

**Application for Renewed Operating License - Palisades Nuclear Plant
Precedent Tables for Section 3.5, Structures and Component Supports**

Table 3.5.2-1 Structures and Component Supports - Auxiliary Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Carbon Steel, Protected (column, hanger, beam, truss, decking, floor grating or plate, catwalk, threaded fastener, concrete expansion bolt, column base plate, weld, etc.)	HELB Shielding Pipe Whip Restraint Shelter/ Protection Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.A3.2-a	3.5.1-20	580, 584, H	III.B5-7	5-36	A, 580, 584
						III.B5.1-b	3.5.1-31	583, A			
					Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, A			

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						III.B5.1-a	3.5.1-31	A			
Building Framing - Concrete, Below Grade (wall footing, foundation, slab, grout, reinforcement, duct banks, cable pits, tunnels, etc.)	Flood Protection Structural Support for Safety Related	Concrete	Soil (Ext)	Loss of Material	None Required	III.A3.1-a	3.5.1-20	571, A			
						III.A3.1-g	3.5.1-21	544, A			
				Change in Material Properties	None Required	III.A3.1-b	3.5.1-20	557, A			
						III.A3.1-g	3.5.1-21	544, A			
				Cracking	None Required	III.A3.1-h	3.5.1-25	547, A			
				Cracking and Expansion	None Required	III.A3.1-c	3.5.1-20	543, A			

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				Cracking / Loss of Bond/Matl	None Required	III.A3.1-e	3.5.1-21	544, A			
Building Framing - Concrete, Exposed (foundations, concrete & masonry wall, beam, roof slab, grout, reinforcements, concrete around expansion & grouted anchors)	Flood Protection Missile Barrier Radiation Shielding Shelter/Protection Structural Support for Safety Related	Concrete	Atmosphere/Weather (Ext)	Change in Material Properties	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-a	3.5.1-20	A			
						III.A3.1-h	3.5.1-25	A			

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				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Building Framing - Concrete, Protected (foundations, concrete & masonry wall, column, pedestal, beam, floor slab, grout, reinforcements, concrete around expansion & grouted anchors, cable pits, tunnels, etc.)	Direct Flow Fire Barrier HELB Shielding Missile Barrier Pipe Whip Restraint Radiation Shielding Shelter/ Protection Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			

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				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			
				Loss of Strength	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Flood Barrier - Carbon Steel, Exposed (water tight doors)	Flood Protection Structural Support for Safety Related	Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, C			
Flood Barrier - Carbon Steel, Protected (water tight doors and gate)	Flood Protection Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Leak Tightness	Structural Monitoring Program	III.A3.2-a	3.5.1-20	531, H	N/A	N/A	N/A

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				Loss of Material	Boric Acid Corrosion Program	III.B5.1-b	3.5.1-31	583, C			
					Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, C			
Fuel Related Component - Carbon Steel, Protected (anchor bolts for SFP gates, liners, transfer tube appurtenances)	Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Water Chemistry Program	III.A5.2-b	3.5.1-23	578, 579, F	III.B2-9	5-33	E, 578, 579
Fuel Related Component - Stainless, Protected (anchor bolts for SFP gates, liners, transfer tube appurtenances)	Structural Support for Safety Related	Stainless Steel	Plant Indoor Air (Ext)	Cracking	None Required	III.A5.2-b	3.5.1-23	535, G	N/A	N/A	N/A

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Fuel Related Component - Stainless, Borated (liner plates, gates, transfer tube expansion bellows)	Expansion / Separation Fluid Pressure Boundary Structural Support for Safety Related	Stainless Steel	Treated Water (Ext)	Cracking	None Required	III.A5.2-b	3.5.1-23	535, E			
				Loss of Material	Water Chemistry Program	III.A5.2-b	3.5.1-23	523, 578, A			
HELB/MELB Component - Carbon Steel, Protected (doors, scuttle, blowout panels, floor drains & screens, guard pipes, louvers, whip restraints, bellows, spray shields, etc.)	Direct Flow Flood Protection HELB Shielding Pipe Whip Restraint	Carbon Steel	Plant Indoor Air (Ext)	Loss of Leak Tightness	Structural Monitoring Program	III.A3.2-a	3.5.1-20	532, H	N/A	N/A	N/A

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				Loss of Material	Boric Acid Corrosion Program	III.B5.1-b	3.5.1-31	583, C			
					Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, C			
HELB/MELB Component - Concrete, Protected (curbs & pipe whip restraint grout, concrete at locations of expansion & grouted anchors)	Flood Protection HELB Shielding Pipe Whip Restraint Direct Flow	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			

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				Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
HVAC Component - Stainless, Protected (Control Room vestibule door)	Fluid Pressure Boundary Structural Support for Safety Related	Stainless Steel	Plant Indoor Air (Ext)	Cracking	None Required	III.A3.2-a		588, F	N/A	N/A	N/A
HVAC Component - Carbon Steel, Protected (Control Room vestibule door)	Fluid Pressure Boundary Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Leak Tightness	Structural Monitoring Program	III.A3.2-a	3.5.1-20	533, H	N/A	N/A	N/A
				Loss of Material	Boric Acid Corrosion Program	III.B5.1-b	3.5.1-31	583, C			
					Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, C			

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HVAC Component - Concrete, Protected (Control Room vestibules, concrete & masonry walls, floors, ceilings)	Fluid Pressure Boundary Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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HVAC Component - Galvanized, Protected (damper & louver frames)	Fire Barrier Structural Support for Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B5.1-b	3.5.1-31	581, 583, C			
					Structural Monitoring Program	III.A3.2-a	3.5.1-20	581, C			
Missile Shield - Carbon Steel, Protected (steel doors and structural steel missile barrier)	Missile Barrier Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B5.1-b	3.5.1-31	583, C			
					Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, C			

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Operator Access Component - Carbon Steel, Protected (stairs, floors, platforms, welds, bolted connections, etc.)	Structural Support for Non-Safety Related Structural Support for Regulated Events	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B5.1-b	3.5.1-31	583, A			
					Structural Monitoring Program	III.A3.2-a	3.5.1-20	A			
Operator Access Component - Concrete, Protected (stairs, floors, platforms, concrete at locations of expansion & grouted anchors, etc.)	Structural Support for Non-Safety Related Structural Support for Regulated Events	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-h	3.5.1-25	A			

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				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			
				Loss of Strength	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Operator Access Component - Galvanized, Protected (stairs, walkways, removable platform, welds, bolted connections)	Structural Support for Non-Safety Related Structural Support for Regulated Events	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B5.1-b	3.5.1-31	581, 583, C			

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					Structural Monitoring Program	III.A3.2-a	3.5.1-20	581, A			

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ASME 1 Support - Containment - Carbon Steel, Protected	Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.1.1-a	3.5.1-32	A			
					Boric Acid Corrosion Program	III.B1.1.1-b	3.5.1-31	A			
ASME 1 Support - Containment - Concrete, Protected	Structural Support for Safety Related	Concrete	Containment Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B1.1.4-a	3.5.1-29	A			
ASME 1 Support - Containment - Sliding Material, Cont Cavity	Expansion/ Separation Structural Support for Safety Related	Bronze	Containment Air (Ext)	Loss of Material	None Required	III.A4.2-b	3.5.1-20	515, I	N/A	N/A	A, 515, 5004
ASME 1 Support - Containment - Sliding Material, Protected	Expansion/ Separation Structural Support for Safety Related	Bronze	Containment Air (Ext)	Loss of Mechanical Function	None Required	III.B1.1.3-a	3.5.1-32	515, I	N/A	N/A	A, 515, 5004

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ASME Class 1 Tubing Support - Auxiliary Bldg, Carbon Steel, Protected	Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.1.1-a	3.5.1-32	A			
					Boric Acid Corrosion Program	III.B1.1.1-b	3.5.1-31	583, A			
ASME 2 & 3 Support - Turbine (Water Treatment Area) - Carbon Steel, Protected	Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	A			
ASME 2 & 3 Support - Turbine (Water Treatment Area) - Concrete, Protected	Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B1.2.3-a	3.5.1-29	A			

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ASME Class 2 & 3 Piping & Mechanical Component Support - Auxiliary Bldg, Carbon Steel, Protected	Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	A			
					Boric Acid Corrosion Program	III.B1.2.1-b	3.5.1-31	583, A			
ASME Class 2 & 3 Piping & Mechanical Component Support - Auxiliary Bldg, Cast Iron, Protected	Structural Support for Safety Related	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	582, F	N/A	N/A	N/A
					Boric Acid Corrosion Program	III.B1.2.1-b	3.5.1-31	582, F	N/A	N/A	N/A

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ASME Class 2 & 3 Piping & Mechanical Component Support - Auxiliary Bldg, Concrete, Protected	Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B1.2.3-a	3.5.1-29	A			
ASME Class 2 & 3 Piping & Mechanical Component Support - Auxiliary Bldg, Galvanized, Protected	Structural Support for Regulated Events Structural Support for Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	581, A			
					Boric Acid Corrosion Program	III.B1.2.1-b	3.5.1-31	581, 583, A			

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ASME Class 2 & 3 Piping & Mechanical Component Support - Auxiliary Bldg, Sliding Material, Protected	Expansion/ Separation Structural Support for Safety Related	Bronze	Plant Indoor Air (Ext)	Loss of Mechanical Function	None Required	III.B1.2.2-a	3.5.1-32	515, I	N/A	N/A	A, 515, 5004
ASME Class 2 & 3 Piping & Mechanical Component Support - Containment Bldg, Carbon Steel, Cont Cavity	Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	A			
					Boric Acid Corrosion Program	III.B1.2.1-b	3.5.1-31	A			

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ASME Class 2 & 3 Piping & Mechanical Component Support - Containment Bldg, Carbon Steel, Protected	Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	A			
					Boric Acid Corrosion Program	III.B1.2.1-b	3.5.1-31	A			
ASME Class 2 & 3 Piping & Mechanical Component Support - Containment Bldg, Concrete, Protected	Structural Support for Safety Related	Concrete	Containment Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B1.2.3-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
ASME Class 2 & 3 Piping & Mechanical Component Support - Containment Bldg, Galvanized, Cont Cavity	Structural Support for Safety Related	Galvanized	Containment Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	581, A			
					Boric Acid Corrosion Program	III.B1.2.1-b	3.5.1-31	581, A			
ASME Class 2 & 3 Piping & Mechanical Component Support - Containment Bldg, Galvanized, Protected	Structural Support for Safety Related	Galvanized	Containment Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	A			
					Boric Acid Corrosion Program	III.B1.2.1-b	3.5.1-31	581, A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
ASME Class 2 & 3 Piping & Mechanical Component Support - Containment Bldg, Sliding Material, Protected	Expansion/ Separation Structural Support for Safety Related	Bronze	Containment Air (Ext)	Loss of Mechanical Function	None Required	III.B1.2.2-a	3.5.1-32	515, I	N/A	N/A	A, 515, 5004
ASME Class 2 & 3 Piping & Mechanical Component Support - Containment Bldg, Stainless, Borated	Structural Support for Safety Related	Stainless Steel	Treated Water (Ext)	Loss of Material	Water Chemistry Program	III.A5.2-b	3.5.1-23	567, 587, C			
ASME Class 2 & 3 Piping & Mechanical Component Support - Intake Structure Bldg, Carbon Steel, Protected	Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
ASME Class 2 & 3 Piping & Mechanical Component Support - Intake Structure Bldg, Concrete, Protected	Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B1.2.3-a	3.5.1-29	A			
ASME Class 2 & 3 Piping & Mechanical Component Support - Intake Structure Bldg, Galvanized, Protected	Structural Support for Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	A			
ASME Class 2 & 3 Piping & Mechanical Component Support - Turbine Bldg, Carbon Steel, Protected	Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
ASME Class 2 & 3 Piping & Mechanical Component Support - Turbine Bldg, Concrete, Protected	Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B1.2.3-a	3.5.1-29	A			
ASME Class 2 & 3 Piping & Mechanical Component Support - Turbine Bldg, Galvanized, Protected	Structural Support for Regulated Events Structural Support for Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	581, A			
ASME Class 2 & 3 Piping & Mechanical Component Support - Turbine Bldg, Sliding, Protected	Expansion/ Separation Structural Support for Safety Related	Bronze	Plant Indoor Air (Ext)	Loss of Mechanical Function	None Required	III.B1.2.2-a	3.5.1-32	515, I	N/A	N/A	A, 515, 5004

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
ASME Class 2 & 3 Piping & Mechanical Component Support - Yard, Aluminum, Exposed	Structural Support for Safety Related	Aluminum	Atmosphere/ Weather (Ext)	Loss of Material	Boric Acid Corrosion Program			501, F	III.B1.2-4	5-36	A, 501
ASME Class 2 & 3 Piping & Mechanical Component Support - Yard, Carbon Steel, Below Grade	Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	518, A			
ASME Class 2 & 3 Piping & Mechanical Component Support - Yard, Carbon Steel, Exposed	Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.2.1-a	3.5.1-32	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
ASME Class 2 & 3 Piping & Mechanical Component Support - Yard, Concrete, Exposed	Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Atmosphere/ Weather (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B1.2.3-a	3.5.1-29	A			
Elec Component Support - Auxiliary Bldg, Carbon Steel, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	583, A			
						III.B3.1-b	3.5.1-31	583, A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B3.1-a	3.5.1-29	A			
Elec Component Support - Auxiliary Bldg, Carbon Steel, Raw Water	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Raw Water (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	594, A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Elec Component Support - Auxiliary Bldg, Concrete, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B3.2-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Elec Component Support - Auxiliary Bldg, Concrete, Raw Water	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Raw Water (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
Elec Component Support - Auxiliary Bldg, Galvanized, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	581, A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
						III.B3.1-b	3.5.1-31	581, A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B3.1-a	3.5.1-29	581, A			
Elec Component Support - Auxiliary Bldg, Galvanized, Raw Water	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Galvanized	Raw Water (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, 594, A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Elec Component Support - Containment Bldg, Carbon Steel, Containment Cavity	Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	A			
						III.B3.1-b	3.5.1-31	A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B3.1-a	3.5.1-29	A			
Elec Component Support - Containment Bldg, Carbon Steel, Protected	Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	A			
						III.B3.1-b	3.5.1-31	A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			

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						III.B3.1-a	3.5.1-29	A			
Elec Component Support - Containment Bldg, Concrete, Protected	Structural Support for Safety Related	Concrete	Containment Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B3.2-a	3.5.1-29	A			
Elec Component Support - Containment Bldg, Galvanized, Containment Cavity	Structural Support for Safety Related	Galvanized	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	581, A			
						III.B3.1-b	3.5.1-31	581, A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B3.1-a	3.5.1-29	581, A			

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Elec Component Support - Containment Bldg, Galvanized, Protected	Structural Support for Safety Related	Galvanized	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	581, A			
						III.B3.1-b	3.5.1-31	581, A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B3.1-a	3.5.1-29	581, A			
Elec Component Support - Discharge Structure, Carbon Steel, Protected	Structural Support for Non-Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B3.1-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Elec Component Support - Discharge Structure, Galvanized, Protected	Structural Support for Non-Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B3.1-a	3.5.1-29	581, A			
Elec Component Support - Intake Structure Bldg, Carbon Steel, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B3.1-a	3.5.1-29	A			

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Elec Component Support - Intake Structure Bldg, Concrete, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B3.2-a	3.5.1-29	A			

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Elec Component Support - Intake Structure Bldg, Galvanized, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B3.1-a	3.5.1-29	581, A			
Elec Component Support - Switch Yard Relay House Group Bldg, Carbon Steel, Protected	Structural Support for Regulated Events	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B3.1-a	3.5.1-29	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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Elec Component Support - Switch Yard Relay House Group Bldg, Concrete, Protected	Structural Support for Regulated Events	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B3.2-a	3.5.1-29	A			
Elec Component Support - Switch Yard Relay House Group Bldg, Galvanized, Protected	Structural Support for Regulated Events	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B3.1-a	3.5.1-29	581, A			
Elec Component Support - Turbine Bldg, Carbon Steel, Protected	Structural Support for Regulated Events	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B3.1-a	3.5.1-29	A			

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Elec Component Support - Turbine Bldg, Concrete, Protected	Structural Support for Regulated Events	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B3.2-a	3.5.1-29	A			
Elec Component Support - Turbine Bldg, Galvanized, Protected	Structural Support for Regulated Events	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B3.1-a	3.5.1-29	581, A			
Elec Component Support - Yard, Carbon Steel, Exposed	Structural Support for Regulated Events	Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B3.1-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Elec Component Support - Yard, Concrete, Exposed	Structural Support for Regulated Events	Concrete	Atmosphere/ Weather (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B3.2-a	3.5.1-29	A			
Elec Component Support - Yard, Galvanized, Exposed	Structural Support for Regulated Events	Galvanized	Atmosphere/ Weather (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B3.1-a	3.5.1-29	581, A			
Elec Component Support - Yard, Galvanized, Raw Water	Structural Support for Regulated Events	Galvanized	Raw Water (Ext)	Loss of Material	Structural Monitoring Program	III.B3.1-a	3.5.1-29	581, 594, A			
High Strength Bolting - Containment Building, Carbon Steel, Protected	Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Cracking	Bolting Integrity Program	III.B1.1.2-a	3.5.1-33	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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Loss of Material	ASME Section XI IWB, IWC, IWD, IWF Inservice Inspection Program	III.B1.1.1-a	3.5.1-32	A			
						III.B1.2.1-a	3.5.1-32	A			
					Boric Acid Corrosion Program	III.B1.1.1-b	3.5.1-31	A			
						III.B1.2.1-b	3.5.1-31	A			
Non-ASME Component Support - Auxiliary Bldg, Aluminum, Protected	Structural Support for Safety Related	Aluminum	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	VII.A1.1-a	3.3.1-11	503, F	III.B2-5	5-36	A, 503

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Non-ASME Piping & Mechanical Component Support - Auxiliary Bldg, Carbon Steel, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	583, A			
						III.B4.1-b	3.5.1-31	583, A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B4.1-a	3.5.1-29	A			

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Non-ASME Piping & Mechanical Component Support - Auxiliary Bldg, Concrete, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B4.3-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Auxiliary Bldg, Galvanized, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	581, 583, A			
						III.B4.1-b	3.5.1-31	581, 583, A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B4.1-a	3.5.1-29	581, A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Auxiliary Bldg, Stainless, Borated	Structural Support for Safety Related	Stainless Steel	Treated Water (Ext)	Loss of Material	Water Chemistry Program	III.A5.2-b	3.5.1-23	578, C			
Non-ASME Piping & Mechanical Component Support - Boiler Building, Carbon Steel, Protected	Structural Support for Non-Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B4.1-a	3.5.1-29	A			
Non-ASME Piping & Mechanical Component Support - Boiler Building, Concrete, Protected	Structural Support for Non-Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
						III.B4.3-a	3.5.1-29	A			
Non-ASME Piping & Mechanical Component Support - Containment Bldg, Aluminum, Protected	Structural Support for Non-Safety Related	Aluminum	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program			502, F	III.B2-5	5-36	A, 502
Non-ASME Piping & Mechanical Component Support - Containment Bldg, Carbon Steel, Containment Cavity	Structural Support for Non-Safety Related Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	A			
						III.B4.1-b	3.5.1-31	A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
						III.B4.1-a	3.5.1-29	A			
Non-ASME Piping & Mechanical Component Support - Containment Bldg, Carbon Steel, Protected	Structural Support for Non-Safety Related Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	A			
						III.B4.1-b	3.5.1-31	A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B4.1-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Containment Bldg, Concrete, Protected	Structural Support for Non-Safety Related Structural Support for Safety Related	Concrete	Containment Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B4.3-a	3.5.1-29	A			
Non-ASME Piping & Mechanical Component Support - Containment Bldg, Galvanized, Containment Cavity	Structural Support for Non-Safety Related Structural Support for Safety Related	Galvanized	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	581, A			
						III.B4.1-b	3.5.1-31	581, A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
						III.B4.1-a	3.5.1-29	581, A			
Non-ASME Piping & Mechanical Component Support - Containment Bldg, Galvanized, Protected	Structural Support for Non-Safety Related Structural Support for Safety Related	Galvanized	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B2.1-b	3.5.1-31	581, A			
						III.B4.1-b	3.5.1-31	581, A			
					Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B4.1-a	3.5.1-29	581, A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Containment Bldg, Stainless, Borated	Structural Support for Non-Safety Related Structural Support for Safety Related	Stainless Steel	Treated Water (Ext)	Loss of Material	Water Chemistry Program	III.A5.2-b	3.5.1-23	567, 587, C			
Non-ASME Piping & Mechanical Component Support - Discharge Structure, Carbon Steel, Protected	Structural Support for Non-Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B4.1-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Discharge Structure, Cast Iron, Protected	Structural Support for Non-Safety Related	Cast Iron	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	582, F	N/A	N/A	N/A
Non-ASME Piping & Mechanical Component Support - Discharge Structure, Concrete, Protected	Structural Support for Non-Safety Related	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B4.3-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Discharge Structure, Galvanized, Protected	Structural Support for Non-Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B4.1-a	3.5.1-29	581, A			
Non-ASME Piping & Mechanical Component Support - Feedwater Purity Bldg, Carbon Steel, Protected	Structural Support for Regulated Events	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B4.1-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Feedwater Purity Bldg, Concrete, Protected	Structural Support for Regulated Events	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B4.3-a	3.5.1-29	A			
Non-ASME Piping & Mechanical Component Support - Intake Structure Bldg, Carbon Steel, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B4.1-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Intake Structure Bldg, Concrete, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B4.3-a	3.5.1-29	A			
Non-ASME Piping & Mechanical Component Support - Intake Structure Bldg, Galvanized, Protected	Structural Support for Non-Safety Related Structural Support for Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B4.1-a	3.5.1-29	581, A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Turbine Bldg, Carbon Steel, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B4.1-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Turbine Bldg, Concrete, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B4.3-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Turbine Bldg, Galvanized, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B4.1-a	3.5.1-29	581, A			
Non-ASME Piping & Mechanical Component Support - Water Treatment Bldg, Carbon Steel, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B4.1-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Water Treatment Bldg, Concrete, Protected	Structural Support for Non-Safety Related Structural Support for Regulated Events	Concrete	Plant Indoor Air (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B4.3-a	3.5.1-29	A			
Non-ASME Piping & Mechanical Component Support - Yard, Carbon Steel, Exposed	Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	A			
						III.B4.1-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Yard, Concrete, Exposed	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Atmosphere/ Weather (Ext)	Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B2.2-a	3.5.1-29	A			
						III.B4.3-a	3.5.1-29	A			

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Non-ASME Piping & Mechanical Component Support - Yard, Galvanized, Exposed	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Galvanized	Atmosphere/ Weather (Ext)	Loss of Material	Structural Monitoring Program	III.B2.1-a	3.5.1-29	581, A			
						III.B4.1-a	3.5.1-29	581, A			
Spent Fuel Storage Rack - Auxiliary Building, Boron Carbide, Borated Water	Radiation Shielding	Boron Carbide	Treated Water (Ext)	Loss of Material	None Required	VII.A2.1-b	3.3.1-10	595, F	N/A	N/A	N/A

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Table 3.5.2-2 Structures and Component Supports - Component Supports - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Spent Fuel Storage Rack - Auxiliary Building, Stainless Steel, Borated Water	Structural Support for Safety Related	Stainless Steel	Treated Water (Ext)	Loss of Material	Water Chemistry Program	VII.A2.1-c	3.3.1-13	H	III.A5-13	5-25	C

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Table 3.5.2-3 Structures and Component Supports - Containment - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Containment Shell & Base Slab - Containment Bldg, Carbon Steel, Protected (air locks, equipment hatch, liner plate, penetrations)	Heat Sink Pressure Boundary/ Fission Product Retention Structural Support for Safety Related Structural Support for Regulated Events	Carbon Steel	Containment Air (Ext)	Loss of Leak Tightness	Containment Leakage Testing Program	II.A3.2-b	3.5.1-05	538, A			
				Loss of Material	Boric Acid Corrosion Program	II.A1.2-a	3.5.1-12	577, A			
					Containment Inservice Inspection Program	II.A1.2-a	3.5.1-12	A			
						II.A3.1-a	3.5.1-03	A			
						II.A3.2-a	3.5.1-04	A			

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Table 3.5.2-3 Structures and Component Supports - Containment - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
					Containment Leakage Testing Program	II.A1.2-a	3.5.1-12	A			
						II.A3.1-a	3.5.1-03	A			
						II.A3.2-a	3.5.1-04	A			
Containment Shell & Base Slab - Containment Bldg, Concrete, Below Grade (base mat, foundation, wall, embedded steel, etc.)	Pressure Boundary/ Fission Product Retention Radiation Shielding Structural Support for Safety Related Shelter/ Protection	Concrete	Soil (Ext)	Change in Material Properties	None Required	II.A1.1-b	3.5.1-07	572, A			
						II.A1.1-c	3.5.1-07	573, A			
				Cracking	None Required	II.A1.1-f	3.5.1-08	547, A			

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Table 3.5.2-3 Structures and Component Supports - Containment - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking and Expansion	None Required	II.A1.1-d	3.5.1-16	574, A			
				Cracking, Loss of Bond/Matl	None Required	II.A1.1-e	3.5.1-07	573, A			
				Loss of Material	None Required	II.A1.1-a	3.5.1-16	575, A			
					None Required	II.A1.1-c	3.5.1-07	573, A			

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Table 3.5.2-3 Structures and Component Supports - Containment - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Containment Shell & Base Slab - Containment Bldg, Concrete, Exposed (dome, wall, base mat, embedded steel, etc.)	Heat Sink Missile Barrier Pressure Boundary/ Fission Product Retention Radiation Shielding Shelter / Protection Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Containment Inservice Inspection Program	II.A1.1-b	3.5.1-07	A			
						II.A1.1-c	3.5.1-07	A			
				Cracking	Containment Inservice Inspection Program	II.A1.1-a	3.5.1-16	A			

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Table 3.5.2-3 Structures and Component Supports - Containment - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
					Structural Monitoring Program	II.A1.1-f	3.5.1-08	547, A			
				Cracking and Expansion	Containment Inservice Inspection Program	II.A1.1-d	3.5.1-16	A			
				Cracking, Loss of Bond/Matl	Containment Inservice Inspection Program	II.A1.1-e	3.5.1-07	A			
				Loss of Material	Containment Inservice Inspection Program	II.A1.1-a	3.5.1-16	A			
						II.A1.1-c	3.5.1-07	A			
Containment Shell & Base Slab - Containment Bldg, Elastomer, Protected (seals, gaskets, moisture barriers)	Pressure Boundary/ Fission Product Retention Shelter/ Protection	Elastomers	Containment Air (Ext)	Change in Material Properties	Containment Inservice Inspection Program	II.A3.3-a	3.5.1-06	A			

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Table 3.5.2-3 Structures and Component Supports - Containment - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
					Containment Leakage Testing Program	II.A3.3-a	3.5.1-06	A			
				Cracking	Containment Inservice Inspection Program	II.A3.3-a	3.5.1-06	A			
					Containment Leakage Testing Program	II.A3.3-a	3.5.1-06	A			
Containment Shell & Base Slab - Containment Bldg, Stainless Steel, Protected (fuel transfer tube and closure flange)	Heat Sink Pressure Boundary/ Fission Product Retention	Stainless Steel	Containment Air (Ext)	Loss of Material	Containment Inservice Inspection Program	II.A3.1-a	3.5.1-03	570, A			
					Containment Leakage Testing Program	II.A3.1-a	3.5.1-03	570, A			

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Precedent Tables for Section 3.5, Structures and Component Supports**

Table 3.5.2-3 Structures and Component Supports - Containment - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Containment Shell Prestressing System - Containment Bldg, Carbon Steel, Exposed (includes tendons and anchorage components)	Pressure Boundary/ Fission Product Retention Structural Support for Safety Related	Carbon Steel	Atmosphere/ Weather (Ext)	Loss of Material	Containment Inservice Inspection Program	II.A1.3-a	3.5.1-15	A			

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Table 3.5.2-4 Structures and Component Supports - Containment Interior Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Carbon Steel, Protected (column, beam, truss, platform, floor grating or plate, catwalk, bracing, threaded fastener, concrete expansion bolt, column base plate, welds, etc.)	Heat Sink HELB Shielding Pipe Whip Restraint Structural Support for Regulated Events Structural Support for Safety Related Support for Non-Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.A4.2-a	3.5.1-20	580, 585, H	III.B5-7	5-36	A, 580, 585
						III.B5.1-b	3.5.1-29	A			
					Structural Monitoring Program	III.A4.2-a	3.5.1-20	580, A			

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Table 3.5.2-4 Structures and Component Supports - Containment Interior Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Concrete, Containment Cavity (reactor shield walls including reinforcements, inserts, grouted anchors)	Heat Sink HELB Shielding Missile Barrier Radiation Shielding Structural Support for Safety Related	Concrete	Containment Air (Ext)	Cracking and Expansion	Structural Monitoring Program	III.A4.1-b	3.5.1-20	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A4.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A4.1-a	3.5.1-20	A			
				Change in Material Properties	None Required	III.A4.1-c	3.5.1-27	576, A			

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Table 3.5.2-4 Structures and Component Supports - Containment Interior Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Concrete, Protected (concrete & masonry wall, column, pedestal, beam, slab, grout, reinforcements, concrete around expansion & grouted anchors, etc.)	Direct Flow Heat Sink HELB Shielding Pipe Whip Restraint Radiation Shielding Structural Support for Regulated Events Structural Support for Non-Safety Related Structural Support for Safety Related	Concrete	Containment Air (Ext)	Cracking	Structural Monitoring Program			559, H			
				Cracking and Expansion	Structural Monitoring Program	III.A4.1-b	3.5.1-20	A			

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Table 3.5.2-4 Structures and Component Supports - Containment Interior Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A4.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A4.1-a	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Fuel Related Component - Stainless, Protected (refueling cavity liner, containment liner and sump screen, transfer tube)	Structural Support for Safety Related	Stainless Steel	Containment Air (Ext)	Cracking	None Required	III.A5.2-b	3.5.1-23	535, E			
				Loss of Material	Water Chemistry Program	III.A5.2-b	3.5.1-23	578, 587, A			
					Structural Monitoring Program	III.A5.2-b	3.5.1-23	596, E			

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Table 3.5.2-4 Structures and Component Supports - Containment Interior Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Fuel Related Component - Carbon Steel, Protected (anchor bolts for refueling cavity liner and transfer tube appurtenances)	Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Water Chemistry Program	III.A5.2-b	3.5.1-23	578, 579, F	III.B2-9	5-33	E, 578, 579
HELB/MELB Component - Carbon Steel, Protected (steel curbs, pipe whip restraints, spray shields, etc.)	HELB Shielding Pipe Whip Restraint Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B5.1-b	3.5.1-31	C			
					Structural Monitoring Program	III.A4.2-a	3.5.1-20	580, C			

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Table 3.5.2-4 Structures and Component Supports - Containment Interior Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
HELB/MELB Component - Concrete, Protected (curbs, sump, pipe whip restraint grout, concrete at locations of expansion & grouted anchors, etc.)	Direct Flow Flood Protection Heat Sink HELB Shielding Pipe Whip Restraint	Concrete	Containment Air (Ext)	Cracking	Structural Monitoring Program			H	III.A3-11	5-26	A
				Cracking and Expansion	Structural Monitoring Program	III.A4.1-b	3.5.1-20	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A4.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A4.1-a	3.5.1-20	A			
				Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Table 3.5.2-4 Structures and Component Supports - Containment Interior Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
HVAC Component - Carbon Steel, Protected (damper & louver mounting frames)	Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B5.1-b	3.5.1-31	C			
					Structural Monitoring Program	III.A4.2-a	3.5.1-20	580, C			
HVAC Component - Galvanized, Protected (damper & louver mounting frames)	Structural Support for Safety Related	Galvanized	Containment Air (Ext)	Loss of Material	Boric Acid Corrosion Program	III.B5.1-b	3.5.1-31	C			
					Structural Monitoring Program	III.A4.2-a	3.5.1-20	580, C			

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Table 3.5.2-4 Structures and Component Supports - Containment Interior Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Missile Shield - Concrete, Containment Cavity (removable missile shield above reactor vessel)	Heat Sink Missile Barrier	Concrete	Containment Air (Ext)	Cracking and Expansion	Structural Monitoring Program	III.A4.1-b	3.5.1-20	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A4.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A4.1-a	3.5.1-20	A			
				Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Table 3.5.2-5 Structures and Component Supports - Discharge Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Cast Iron, Raw Water (sluice gates)	Structural Support for Non-Safety Related	Cast Iron	Raw Water (Ext)	Loss of Material	Structural Monitoring Program	III.A6.2-a	3.5.1-22	580, 582, A			
Building Framing - Discharge/Intake Crib - Carbon Steel, Raw Water (sluice gate, column, bracket, beam, bracing, threaded fastener, connector, weld, etc.)	Structural Support for Non-Safety Related	Carbon Steel	Raw Water (Ext)	Loss of Material	Structural Monitoring Program	III.A6.2-a	3.5.1-22	580, A			

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Table 3.5.2-5 Structures and Component Supports - Discharge Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Concrete, Below Grade (wall, footing, foundation, slab, grout, reinforcement, trenches, cable pits, tunnels, etc.)	Structural Support for Non-Safety Related	Concrete	Soil (Ext)	Loss of Material	None Required	III.A6.1-a	3.5.1-22	571, A			
						III.A6.1-e	3.5.1-22	544, A			
				Change in Material Properties	None Required	III.A6.1-b	3.5.1-22	557, A			
						III.A6.1-e	3.5.1-22	544, A			
				Cracking and Expansion	None Required	III.A6.1-c	3.5.1-22	543, A			
				Cracking, Loss of Bond/Matl	None Required	III.A6.1-d	3.5.1-22	544, A			
				Cracking	None Required	III.A6.1-f	3.5.1-22	547, A			

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Table 3.5.2-5 Structures and Component Supports - Discharge Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Concrete, Exposed (foundations, masonry & concrete wall, floor/ roof slab, grout, reinforcements, steel shapes, concrete around expansion & grouted anchors)	Structural Support for Non-Safety Related	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program	III.A6.1-b	3.5.1-22	A			
						III.A6.1-e	3.5.1-22	A			
				Cracking	Structural Monitoring Program	III.A6.3-a	3.5.1-24	A			
						III.A6.1-a	3.5.1-22	A			
						III.A6.1-f	3.5.1-22	A			
				Cracking and Expansion	Structural Monitoring Program	III.A6.1-c	3.5.1-22	A			

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Table 3.5.2-5 Structures and Component Supports - Discharge Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A6.1-d	3.5.1-22	A			
				Loss of Material	Structural Monitoring Program	III.A6.1-a	3.5.1-22	A			
						III.A6.1-e	3.5.1-22	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Building Framing - Concrete, Raw Water (wall, footing, foundation, slab, grout, reinforcements)	Structural Support for Non-Safety Related	Concrete	Raw Water (Ext)	Change in Material Properties	Structural Monitoring Program	III.A6.1-b	3.5.1-22	557, A			
						III.A6.1-e	3.5.1-22	A			
				Cracking	Structural Monitoring Program	III.A6.1-a	3.5.1-22	A			

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Table 3.5.2-5 Structures and Component Supports - Discharge Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
						III.A6.1-f	3.5.1-22	A			
				Cracking and Expansion	Structural Monitoring Program	III.A6.1-c	3.5.1-22	A			
				Loss of Material	Structural Monitoring Program	III.A6.1-a	3.5.1-22	A			
						III.A6.1-e	3.5.1-22	A			
						III.A6.1-h	3.5.1-22	A			

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Table 3.5.2-6 Structures and Component Supports - Feedwater Purity Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Carbon Steel, Protected (column, beam, bracing, threaded fastener, concrete expansion bolt, column base plate, welds, etc.)	Structural Support for Regulated Events	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, A			
Building Framing - Concrete, Below Grade (pedestal, grade beam, footing, foundation, slab, grout, reinforcement, trenches, cable pits, etc.)	Structural Support for Regulated Events	Concrete	Soil (Ext)	Loss of Material	None Required	III.A3.1-a	3.5.1-20	571, A			
						III.A3.1-g	3.5.1-21	544, A			

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Table 3.5.2-6 Structures and Component Supports - Feedwater Purity Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Change in Material Properties	None Required	III.A3.1-b	3.5.1-20	557, A			
						III.A3.1-g	3.5.1-21	544, A			
				Cracking and Expansion	None Required	III.A3.1-c	3.5.1-20	543, A			
				Cracking, Loss of Bond/Matl	None Required	III.A3.1-e	3.5.1-21	544, A			
				Cracking	None Required	III.A3.1-h	3.5.1-25	547, A			
Building Framing - Concrete, Exposed (foundations, masonry/ concrete wall, grout, reinforcement, concrete around expansion & grouted anchors, etc.)	Structural Support for Regulated Events	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			

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Table 3.5.2-6 Structures and Component Supports - Feedwater Purity Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
						III.A3.1-f	3.5.1-20	A			
				Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-a	3.5.1-20	A			
						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Table 3.5.2-6 Structures and Component Supports - Feedwater Purity Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Concrete, Protected (foundations, masonry/ concrete wall, column, pedestal, beam, slab, grout, reinforcement, concrete around expansion & grouted anchors, etc.)	Structural Support for Regulated Events	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			

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Table 3.5.2-6 Structures and Component Supports - Feedwater Purity Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Loss of Strength	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Table 3.5.2-7 Structures and Component Supports - Intake Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Carbon Steel, Raw Water (gates, guides, and trash racks)	Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Raw Water (Ext)	Loss of Material	Structural Monitoring Program	III.A6.2-a	3.5.1-22	580, A			
Building Framing - Cast Iron, Raw Water (Sluice Gates)	Structural Support for Regulated Events Structural Support for Safety Related	Cast Iron	Raw Water (Ext)	Loss of Material	Structural Monitoring Program	III.A6.2-a	3.5.1-22	580, 582, A			
Building Framing - Galvanized, Raw Water (fasteners and anchor bolts)	Structural Support for Regulated Events Structural Support for Safety Related	Galvanized	Raw Water (Ext)	Loss of Material	Structural Monitoring Program	III.A6.2-a	3.5.1-22	581, A			

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Table 3.5.2-7 Structures and Component Supports - Intake Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Concrete, Below Grade (wall, foundation, slab, grout, reinforcement, trenches, cable pits, tunnels, etc.)	Shelter / Protection Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Soil (Ext)	Loss of Material	None Required	III.A6.1-a	3.5.1-22	571, A			
						III.A6.1-e	3.5.1-22	544, A			
				Change in Material Properties	None Required	III.A6.1-b	3.5.1-22	557, A			
						III.A6.1-e	3.5.1-22	544, A			
				Cracking and Expansion	None Required	III.A6.1-c	3.5.1-22	543, A			
				Cracking, Loss of Bond/Matl	None Required	III.A6.1-d	3.5.1-22	544, A			

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Table 3.5.2-7 Structures and Component Supports - Intake Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking	None Required	III.A6.1-f	3.5.1-22	547, A			
Building Framing - Concrete, Exposed (wall, beam, floor slab, roof slab, grout, reinforcements, grouted anchors, etc.)	Fire Barrier Flood Protection Missile Barrier Shelter/Protection Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program	III.A6.1-b	3.5.1-22	A			
						III.A6.1-e	3.5.1-22	A			
				Cracking	Structural Monitoring Program	III.A6.3-a	3.5.1-24	A			
						III.A6.1-a	3.5.1-22	A			

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Table 3.5.2-7 Structures and Component Supports - Intake Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
						III.A6.1-f	3.5.1-22	A			
				Cracking and Expansion	Structural Monitoring Program	III.A6.1-c	3.5.1-22	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A6.1-d	3.5.1-22	A			
				Loss of Material	Structural Monitoring Program	III.A6.1-a	3.5.1-22	A			
						III.A6.1-e	3.5.1-22	A			
				Reduction in concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Precedent Tables for Section 3.5, Structures and Component Supports**

Table 3.5.2-7 Structures and Component Supports - Intake Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Concrete, Protected (wall, beam, floor slab, grout, reinforcements, grouted anchors, etc.)	Direct Flow Flood Protection Shelter/ Protection Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A6.3-a	3.5.1-24	A			
						III.A6.1-f	3.5.1-22	A			
				Cracking and Expansion	Structural Monitoring Program	III.A6.1-c	3.5.1-22	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A6.1-d	3.5.1-22	A			
				Loss of Material	Structural Monitoring Program	III.A6.1-a	3.5.1-22	A			

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Table 3.5.2-7 Structures and Component Supports - Intake Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
						III.A6.1-e	3.5.1-22	A			
				Loss of Strength	Structural Monitoring Program	III.A6.1-b	3.5.1-22	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Building Framing - Concrete, Raw Water (wall, column, beam, footing, foundation slab, floor slab, grout, reinforcements, etc.)	Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Raw Water (Ext)	Change in Material Properties	Structural Monitoring Program	III.A6.1-b	3.5.1-22	A			
						III.A6.1-e	3.5.1-22	A			
				Cracking	Structural Monitoring Program	III.A6.1-a	3.5.1-22	A			
						III.A6.1-f	3.5.1-22	A			

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Table 3.5.2-7 Structures and Component Supports - Intake Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking and Expansion	Structural Monitoring Program	III.A6.1-c	3.5.1-22	A			
				Loss of Material	Structural Monitoring Program	III.A6.1-a	3.5.1-22	A			
						III.A6.1-e	3.5.1-22	A			
						III.A6.1-h	3.5.1-22	A			
Flood Barrier - Concrete, Protected (concrete interior wall in southeast corner)	Flood Protection	Concrete	Plant Indoor Air (Ext)	Cracking and Expansion	Structural Monitoring Program	III.A6.1-c	3.5.1-22	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program	III.A6.1-d	3.5.1-22	A			
				Loss of Material	Structural Monitoring Program	III.A6.1-e	3.5.1-22	A			
				Loss of Strength	Structural Monitoring Program	III.A6.1-b	3.5.1-22	A			

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Table 3.5.2-7 Structures and Component Supports - Intake Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
HELB/MELB Component - Carbon Steel, Protected (steel curbs, floor drains, shields, etc.)	Direct Flow Flood Protection Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.A6.2-a	3.5.1-22	580, C			
HELB/MELB Component - Concrete, Protected (concrete / masonry wall, curbs, etc.)	Direct Flow Flood Protection	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A6.3-a	3.5.1-24	A			
				Cracking and Expansion	Structural Monitoring Program (XI.S6)	III.A6.1-c	3.5.1-22	A			
				Cracking, Loss of Bond/Material	Structural Monitoring Program (XI.S6)	III.A6.1-d	3.5.1-22	A			
				Loss of Material	Structural Monitoring Program (XI.S6)	III.A6.1-e	3.5.1-22	A			

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Table 3.5.2-7 Structures and Component Supports - Intake Structure - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Reduction in Conc Anchor Capacity	Structural Monitoring Program (XI.S6)	III.B5.2-a	3.5.1-29	A			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Built-Up Roofing - Auxiliary Bldg - Tarred, Exposed	Shelter/ Protection	Built-up Roofing	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5000
				Loss of Form	Structural Monitoring Program			J	N/A	N/A	A, 5000
				Loss of Material	Structural Monitoring Program			J	N/A	N/A	A, 5000
Built-Up Roofing - Discharge Structure - Tarred, Exposed	Structural Support for Non-Safety Related	Built-up Roofing	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5000
				Loss of Form	Structural Monitoring Program			J	N/A	N/A	A, 5000
				Loss of Material	Structural Monitoring Program			J	N/A	N/A	A, 5000
Built-Up Roofing - Intake Structure Bldg - Tarred, Exposed	Shelter/ Protection	Built-up Roofing	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5000

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Loss of Form	Structural Monitoring Program			J	N/A	N/A	A, 5000
				Loss of Material	Structural Monitoring Program			J	N/A	N/A	A, 5000
Built-Up Roofing - Switch Yard Relay House Bldg - Tarred, Exposed	Structural Support for Regulated Events	Built-up Roofing	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5000
				Loss of Form	Structural Monitoring Program			J	N/A	N/A	A, 5000
				Loss of Material	Structural Monitoring Program			J	N/A	N/A	A, 5000
Built-Up Roofing - Water Treatment Bldg - Tarred, Exposed	Structural Support for Non-Safety Related	Built-up Roofing	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5000
				Loss of Form	Structural Monitoring Program			J	N/A	N/A	A, 5000

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Loss of Material	Structural Monitoring Program			J	N/A	N/A	A, 5000
Crane - Auxiliary Bldg - Carbon Steel, Protected	Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Overhead Load Handling Systems Inspection Program	VII.B.1-b	3.3.1-16	B			
						VII.B.2-a	3.3.1-16	B			
Crane - Containment Bldg - Carbon Steel, Protected	Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Overhead Load Handling Systems Inspection Program	VII.B.1-b	3.3.1-16	B			
						VII.B.2-a	3.3.1-16	B			
Crane Lift Device - Containment Bldg - Carbon Steel, Protected	Structural Support for Non-Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Overhead Load Handling Systems Inspection Program	VII.B.1-b	3.3.1-16	D			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Crane Support - Auxiliary Bldg - Carbon Steel, Protected	Structural Support for Non-Safety Related Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Overhead Load Handling Systems Inspection Program	VII.B.1-b	3.3.1-16	B			
Crane Support - Containment Bldg - Carbon Steel, Protected	Structural Support for Non-Safety Related Structural Support for Safety Related	Carbon Steel	Containment Air (Ext)	Loss of Material	Overhead Load Handling Systems Inspection Program	VII.B.1-b	3.3.1-16	B			
Fire Barrier - Auxiliary Bldg - Carbon Steel, Protected	Fire Barrier	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Fire Protection Program	VII.G.3-d	3.3.1-20	591, B			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Fire Barrier - Auxiliary Bldg - Concrete, Exposed	Fire Barrier	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Fire Protection Program	VII.G.3-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.3-b	3.3.1-30	A			
				Cracking	Fire Protection Program	VII.G.3-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.3-b	3.3.1-30	A			
				Cracking and Expansion	Fire Protection Program	VII.G.3-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.3-b	3.3.1-30	A			
				Cracking, Loss of Bond/Material	Fire Protection Program	VII.G.3-c	3.3.1-30	B			
					Structural Monitoring Program	VII.G.3-c	3.3.1-30	A			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Loss of Material	Fire Protection Program	VII.G.3-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.3-b	3.3.1-30	A			
Fire Barrier - Auxiliary Bldg - Concrete, Protected	Fire Barrier	Concrete	Plant Indoor Air (Ext)	Cracking	Fire Protection Program	VII.G.3-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.3-b	3.3.1-30	A			
				Cracking and Expansion	Fire Protection Program	VII.G.3-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.3-b	3.3.1-30	A			
				Cracking, Loss of Bond/Material	Fire Protection Program	VII.G.3-c	3.3.1-30	B			
					Structural Monitoring Program	VII.G.3-c	3.3.1-30	A			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Loss of Material	Fire Protection Program	VII.G.3-b	3.3.1-30	H	III.A3-9	5-21	E
					Structural Monitoring Program	VII.G.3-b	3.3.1-30	H	III.A3-9	5-21	E
Fire Barrier - Auxiliary Bldg - Fire Stop, Protected	Fire Barrier	Fire Stops [Sealant / Maranite]	Plant Indoor Air (Ext)	Cracking / Delamination	Fire Protection Program	VII.G.3-a	3.3.1-20	592, B			
						VII.G.4-a	3.3.1-20	592, B			
				Loss of Material	Fire Protection Program	VII.G.3-a	3.3.1-20	H	VII.G-1	3-46	B, 5001
						VII.G.4-a	3.3.1-20	H	VII.G-1	3-46	B, 5001
				Separation	Fire Protection Program	VII.G.3-a	3.3.1-20	592, B			
						VII.G.4-a	3.3.1-20	592, B			
Fire Barrier - Auxiliary Bldg - Fire Wrap, Protected	Fire Barrier	Fire Wraps [Mineral-Wool Batts]	Plant Indoor Air (Ext)	Cracking	Fire Protection Program			J	N/A	N/A	B, 5002

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Loss of Material	Fire Protection Program			J	N/A	N/A	B, 5002
Fire Barrier - Containment Bldg - Carbon Steel, Protected	Fire Barrier	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Fire Protection Program	VII.G.5-c	3.3.1-20	B			
Fire Barrier - Containment Bldg - Concrete, Exposed	Fire Barrier	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Containment Inservice Inspection Program	II.A1.1-b	3.5.1-07	A			
						II.A1.1-c	3.5.1-07	A			
				Cracking	Containment Inservice Inspection Program	II.A1.1-a	3.5.1-16	A			
					Structural Monitoring Program	II.A1.1-f	3.5.1-08	A			
				Cracking and Expansion	Containment Inservice Inspection Program	II.A1.1-d	3.5.1-16	A			
				Cracking, Loss of Bond/Material	Containment Inservice Inspection Program	II.A1.1-e	3.5.1-07	A			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Loss of Material	Containment Inservice Inspection Program	II.A1.1-a	3.5.1-16	A			
						II.A1.1-c	3.5.1-07	A			
Fire Barrier - Intake Structure Bldg - Carbon Steel, Protected	Fire Barrier	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Fire Protection Program	VII.G.1-d	3.3.1-20	591, B			
Fire Barrier - Intake Structure Bldg - Concrete, Exposed	Fire Barrier	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Fire Protection Program	VII.G.1-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.1-b	3.3.1-30	A			
				Cracking	Fire Protection Program	VII.G.1-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.1-b	3.3.1-30	A			
				Cracking and Expansion	Fire Protection Program	VII.G.1-b	3.3.1-30	B			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
					Structural Monitoring Program	VII.G.1-b	3.3.1-30	A			
				Cracking, Loss of Bond/Material	Fire Protection Program	VII.G.1-c	3.3.1-30	B			
					Structural Monitoring Program	VII.G.1-c	3.3.1-30	A			
				Loss of Material	Fire Protection Program	VII.G.1-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.1-b	3.3.1-30	A			
Fire Barrier - Intake Structure Bldg - Fire Stop, Protected	Fire Barrier	Fire Stops [Sealant / Maranite]	Plant Indoor Air (Ext)	Cracking / Delamination	Fire Protection Program	VII.G.1-a	3.3.1-20	592, B			
				Loss of Material	Fire Protection Program	VII.G.1-a	3.3.1-20	H	N/A	N/A	B, 5001
				Separation	Fire Protection Program	VII.G.1-a	3.3.1-20	592, B			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Fire Barrier - Intake Structure Bldg - Fire Wrap, Protected	Fire Barrier	Fire Wraps [Mineral-Wool Batts]	Plant Indoor Air (Ext)	Cracking	Fire Protection Program			J	N/A	N/A	B, 5002
				Loss of Material	Fire Protection Program			J	N/A	N/A	B, 5002
Fire Barrier - Turbine Bldg - Carbon Steel, Protected	Fire Barrier	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Fire Protection Program	VII.G.2-d	3.3.1-20	B			
Fire Barrier - Turbine Bldg - Concrete, Exposed	Fire Barrier	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			
				Cracking	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking and Expansion	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			
				Cracking, Loss of Bond/Material	Fire Protection Program	VII.G.2-c	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-c	3.3.1-30	A			
				Loss of Material	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			
Fire Barrier - Turbine Bldg - Concrete, Protected	Fire Barrier	Concrete	Plant Indoor Air (Ext)	Cracking	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking and Expansion	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			
				Cracking, Loss of Bond/Material	Fire Protection Program	VII.G.2-c	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-c	3.3.1-30	A			
				Loss of Material	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			
Fire Barrier - Turbine Bldg - Fire Stop, Protected	Fire Barrier	Fire Stops [Sealant / Maranite]	Plant Indoor Air (Ext)	Cracking / Delamination	Fire Protection Program	VII.G.2-a	3.3.1-20	592, B			
				Loss of Material	Fire Protection Program	VII.G.2-a	3.3.1-20	H	N/A	N/A	B, 5001
				Separation	Fire Protection Program	VII.G.2-a	3.3.1-20	592, B			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Fire Barrier - Turbine Bldg - Fire Wrap, Protected	Fire Barrier	Fire Wraps [Mineral-Wool Batts]	Plant Indoor Air (Ext)	Cracking	Fire Protection Program			J	N/A	N/A	B, 5002
				Loss of Material	Fire Protection Program			J	N/A	N/A	B, 5002
Fire Barrier - Water Treatment Bldg - Concrete, Exposed	Fire Barrier	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			
				Cracking	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			
				Cracking and Expansion	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking, Loss of Bond/Material	Fire Protection Program	VII.G.2-c	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-c	3.3.1-30	A			
				Loss of Material	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			
Fire Barrier - Water Treatment Bldg - Concrete, Protected	Fire Barrier	Concrete	Plant Indoor Air (Ext)	Cracking	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			
				Cracking and Expansion	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking, Loss of Bond/Material	Fire Protection Program	VII.G.2-c	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-c	3.3.1-30	A			
				Loss of Material	Fire Protection Program	VII.G.2-b	3.3.1-30	B			
					Structural Monitoring Program	VII.G.2-b	3.3.1-30	A			
Fire Barrier - Water Treatment Bldg - Fire Stop, Protected	Fire Barrier	Fire Stops [Sealant / Maranite]	Plant Indoor Air (Ext)	Cracking / Delamination	Fire Protection Program	VII.G.2-a	3.3.1-20	592, B			
				Loss of Material	Fire Protection Program	VII.G.2-a	3.3.1-20	H	N/A	N/A	B, 5001
				Separation	Fire Protection Program	VII.G.2-a	3.3.1-20	592, B			
Fire Barrier - Water Treatment Bldg - Fire Wrap, Protected	Fire Barrier	Fire Wraps [Mineral-Wool Batts]	Plant Indoor Air (Ext)	Cracking	Fire Protection Program			J	N/A	N/A	B, 5002

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Loss of Material	Fire Protection Program			J	N/A	N/A	B, 5002
Flood Barrier - Auxiliary Bldg - Elastomer, Protected	Flood Protection	Elastomers	Plant Indoor Air (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003
Flood Barrier - Turbine Building - Elastomer, Protected	Flood Protection	Elastomers	Plant Indoor Air (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003
HELB/MELB & EQ Civil/ Structural Component - Auxiliary Bldg - Elastomer, Protected	Direct Flow Flood Protection	Elastomers	Plant Indoor Air (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003
HELB/MELB & EQ Civil/ Structural Component - Intake Structure Bldg - Elastomer, Protected	Direct Flow Flood Protection	Elastomers	Plant Indoor Air (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003
Mech General Component Support - Containment Bldg - Elastomer, Protected	Structural Support for Safety Related	Elastomers	Containment Air (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Riprap - Yard - Soil, Submerged	Structural Support for Non-Safety Related	Soil	Raw Water (Ext)	Loss of Material/Form	Structural Monitoring Program	III.A6.4-a	3.5.1-22	A			
Roof Flashing - Auxiliary Bldg - Galvanized, Exposed	Shelter/ Protection	Galvanized	Atmosphere/ Weather (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	A			
Roof Flashing - Intake Structure Bldg - Galvanized, Exposed	Shelter/ Protection	Galvanized	Atmosphere/ Weather (Ext)	Loss of Material	Structural Monitoring Program	III.A6.2-a	3.5.1-22	A			
Roof Flashing - Switchyard Relay House - Galvanized, Exposed	Structural Support for Regulated Events	Galvanized	Atmosphere/ Weather (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	A			
Seal, Gasket or Filler - Auxiliary Bldg - Elastomer, Exposed	Shelter/ Protection	Elastomers	Atmosphere/ Weather (Ext)	Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Seal, Gasket or Filler - Auxiliary Bldg - Elastomer, Protected	Direct Flow Expansion / Separation Flood Protection Shelter/ Protection	Elastomers	Plant Indoor Air (Ext)	Change in Material Properties	Structural Monitoring Program	III.B4.2-a	3.5.1-29	593, A			
				Cracking	Structural Monitoring Program	III.B4.2-a	3.5.1-29	593, A			
Seal, Gasket or Filler - Containment Bldg - Elastomer, Protected	Expansion / Separation Flood Protection Shelter/ Protection	Elastomers	Containment Air (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Seal, Gasket or Filler - Discharge Structure - Elastomer, Exposed	Structural Support for Non-Safety Related	Elastomers	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003
Seal, Gasket or Filler - Discharge Structure - Elastomer, Protected	Structural Support for Non-Safety Related	Elastomers	Plant Indoor Air (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003
Seal, Gasket or Filler - Intake Structure Bldg - Elastomer, Exposed	Shelter/ Protection	Elastomers	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Seal, Gasket or Filler - Switchyard Relay House/ Switchgear/ Safeguard Bldg - Elastomer, Exposed	Shelter / Protection Structural Support for Regulated Events	Elastomers	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003
Seal, Gasket or Filler - Turbine Bldg - Elastomer, Exposed	Structural Support for Non-Safety Related	Elastomers	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003
Seal, Gasket or Filler - Turbine Bldg - Elastomer, Protected	Flood Protection Shelter/ Protection	Elastomers	Plant Indoor Air (Ext)	Change in Material Properties	Structural Monitoring Program			J	N/A	N/A	A, 5003

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Table 3.5.2-8 Structures and Component Supports - Miscellaneous Structural and Bulk Commodities - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking	Structural Monitoring Program			J	N/A	N/A	A, 5003

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Table 3.5.2-9 Structures and Component Supports - Switchyard and Yard Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Safeguard Bus/Switchgear - Carbon Steel, Protected (floor beam, panels, welds, threaded fasteners, concrete expansion bolt, etc.)	Structural Support for Regulated Events	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, A			
Building Framing - Switchyard - Concrete, Below Grade (grade beam, footing, foundation, slab, grout, reinforcement, trenches, cable pits, tunnels, etc.)	Structural Support for Regulated Events	Concrete	Soil (Ext)	Loss of Material	None Required	III.A3.1-a	3.5.1-20	571, A			

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Table 3.5.2-9 Structures and Component Supports - Switchyard and Yard Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
						III.A3.1-g	3.5.1-21	544, A			
				Change in Material Properties	None Required	III.A3.1-b	3.5.1-20	557, A			
						III.A3.1-g	3.5.1-21	544, A			
				Cracking and Expansion	None Required	III.A3.1-c	3.5.1-20	543, A			
				Cracking, Loss of Bond/Matl	None Required	III.A3.1-e	3.5.1-21	544, A			
				Cracking	None Required	III.A3.1-h	3.5.1-25	547, A			

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Table 3.5.2-9 Structures and Component Supports - Switchyard and Yard Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Switchyard - Concrete, Exposed (masonry/ concrete wall, grout, reinforcements, foundations, concrete around expansion & grouted anchors, bus supports, etc.)	Structural Support for Regulated Events	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	544, A			
				Cracking	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
						III.A3.3-a	3.5.1-24	A			
						III.A3.1-h	3.5.1-25	A			

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Table 3.5.2-9 Structures and Component Supports - Switchyard and Yard Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Building Framing - Switchyard - Concrete, Protected (masonry roof bearing walls, reinforcements, concrete around expansion & grouted anchors, etc.)	Structural Support for Regulated Events	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.1-h	3.5.1-25	A			

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Table 3.5.2-9 Structures and Component Supports - Switchyard and Yard Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
						III.A3.3-a	3.5.1-24	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			
				Loss of Strength	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Metal Roofing & Siding - Switchgear & Safeguard Bus - Carbon Steel, Exposed (flashing)	Structural Support for Regulated Events	Galvanized	Atmosphere/ Weather (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	581, C			

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Table 3.5.2-9 Structures and Component Supports - Switchyard and Yard Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Missile Shield - Yard - Concrete, Exposed (Tank vault roof, pavement over buried piping)	Missile Barrier	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Cracking	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
					Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			

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Table 3.5.2-9 Structures and Component Supports - Switchyard and Yard Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Tank Foundations - Building & Yard - Concrete, Below Grade (concrete foundation)	Structural Support for Regulated Events Structure Functional Support	Concrete	Soil (Ext)	Loss of Material	None Required	III.A8.1-a	3.5.1-20	571, A			
						III.A8.1-e	3.5.1-21	544, A			
				Change in Material Properties	None Required	III.A8.1-b	3.5.1-20	557, A			
						III.A8.1-e	3.5.1-21	544, A			
				Cracking and Expansion	None Required	III.A8.1-c	3.5.1-20	543, A			
				Cracking, Loss of Bond/Matl	None Required	III.A8.1-d	3.5.1-21	544, A			

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Table 3.5.2-9 Structures and Component Supports - Switchyard and Yard Structures - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking	None Required	III.A8.1-f	3.5.1-25	547, A			
Tank Foundations - Building & Yard - Concrete, Exposed (concrete foundation)	Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Atmosphere / Weather	Cracking	Structural Monitoring Program	III.A8.1-a	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A8.1-a	3.5.1-20	A			
				Change in Material Properties	Structural Monitoring Program	III.A8.1-b	3.5.1-20	A			
				Cracking and Expansion	Structural Monitoring Program	III.A8.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A8.1-d	3.5.1-21	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Boiler Buildings Area - Carbon Steel, Protected (column, hanger, beam, truss, decking, platform, floor grating or plate, catwalk, threaded fastener, concrete expansion bolt, column base plate, welds, etc.)	Structural Support for Non-Safety Related	Carbon Steel	Plant Indoor air (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Boiler Buildings Area - Concrete, Below Grade (wall, pedestal, grade beam, footing, foundation, slab, grout, reinforcement, cable pits, tunnels, etc.)	Structural Support for Non-Safety Related	Concrete	Soil (Ext)	Loss of Material	None Required	III.A3.1-a	3.5.1-20	571, A			
						III.A3.1-g	3.5.1-21	544, A			
				Change in Material Properties	None Required	III.A3.1-b	3.5.1-20	557, A			
						III.A3.1-g	3.5.1-21	544, A			
				Cracking and Expansion	None Required	III.A3.1-c	3.5.1-20	543, A			
				Cracking, Loss of Bond/Matl	None Required	III.A3.1-e	3.5.1-21	544, A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking	None Required	III.A3.1-h	3.5.1-25	547, A			
Building Framing - Boiler Buildings Area - Concrete, Exposed (foundations, masonry/ concrete wall, grout, reinforcements, concrete around expansion & grouted anchors, etc.)	Structural Support for Non-Safety Related	Concrete	Atmosphere / Weather (Ext)	Cracking	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
						III.A3.1-h	3.5.1-25	A			
						III.A3.3-a	3.5.1-24	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Change in Material Properties	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Boiler Buildings Area - Concrete, Protected (foundations, concrete & masonry wall, column, beam, floor/roof slab, grout, reinforcements, concrete around expansion & grouted anchors, etc.)	Structural Support for Non-Safety Related	Concrete	Plant Indoor Air (Ext)	Loss of Strength	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - Summary of Aging Management Evaluation											
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				Cracking	Structural Monitoring Program	III.A3.1-h	3.5.1-25	A			
						III.A3.3-a	3.5.1-24	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Carbon Steel, Protected (column, beam, truss, decking, platform, floor grating or plate, catwalk, bracing, threaded fastener, concrete expansion bolt, column base plate, welds, etc.)	Flood Protection HELB Shielding Pipe Whip Restraint Shelter/ Protection Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Concrete, Below Grade (wall, pedestal, grade beam, footing, foundation, slab, grout, reinforcement, cable pits, tunnels, etc.)	Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Soil (Ext)	Loss of Material	None Required	III.A3.1-a	3.5.1-20	571, A			
						III.A3.1-g	3.5.1-21	544, A			
				Change in Material Properties	None Required	III.A3.1-b	3.5.1-20	557, A			
						III.A3.1-g	3.5.1-21	544, A			
				Cracking and Expansion	None Required	III.A3.1-c	3.5.1-20	543, A			
				Cracking, Loss of Bond/Matl	None Required	III.A3.1-e	3.5.1-21	544, A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking	None Required	III.A3.1-h	3.5.1-25	547, A			
Building Framing - Concrete, Exposed (foundations, masonry/ concrete wall, grout, reinforcements, concrete around expansion & grouted anchors, etc.)	Flood Protection Shelter/ Protection Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - Summary of Aging Management Evaluation											
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				Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-a	3.5.1-20	A			
						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - Summary of Aging Management Evaluation											
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Building Framing - Concrete, Protected (foundations, concrete & masonry wall, column, beam, floor/roof slab, grout, reinforcements, concrete around expansion & grouted anchors, etc.)	Flood Protection HELB Shielding Missile Barrier Shelter/Protection Structural Support for Non-Safety Related Structural Support for Regulated Events Structural Support for Safety Related	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			
				Loss of Strength	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Building Framing - Sliding Material, Protected (vertical supports with sliding surfaces)	Expansion / Separation	Bronze	Plant Indoor Air (Ext)	Loss of Material	None Required	III.A4.2-b	3.5.1-20	586, I	N/A	N/A	A, 586, 5004

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - Summary of Aging Management Evaluation											
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Building Framing - Water Treatment Area - Carbon Steel, Protected (column, beam, bracing, threaded fastener, weld, etc.)	Structural Support for Non-Safety Related Structural Support for Regulated Events	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, A			
Building Framing - Water Treatment Area - Concrete, Below Grade (wall, pedestal, grade beam, footing, foundation, slab, grout, reinforcement, trenches, cable pits, tunnels, etc.)	Structural Support for Non-Safety Related Structural Support for Regulated Events	Concrete	Soil (Ext)	Loss of Material	None Required	III.A3.1-a	3.5.1-20	571, A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - Summary of Aging Management Evaluation											
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						III.A3.1-g	3.5.1-21	544, A			
				Change in Material Properties	None Required	III.A3.1-b	3.5.1-20	557, A			
						III.A3.1-g	3.5.1-21	544, A			
				Cracking and Expansion	None Required	III.A3.1-c	3.5.1-20	543, A			
				Cracking, Loss of Bond/Matl	None Required	III.A3.1-e	3.5.1-21	544, A			
				Cracking	None Required	III.A3.1-h	3.5.1-25	547, A			

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Building Framing - Water Treatment Area - Concrete, Exposed (foundations, wall, grout, reinforcements, concrete around expansion & grouted anchors, etc.)	Structural Support for Non-Safety Related Structural Support for Regulated Events	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-a	3.5.1-20	A			
						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			

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				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
Building Framing - Water Treatment Area - Concrete, Protected (foundations, concrete/ masonry wall, beam, floor slab, grout, reinforcements, concrete around expansion & grouted anchors, etc.)	Structural Support for Regulated Events Structural Support for Non-Safety Related	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			

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				Loss of Strength	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
				Reduction in Concrete Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Flood Barrier - Carbon Steel, Protected (flood doors, hatch, standpipe)	Flood Protection Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Leak Tightness	Structural Monitoring Program	III.A3.2-a	3.5.1-20	531, H	N/A	N/A	N/A
				Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, C			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - 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 NUREG - 1801 Volume 1 Table Row (Table # - Row #)	Rev 1 NUREG - 1801 Notes
HELB/MELB Component - Carbon Steel, Protected (curbs, floor drains, pipe whip restraints, spray shields, etc.)	Flood Protection HEL B Shielding Pipe Whip Restraint Structural Support for Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, C			
HELB/MELB Component - Concrete, Protected (concrete/ masonry wall, whip restraint grout, concrete around expansion & grouted anchors, etc.)	Flood Protection HEL B Shielding Pipe Whip Restraint	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			

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				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			
				Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
HVAC Component - Carbon Steel, Protected (Control Room vestibule door)	Fluid Pressure Boundary Structural Support for Non-Safety Related	Carbon Steel	Plant Indoor Air (Ext)	Loss of Leak Tightness	Structural Monitoring Program	III.A3.2-a	3.5.1-20	533, H	N/A	N/A	N/A
				Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	580, C			

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HVAC Component - Concrete, Protected (Control Room vestibules, concrete & masonry walls, floors, ceilings)	Fluid Pressure Boundary Structural Support for Non-Safety Related	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			
				Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			

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Missile Shield - concrete, Exposed (concrete and/or masonry walls protecting CCW room door and containment escape hatch)	Missile Barrier	Concrete	Atmosphere/ Weather (Ext)	Change in Material Properties	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			
						III.A3.1-a	3.5.1-20	A			
						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			

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				Loss of Material	Structural Monitoring Program	III.A3.1-a	3.5.1-20	A			
						III.A3.1-f	3.5.1-20	A			
				Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Missile Shield - Concrete, Protected (concrete/ masonry walls, floor, & roof protecting Control Room Door)	Missile Barrier	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			

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				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			
				Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Operator Access Component - Carbon Steel, Protected (stairs, floors, platforms)	Structural Support for Non-Safety Related Structural Support for Regulated Events	Carbon Steel	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	A			
Operator Access Component - Concrete, Protected (stairs, floors, platforms, concrete at locations of expansion & grouted anchors, etc.)	Structural Support for Non-Safety Related Structural Support for Regulated Events	Concrete	Plant Indoor Air (Ext)	Cracking	Structural Monitoring Program	III.A3.3-a	3.5.1-24	A			

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Table 3.5.2-10 Structures and Component Supports - Turbine Building - Summary of Aging Management Evaluation											
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						III.A3.1-h	3.5.1-25	A			
				Cracking and Expansion	Structural Monitoring Program	III.A3.1-c	3.5.1-20	A			
				Cracking, Loss of Bond/Matl	Structural Monitoring Program	III.A3.1-d	3.5.1-20	A			
				Loss of Material	Structural Monitoring Program	III.A3.1-f	3.5.1-20	A			
				Loss of Strength	Structural Monitoring Program	III.A3.1-b	3.5.1-20	A			
				Reduction in Conc Anchor Capacity	Structural Monitoring Program	III.B5.2-a	3.5.1-29	A			
Operator Access Component - Galvanized, Protected (stairs, floors, platforms)	Structural Support for Non-Safety Related Structural Support for Regulated Events	Galvanized	Plant Indoor Air (Ext)	Loss of Material	Structural Monitoring Program	III.A3.2-a	3.5.1-20	581, A			

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Civil /Structural Precedent Review Plant Specific Notes:

NOTE: See “Notes for Tables 3.5.2-1 through 3.5.2-10” (immediately following Table 3.5.2-10) of the Palisades License Renewal Application for list of Standard (A through J) and Plant Specific Notes (5XX series). Below are plant specific notes related to the Precedent Review of Tables 3.5.2-1 through 3.5.2-10.

- N/A No precedent found. In cases where another plant's SER is cited in the Note column as a precedent using notes 5000 through 5004, a standard letter note is provided to facilitate NRC review assignments. In these cases, the letter note should be interpreted as an indicator of Palisades' consistency with the cited precedent (and, therefore, still subject to audit team review), and not to indicate consistency with Revision 1 of NUREG 1801.
5000. Precedents for built up roofing exist in the following Safety Evaluation Reports:
- Ginna, NUREG 1786, Section 3.5.2.4.2
 - Dresden/Quad Cities, NUREG 1796, Section 3.5.2.4.2
 - McGuire/Catawba, NUREG 1772, Section 3.5.2.1
5001. “Loss of Material due to abrasion” is the aging effect and mechanism evaluated and being managed by Palisades. It is considered sufficiently similar to GALL aging effect/mechanism of “Increased hardness, shrinkage and loss of strength / weathering” since separation from the protected component is the end result of both. The Fire Protection Program is consistent with GALL with exceptions, resulting in a standard note B.
5002. The Safety Evaluation Report (SER) for Dresden/Quad Cities, NUREG 1796, provides a precedent in Section 3.3.2.4.5 for fire wraps. Dresden/Quad Cities fire wraps are ceramic fiber with an aging effect/mechanism of “separation/deterioration of metal”. Palisades fire wrap components consist of rigid cementitious or fibrous material as well as cable tray insulation covers. Palisades aging effects/mechanisms of “cracking due to vibration” and “loss of material due to abrasion” results in the same aging effect of separation from the protected component. The Fire Protection Program is consistent with GALL with exceptions, resulting in a standard note B.
5003. The Safety Evaluation Report (SER) for Dresden/Quad Cities, NUREG 1796, provides a precedent in Section 3.5.2.4.2 for elastomers/roofing. Dresden Quad Cities aging effects/mechanisms of “hardening cracking/elastomers degradation” and “change in material properties/loss of resiliency, loss of strength, loss of elasticity” match well with Palisades “cracking/thermal exposure” and “change in material properties/thermal exposure”.
5004. The Safety Evaluation Report (SER) for H. B. Robinson, NUREG 1785, provides a precedent in Section 3.5.2.4.1.2 for no aging effects for bronze/Lubrite. Similar to H. B. Robinson, Palisades' past ISI inspections of the Steam Generator and Primary Coolant Pump supports have identified no recordable degradation of Lubrite sliding plates.