3.3-c	3.3.1-14	A			
						VII.A3.4-b	3.3.1-14	A			
						VII.A3.5-b	3.3.1-14	A			
						VII.A3.6-a	3.3.1-14	A			
		Stainless Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
			Containment Air (Ext)	Loss of Preload	Bolting Integrity Program			324, F			
Pipe & Fittings	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	329, E			
					Water Chemistry Program	VII.C2.2-a	3.3.1-15	329, E			

**Table 3.3.2-14 Auxiliary Systems- Spent Fuel Pool Cooling System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Pumps	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	329, E			
					Water Chemistry Program	VII.C2.2-a	3.3.1-15	329, E			
SFP Heat Exchanger Shell and Channel Head	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.A3.4-b	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.A3.4-a	3.3.1-15	320, B			
SFP Heat Exchanger Shell and Channel Head	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	318, 322, 329, D			
					Water Chemistry Program	VII.C2.2-a	3.3.1-15	329, E			

**Table 3.3.2-14 Auxiliary Systems- Spent Fuel Pool Cooling System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
SFP Heat Exchanger Tube and Tubesheet	Fluid Pressure Boundary	Carbon Steel	Treated Water (Ext)	Loss of Material	Closed Cycle Cooling Water Program	VII.A3.4-a	3.3.1-15	328, D			
SFP Heat Exchanger Tube and Tubesheet	Fluid Pressure Boundary Heat Transfer	Stainless Steel	Treated Water (Ext)	Heat Transfer Degradation	Closed Cycle Cooling Water Program			328, J			
				Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	323, 328, D			
			Treated Water (Int)	Heat Transfer Degradation	Closed Cycle Cooling Water Program			328, J			
					Water Chemistry Program			328, J			
				Loss of Material	Closed Cycle Cooling Water Program	VII.C2.2-a	3.3.1-15	323, 328, D			
					Water Chemistry Program	VII.C2.2-a	3.3.1-15	E			
Valves & Dampers	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	E			

<b>Table 3.3.2-14 Auxiliary Systems- Spent Fuel Pool Cooling System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
					Water Chemistry Program	VII.C2.2-a	3.3.1-15	E			



**Table 3.3.2-15 Auxiliary Systems - Waste Gas System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulator	Fluid Pressure Boundary	Carbon Steel	Gas (Int)	Loss of Material	One-Time Inspection Program			332, J			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C3.1-a	3.3.1-29	332, E			
Fasteners	Fluid Pressure Boundary	Low-Alloy Steel	Containment Air (Ext)	Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	A			
					Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
			Plant Indoor Air (Ext)	Loss of Material	Bolting Integrity Program	VII.I.2-a	3.3.1-24	A			
				Loss of Preload	Bolting Integrity Program	VII.I.2-a	3.3.1-24	324, A			
Filter/Strainer	Fluid Pressure Boundary	Carbon Steel	Gas (Int)	Loss of Material	One-Time Inspection Program			332, J			

**Table 3.3.2-15 Auxiliary Systems - Waste Gas System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Gas (Int)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C3.1-a	3.3.1-29	332, E			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			

**Table 3.3.2-15 Auxiliary Systems - Waste Gas System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Gas (Int)	Loss of Material	One-Time Inspection Program			332, G			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.I.1-a	3.3.1-14	A			
					System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.2-a	3.3.1-17	332, E			





**Table 3.3.2-16 Auxiliary Systems - Domestic Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulator	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program			J			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.1-a	3.3.1-17	E			
		Cast Iron	Air (Int)	Loss of Material	One-Time Inspection Program			J			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program			J			
		Stainless Steel	Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.1-a	3.3.1-17	E			
Fasteners	Fluid Pressure Boundary	Low-Alloy Steel	Plant Indoor Air (Ext)	Loss of Material	Bolting Integrity Program	VII.I.1-b	3.3.1-05	A			

**Table 3.3.2-16 Auxiliary Systems - Domestic Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Heat Exchanger	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program			J			
			Steam (Int)	Loss of Material	One-Time Inspection Program			J			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.1-a	3.3.1-17	E			
		Copper Alloy	Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.1-a	3.3.1-17	E			
Pumps	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.5-a	3.3.1-17	E			

**Table 3.3.2-16 Auxiliary Systems - Domestic Water System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.2-a	3.3.1-17	E			
		Copper Alloy	Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.2-a	3.3.1-17	E			



**Table 3.3.2-17 Auxiliary Systems - Chemical Addition System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulator	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program			G			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2-4a	3.3.1-15	E			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	E			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2-4A	3.3.1-15	E			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	E			

**Table 3.3.2-17 Auxiliary Systems - Chemical Addition System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Pumps	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2-4A	3.3.1-15	E			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	E			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VII.I.1-b	3.3.1-05	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2-4a	3.3.1-15	E			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-15	E			





<b>Table 3.4.2-1 Steam and Power Conversion System - Condensate and Condenser System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Accumulators	Fluid Pressure Boundary	Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	One-Time Inspection Program	VIII.E.5-c	3.4.1-11	418, 420, B			
					System Monitoring Program	VIII.E.5-c	3.4.1-11	418, 420, A			
			Treated Water (Int)	Loss of Material	Water Chemistry Program	VIII.E.5-a	3.4.1-02	411, A			
					One-Time Inspection Program	VIII.E.5-a	3.4.1-02	411, B			
CST Heater Shell	Fluid Pressure Boundary	Carbon Steel	Steam (Int)	Loss of Material	Water Chemistry Program	VIII.A.2-b	3.4.1-02	413, C			
					One-Time Inspection Program	VIII.A.2-b	3.4.1-02	413, D			
CST Heater Tubes	Fluid Pressure Boundary	Carbon Steel	Steam (Ext)	Loss of Material	Water Chemistry Program	VIII.A.2-b	3.4.1-02	413, C			
					One-Time Inspection Program	VIII.A.2-b	3.4.1-02	413, D			

**Table 3.4.2-1 Steam and Power Conversion System - Condensate and Condenser System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
				Loss of Material - Fretting	One-Time Inspection Program	VIII.A.2-b	3.4.1-02	413, D			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.2-b	3.4.1-02	411, 413, D			
					Water Chemistry Program	VIII.E.2-b	3.4.1-02	411, 413, C			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
				Loss of Material	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
Filters/Strainers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.2-b	3.4.1-02	411, D			
					Water Chemistry Program	VIII.E.2-b	3.4.1-02	411, C			

<b>Table 3.4.2-1 Steam and Power Conversion System - Condensate and Condenser System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
FW Heater Shell and Channel Head	Fluid Pressure Boundary	Carbon Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.2-b	3.4.1-02	411, 413, D			
					Water Chemistry Program	VIII.E.2-b	3.4.1-02	411, 413, C			
Heat Exchangers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Steam (Int)	Loss of Material	One-Time Inspection Program	VIII.A.1-b	3.4.1-02	D			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.4-a	3.4.1-02	A			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H1-b	3.4.1-05	A			
			Soil (Ext)	Loss of Material	Buried Services Corrosion Monitoring Program	VIII.G1-e	3.4.1-12	408, C			

**Table 3.4.2-1 Steam and Power Conversion System - Condensate and Condenser System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Treated Water (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.E.1-a	3.4.1-06	423, A			
					One-Time Inspection Program	VIII.E.1-b	3.4.1-02	411, B			
					Water Chemistry Program	VIII.E.1-b	3.4.1-02	411, A			
		Stainless Steel	Soil (Ext)	Loss of Material	Buried Services Corrosion Monitoring Program			407, F			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	405, 419, D			
					Water Chemistry Program	VIII.E.5-b	3.4.1-02	405, 419, C			
Pumps	Fluid Pressure Boundary	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	422, A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.3-a	3.4.1-02	411, 422, B			

**Table 3.4.2-1 Steam and Power Conversion System - Condensate and Condenser System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Water Chemistry Program	VIII.E.3-a	3.4.1-02	411, 422, A			
				Loss of Material - Selective Leaching	One-Time Inspection Program			412, 422, F			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Treated Water (Int)	Loss of Material	Water Chemistry Program	VIII.E.2-b	3.4.1-02	411, A			
					One-Time Inspection Program	VIII.E.2-b	3.4.1-02	411, B			
					Flow Accelerated Corrosion Program	VIII.E.2-a	3.4.1-06	423, A			



**Table 3.4.2-2 Steam and Power Conversion System - Demineralized Makeup Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program	VII.H2.3-a	3.3.1-05	416, E			
			Atmosphere/ Weather (Ext)	Loss of Material	One-Time Inspection Program	VIII.G.4-c	3.4.1-11	417, 418, 420, D			
					System Monitoring Program	VIII.G.4-c	3.4.1-11	417, 418, 420, C			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Treated Water (Int)	Loss of Material	Water Chemistry Program	VIII.G.4-a	3.4.1-02	411, 417, C			
					One-Time Inspection Program	VIII.G.4-a	3.4.1-02	411, 417, D			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Preload	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			

<b>Table 3.4.2-2 Steam and Power Conversion System - Demineralized Makeup Water System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
				Loss of Material	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
Filters	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	417, E			
Heat Exchangers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Steam (Int)	Loss of Material	One-Time Inspection Program	VIII.C.1-a	3.4.1-02	E			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.1-b	3.4.1-02	E			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.1-b	3.4.1-02	411, 417, D			
					Water Chemistry Program	VIII.E.1-b	3.4.1-02	411, 417, C			



**Table 3.4.2-2 Steam and Power Conversion System - Demineralized Makeup Water System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
		Stainless Steel	Soil (Ext)	Loss of Material	Buried Services Corrosion Monitoring Program			407, F			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	417, 419, D			
					Water Chemistry Program	VIII.E.5-b	3.4.1-02	417, 419, C			
Pumps	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	417, E			
Transmitter/ Element	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	417, 419, D			
					Water Chemistry Program	VIII.E.5-b	3.4.1-02	417, 419, C			
Valves & Dampers	Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	417, 419, D			
					Water Chemistry Program	VIII.E.5-b	3.4.1-02	417, 419, C			

<b>Table 3.4.2-2 Steam and Power Conversion System - Demineralized Makeup Water System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	417, 419, D			
					Water Chemistry Program	VIII.E.5-b	3.4.1-02	417, 419, C			



**Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Accumulators	Fluid Pressure Boundary	Carbon Steel	Air/Gas (Int)	Loss of Material	One-Time Inspection Program	VII.H2.3-a	3.3.1-05	409, E			
			Oil (Int)	Loss of Material	One-Time Inspection Program	VIII.G.5-d	3.3.1-06	C			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
Filters/Strainers	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	One-Time Inspection Program	VIII.G.5-d	3.3.1-06	C			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.D1.1-c	3.4.1-02	408, 411, D			
					Water Chemistry Program	VIII.D1.1-c	3.4.1-02	408, 411, C			
Heat Exchangers	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-b	3.3.1-06	C			

**Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VIII.G.5-b	3.4.1-03	411, 421, E			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.D1.1-c	3.4.1-02	408, 411, D			
					Water Chemistry Program	VIII.D1.1-c	3.4.1-02	408, 411, C			
Indicators/Recorders	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.D1.1-c	3.4.1-02	408, 411, D			
					Water Chemistry Program	VIII.D1.1-c	3.4.1-02	408, 411, C			

**Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext Containment Air (Ext))	Loss of Preload	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
				Loss of Material	Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	A			
					Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
Pipe & Fittings	Flow Restriction	Carbon Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.D1.1-c	3.4.1-02	411, B			
						VIII.D1.3-a	3.4.1-02	411, B			
						VIII.G.1-c	3.4.1-02	411, B			
						VIII.G.2-a	3.4.1-02	411, B			
					Water Chemistry Program	VIII.D1.1-c	3.4.1-02	411, A			
						VIII.D1.3-a	3.4.1-02	411, A			

**Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
						VIII.G.1-c	3.4.1-02	411, A			
						VIII.G.2-a	3.4.1-02	411, A			
	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	A			
					System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Oil (Int)	Loss of Material	One-Time Inspection Program	VIII.G.5-d		C			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
					Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	A			
			Treated Water (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.D1.1-a	3.4.1-06	A			
						VIII.D1.3-b	3.4.1-06	A			

**Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
						VIII.G.1-a	3.4.1-06	A			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.D1.1-c	3.4.1-02	411, B			
						VIII.D1.3-a	3.4.1-02	411, B			
						VIII.G.1-c	3.4.1-02	411, B			
						VIII.G.2-a	3.4.1-02	411, B			
					Water Chemistry Program	VIII.D1.1-c	3.4.1-02	411, A			
						VIII.D1.3-a	3.4.1-02	411, A			
						VIII.G.1-c	3.4.1-02	411, A			
						VIII.G.2-a	3.4.1-02	411, A			
		Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program			409, J			



**Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Atmosphere/ Weather (Ext)	Loss of Material	System Monitoring Program			G			
			Oil (Int)	Loss of Material	One-Time Inspection Program			F			
			Soil (Ext)	Loss of Material	Buried Services Corrosion Monitoring Program			407, F			
			Treated Water (Int)	Cracking	Water Chemistry Program			410, F			
					One-Time Inspection Program			410, F			
Pipe & Fittings	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	405, 419, D			
					Water Chemistry Program	VIII.E.5-b	3.4.1-02	405, 419, C			
Pumps	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	One-Time Inspection Program	VIII.G.5-d	3.3.1-06	C			

**Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Treated Water (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.D1.3-b	3.4.1-06	A			
					One-Time Inspection Program	VIII.D1.3-a	3.4.1-02	411, B			
						VIII.G.2-a	3.4.1-02	411, B			
					Water Chemistry Program	VIII.D1.3-a	3.4.1-02	411, A			
						VIII.G.2-a	3.4.1-02	411, A			
		Stainless Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	405, 419, D			
					Water Chemistry Program	VIII.E.5-b	3.4.1-02	405, 419, C			
Traps (Steam)	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program			409, J			

**Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
Turbines	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program			409, J			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program			409, G			
			Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	A			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
					Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VIII.G.1-d	3.4.1-03	411, 421, D			

**Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Steam (Int)	Loss of Material	Water Chemistry Program	VIII.A.2-b	3.4.1-02	A			
					One-Time Inspection Program	VIII.A.2-b	3.4.1-02	411, B			
			Treated Water (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.D1.2-a	3.4.1-06	A			
					One-Time Inspection Program	VIII.D1.2-b	3.4.1-02	411, B			
						VIII.G.3-a	3.4.1-02	411, B			
					Water Chemistry Program	VIII.D1.2-b	3.4.1-02	411, A			
						VIII.G.3-a	3.4.1-02	411, A			
Valves & Dampers	Fluid Pressure Boundary	Cast Austenitic SS	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	405, 419, D			
					Water Chemistry Program	VIII.E.5-b	3.4.1-02	405, 419, C			

**Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
		Cast Iron	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	422, A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.G.3-a	3.4.1-02	411, 422, B			
					Water Chemistry Program	VIII.G.3-a	3.4.1-02	411, 422, A			
				Loss of Material - Selective Leaching	One-Time Inspection Program			412, 422, F			
		Stainless Steel	Air (Int)	Loss of Material	One-Time Inspection Program			409, F			
			Steam (Int)	Cracking	Water Chemistry Program			404, F			
					One-Time Inspection Program			404, F			
				Loss of Material	Water Chemistry Program			404, F			
					One-Time Inspection Program			404, F			

<b>Table 3.4.2-3 Steam and Power Conversion System - Feedwater System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Valves & Dampers	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	Water Chemistry Program			F			
					One-Time Inspection Program			F			
				Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	405, 419, D			
					Water Chemistry Program	VIII.E.5-b	3.4.1-02	405, 419, C			







**Table 3.4.2-4 Steam and Power Conversion System - Heater Extraction and Drain System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-08	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.1-a	3.4.1-02	E			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
				Loss of Preload	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
Heat Exchangers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-08	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.1-a	3.4.1-02	E			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Steam (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.C.1-a	3.4.1-06	423, A			
					Water Chemistry Program	VIII.C.1-b	3.4.1-02	A			

**Table 3.4.2-4 Steam and Power Conversion System - Heater Extraction and Drain System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					One-Time Inspection Program	VIII.C.1-b	3.4.1-02	411, B			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Treated Water (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.E.1-a	3.4.1-06	414, 423, C			
					One-Time Inspection Program	VIII.E.1-b	3.4.1-02	411, 414, D			
					Water Chemistry Program	VIII.E.1-b	3.4.1-02	411, 414, C			
		Stainless Steel	Steam (Int)	Cracking	Water Chemistry Program			404, F			
					One-Time Inspection Program			404, F			
				Loss of Material	Water Chemistry Program			404, F			
					One-Time Inspection Program			404, F			

**Table 3.4.2-4 Steam and Power Conversion System - Heater Extraction and Drain System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Pumps	Fluid Pressure Boundary	Carbon Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.3-a	3.4.1-02	411, 414, D			
					Water Chemistry Program	VIII.E.3-a	3.4.1-02	411, 414, C			
Transmitter/Element	Fluid Pressure Boundary	Stainless Steel	Treated Water (Int)	Cracking	Water Chemistry Program			410, F			
					One-Time Inspection Program			410, F			
				Loss of Material	Water Chemistry Program			F			
					One-Time Inspection Program			F			
Traps (Steam)	Fluid Pressure Boundary	Carbon Steel	Steam (Int)	Loss of Material	Water Chemistry Program	VIII.C.2-b	3.4.1-02	C			
					One-Time Inspection Program	VIII.C.2-b	3.4.1-02	D			

**Table 3.4.2-4 Steam and Power Conversion System - Heater Extraction and Drain System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Steam (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.C.2-a	3.4.1-06	423, A			
					Water Chemistry Program	VIII.C.2-b	3.4.1-02	A			
					One-Time Inspection Program	VIII.C.2-b	3.4.1-02	B			
			Treated Water (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.E.2-a	3.4.1-06	414, 423, C			
					One-Time Inspection Program	VIII.E.2-b	3.4.1-02	411, 414, D			
					Water Chemistry Program	VIII.E.2-b	3.4.1-02	411, 414, C			
	Fluid Pressure Boundary	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	None Required	VIII.H.1-b	3.4.1-05	401, 422, I			
			Steam (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.C.2-a	3.4.1-06	422, 423, A			

**Table 3.4.2-4 Steam and Power Conversion System - Heater Extraction and Drain System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					Water Chemistry Program	VIII.C.2-b	3.4.1-02	422, A			
					One-Time Inspection Program	VIII.C.2-b	3.4.1-02	422, B			
				Loss of Material - Selective Leaching	One-Time Inspection Program			412, 422, F			
Valves & Dampers	Fluid Pressure Boundary	Stainless Steel	Steam (Int)	Cracking	Water Chemistry Program			404, F			
					One-Time Inspection Program			404, F			
				Loss of Material	Water Chemistry Program			404, F			
					One-Time Inspection Program			404, F			



<b>Table 3.4.2-5 Steam and Power Conversion System - Main Air Ejection and Gland Seal System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Blowers Fans Compressor Vacuum	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program			415, J			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Steam (Int)	Loss of Material	Water Chemistry Program	VIII.A.1-b	3.4.1-02	415, C			
					One-Time Inspection Program	VIII.A.1-b	3.4.1-02	415, D			
		Cast Iron	Steam (Int)	Loss of Material	Water Chemistry Program	VIII.A.1-b	3.4.1-02	415, 422, C			
					One-Time Inspection Program	VIII.A.1-b	3.4.1-02	415, 422, D			
				Loss of Material - Selective Leaching	One-Time Inspection Program			412, 415, J			
Filters/Strainers	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program			415, J			

<b>Table 3.4.2-5 Steam and Power Conversion System - Main Air Ejection and Gland Seal System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Steam (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.A.1-a	3.4.1-06	415, C			
					Water Chemistry Program	VIII.A.1-b	3.4.1-02	415, C			
					One-Time Inspection Program	VIII.A.1-b	3.4.1-02	415, D			
Heat Exchangers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Steam (Int)	Loss of Material	Water Chemistry Program	VIII.A.1-b	3.4.1-02	415, C			
					One-Time Inspection Program	VIII.A.1-b	3.4.1-02	415, D			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.D1.2-b	3.4.1-02	411, 415, D			



<b>Table 3.4.2-5 Steam and Power Conversion System - Main Air Ejection and Gland Seal System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
				Loss of Preload	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program			416, G			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Steam (Int)	Loss of Material	Water Chemistry Program	VIII.A.1-b	3.4.1-02	415, C			
					One-Time Inspection Program	VIII.A.1-b	3.4.1-02	415, D			
Traps (Steam)	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.2-a	3.3.1-17	E			

<b>Table 3.4.2-5 Steam and Power Conversion System - Main Air Ejection and Gland Seal System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
			Steam (Int)	Loss of Material	Water Chemistry Program	VIII.A.2-b	3.4.1-02	415, C			
					One-Time Inspection Program	VIII.A.2-b	3.4.1-02	415, D			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Air (Int)	Loss of Material	One-Time Inspection Program			416, G			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Steam (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.A.2-a	3.4.1-06	415, C			
					One-Time Inspection Program	VIII.A.2-b	3.4.1-02	415, D			
					Water Chemistry Program	VIII.A.2-b	3.4.1-02	415, C			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.D1.2-b	3.4.1-02	411, 415, D			

<b>Table 3.4.2-5 Steam and Power Conversion System - Main Air Ejection and Gland Seal System - Summary of Aging Management Evaluation</b>											
<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
					Water Chemistry Program	VIII.D1.2-b	3.4.1-02	411, 415, C			
		Cast Iron	Steam (Int)	Loss of Material	Water Chemistry Program	VIII.A.2-b	3.4.1-02	415, 422, C			
					One-Time Inspection Program	VIII.A.2-b	3.4.1-02	411, 415, 422, D			
				Loss of Material - Selective Leaching	One-Time Inspection Program			412, 422, F			



**Table 3.4.2-6 Steam and Power Conversion System - Main Steam System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	C			
			Steam (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.A.1-a	3.4.1-06	403, 423, C			
					Water Chemistry Program	VIII.A.1-b	3.4.1-02	403, C			
					One-Time Inspection Program	VIII.A.1-b	3.4.1-02	403, D			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.F.1-b	3.4.1-02	E			
Filters/Strainers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	401, A			
			Steam (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.A.2-a	3.4.1-06	403, 423, C			
					Water Chemistry Program	VIII.A.2-b	3.4.1-02	403, C			

**Table 3.4.2-6 Steam and Power Conversion System - Main Steam System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
					One-Time Inspection Program	VIII.A.2-b	3.4.1-02	403, D			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E5-a	3.4.1-02	E			
Indicators/Recorders	Fluid Pressure Boundary	Stainless Steel	Steam (Int)	Cracking	Water Chemistry Program			403, 404, J			
				Loss of Material	Water Chemistry Program			403, 404, J			
Ejectors	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	401, A			
			Steam (Int)	Loss of Material	Water Chemistry Program	VIII.A.1-b	3.4.1-02	403, C			
					One-Time Inspection Program	VIII.A.1-b	3.4.1-02	403, D			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			

**Table 3.4.2-6 Steam and Power Conversion System - Main Steam System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	401, A			
					Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
				Loss of Preload	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
Heat Exchangers	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Steam (Int)	Loss of Material	One-Time Inspection Program	VIII.B1.1-a	3.4.1-07	E			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.F.1-b	3.4.1-02	E			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	A			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	A			

**Table 3.4.2-6 Steam and Power Conversion System - Main Steam System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Steam (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.A.1-a	3.4.1-06	423, A			
						VIII.B1.1-c	3.4.1-06	423, A			
					Water Chemistry Program	VIII.A.1-b	3.4.1-02	424, A			
						VIII.B1.1-a	3.4.1-07	424, A			
					One-Time Inspection Program	VIII.A.1-b	3.4.1-02	B			
			Treated Water (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.F.1-a	3.4.1-06	423, A			
					One-Time Inspection Program	VIII.F.1-b	3.4.1-02	411, B			
					Water Chemistry Program	VIII.F.1-b	3.4.1-02	411, A			
		Copper Alloys	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program			402, F			
		Stainless Steel	Steam (Int)	Cracking	Water Chemistry Program			404, G			



**Table 3.4.2-6 Steam and Power Conversion System - Main Steam System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Steam (Int)	Loss of Material	Water Chemistry Program			404, G			
Pumps	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-13	A			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-a	3.4.1-02	E			
Traps (Steam)	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	A			
			Steam (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.A.2-a	3.4.1-06	403, 423, C			
					Water Chemistry Program	VIII.A.2-b	3.4.1-02	403, C			
					One-Time Inspection Program	VIII.A.2-b	3.4.1-02	403, D			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.F.1-b	3.4.1-02	E			

**Table 3.4.2-6 Steam and Power Conversion System - Main Steam System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	A			
			Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VIII.H.1-a	3.4.1-13	A			
			Steam (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.A.2-a	3.4.1-06	423, A			
						VIII.B1.2-b	3.4.1-06	423, A			
					Water Chemistry Program	VIII.A.2-b	3.4.1-02	424, A			
						VIII.B1.2-a	3.4.1-07	424, A			
					One-Time Inspection Program	VIII.A.2-b	3.4.1-02	B			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Treated Water (Int)	Loss of Material	Flow Accelerated Corrosion Program	VIII.F.2-a	3.4.1-06	423, A			
					One-Time Inspection Program	VIII.F.2-b	3.4.1-02	411, B			

**Table 3.4.2-6 Steam and Power Conversion System - Main Steam System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
					Water Chemistry Program	VIII.F.2-b	3.4.1-02	411, A			
		Stainless Steel	Steam (Int)	Cracking	Water Chemistry Program			404, F			
				Loss of Material	Water Chemistry Program			404, F			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VIII.E.5-b	3.4.1-02	417, 419, D			
					Water Chemistry Program	VIII.E.5-b	3.4.1-02	417, 419, C			



**Table 3.4.2-7 Steam and Power Conversion System - Turbine Generator System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
Accumulators	Fluid Pressure Boundary	Carbon Steel	Air/Gas (Int)	Loss of Material	One-Time Inspection Program	VII.H.2.3-a	3.3.1-05	E			
			Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-a	3.3.1-06	E			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
		Stainless Steel	Oil (Int)	Loss of Material	One-Time Inspection Program			G			
Fasteners	Fluid Pressure Boundary	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
				Loss of Preload	Bolting Integrity Program	VIII.H.2-a	3.4.1-08	406, C			
Filters/Strainers	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-a	3.3.1-06	E			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			

**Table 3.4.2-7 Steam and Power Conversion System - Turbine Generator System - Summary of Aging Management Evaluation**

<b>Component Type</b>	<b>Intended Function</b>	<b>Material</b>	<b>Environment</b>	<b>Aging Effect Requiring Management</b>	<b>Aging Management Programs</b>	<b>NUREG - 1801 Volume 2 Line Item</b>	<b>Table 1 Item</b>	<b>Notes</b>	<b>Rev 1 NUREG - 1801 Volume 2 Line Item</b>	<b>Rev 1 Table 1 Item</b>	<b>Rev 1 Notes</b>
Heat Exchangers	Fluid Pressure Boundary	Carbon Steel	Air/Gas (Int)	Loss of Material	One-Time Inspection Program	VII.H.2.3-a	3.3.1-05	E			
			Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-a	3.3.1-06	E			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.3-a	3.3.1-17	E			
Pipe & Fittings	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-b	3.3.1-06	E			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.1-a	3.3.1-17	E			
			Steam (Int)	Loss of Material	One-Time Inspection Program	VIII.B1.1-c	3.3.1-17	E			

**Table 3.4.2-7 Steam and Power Conversion System - Turbine Generator System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.1-a	3.3.1-17	E			
		Stainless Steel	Oil (Int)	Loss of Material	One-Time Inspection Program			G			
Pumps	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-a	3.3.1-06	E			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
		Cast Iron	Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-a	3.3.1-06	E			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			
Valves & Dampers	Fluid Pressure Boundary	Carbon Steel	Oil (Int)	Loss of Material	One-Time Inspection Program	VII.G.7-b	3.3.1-06	E			
			Plant Indoor Air (Ext)	Loss of Material	System Monitoring Program	VIII.H.1-b	3.4.1-05	A			

**Table 3.4.2-7 Steam and Power Conversion System - Turbine Generator System - Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG - 1801 Volume 2 Line Item	Table 1 Item	Notes	Rev 1 NUREG - 1801 Volume 2 Line Item	Rev 1 Table 1 Item	Rev 1 Notes
			Raw Water (Int)	Loss of Material	One-Time Inspection Program	VII.C1.2-a	3.3.1-17	E			
			Steam (Int)	Loss of Material	One-Time Inspection Program	VIII.B1.2-b	3.3.1-17	E			
			Treated Water (Int)	Loss of Material	One-Time Inspection Program	VII.C2.2-a	3.3.1-17	E			



