

Changes Proposed?	New Item?	Deleted Item?	Edit Change Only?	Chapter	Title	Item	Location SRP	ISO	New, Deleted, Edited Item?	Item	SRP Item (Title, ID)	Structure Component	Material	Environment	Aging Effect/ Mechanism	Aging Management Program (AMP)/TLAA	Further Evaluation	Type	Previous Item (GALL 2)	New Related (GALL 2)	Comments
Yes	No	No	Yes	F	A1	C-07	15.1.009		E	EAI C-07	3.5.1.002	Concrete foundation, subfoundation	Concrete, porous concrete	Water – flowing	Reduction of foundation strength and cracking due to differential settlement and erosion of porous concrete subfoundation	AMP X.56, "Structures Monitoring"	Yes	PWR		EAI-6C(47)	
Yes	No	No	No	F	A1	C-10	15.1.030			EAI C-10	3.5.1.003	Pressurizing system tendons, anchorage tendons	Steel	Ar – indoor uncontrolled, ar – outdoor	Loss of material due to corrosion	AMP X.52, "ASME Section X, Subsection IW."	No	PWR		EAI-6C(16)	
Yes	No	No	No	F	A1	C-11	15.1.009		M	EAI C-11	3.5.1.008	Pressurizing system tendons	Steel	Ar – indoor uncontrolled, ar – outdoor	Loss of prestress due to relaxation, shrinkage, creep, elevated temperature	TLAA, SRP, SLR Section 4.5, "Concrete Containment Liner Penetration" and "Order 8.1.2.2 Section 4.7, "Other Part-Specific Time Limited Aging Analyses"	Yes	PWR		EAI-6C(11)	
No	No	No	No	F	A1	CP-100	15.1.024			EAI CP-100	3.5.1.024	Concrete (inaccessible areas) dome, wall, basement, ring girders, buttresses	Concrete	Ar – indoor uncontrolled, ar – outdoor, groundwater	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP X.52, "ASME Section X, Subsection IW," and supplemented, as necessary, by AMP X.56, "Structures Monitoring"	No	PWR	C-03	EAI-4C(03)	Chap I EP add: 7/12/2014
Yes	No	No	Yes	F	A1	CP-101	15.1.001		E	EAI CP-101	3.5.1.001	Concrete dome, wall, basement, ring girders, buttresses	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP X.52, "ASME Section X, Subsection IW," and supplemented, as necessary, by AMP X.56, "Structures Monitoring"	Yes	PWR	C-37	EAI-6C(37)	Chap I EP add: 7/12/2014
Yes	No	No	No	F	A1	CP-102	15.1.014			EAI CP-102	3.5.1.014	Concrete (inaccessible areas) dome, wall, basement, ring girders, buttresses	Concrete	Water – flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	Plant-specific aging management program	Yes	PWR	C-02	EAI-6C(02)	
Yes	No	No	Yes	F	A1	CP-147	15.1.011		E	EAI CP-147	3.5.1.011	Concrete (inaccessible areas) dome, wall, basement, ring girders, buttresses	Concrete	Ar – outdoor, groundwater	Loss of material (spalling, scaling) and cracking due to freeze-thaw	Plant-specific aging management program to be included for parts in moderate to severe weathering conditions	Yes	PWR	C-01	EAI-2C(01)	
No	No	No	No	F	A1	CP-31	15.1.018			EAI CP-31	3.5.1.018	Concrete (inaccessible areas) dome, wall, basement, ring girders, buttresses	Concrete	Ar – outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X.52, "ASME Section X, Subsection IW."	No	PWR	C-01	EAI-2C(01)	
No	No	No	No	F	A1	CP-32	15.1.020			EAI CP-32	3.5.1.020	Concrete (inaccessible areas) dome, wall, basement, ring girders, buttresses	Concrete	Water – flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	AMP X.52, "ASME Section X, Subsection IW."	No	PWR	C-02	EAI-4C(02)	
Yes	No	No	No	F	A1	CP-33	15.1.019		M	EAI CP-33	3.5.1.019	Concrete (inaccessible areas) dome, wall, basement, ring girders, buttresses	Concrete	Any	Cracking due to expansion from reaction with aggregates	AMP X.52, "ASME Section X, Subsection IW."	No	PWR	C-04	EAI-3C(04)	
Yes	No	No	Yes	F	A1	CP-34	15.1.009		E	EAI CP-34	3.5.1.003	Concrete dome, wall, basement, ring girders, buttresses	Concrete	Ar – indoor uncontrolled, ar – outdoor	Reduction of strength and modulus due to elevated temperature (>150°F general, >200°F local)	Plant-specific aging management program to be included for parts in moderate to severe weathering conditions	Yes	PWR	C-08	EAI-1C(08)	
Yes	No	No	No	F	A1	CP-35	15.1.035		M	EAI CP-35	3.5.1.035	Steel elements (inaccessible areas) liner, liner anchors, integral attachments	Steel	Ar – indoor uncontrolled	Loss of material due to general, pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	Yes	PWR	C-09	EAI-11C(09)	
Yes	No	No	No	F	A1	CP-47	15.1.012		M	EAI CP-47	3.5.1.012	Concrete (inaccessible areas) dome, wall, basement, ring girders, buttresses	Concrete	Any	Cracking due to expansion from reaction with aggregates	Plant-specific aging management program	Yes	PWR	C-04	EAI-3C(04)	
Yes	No	No	No	F	A1	CP-48	15.1.021		M	EAI CP-48	3.5.1.021	Concrete (inaccessible areas) dome, wall, basement, ring girders, buttresses, reinforcing steel	Concrete	Ar – indoor uncontrolled, ar – outdoor	Cracking, loss of bond, and loss of material (spalling, scaling) due to leaching of calcium hydroxide and carbonation	AMP X.52, "ASME Section X, Subsection IW."	No	PWR	C-05	EAI-7C(05)	
No	No	No	No	F	A1	CP-67	15.1.016			EAI CP-67	3.5.1.016	Concrete (inaccessible areas) dome, wall, basement, ring girders, buttresses	Concrete	Ar – indoor uncontrolled, ar – outdoor	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to leaching of calcium hydroxide and carbonation	AMP X.52, "ASME Section X, Subsection IW."	No	PWR	C-03	EAI-4C(03)	
Yes	No	No	No	F	A1	CP-67	15.1.024		M	EAI CP-67	3.5.1.024	Concrete (inaccessible areas) dome, wall, basement, ring girders, buttresses, reinforcing steel	Concrete	Any	Cracking due to expansion from reaction with aggregates	AMP X.52, "ASME Section X, Subsection IW," and supplemented, as necessary, by AMP X.56, "Structures Monitoring"	No	PWR	C-08	EAI-7C(05)	Chap I EP add: 7/12/2014 and AMP EP 9/5/2014
Yes	No	No	No	F	A1	CP-68	15.1.005		E	EAI CP-68	3.5.1.005	Steel elements (inaccessible areas) liner, liner anchors, integral attachments	Steel	Ar – indoor uncontrolled	Loss of material due to general, pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	Yes	PWR	C-09	EAI-11C(09)	
Yes	No	No	Yes	F	A2	C-07	15.1.009		E	EAI C-07	3.5.1.002	Concrete foundation, subfoundation	Concrete, porous concrete	Water – flowing	Reduction of foundation strength and cracking due to differential settlement and erosion of porous concrete subfoundation	AMP X.56, "Structures Monitoring"	Yes	PWR		EAI-6C(47)	
Yes	No	No	No	F	A2	CP-104	15.1.012		M	EAI CP-104	3.5.1.012	Concrete (inaccessible areas) basement	Concrete	Any	Cracking due to expansion from reaction with aggregates	Plant-specific aging management program	Yes	PWR	C-38	EAI-3C(38)	
No	No	No	No	F	A2	CP-105	15.1.020			EAI CP-105	3.5.1.020	Concrete (inaccessible areas) basement	Concrete	Water – flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	AMP X.52, "ASME Section X, Subsection IW," or AMP X.56, "Structures Monitoring"	No	PWR	C-30	EAI-6C(30)	
Yes	No	No	No	F	A2	CP-35	15.1.035		M	EAI CP-35	3.5.1.035	Steel elements (inaccessible areas) liner, liner anchors, integral attachments	Steel	Ar – indoor uncontrolled	Loss of material due to general, pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	Yes	PWR	C-09	EAI-9C(09)	
No	No	No	No	F	A2	CP-61	15.1.016			EAI CP-61	3.5.1.016	Concrete (inaccessible areas) basement	Concrete	Ar – outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X.52, "ASME Section X, Subsection IW," or AMP X.56, "Structures Monitoring"	No	PWR	C-28	EAI-2C(28)	
Yes	No	No	No	F	A2	CP-63	15.1.014		M	EAI CP-63	3.5.1.014	Concrete (inaccessible areas) basement	Concrete	Water – flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	Plant-specific aging management program	Yes	PWR	C-30	EAI-6C(30)	
Yes	No	No	No	F	A2	CP-68	15.1.016			EAI CP-68	3.5.1.016	Concrete (inaccessible areas) basement	Concrete	Any	Cracking due to expansion from reaction with aggregates	AMP X.52, "ASME Section X, Subsection IW," or AMP X.56, "Structures Monitoring"	No	PWR	C-38	EAI-3C(38)	
Yes	No	No	Yes	F	A2	CP-69	15.1.001		E	EAI CP-69	3.5.1.001	Concrete basement	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP X.52, "ASME Section X, Subsection IW," or AMP X.56, "Structures Monitoring"	Yes	PWR	C-36	EAI-6C(36)	Chap I EP add: 7/12/2014
Yes	No	No	Yes	F	A2	CP-70	15.1.011		E	EAI CP-70	3.5.1.011	Concrete (inaccessible areas) basement	Concrete	Ar – outdoor, groundwater	Loss of material (spalling, scaling) and cracking due to freeze-thaw	Plant-specific aging management program to be included for parts in moderate to severe weathering conditions	Yes	PWR	C-38	EAI-2C(38)	
No	No	No	No	F	A2	CP-71	15.1.024			EAI CP-71	3.5.1.024	Concrete (inaccessible areas) basement	Concrete	Groundwater	Cracking due to expansion from reaction with aggregates	AMP X.52, "ASME Section X, Subsection IW," or AMP X.56, "Structures Monitoring"	No	PWR	C-25	EAI-4C(25)	Chap I EP add: 7/12/2014
No	No	No	No	F	A2	CP-72	15.1.016			EAI CP-72	3.5.1.016	Concrete (inaccessible areas) basement	Concrete	Groundwater	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to leaching of calcium hydroxide and carbonation	AMP X.52, "ASME Section X, Subsection IW," or AMP X.56, "Structures Monitoring"	No	PWR	C-25	EAI-4C(25)	Chap I EP add: 7/12/2014
Yes	No	No	No	F	A2	CP-74	15.1.021		M	EAI CP-74	3.5.1.021	Concrete (inaccessible areas) basement, reinforcing steel	Concrete	Ar – indoor uncontrolled, ar – outdoor	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X.52, "ASME Section X, Subsection IW," or AMP X.56, "Structures Monitoring"	No	PWR	C-43	EAI-7C(43)	
Yes	No	No	No	F	A2	CP-75	15.1.023			EAI CP-75	3.5.1.023	Concrete (inaccessible areas) basement, reinforcing steel	Concrete	Any	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X.52, "ASME Section X, Subsection IW," or AMP X.56, "Structures Monitoring"	No	PWR	C-43	EAI-7C(43)	Chap I EP add: 7/12/2014 and AMP EP 9/5/2014
Yes	No	No	Yes	F	A2	CP-98	15.1.005		E	EAI CP-98	3.5.1.005	Steel elements (inaccessible areas) liner, liner anchors, integral attachments	Steel	Ar – indoor uncontrolled	Loss of material due to general, pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	Yes	PWR	C-09	EAI-9C(09)	
Yes	No	No	No	F	A3	C-13	15.1.009		M	EAI C-13	3.5.1.009	Steel liner, metal plate, personnel airlock, equipment hatch, CRD hatch, penetration sleeves, penetration bellows	Steel, stainless steel, dissimilar metal welds	Ar – indoor uncontrolled, ar – outdoor	Cumulative fatigue damage due to fatigue (Only if CLB fatigue analysis used)	TLAA, SRP, SLR Section 4.8, "Containment Liner Plate and Penetration Fatigue Analysis"	Yes	PWR		EAI-4C(13)	
No	No	No	No	F	A3	C-16	15.1.028			EAI C-16	3.5.1.028	Personnel airlock, equipment hatch, CRD hatch	Steel	Ar – indoor uncontrolled, ar – outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	No	PWR		EAI-6C(16)	
No	No	No	No	F	A3	CP-148	15.1.031			EAI CP-148	3.5.1.031	Pressure-retaining tubing	Steel	Ar – indoor uncontrolled, ar – outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE"	No	PWR	New Record in GALL 2		
Yes	No	No	No	F	A3	CP-150	15.1.030		M	EAI CP-150	3.5.1.030	Pressure-retaining tubing	Steel	Any	Loss of prestress due to self-relaxing	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	No	PWR	New Record in GALL 2		
Yes	No	No	No	F	A3	CP-182	15.1.024		M	EAI CP-182	3.5.1.024	Service Level Coatings	Coatings	Ar – indoor uncontrolled, treated water	Loss of coating due to degradation by oxidizing, cracking, flaking, peeling, delamination, rubbing, physical damage	AMP X.53, "Protective Coating Monitoring and Maintenance"	No	PWR	New Record in GALL 2		
Yes	No	No	No	F	A3	CP-36	15.1.035			EAI CP-36	3.5.1.035	Penetration sleeves	Steel, dissimilar metal welds	Ar – indoor uncontrolled, ar – outdoor	Cracking due to general, pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	Yes	PWR	C-12	EAI-11C(12)	
Yes	No	No	No	F	A3	CP-37	15.1.022		M	EAI CP-37	3.5.1.022	Steel liner, metal plate, airlock, equipment hatch, CRD hatch, penetration sleeves, penetration bellows	Steel, stainless steel, dissimilar metal welds	Ar – indoor uncontrolled, ar – outdoor	Cracking due to cyclic loading (CLB fatigue analysis does not exist)	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	No	PWR	C-14	EAI-3C(14)	
Yes	No	No	Yes	F	A3	CP-38	15.1.010		E	EAI CP-38	3.5.1.010	Penetration sleeves, penetration bellows	Stainless steel, dissimilar metal welds	Ar – indoor uncontrolled, ar – outdoor	Cracking due to SCC	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	Yes	PWR	C-16	EAI-2C(16)	
Yes	No	No	No	F	A3	CP-39	15.1.029		M	EAI CP-39	3.5.1.029	Personnel airlock, equipment hatch, CRD hatch, locks, hinges, closure mechanisms	Steel	Ar – indoor uncontrolled, ar – outdoor	Loss of leak tightness due to mechanical wear	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	No	PWR	C-17	EAI-6C(17)	Chap I EP change - 7/14/2014
No	No	No	No	F	A3	CP-40	15.1.026			EAI CP-40	3.5.1.026	Neutron barriers (cooking, baking, other similar materials)	Elastomer, rubber and other similar materials	Ar – indoor uncontrolled	Loss of sealing due to wear, damage, erosion, bar, surface cracks, other defects	AMP X.51, "ASME Section X, Subsection IWE"	No	PWR	C-18	EAI-7C(18)	
No	No	No	No	F	A3	CP-41	15.1.033			EAI CP-41	3.5.1.033	Seals and gaskets	Elastomer, rubber and other similar materials	Ar – indoor uncontrolled, ar – outdoor	Loss of sealing due to wear, damage, erosion, bar, surface cracks, other defects	AMP X.54, "10 CFR Part 50, Appendix J"	No	PWR	C-18	EAI-7C(18)	
Yes	No	No	No	F	B1-C	C-21	15.1.009		E	EAI B1-C-21	3.5.1.009	Steel elements: tank, vent line, vent header, vent line bellows, elements	Steel, stainless steel	Ar – indoor uncontrolled	Cumulative fatigue damage due to fatigue (Only if CLB fatigue analysis used)	TLAA, SRP, SLR Section 4.8, "Containment Liner Plate and Penetration Fatigue Analysis"	Yes	BWR		EAI-1-4C(21)	
Yes	No	No	No	F	B1-C	C-23	15.1.036		E	EAI B1-C-23	3.5.1.036	Steel elements: drywell head, downcomers	Steel	Ar – indoor uncontrolled	Loss of material due to mechanical wear, including rubbing	AMP X.51, "ASME Section X, Subsection IWE"	No	BWR		EAI-1-1C(23)	
Yes	No	No	Yes	F	B1-C	CP-109	15.1.007		E	EAI B1-CP-109	3.5.1.007	Steel elements: tank, ring girders, buttresses	Steel	Ar – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE"	Yes	BWR	C-19	EAI-1-2C(19)	
Yes	No	No	No	F	B1-C	CP-43	15.1.035		M	EAI B1-CP-43	3.5.1.035	Steel elements (inaccessible areas) drywell shell, drywell head, drywell shell in sand pocket regions	Steel	Ar – indoor uncontrolled	Loss of material due to general, pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-19	EAI-1-2C(19)	
No	No	No	No	F	B1-C	CP-44	15.1.041			EAI B1-CP-44	3.5.1.041	Steel elements, drywell support shell	Steel	Concrete	None	None	No	BWR	New Record in GALL 2		
Yes	No	No	No	F	B1-C	CP-48	15.1.008		M	EAI B1-CP-48	3.5.1.008	Steel elements: tank shell	Steel	Ar – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-19	EAI-1-2C(19)	
No	No	No	No	F	B1-C	CP-49	15.1.027			EAI B1-CP-49	3.5.1.027	Steel elements: tank, vent line, vent header, vent line bellows, downcomers	Steel, stainless steel	Ar – indoor uncontrolled	Cracking due to cyclic loading (CLB fatigue analysis does not exist)	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	No	BWR	C-20	EAI-1-3C(20)	
Yes	No	No	No	F	B1-C	CP-50	15.1.039		M	EAI B1-CP-50	3.5.1.039	Steel elements: vent line bellows, downcomers	Stainless steel	Ar – indoor uncontrolled	Cracking due to SCC	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-22	EAI-1-5C(22)	
No	No	No	Yes	F	B1-C	C-07	15.1.009		E	EAI B1-C-07	3.5.1.002	Concrete foundation, subfoundation	Concrete, porous concrete	Water – flowing	Reduction of foundation strength and cracking due to differential settlement and erosion of porous concrete subfoundation	AMP X.56, "Structures Monitoring"	Yes	BWR		EAI-2-7C(07)	
Yes	No	No	No	F	B1-C	C-23	15.1.036		E	EAI B1-C-23	3.5.1.036	Steel elements: drywell head, downcomers	Steel	Ar – indoor uncontrolled	Loss of material due to mechanical wear	AMP X.51, "ASME Section X, Subsection IWE"	No	BWR		EAI-2-9C(23)	
No	No	No	No	F	B1-C	C-49	15.1.031			EAI B1-C-49	3.5.1.031	Steel elements: suppression chamber shell (interior surface)	Steel, stainless steel	Ar – indoor uncontrolled, treated water	Loss of material due to general (pitting only), pitting, crevice corrosion	AMP X.51, "ASME Section X, Subsection IWE," and AMP X.54, "10 CFR Part 50, Appendix J"	No	BWR		EAI-2-10C(49)	
Yes	No	No	No	F	B1-C	CP-105	15.1.031		E	EAI B1-CP-105	3.5.1.031	Concrete elements, all	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP X.52, "ASME Section X, Subsection IW," and supplemented, as necessary, by AMP X.56, "Structures Monitoring"	Yes	BWR		EAI-2-1C(06)	Chap I EP add: 7/12/2014
No	No	No	No	F	B1-C	CP-106	15.1.018		M	EAI B1-CP-106	3.5.1.018	Concrete containment, wall, basement	Concrete	Ar – indoor uncontrolled, ar – outdoor, groundwater	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP X.52, "ASME Section X, Subsection IW," or AMP X.56, "Structures Monitoring"	No	BWR	C-26	EAI-2-5C(26)	Chap I EP add: 7/12/2014
No	No	No	No	F	B1-C	CP-110	15.1.014		M	EAI B1-CP-110	3.5.1.014	Concrete (inaccessible areas) containment, wall, basement	Concrete	Water – flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	Plant-specific aging management program	Yes	BWR	C-31	EAI-2-6C(31)	
No	No	No	No	F	B1-C	CP-114	15.1.041			EAI B1-CP-114	3.5.1.041	Steel elements (inaccessible areas) support shell	Steel	Concrete	None	None	No	BWR	New Record in GALL 2		



Yes	No	No	No	9	B1.2	CP-46	<a href="#">16.1.036</a>		M	E81.2 CP-46	3.5.1.035	Steel elements (accessable areas): expression chamber; drywell; drywell head; embedded shaft; region enclosed by diaphragm floor (as applicable)	Steel	Air – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-46	(E81.2-6C-46)	
No	No	No	No	8	B1.2	CP-64	<a href="#">16.1.036</a>		M	E81.2 CP-64	3.5.1.020	Concrete (accessable areas): containment wall; basement	Concrete	Water – flowing	Increase in porosity and permeability loss of strength due to leaching of alkali hydroxide	AMP XI.52, "NME Section X, Subsection IWE,"	No	BWR	C-31	(E81.2-6C-31)	
Yes	No	No	Yes	9	B1.2	CP-57	<a href="#">16.1.063</a>		E	E81.2 CP-57	3.5.1.003	Concrete containment wall; basement	Concrete	Air – indoor uncontrolled, air – outdoor	Reduction of strength and modulus due to elevated temperature (>150°F general, >200°F local)	Plant-specific aging management program to be evaluated (Temperature limits exceeded)	Yes	BWR	C-35	(E81.2-3C-35)	
Yes	No	No	Yes	9	B1.2	CP-59	<a href="#">16.1.039</a>		E	E81.2 CP-59	3.5.1.019	Concrete (accessable areas): containment wall; basement	Concrete	Any	Cracking due to expansion from reaction with aggregates	AMP XI.52, "NME Section X, Subsection IWE,"	No	BWR	C-39	(E81.2-4C-39)	
Yes	No	No	Yes	8	B1.2	CP-63	<a href="#">16.1.063</a>		E	E81.2 CP-63	3.5.1.005	Steel elements (accessable areas): expression chamber; drywell; drywell head; embedded shaft; region enclosed by diaphragm floor (as applicable)	Steel	Air – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-46	(E81.2-6C-46)	
Yes	No	No	No	8	B1.2	CP-79	<a href="#">16.1.041</a>		M	E81.2 CP-79	3.5.1.021	Concrete (accessable areas): basemat	Concrete	Air – indoor uncontrolled, air – outdoor	Cracking; loss of bond; and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP XI.52, "NME Section X, Subsection IWE,"	No	BWR	C-41	(E81.2-3C-41)	
Yes	No	No	No	8	B1.2	CP-80	<a href="#">16.1.022</a>		M	E81.2 CP-80	3.5.1.023	Concrete (accessable areas): basemat	Concrete	Any	Cracking; loss of bond; and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP XI.52, "NME Section X, Subsection IWE," and supplemented, as necessary, by AMP XI.56, "Structures Monitoring"	Yes	BWR	C-41	(E81.2C-41)	AMP EP change - 9/6/2014
Yes	No	No	No	8	B1.2	CP-93	<a href="#">16.1.032</a>		M	E81.2 CP-93	3.5.1.012	Concrete (accessable areas): containment wall; basement	Concrete	Any	Cracking due to expansion from reaction with aggregates	Plant-specific aging management program	Yes	BWR	C-39	(E81.2-4C-39)	
Yes	No	No	Yes	8	B2.1	C-23	<a href="#">16.1.036</a>		E	E82.1 C-23	3.5.1.036	Steel elements: drywell head; downcomers	Steel	Air – indoor uncontrolled	Loss of material due to mechanical wear, including fretting	AMP XI.51, "NME Section X, Subsection IWE"	No	BWR		(E82.1-2C-23)	
Yes	No	No	No	8	B2.1	C-45	<a href="#">16.1.068</a>		M	E82.1 C-45	3.5.1.009	Suppression pool shell; inboard downcomers	Steel; stainless steel; dissimilar metal welds	Air – indoor uncontrolled, treated water	Cumulative fatigue damage due to leakage (Only CLB fatigue analysis noted)	TLAA, SRP-SLR Section 4.6, "Containment Liner Pile and Penetration Fatigue Analyses"	Yes	BWR		(E82.1-4C-45)	
No	No	No	No	8	B2.1	CP-107	<a href="#">16.1.041</a>		M	E82.1 CP-107	3.5.1.027	Suppression pool shell; inboard downcomers	Steel; stainless steel; dissimilar metal welds	Air – indoor uncontrolled, treated water	Cracking due to cyclic loading (CLB fatigue analysis does not note)	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-44	(E82.1-3C-44)	
No	No	No	No	8	B2.1	CP-114	<a href="#">16.1.041</a>		M	E82.1 CP-114	3.5.1.041	Steel elements (accessable areas): downcomer pipes	Steel	Concrete	None	None	None	BWR		New Record in GALL 2	
No	No	No	No	8	B2.1	CP-117	<a href="#">16.1.031</a>		M	E82.1 CP-117	3.5.1.031	Steel elements: downcomer pipes	Steel	Air – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE"	No	BWR	C-46	(E82.1-1C-46)	
No	No	No	No	9	B2.1	CP-142	<a href="#">16.1.046</a>		M	E82.1 CP-142	3.5.1.040	Unbraced downcomers	Steel; stainless steel; dissimilar metal welds	Air – indoor uncontrolled, treated water	Cracking due to cyclic loading (CLB fatigue analysis does not note)	AMP XI.51, "NME Section X, Subsection IWE"	No	BWR	C-44	(E82.1-3C-44)	
Yes	No	No	No	9	B2.1	CP-48	<a href="#">16.1.038</a>		M	E82.1 CP-48	3.5.1.035	Steel elements (accessable areas): expression chamber; drywell; drywell head; embedded shaft; region enclosed by diaphragm floor (as applicable)	Steel	Air – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-46	(E82.1-1C-46)	
Yes	No	No	Yes	8	B2.1	CP-63	<a href="#">16.1.063</a>		E	E82.1 CP-63	3.5.1.005	Steel elements (accessable areas): expression chamber; drywell; drywell head; embedded shaft; region enclosed by diaphragm floor (as applicable)	Steel	Air – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-46	(E82.1-1C-46)	
Yes	No	No	Yes	8	B2.2	C-07	<a href="#">16.1.026</a>		E	E82.2 C-07	3.5.1.002	Concrete; foundation; substation	Concrete; porous concrete	Water – flowing	Reduction of foundation strength and settling due to differential settlement and erosion of porous concrete substation	AMP XI.56, "Structures Monitoring"	Yes	BWR		(E82.2-7C-07)	
No	No	No	No	8	B2.2	C-10	<a href="#">16.1.032</a>		M	E82.2 C-10	3.5.1.032	Pressurizing system; inboard downcomer component	Steel	Air – indoor uncontrolled, air – outdoor	Loss of material due to corrosion	AMP XI.52, "NME Section X, Subsection IWE,"	No	BWR		(E82.2-9C-10)	
Yes	No	No	No	8	B2.2	C-11	<a href="#">16.1.068</a>		M	E82.2 C-11	3.5.1.009	Pressurizing system; inboard downcomers	Steel	Air – indoor uncontrolled, air – outdoor	Loss of prestress due to relaxation; fatigue; creep; elevated temperature	TLAA, SRP-SLR Section 4.5, "Concrete Containment Tension Prestress," and/or SRP-SLR Section 4.7, "Other Plant-Specific Time-Limited Aging Analyses"	Yes	BWR		(E82.2-8C-11)	
Yes	No	No	Yes	9	B2.2	C-23	<a href="#">16.1.036</a>		E	E82.2 C-23	3.5.1.036	Steel elements: drywell head; downcomers	Steel	Air – indoor uncontrolled	Loss of material due to mechanical wear, including fretting	AMP XI.51, "NME Section X, Subsection IWE"	No	BWR		(E82.2-11C-23)	
Yes	No	No	Yes	8	B2.2	C-48	<a href="#">16.1.032</a>		E	E82.2 C-48	3.5.1.009	Steel elements; wet header; downcomers	Steel; stainless steel	Air – indoor uncontrolled, treated water	Cumulative fatigue damage due to leakage (Only CLB fatigue analysis noted)	TLAA, SRP-SLR Section 4.6, "Containment Liner Pile and Penetration Fatigue Analyses"	Yes	BWR		(E82.2-14C-48)	
No	No	No	No	8	B2.2	C-49	<a href="#">16.1.032</a>		M	E82.2 C-49	3.5.1.037	Steel elements: expression chamber (interior surface)	Steel; stainless steel	Air – indoor uncontrolled, treated water	Loss of material due to general pitting only; pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	No	BWR		(E82.2-12C-49)	
Yes	No	No	Yes	8	B2.2	CP-105	<a href="#">16.1.063</a>		E	E82.2 CP-105	3.5.1.016	Concrete elements; all	Concrete	Soil	Cracking and distortion due to increased area levels from settlement	AMP XI.52, "NME Section X, Subsection IWE," and supplemented, as necessary, by AMP XI.56, "Structures Monitoring"	Yes	BWR	C-08	(E82.2-1C-08)	Chap I EP edit - 7/12/2014
Yes	No	No	No	9	B2.2	CP-106	<a href="#">16.1.036</a>		M	E82.2 CP-106	3.5.1.071	Concrete containment wall; basement	Concrete	Air – indoor uncontrolled, air – outdoor	Increase in porosity and permeability; cracking; loss of material (spalling, scaling) due to aggressive chemical attack	AMP XI.52, "NME Section X, Subsection IWE," and supplemented, as necessary, by AMP XI.56, "Structures Monitoring"	Yes	BWR	C-26	(E82.2-3C-26)	Chap I EP edit - 7/12/2014
Yes	No	No	No	8	B2.2	CP-110	<a href="#">16.1.034</a>		M	E82.2 CP-110	3.5.1.014	Concrete (accessable areas): containment wall; basement	Concrete	Water – flowing	Increase in porosity and permeability loss of strength due to leaching of alkali hydroxide and carbonation	Plant-specific aging management program	Yes	BWR	C-31	(E82.2-6C-31)	
No	No	No	No	8	B2.2	CP-114	<a href="#">16.1.041</a>		M	E82.2 CP-114	3.5.1.041	Steel elements (accessable areas): downcomer pipes	Steel	Concrete	None	None	None	BWR		New Record in GALL 2	
No	No	No	No	8	B2.2	CP-117	<a href="#">16.1.031</a>		M	E82.2 CP-117	3.5.1.031	Steel elements: downcomer pipes	Steel	Air – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE"	No	BWR	C-46	(E82.2-10C-46)	
Yes	No	No	No	9	B2.2	CP-48	<a href="#">16.1.038</a>		M	E82.2 CP-48	3.5.1.035	Steel elements (accessable areas): expression chamber; drywell; drywell head; embedded shaft; region enclosed by diaphragm floor (as applicable)	Steel	Air – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-46	(E82.2-10C-46)	
No	No	No	No	8	B2.2	CP-64	<a href="#">16.1.032</a>		M	E82.2 CP-64	3.5.1.020	Concrete (accessable areas): containment wall; basement	Concrete	Water – flowing	Increase in porosity and permeability loss of strength due to leaching of alkali hydroxide	AMP XI.52, "NME Section X, Subsection IWE,"	No	BWR	C-31	(E82.2-6C-31)	
Yes	No	No	Yes	9	B2.2	CP-57	<a href="#">16.1.063</a>		E	E82.2 CP-57	3.5.1.003	Concrete containment wall; basement	Concrete	Air – indoor uncontrolled, air – outdoor	Reduction of strength and modulus due to elevated temperature (>150°F general, >200°F local)	Plant-specific aging management program to be evaluated (Temperature limits exceeded)	Yes	BWR	C-35	(E82.2-3C-35)	
Yes	No	No	Yes	9	B2.2	CP-59	<a href="#">16.1.039</a>		E	E82.2 CP-59	3.5.1.019	Concrete (accessable areas): containment wall; basement	Concrete	Any	Cracking due to expansion from reaction with aggregates	AMP XI.52, "NME Section X, Subsection IWE,"	No	BWR	C-39	(E82.2-4C-39)	
Yes	No	No	Yes	8	B2.2	CP-63	<a href="#">16.1.063</a>		E	E82.2 CP-63	3.5.1.005	Steel elements (accessable areas): expression chamber; drywell; drywell head; embedded shaft; region enclosed by diaphragm floor (as applicable)	Steel	Air – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-46	(E82.2-10C-46)	
No	No	No	No	8	B2.2	CP-64	<a href="#">16.1.032</a>		M	E82.2 CP-64	3.5.1.040	Steel elements; wet header; downcomers	Steel; stainless steel	Air – indoor uncontrolled, treated water	Cracking due to cyclic loading (CLB fatigue analysis does not note)	AMP XI.51, "NME Section X, Subsection IWE"	No	BWR	C-47	(E82.2-13C-47)	
Yes	No	No	No	8	B2.2	CP-79	<a href="#">16.1.041</a>		M	E82.2 CP-79	3.5.1.021	Concrete (accessable areas): basemat	Concrete	Air – indoor uncontrolled, air – outdoor	Cracking; loss of bond; and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP XI.52, "NME Section X, Subsection IWE,"	No	BWR	C-41	(E82.2-3C-41)	
Yes	No	No	No	9	B2.2	CP-80	<a href="#">16.1.022</a>		M	E82.2 CP-80	3.5.1.023	Concrete (accessable areas): basemat	Concrete	Any	Cracking; loss of bond; and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP XI.52, "NME Section X, Subsection IWE," and supplemented, as necessary, by AMP XI.56, "Structures Monitoring"	Yes	BWR	C-41	(E82.2-3C-41)	AMP EP change - 9/6/2014
Yes	No	No	No	9	B2.2	CP-99	<a href="#">16.1.032</a>		M	E82.2 CP-99	3.5.1.012	Concrete (accessable areas): containment wall; basement	Concrete	Any	Cracking due to expansion from reaction with aggregates	Plant-specific aging management program	Yes	BWR	C-39	(E82.2-4C-39)	
Yes	No	No	Yes	8	B3.1	C-07	<a href="#">16.1.066</a>		E	E83.1 C-07	3.5.1.002	Concrete; foundation; substation	Concrete; porous concrete	Water – flowing	Reduction of foundation strength and settling due to differential settlement and erosion of porous concrete substation	AMP XI.56, "Structures Monitoring"	Yes	BWR		(E83.1-7C-07)	
Yes	No	No	No	9	B3.1	C-24	<a href="#">16.1.038</a>		M	E83.1 C-24	3.5.1.038	Steel elements: expression chamber shell (interior surface)	Stainless steel	Air – indoor uncontrolled	Cracking due to SCC	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	Yes	BWR		(E83.1-9C-24)	
Yes	No	No	Yes	9	B3.1	CP-113	<a href="#">16.1.026</a>		E	E83.1 CP-113	3.5.1.004	Steel elements (accessable areas): drywell shell; drywell head	Steel	Air – indoor uncontrolled, concrete	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-19	(E83.1-6C-19)	
No	No	No	No	8	B3.1	CP-158	<a href="#">16.1.026</a>		M	E83.1 CP-158	3.5.1.020	Concrete (accessable areas): basemat	Concrete	Water – flowing	Increase in porosity and permeability loss of strength due to leaching of alkali hydroxide	AMP XI.52, "NME Section X, Subsection IWE," or AMP XI.56, "Structures Monitoring"	No	BWR	C-30	(E83.1-3C-30)	
Yes	No	No	Yes	8	B3.1	CP-158	<a href="#">16.1.067</a>		E	E83.1 CP-158	3.5.1.007	Steel elements: expression chamber shell (interior surface)	Steel	Air – indoor uncontrolled, treated water	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE"	Yes	BWR	C-19	(E83.1-6C-19)	
Yes	No	No	No	8	B3.1	CP-43	<a href="#">16.1.036</a>		M	E83.1 CP-43	3.5.1.035	Steel elements (accessable areas): drywell shell; drywell head	Steel	Air – indoor uncontrolled	Loss of material due to general, pitting, crevice corrosion	AMP XI.51, "NME Section X, Subsection IWE," and AMP XI.54, "10 CFR Part 50, Appendix J"	Yes	BWR	C-19	(E83.1-6C-19)	
Yes	No	No	No	8	B3.1	CP-63	<a href="#">16.1.032</a>		M	E83.1 CP-63	3.5.1.014	Concrete (accessable areas): basemat	Concrete	Water – flowing	Increase in porosity and permeability loss of strength due to leaching of alkali hydroxide	Plant-specific aging management program	Yes	BWR	C-30	(E83.1-3C-30)	
Yes	No	No	Yes	8	B3.1	CP-65	<a href="#">16.1.035</a>		E	E83.1 CP-65	3.5.1.003	Concrete; basement; inboard downcomers	Concrete	Air – indoor uncontrolled, air – outdoor	Reduction of strength and modulus due to elevated temperature (>150°F general, >200°F local)	Plant-specific aging management program to be evaluated (Temperature limits exceeded)	Yes	BWR	C-50	(E83.1-4C-50)	
Yes	No	No	No	9	B3.1	CP-66	<a href="#">16.1.038</a>		E	E83.1 CP-66	3.5.1.019	Concrete (accessable areas): basemat; inboard downcomers	Concrete	Any	Cracking due to expansion from reaction with aggregates	AMP XI.52, "NME Section X, Subsection IWE," or AMP XI.56, "Structures Monitoring"	No	BWR	C-51	(E83.1-5C-51)	
No	No	No	Yes	9	B3.1	CP-69	<a href="#">16.1.063</a>		E	E83.1 CP-69	3.5.1.021	Concrete; basement	Concrete	Soil	Cracking and distortion due to increased area levels from settlement	AMP XI.52, "NME Section X, Subsection IWE," or AMP XI.56, "Structures Monitoring"	Yes	BWR	C-36	(E83.1-2C-36)	
Yes	No	No	No	9	B3.1	CP-71	<a href="#">16.1.026</a>		M	E83.1 CP-71	3.5.1.004	Concrete (accessable areas): basemat	Concrete	Groundwater/sol	Increase in porosity and permeability; cracking; loss of material (spalling, scaling) due to aggressive chemical attack	AMP XI.51, "NME Section X, Subsection IWE," or AMP XI.56, "Structures Monitoring"	No	BWR	C-25	(E83.1-1C-25)	Chap I EP edit - 7/12/2014
No	No	No	No	8	B3.1	CP-72	<a href="#">16.1.026</a>		M	E83.1 CP-72	3.5.1.016	Concrete (accessable areas): basemat	Concrete	Groundwater/sol	Increase in porosity and permeability; cracking; loss of material (spalling, scaling) due to aggressive chemical attack	AMP XI.52, "NME Section X, Subsection IWE," or AMP XI.56, "Structures Monitoring"	No	BWR	C-25	(E83.1-1C-25)	Chap I EP edit - 7/12/2014
Yes	No	No	No	8	B3.1	CP-74	<a href="#">16.1.022</a>		M	E83.1 CP-74	3.5.1.021	Concrete (accessable areas): basemat	Concrete	Air – indoor uncontrolled, air – outdoor	Cracking; loss of bond; and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP XI.52, "NME Section X, Subsection IWE," or AMP XI.56, "Structures Monitoring"	No	BWR	C-43	(E83.1-6C-43)	
Yes	No	No	No	9	B3.1	CP-75	<a href="#">16.1.063</a>		M	E83.1 CP-75	3.5.1.023	Concrete (accessable areas): basemat	Concrete	Air – indoor uncontrolled, air – outdoor	Cracking; loss of bond; and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP XI.52, "NME Section X, Subsection IWE," or AMP XI.56, "Structures Monitoring"	Yes	BWR	C-43	(E83.1-6C-43)	Chap I EP edit - 7/12/2014
Yes	No	No	No	9	B3.1	CP-83	<a href="#">16.1.032</a>		M	E83.1 CP-83	3.5.1.012	Concrete (accessable areas): basemat	Concrete	Any	Cracking due to expansion from reaction with aggregates	Plant-specific aging management program	Yes	BWR	C-51	(E83.1-5C-51)	
Yes	No	No	Yes	8	B3.2	C-07	<a href="#">16.1.066</a>		E	E83.2 C-07	3.5.1.002	Concrete; foundation; substation	Concrete; porous concrete	Water – flowing	Reduction of foundation strength and settling due to differential settlement and erosion of porous concrete substation	AMP XI.56, "Structures Monitoring"	Yes				



	No	No	No	N	B3.2	CP-121	<a href="#">1.63.099</a>		M	E.B3.2 CP-121	1.51.072	Concrete (accessible areas) dome, wall, basement	Concrete	Any	Cracking due to expansion from reaction with aggregates	Part-specific aging management program significant if it is demonstrated that in-place concrete can achieve the design life.	Yes	BWR	C-40	(B3.2-4C)-40)
Yes	No	No	No	I	B3.2	CP-120	<a href="#">1.63.098</a>		M	E.B3.2 CP-122	1.51.014	Concrete (accessible areas) dome, wall, basement	Concrete	Water - flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	Part-specific aging management program	Yes	BWR	C-32	(B3.2-6C)-32)
Yes	No	No	No	I	B3.2	CP-136	<a href="#">1.63.091</a>		M	E.B3.2 CP-136	1.51.011	Concrete (accessible areas) dome, wall, basement	Concrete	Water - groundwater	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	Part-specific aging management program to be evaluated for plants in moderate to severe wear/tearing	Yes	BWR	C-29	(B3.2-6C)-29)
Yes	No	No	No	N	E.B3.2	CP-35	<a href="#">1.63.088</a>		M	E.B3.2 CP-35	1.51.035	Steel elements (accessible areas) floor, liner anchors, integral attachments	Steel	Air - indoor uncontrolled	Loss of material due to general pitting, crevice corrosion	AMP X3.1, "NAME Section X, Subsection IWE," and AMP X.54, "CS CFR Part 50, Appendix F"	Yes	BWR	C-26	(B3.2-6C)-26)
No	No	No	No	F	B3.2	CP-32	<a href="#">1.63.079</a>		M	E.B3.2 CP-32	1.51.018	Concrete (accessible areas) dome, wall, basement	Concrete	Air - outdoor, groundwater	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X3.1, "NAME Section X, Subsection IWE," and AMP X.54, "CS CFR Part 50, Appendix F"	No	BWR	C-29	(B3.2-3C)-29)
No	No	No	No	I	B3.2	CP-35	<a href="#">1.63.088</a>		M	E.B3.2 CP-35	1.51.020	Concrete (accessible areas) dome, wall, basement	Concrete	Water - flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	AMP X3.2, "NAME Section X, Subsection IWE," and Supplemental, as necessary by AMP X.58, "Structures Monitoring"	No	BWR	C-32	(B3.2-6C)-32)
No	No	No	Yes	I	B3.2	CP-36	<a href="#">1.63.078</a>		M	E.B3.2 CP-36	1.51.019	Concrete (accessible areas) dome, wall, basement	Concrete	Any	Cracking due to expansion from reaction with aggregates	AMP X3.2, "NAME Section X, Subsection IWE," and Supplemental, as necessary by AMP X.58, "Structures Monitoring"	No	BWR	C-40	(B3.2-4C)-40)
No	No	No	No	I	B3.2	CP-73	<a href="#">1.63.084</a>		M	E.B3.2 CP-73	1.51.024	Concrete (accessible areas) dome, wall, basement	Concrete	Air - indoor uncontrolled, air - outdoor	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP X3.2, "NAME Section X, Subsection IWE," and Supplemental, as necessary by AMP X.58, "Structures Monitoring"	No	BWR	C-27	(B3.2-6C)-27)
No	No	No	No	I	B3.2	CP-84	<a href="#">1.63.084</a>		M	E.B3.2 CP-84	1.51.024	Concrete (accessible areas) dome, wall, basement	Concrete	Air - indoor uncontrolled, air - outdoor	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP X3.2, "NAME Section X, Subsection IWE," and Supplemental, as necessary by AMP X.58, "Structures Monitoring"	No	BWR	C-27	(B3.2-6C)-27)
Yes	No	No	No	I	B3.2	CP-88	<a href="#">1.63.081</a>		M	E.B3.2 CP-88	1.51.021	Concrete (accessible areas) dome, wall, basement, reinforcing steel	Concrete	Air - indoor uncontrolled, air - outdoor	Cracking, loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X3.2, "NAME Section X, Subsection IWE," and Supplemental, as necessary by AMP X.58, "Structures Monitoring"	No	BWR	C-42	(B3.2-6C)-42)
No	No	No	No	I	B3.2	CP-69	<a href="#">1.63.063</a>		M	E.B3.2 CP-69	1.51.023	Concrete (accessible areas) dome, wall, basement, reinforcing steel	Concrete	Air - indoor uncontrolled, air - outdoor	Cracking, loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X3.2, "NAME Section X, Subsection IWE," and Supplemental, as necessary by AMP X.58, "Structures Monitoring"	No	BWR	C-42	(B3.2-6C)-42)
Yes	No	No	Yes	I	B3.2	CP-68	<a href="#">1.63.068</a>		F	E.B3.2 CP-68	1.51.005	Steel elements (accessible areas) floor, liner anchors, integral attachments	Steel	Air - indoor uncontrolled	Loss of material due to general pitting, crevice corrosion	AMP X3.1, "NAME Section X, Subsection IWE," and AMP X.54, "CS CFR Part 50, Appendix F"	Yes	BWR	C-50	(B3.2-6C)-50)
Yes	No	No	No	I	B4	C-13	<a href="#">1.63.009</a>		M	E.B4 C-13	1.51.009	Medium fiber, metal pipe, equipment hatch, CRO hatch, penetration sleeves, penetration bellows	Steel, stainless steel, dissimilar metal welds	Air - outdoor	Cumulative fatigue damage due to fatigue (CSF CRP fatigue analysis required)	T.L.A., SPS-SPL Section 4.8, "Component Linear Peak and Penetration Fatigue Analysis"	Yes	BWR		(EBA-6C)-13)
No	No	No	No	I	B4	C-16	<a href="#">1.63.008</a>		M	E.B4 C-16	1.51.028	Personnel access, equipment hatch, CRO hatch	Steel	Air - indoor uncontrolled, air - outdoor	Loss of material due to general pitting, crevice corrosion	AMP X3.1, "NAME Section X, Subsection IWE," and AMP X.54, "CS CFR Part 50, Appendix F"	No	BWR		(EBA-6C)-16)
No	No	No	No	I	B4	CP-148	<a href="#">1.63.061</a>		M	E.B4 CP-148	1.51.031	Access-requiring platform	Steel	Air - indoor uncontrolled, air - outdoor	Loss of material due to general pitting, crevice corrosion	AMP X3.1, "NAME Section X, Subsection IWE"	No	BWR	New Record in GALL 2	
Yes	No	No	No	I	B4	CP-150	<a href="#">1.63.060</a>		M	E.B4 CP-150	1.51.034	Pressure-retaining vessel	Steel	Any	Loss of prestress due to self-healing	AMP X3.1, "NAME Section X, Subsection IWE," and AMP X.54, "CS CFR Part 50, Appendix F"	No	BWR	New Record in GALL 2	
Yes	No	No	No	I	B4	CP-152	<a href="#">1.63.060</a>	L.R. ISO-2013-01	M	E.B4 CP-152	1.51.030	Process internal (cooling coils)	Cooling coils	Air - indoor uncontrolled, vessels or water	Loss of coating or lining integrity due to flaking, cracking, flaking, pinning, delamination, raveling, physical damage	AMP X3.5, "Phosphate Coating Monitoring and Maintenance"	No	BWR	New Record in GALL 2	
Yes	No	No	No	I	B4	CP-38	<a href="#">1.63.002</a>		M	E.B4 CP-38	1.51.035	Penetration sleeves	Steel, dissimilar metal welds	Air - indoor uncontrolled, air - outdoor	Loss of material due to general pitting, crevice corrosion	AMP X3.1, "NAME Section X, Subsection IWE," and AMP X.54, "CS CFR Part 50, Appendix F"	Yes	BWR	C-12	(EBA-12C)-12)
Yes	No	No	No	I	B4	CP-37	<a href="#">1.63.007</a>		M	E.B4 CP-37	1.51.027	Medium fiber, metal pipes, equipment hatch, CRO hatch, penetration sleeves, penetration bellows	Steel, stainless steel, dissimilar metal welds	Air - indoor uncontrolled, air - outdoor	Cracking due to cyclic loading (CLB fatigue analysis due to non-stress)	AMP X3.1, "NAME Section X, Subsection IWE," and AMP X.54, "CS CFR Part 50, Appendix F"	No	BWR	C-14	(EBA-3C)-14)
Yes	No	No	Yes	I	B4	CP-38	<a href="#">1.63.002</a>		F	E.B4 CP-38	1.51.035	Penetration sleeves, penetration bellows	Stainless steel, dissimilar metal welds	Air - indoor uncontrolled, air - outdoor	Cracking due to SCC	AMP X3.1, "NAME Section X, Subsection IWE," and AMP X.54, "CS CFR Part 50, Appendix F"	Yes	BWR	C-15	(EBA-25C)-15)
Yes	No	No	No	F	B4	CP-39	<a href="#">1.63.002</a>		M	E.B4 CP-39	1.51.029	Personnel access, equipment hatch, CRO hatch, locks, latches, closure mechanisms	Steel	Air - indoor uncontrolled, air - outdoor	Loss of leak tightness due to mechanical wear	AMP X3.1, "NAME Section X, Subsection IWE," and AMP X.54, "CS CFR Part 50, Appendix F"	No	BWR	C-17	(EBA-3C)-17)
No	No	No	No	I	B4	CP-40	<a href="#">1.63.002</a>		M	E.B4 CP-40	1.51.026	Moisture barriers (caulks, seal, surface cracks, other seals)	Elastomer, rubber and other similar materials	Air - indoor uncontrolled	Loss of sealing due to wear, damage, erosion, loss, surface cracks, other defects	AMP X3.1, "NAME Section X, Subsection IWE"	No	BWR	C-18	(EBA-7C)-18)
No	No	No	No	I	B4	CP-41	<a href="#">1.63.002</a>		M	E.B4 CP-41	1.51.033	Seals and gaskets	Elastomer, rubber and other similar materials	Air - indoor uncontrolled, air - outdoor	Loss of sealing due to wear, damage, erosion, loss, surface cracks, other defects	AMP X3.1, "NAME Section X, Subsection IWE," and AMP X.54, "CS CFR Part 50, Appendix F"	No	BWR	C-18	(EBA-7C)-18)
No	No	No	No	M	A1	T-12	<a href="#">1.63.004</a>		M	E.A1 T-12	1.51.070	Masonry walls, air - outdoor	Concrete block	Cracking due to restraint shrinkage, creep, and aggressive environment	AMP X3.5, "Masonry Walls"	No	BWR/PWR		(EBA-11T)-12)	
Yes	No	No	No	I	B1	TP-108	<a href="#">1.63.090</a>		M	E.B1 TP-108	1.51.042	Concrete (accessible areas) foundation	Concrete	Air - indoor uncontrolled, air - outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	Part-specific aging management program to be evaluated for plants in moderate to severe wear/tearing conditions	Yes	BWR/PWR	T-01	(EBA-6T)-01)
Yes	No	No	No	I	B1	TP-114	<a href="#">1.63.090</a>		M	E.B1 TP-114	1.51.048	Concrete, all	Concrete	Air - indoor uncontrolled	Reduction of strength and modulus due to elevated temperature (>150°F general >200°F local)	Part-specific aging management program to be evaluated if temperature limits exceeded	Yes	BWR/PWR	T-10	(EBA-6T)-10)
Yes	No	No	No	I	B1	TP-204	<a href="#">1.63.064</a>		M	E.B1 TP-204	1.51.043	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregates	Part-specific aging management program	Yes	BWR/PWR	T-03	(EBA-4T)-03)
No	No	No	No	I	B1	TP-212	<a href="#">1.63.065</a>		M	E.B1 TP-212	1.51.065	Concrete (accessible areas) below grade exterior, foundation	Concrete	Groundwater	Cracking, loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	T-05	(EBA-4T)-05)
No	No	No	No	I	B1	TP-223	<a href="#">1.63.062</a>		M	E.B1 TP-223	1.51.064	Concrete (accessible areas) below grade exterior, foundation	Concrete	Air - outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	T-01	(EBA-6T)-01)
No	No	No	No	I	B1	TP-24	<a href="#">1.63.063</a>		M	E.B1 TP-24	1.51.063	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Water - flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	T-02	(EBA-7T)-02)
Yes	No	No	No	I	B1	TP-248	<a href="#">1.63.066</a>		M	E.B1 TP-248	1.51.080	Structural bolting	Steel	Air - indoor uncontrolled, air - outdoor	Loss of material due to general pitting, crevice corrosion	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
No	No	No	Yes	I	B1	TP-25	<a href="#">1.63.064</a>		F	E.B1 TP-25	1.51.064	Concrete (accessible areas) below grade exterior	Concrete	Any	Cracking due to expansion from reaction with aggregates	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	T-03	(EBA-7T)-03)
No	No	No	No	I	B1	TP-26	<a href="#">1.63.068</a>		M	E.B1 TP-26	1.51.066	Concrete (accessible areas) exterior above and below-grade exterior	Concrete	Air - indoor uncontrolled, air - outdoor	Cracking, loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	T-04	(EBA-6T)-04)
Yes	No	No	Yes	I	B1	TP-261	<a href="#">1.63.085</a>		F	E.B1 TP-261	1.51.068	Structural bolting	Any	Any	Loss of prestress due to self-healing	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
No	No	No	No	I	B1	TP-27	<a href="#">1.63.062</a>		M	E.B1 TP-27	1.51.065	Concrete (accessible areas) below grade exterior, foundation	Concrete	Groundwater	Cracking, loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	T-05	(EBA-4T)-05)
No	No	No	No	I	B1	TP-274	<a href="#">1.63.065</a>		M	E.B1 TP-274	1.51.062	Structural bolting	Steel, galvanized steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
No	No	No	No	I	B1	TP-28	<a href="#">1.63.067</a>		M	E.B1 TP-28	1.51.067	Concrete interior above grade exterior	Concrete	Air - indoor uncontrolled, air - outdoor	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	T-06	(EBA-15T)-06)
No	No	No	No	I	B1	TP-29	<a href="#">1.63.062</a>		M	E.B1 TP-29	1.51.067	Concrete (accessible areas) below grade exterior, foundation	Concrete	Groundwater	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	T-07	(EBA-5T)-07)
Yes	No	No	Yes	I	B1	TP-30	<a href="#">1.63.084</a>		M	E.B1 TP-30	1.51.044	Concrete, all	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP X3.6, "Structures Monitoring"	Yes	BWR/PWR	T-08	(EBA-3T)-08)
Yes	No	Yes	No	I	B1	TP-300	<a href="#">1.63.070</a>		F	E.B1 TP-300	1.51.070	Steel components, all structural steel	Steel	Air - indoor uncontrolled, air - outdoor	Loss of material due to corrosion	AMP X3.6, "Structures Monitoring"	No	BWR	T-11	(EBA-12T)-11)
Yes	No	No	Yes	I	B1	TP-302	<a href="#">1.63.072</a>		F	E.B1 TP-302	1.51.077	Steel components, all structural steel	Steel	Air - indoor uncontrolled, air - outdoor	Loss of material due to corrosion	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	T-11	(EBA-12T)-11)
No	No	No	Yes	I	B1	TP-31	<a href="#">1.63.086</a>		F	E.B1 TP-31	1.51.048	Concrete foundation, subfoundation	Concrete, porous concrete	Water - flowing	Reduction of foundation strength and cracking due to differential settlement and erosion of porous concrete subfoundation	AMP X3.6, "Structures Monitoring"	Yes	BWR/PWR	T-09	(EBA-8T)-09)
Yes	No	No	No	I	B1	TP-34	<a href="#">1.63.071</a>		M	E.B1 TP-34	1.51.071	Masonry walls, air - outdoor	Concrete block	Air - outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X3.6, "Masonry Walls"	No	BWR/PWR		(EBA-7T)-02)
Yes	No	No	No	I	B1	TP-47	<a href="#">1.63.067</a>		M	E.B1 TP-47	1.51.047	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Water - flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	Part-specific aging management program	Yes	BWR/PWR	T-02	(EBA-7T)-02)
No	No	No	No	I	B2	T-12	<a href="#">1.63.070</a>		M	E.B2 T-12	1.51.070	Masonry walls, air - outdoor	Concrete block	Air - indoor uncontrolled, air - outdoor	Cracking due to restraint shrinkage, creep, and aggressive environment	AMP X3.5, "Masonry Walls"	No	BWR		(EBA-11T)-12)
Yes	No	No	No	I	B2	TP-108	<a href="#">1.63.090</a>		M	E.B2 TP-108	1.51.042	Concrete (accessible areas) foundation	Concrete	Air - outdoor, air - indoor uncontrolled, air - outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	Part-specific aging management program to be evaluated for plants in moderate to severe wear/tearing conditions	Yes	BWR	T-01	(EBA-6T)-01)
Yes	No	No	Yes	I	B2	TP-114	<a href="#">1.63.090</a>		F	E.B2 TP-114	1.51.048	Concrete, all	Concrete	Air - indoor uncontrolled	Reduction of strength and modulus due to elevated temperature (>150°F general >200°F local)	Part-specific aging management program to be evaluated if temperature limits exceeded	Yes	BWR	T-10	(EBA-6T)-10)
Yes	No	No	No	I	B2	TP-204	<a href="#">1.63.064</a>		M	E.B2 TP-204	1.51.043	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregates	Part-specific aging management program	Yes	BWR	T-03	(EBA-4T)-03)
No	No	No	No	I	B2	TP-212	<a href="#">1.63.065</a>		M	E.B2 TP-212	1.51.065	Concrete (accessible areas) below grade exterior, foundation	Concrete	Groundwater	Cracking, loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X3.6, "Structures Monitoring"	No	BWR	T-05	(EBA-4T)-05)
No	No	No	No	I	B2	TP-223	<a href="#">1.63.062</a>		M	E.B2 TP-223	1.51.064	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Air - outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X3.6, "Structures Monitoring"	No	BWR	T-01	(EBA-6T)-01)
No	No	No	No	I	B2	TP-24	<a href="#">1.63.063</a>		M	E.B2 TP-24	1.51.063	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Water - flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	AMP X3.6, "Structures Monitoring"	No	BWR	T-02	(EBA-7T)-02)
Yes	No	No	Yes	I	B2	TP-248	<a href="#">1.63.066</a>		M	E.B2 TP-248	1.51.080	Structural bolting	Steel	Air - indoor uncontrolled, air - outdoor	Loss of material due to general pitting, crevice corrosion	AMP X3.6, "Structures Monitoring"	No	BWR	New Record in GALL 2	
Yes	No	No	No	I	B2	TP-25	<a href="#">1.63.064</a>		F	E.B2 TP-25	1.51.064	Concrete (accessible areas) below grade exterior	Concrete	Any	Cracking due to expansion from reaction with aggregates	AMP X3.6, "Structures Monitoring"	No	BWR	New Record in GALL 2	
Yes	No	No	Yes	I	B2	TP-26	<a href="#">1.63.068</a>		M	E.B2 TP-26	1.51.066	Concrete (accessible areas) exterior above and below-grade exterior	Concrete	Air - indoor uncontrolled, air - outdoor	Cracking, loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X3.6, "Structures Monitoring"	No	BWR	T-04	(EBA-6T)-04)
Yes	No	No	Yes	I	B2	TP-261	<a href="#">1.63.085</a>		F	E.B2 TP-261	1.51.068	Structural bolting	Any	Any	Loss of prestress due to self-healing	AMP X3.6, "Structures Monitoring"	No	BWR	New Record in GALL 2	
No	No	No	No	I	B2	TP-27	<a href="#">1.63.062</a>		M	E.B2 TP-27	1.51.065	Concrete (accessible areas) below grade exterior, foundation	Concrete	Groundwater	Cracking, loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X3.6, "Structures Monitoring"	No	BWR	T-05	(EBA-4T)-05)
No	No	No	No	I	B2	TP-274	<a href="#">1.63.065</a>		M	E.B2 TP-274	1.51.062	Structural bolting	Steel, galvanized steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion	AMP X3.6, "Structures Monitoring"	No	BWR	New Record in GALL 2	
No	No	No	No	I	B2	TP-28	<a href="#">1.63.067</a>		M	E.B2 TP-28	1.51.067	Concrete interior above grade exterior	Concrete	Air - indoor uncontrolled, air - outdoor	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP X3.6, "Structures Monitoring"	No	BWR/PWR	T-06	(EBA-15T)-06)
No	No	No	No	I	B2	TP-29	<a href="#">1.63.062</a>		M	E.B2 TP-29	1.51.067	Concrete (accessible areas) below grade exterior, foundation	Concrete	Groundwater	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP X3.6, "Structures Monitoring"	No	BWR	T-07	(EBA-5T)-07)
Yes	No	No	Yes	I	B2	TP-30	<a href="#">1.63.084</a>		M	E.B2 TP-30	1.51.044	Concrete, all	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP X3.6, "Structures Monitoring"	Yes	BWR	T-08	(EBA-3T)-08)
Yes	No	Yes	No	I	B2	TP-300	<a href="#">1.63.070</a>		F	E.B2 TP-300	1.51.070	Steel components, all structural steel	Steel	Air - indoor uncontrolled, air - outdoor	Loss of material due to corrosion	AMP X3.6, "Structures Monitoring"	No	BWR	T-11	(EBA-12



Yes	No	No	No	B	A2	TP-108	<a href="#">16.1.04</a>		M	8.A2-TP-108	3.5.1.042	Concrete (accessible areas) foundation	Concrete	Ar - outdoor, groundwater	Loss of material (spalling, scaling) and cracking due to freeze-thaw	Plant-specific aging management program to be evaluated for plants in moderate to severe weathering conditions	Yes	BWR	T-01	8.A2-6T-01
Yes	No	No	Yes	B	A2	TP-114	<a href="#">16.1.06</a>		E	8.A2-TP-114	3.5.1.043	Concrete all	Concrete	Ar - indoor, uncontrolled	Reduction of strength and modulus due to elevated temperature (>150°F general, >200°F local)	Plant-specific aging management program to be evaluated if temperature limits exceeded	Yes	BWR/PWR	T-10	8.A2-12T-10
Yes	No	No	No	B	A2	TP-204	<a href="#">16.1.09</a>		N	8.A2-TP-204	3.5.1.043	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	Plant-specific aging management program	Yes	BWR/PWR	T-03	8.A2-2T-03
No	No	No	No	B	A2	TP-212	<a href="#">16.1.08</a>			8.A2-TP-212	3.5.1.065	Concrete (accessible areas) below-grade exterior, foundation	Concrete	Groundwater	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-05	8.A2-4T-05
No	No	No	No	B	A2	TP-219	<a href="#">16.1.07</a>			8.A2-TP-219	3.5.1.079	Steel components, pipe	Steel	Soil, groundwater	Loss of material due to corrosion	AMP 30.56, "Structures Monitoring"	No	New Record in GALL 2		
No	No	No	No	B	A2	TP-23	<a href="#">16.1.08</a>			8.A2-TP-23	3.5.1.084	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Ar - outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-01	8.A2-6T-01
No	No	No	No	B	A2	TP-24	<a href="#">16.1.09</a>			8.A2-TP-24	3.5.1.063	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Water - flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-02	8.A2-7T-02
Yes	No	No	No	B	A2	TP-248	<a href="#">16.1.06</a>		M	8.A2-TP-248	3.5.1.080	Structural bolting	Steel	Ar - indoor, uncontrolled, air - outdoor	Loss of material due to general, pitting, crevice corrosion	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
Yes	No	No	Yes	B	A2	TP-25	<a href="#">16.1.04</a>		E	8.A2-TP-25	3.5.1.054	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-03	8.A2-2T-03
No	No	No	No	B	A2	TP-26	<a href="#">16.1.08</a>			8.A2-TP-26	3.5.1.068	Concrete (accessible areas) interior and above-grade exterior	Concrete	Ar - indoor, uncontrolled, air - outdoor	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-04	8.A2-9T-04
Yes	No	No	Yes	B	A2	TP-261	<a href="#">16.1.08</a>		E	8.A2-TP-261	3.5.1.088	Structural bolting	Any	Any	Loss of preload due to self-loosening	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
No	No	No	No	B	A2	TP-27	<a href="#">16.1.05</a>			8.A2-TP-27	3.5.1.065	Concrete (accessible areas) below-grade exterior, foundation	Concrete	Groundwater	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-05	8.A2-4T-05
No	No	No	No	B	A2	TP-274	<a href="#">16.1.06</a>			8.A2-TP-274	3.5.1.082	Structural bolting	Steel, galvanized steel	Ar - outdoor	Loss of material due to general, pitting, crevice corrosion	AMP 30.56, "Structures Monitoring"	No	New Record in GALL 2		
No	No	No	No	B	A2	TP-28	<a href="#">16.1.07</a>			8.A2-TP-28	3.5.1.067	Concrete (interior) above-grade exterior	Concrete	Ar - indoor, uncontrolled, air - outdoor	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-06	8.A2-10T-06
No	No	No	No	B	A2	TP-29	<a href="#">16.1.06</a>			8.A2-TP-29	3.5.1.067	Concrete (accessible areas) below-grade exterior, foundation	Concrete	Groundwater	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-07	8.A2-5T-07
Yes	No	No	Yes	B	A2	TP-30	<a href="#">16.1.04</a>		E	8.A2-TP-30	3.5.1.044	Concrete all	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP 30.56, "Structures Monitoring"	Yes	BWR/PWR	T-08	8.A2-3T-08
Yes	No	Yes	No	B	A2	TP-300	<a href="#">16.1.07</a>		D	8.A2-TP-300		Steel components all structural steel	Steel	Ar - indoor, uncontrolled, air - outdoor	Loss of material due to corrosion	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-11	8.A2-12T-11
Yes	No	No	Yes	B	A2	TP-31	<a href="#">16.1.04</a>		E	8.A2-TP-31	3.5.1.048	Concrete, foundation, subfoundation	Concrete, porous concrete	Water - flowing	Reduction of foundation strength and cracking due to differential settlement and erosion of porous concrete subfoundation	AMP 30.56, "Structures Monitoring"	Yes	BWR/PWR	T-09	8.A2-8T-09
Yes	Yes	No	No	B	A2	TP-34	<a href="#">16.1.07</a>		N	8.A2-TP-34	3.5.1.071	Masonry walls, all	Concrete block	Ar - outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP 30.55, "Masonry Walls"	No	BWR/PWR		
Yes	No	No	No	B	A2	TP-67	<a href="#">16.1.04</a>		M	8.A2-TP-67	3.5.1.047	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Water - flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	Plant-specific aging management program	Yes	BWR/PWR	T-02	8.A2-7T-02
Yes	Yes	No	No	B	A4	T-35	<a href="#">16.1.07</a>		N	8.A4-T-35	3.5.1.057	Group 4. Concrete reactor wall area proximate to the reactor vessel, reactor (primary biological shield) wall, auxiliary shield wall, reactor vessel support structure	Concrete	Ar - indoor, uncontrolled	Reduction of strength, loss of material (spalling, scaling) due to radiation (i.e., radiation interactions with material and radiation-induced heating)	Plant-specific aging management program	Yes	BWR/PWR		
Yes	No	No	Yes	B	A4	TP-114	<a href="#">16.1.08</a>		E	8.A4-TP-114	3.5.1.048	Concrete all	Concrete	Ar - indoor, uncontrolled	Reduction of strength and modulus due to elevated temperature (>150°F general, >200°F local)	Plant-specific aging management program to be evaluated if temperature limits exceeded	Yes	BWR/PWR	T-10	8.A4-12T-10
Yes	No	No	No	B	A4	TP-204	<a href="#">16.1.04</a>		M	8.A4-TP-204	3.5.1.043	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	Plant-specific aging management program	Yes	BWR/PWR	T-03	8.A4-2T-03
Yes	No	No	No	B	A4	TP-248	<a href="#">16.1.09</a>		M	8.A4-TP-248	3.5.1.080	Structural bolting	Steel	Ar - indoor, uncontrolled, air - outdoor	Loss of material due to general, pitting, crevice corrosion	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
No	No	No	Yes	B	A4	TP-25	<a href="#">16.1.04</a>		E	8.A4-TP-25	3.5.1.054	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-03	8.A4-2T-03
No	No	No	No	B	A4	TP-26	<a href="#">16.1.08</a>			8.A4-TP-26	3.5.1.068	Concrete (accessible areas) interior and above-grade exterior	Concrete	Ar - indoor, uncontrolled, air - outdoor	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-04	8.A4-9T-04
Yes	No	No	Yes	B	A4	TP-261	<a href="#">16.1.08</a>		E	8.A4-TP-261	3.5.1.088	Structural bolting	Any	Any	Loss of preload due to self-loosening	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
No	No	No	No	B	A4	TP-274	<a href="#">16.1.06</a>			8.A4-TP-274	3.5.1.082	Structural bolting	Steel, galvanized steel	Ar - outdoor	Loss of material due to general, pitting, crevice corrosion	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
No	No	No	No	B	A4	TP-28	<a href="#">16.1.07</a>			8.A4-TP-28	3.5.1.067	Concrete (interior) above-grade exterior	Concrete	Ar - indoor, uncontrolled, air - outdoor	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-06	8.A4-10T-06
Yes	No	Yes	No	B	A4	TP-300	<a href="#">16.1.07</a>		D	8.A4-TP-300		Service Level coatings	Coatings	Ar - indoor, uncontrolled, treated water	Loss of coating or flaking, integrity due to blistering, cracking, flaking, peeling, delamination, rubbing, physical damage	AMP 30.55, "Protective Coating Monitoring and Maintenance"	No	BWR/PWR	New Record in GALL 2	
Yes	No	No	Yes	B	A4	TP-302	<a href="#">16.1.07</a>		E	8.A4-TP-302	3.5.1.077	Steel components all structural steel	Steel	Ar - indoor, uncontrolled, air - outdoor	Loss of material due to corrosion	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-11	8.A4-12T-11
Yes	No	No	Yes	B	A4	TP-304	<a href="#">16.1.04</a>		E	8.A4-TP-304	3.5.1.044	Concrete all	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP 30.56, "Structures Monitoring"	Yes	BWR/PWR	New Record in GALL 2	
Yes	No	No	No	B	A4	TP-305	<a href="#">16.1.07</a>		M	8.A4-TP-305	3.5.1.047	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Water - flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	Plant-specific aging management program	Yes	BWR/PWR	New Record in GALL 2	
Yes	No	No	No	B	A4	TP-35	<a href="#">16.1.07</a>		M	8.A4-TP-35	3.5.1.076	Sliding surfaces, seal, beam seats in BWR, cross	Lubric, Flangeless Lubricator	Ar - indoor, uncontrolled	Loss of mechanical function due to corrosion, distortion, dirt debris accumulation, cavitation, wear	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-13	8.A4-6T-13
No	No	No	No	B	A5	T-12	<a href="#">16.1.07</a>			8.A5-T-12	3.5.1.070	Masonry walls, all	Concrete block	Ar - indoor, uncontrolled, air - outdoor	Cracking due to restraint shrinkage, creep, and aggregate environment	AMP 30.55, "Masonry Walls"	No	BWR/PWR		
Yes	No	No	No	B	A5	T-14	<a href="#">16.1.07</a>		N	8.A5-T-14	3.5.1.078	Reinforced steel pool liner	Stainless steel	Ar - outdoor	Cracking due to SCC, loss of material due to pitting and crevice corrosion	AMP 30.52, "Water Chemistry" and monitoring of the spent fuel pool water level and leakage from the leak class channels	No	BWR/PWR	8.A5-12T-14	Chap 1 EP change - 6/05/2014
Yes	No	No	No	B	A5	TP-108	<a href="#">16.1.04</a>		M	8.A5-TP-108	3.5.1.042	Concrete (accessible areas) foundation	Concrete	Ar - outdoor, groundwater	Loss of material (spalling, scaling) and cracking due to freeze-thaw	Plant-specific aging management program to be evaluated for plants in moderate to severe weathering conditions	Yes	BWR	T-01	8.A5-6T-01
Yes	No	No	Yes	B	A5	TP-114	<a href="#">16.1.06</a>		E	8.A5-TP-114	3.5.1.048	Concrete all	Concrete	Ar - indoor, uncontrolled	Reduction of strength and modulus due to elevated temperature (>150°F general, >200°F local)	Plant-specific aging management program to be evaluated if temperature limits exceeded	Yes	BWR/PWR	T-10	8.A5-12T-10
Yes	No	No	No	B	A5	TP-204	<a href="#">16.1.04</a>			8.A5-TP-204	3.5.1.043	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	Plant-specific aging management program	Yes	BWR/PWR	T-03	8.A5-2T-03
No	No	No	No	B	A5	TP-212	<a href="#">16.1.06</a>			8.A5-TP-212	3.5.1.065	Concrete (accessible areas) below-grade exterior, foundation	Concrete	Groundwater	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-05	8.A5-4T-05
No	No	No	No	B	A5	TP-23	<a href="#">16.1.08</a>			8.A5-TP-23	3.5.1.064	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Ar - outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-01	8.A5-6T-01
No	No	No	No	B	A5	TP-24	<a href="#">16.1.09</a>			8.A5-TP-24	3.5.1.063	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Water - flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-02	8.A5-7T-02
Yes	No	No	No	B	A5	TP-248	<a href="#">16.1.06</a>		M	8.A5-TP-248	3.5.1.080	Structural bolting	Steel	Ar - indoor, uncontrolled, air - outdoor	Loss of material due to general, pitting, crevice corrosion	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
Yes	No	No	Yes	B	A5	TP-25	<a href="#">16.1.04</a>		E	8.A5-TP-25	3.5.1.054	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-03	8.A5-2T-03
No	No	No	No	B	A5	TP-26	<a href="#">16.1.08</a>			8.A5-TP-26	3.5.1.068	Concrete (accessible areas) interior and above-grade exterior	Concrete	Ar - indoor, uncontrolled, air - outdoor	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-04	8.A5-9T-04
Yes	No	No	Yes	B	A5	TP-261	<a href="#">16.1.08</a>		E	8.A5-TP-261	3.5.1.088	Structural bolting	Any	Any	Loss of preload due to self-loosening	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
No	No	No	No	B	A5	TP-27	<a href="#">16.1.05</a>			8.A5-TP-27	3.5.1.065	Concrete (accessible areas) below-grade exterior, foundation	Concrete	Groundwater	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-05	8.A5-4T-05
No	No	No	No	B	A5	TP-274	<a href="#">16.1.06</a>			8.A5-TP-274	3.5.1.082	Structural bolting	Steel, galvanized steel	Ar - outdoor	Loss of material due to general, pitting, crevice corrosion	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2	
No	No	No	No	B	A5	TP-28	<a href="#">16.1.07</a>			8.A5-TP-28	3.5.1.067	Concrete (interior) above-grade exterior	Concrete	Ar - indoor, uncontrolled, air - outdoor	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-06	8.A5-10T-06
No	No	No	No	B	A5	TP-29	<a href="#">16.1.06</a>			8.A5-TP-29	3.5.1.067	Concrete (accessible areas) below-grade exterior, foundation	Concrete	Groundwater	Increase in porosity and permeability, cracking, loss of material (spalling, scaling) due to aggressive chemical attack	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-07	8.A5-5T-07
Yes	No	No	Yes	B	A5	TP-30	<a href="#">16.1.04</a>		E	8.A5-TP-30	3.5.1.044	Concrete all	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP 30.56, "Structures Monitoring"	Yes	BWR/PWR	T-08	8.A5-3T-08
Yes	No	Yes	No	B	A5	TP-300	<a href="#">16.1.07</a>		D	8.A5-TP-300		Steel components all structural steel	Steel	Ar - indoor, uncontrolled, air - outdoor	Loss of material due to corrosion	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-11	8.A5-12T-11
Yes	No	No	Yes	B	A5	TP-302	<a href="#">16.1.07</a>		E	8.A5-TP-302	3.5.1.077	Steel components all structural steel	Steel	Ar - indoor, uncontrolled, air - outdoor	Loss of material due to corrosion	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-11	8.A5-12T-11
Yes	No	No	Yes	B	A5	TP-31	<a href="#">16.1.04</a>		E	8.A5-TP-31	3.5.1.048	Concrete, foundation, subfoundation	Concrete, porous concrete	Water - flowing	Reduction of foundation strength and cracking due to differential settlement and erosion of porous concrete subfoundation	AMP 30.56, "Structures Monitoring"	Yes	BWR/PWR	T-09	8.A5-8T-09
No	No	No	No	B	A5	TP-34	<a href="#">16.1.07</a>		N	8.A5-TP-34	3.5.1.071	Masonry walls, all	Concrete block	Ar - outdoor	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP 30.55, "Masonry Walls"	No	BWR/PWR	New Record in GALL 2	
Yes	No	No	No	B	A5	TP-67	<a href="#">16.1.04</a>		M	8.A5-TP-67	3.5.1.047	Concrete (accessible areas) exterior above and below-grade, foundation	Concrete	Water - flowing	Increase in porosity and permeability, loss of strength due to leaching of calcium hydroxide and carbonation	Plant-specific aging management program	Yes	BWR/PWR	T-02	8.A5-7T-02
No	No	No	No	B	A6	T-12	<a href="#">16.1.07</a>			8.A6-T-12	3.5.1.070	Concrete block	Concrete block	Ar - indoor, uncontrolled, air - outdoor	Cracking due to restraint shrinkage, creep, and aggregate environment	AMP 30.55, "Masonry Walls"	No	BWR/PWR	8.A6-10T-12	
Yes	No	No	Yes	B	A6	T-20	<a href="#">16.1.06</a>		E	8.A6-T-20	3.5.1.056	Concrete, exterior above and below-grade, foundation, interior slab	Concrete	Water - flowing	Loss of material due to abrasion, cavitation	AMP 30.57, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC / US Army Corps of Engineers Dam Inspection and Maintenance Programs	No	BWR/PWR	8.A6-7T-20	
Yes	No	No	No	B	A6	T-22	<a href="#">16.1.08</a>		M	8.A6-T-22	3.5.1.058	Surface water-control structures, dams, embankments, channels, levees, reservoirs, dikes, weirs, sills, etc.	Various	Ar - outdoor, water flowing or standing	Loss of material, loss of function due to erosion, settlement, sedimentation, frost action, waves, currents, surface runoff, etc.	AMP 30.57, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC / US Army Corps of Engineers Dam Inspection and Maintenance Programs	No	BWR/PWR	8.A6-9T-22	Chap 1 EP add 11/05/2014
Yes	Yes	No	No	B	A6	T-34	<a href="#">16.1.04</a>		N	8.A6-T-34	3.5.1.068	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	AMP 30.57, "Inspection of Water-Control Structures Associated with Nuclear Power Plants"	No	BWR/PWR		
No	No	No	No	B	A6	TP-104	<a href="#">16.1.05</a>			8.A6-TP-104	3.5.1.065	Concrete (accessible areas) all	Concrete	Ar - indoor, uncontrolled, air - outdoor	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP 30.56, "Structures Monitoring"	No	BWR/PWR	T-18	8.A6-1T-18
No	No	No	No	B	A6	TP-107	<a href="#">16.1.07</a>			8.A6-TP-107	3.5.1.067									



Yes	No	No	No	M	AE	TP-220	<a href="#">16.1.039</a>		M	BAE TP-220	3.5.1.050	Concrete (inaccessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	Plant-specific aging management program	Yes	BWR/PWR	T-17	(BAE-217-17)	
Yes	No	No	Yes	R	AE	TP-221	<a href="#">16.1.040</a>		E	BAE TP-221	3.5.1.051	Structural bolting	Steel	Any	Loss of material due to general, pitting, crevice corrosion	AMP X1.57, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC / US Army Corp of Engineers dam inspections and maintenance programs	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	Yes	R	AE	TP-223	<a href="#">16.1.042</a>	E	BAE TP-223	3.5.1.062	Group B: Wooden Piles, sheathing	Wood	Any	Loss of material; change in material properties due to weathering, chemical degradation, and any Corrosion dam inspections and maintenance programs	AMP X1.57, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC / US Army Corp of Engineers dam inspections and maintenance programs	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	M	AE	TP-248	<a href="#">16.1.069</a>		M	BAE TP-248	3.5.1.080	Structural bolting	Steel	Any	Loss of material due to general, pitting, crevice corrosion	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	Yes	R	AE	TP-261	<a href="#">16.1.088</a>		E	BAE TP-261	3.5.1.086	Structural bolting	Any	Any	Loss of prestress due to self-loosening	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	Yes	R	AE	TP-30	<a href="#">16.1.094</a>		E	BAE TP-30	3.5.1.044	Concrete all	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP X1.56, "Structures Monitoring"	Yes	BWR/PWR	T-08	(BAE-417-08)	
Yes	No	No	Yes	R	AE	TP-31	<a href="#">16.1.095</a>		E	BAE TP-31	3.5.1.048	Concrete, foundation, subfoundation	Concrete, porous concrete	Water – flowing	Reduction of foundation strength and cracking due to differential settlement and erosion of porous concrete subfoundation	AMP X1.56, "Structures Monitoring"	Yes	BWR/PWR	T-08	(BAE-417-08)	
Yes	Yes	No	No	R	AE	TP-34	<a href="#">16.1.072</a>		N	BAE TP-34	3.5.1.071	Masonry walls all	Concrete block	Any	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X1.55, "Masonry Walls"	No	BWR/PWR			
Yes	No	No	No	R	AE	TP-36	<a href="#">16.1.089</a>		M	BAE TP-36	3.5.1.080	Concrete (accessible areas) exterior above- and below-grade, foundation	Concrete	Any	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X1.57, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC / US Army Corp of Engineers dam inspections and maintenance programs	No	BWR/PWR	T-15	(BAE-517-15)	
Yes	No	No	No	R	AE	TP-37	<a href="#">16.1.091</a>		M	BAE TP-37	3.5.1.061	Concrete (accessible areas) exterior above- and below-grade, foundation, interior slab	Concrete	Any	Increase in porosity and permeability loss of strength due to leaching of calcium hydroxide and carbonation	AMP X1.57, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC / US Army Corp of Engineers dam inspections and maintenance programs	No	BWR/PWR	T-16	(BAE-617-16)	
Yes	No	No	Yes	R	AE	TP-38	<a href="#">16.1.039</a>		E	BAE TP-38	3.5.1.050	Concrete (accessible areas) all	Concrete	Any	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X1.57, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC / US Army Corp of Engineers dam inspections and maintenance programs	No	BWR/PWR	T-18	(BAE-117-18)	
Yes	No	No	No	R	AE	TP-7	<a href="#">16.1.078</a>		M	BAE TP-7	3.5.1.072	Seals, gaskets, mechanical fasteners (caulking, flashing, and other sealants)	Elastomer, rubber or other similar materials	Any	Loss of sealing due to wear, damage, cracking, surface cracks, other defects	AMP X1.56, "Structures Monitoring"	No	BWR/PWR		(BAE-1217-19)	
Yes	No	No	Yes	R	AE	TP-23	<a href="#">16.1.052</a>		E	BAE TP-23	3.5.1.052	Steel components, tank shell	Stainless steel	Water – standing	Cracking due to SCC; loss of material due to pitting and crevice corrosion	Plant-specific aging management program	Yes	BWR/PWR		(BAE-1171-23)	
Yes	No	No	No	R	AE	TP-108	<a href="#">16.1.092</a>		M	BAE TP-108	3.5.1.042	Concrete (accessible areas) foundation	Concrete	Any	Cracking due to expansion from reaction with aggregate	Plant-specific aging management program to be evaluated for plants in moderate to severe weathering conditions	Yes	BWR	T-01	(BAE-517-01)	
Yes	No	No	No	R	AE	TP-204	<a href="#">16.1.093</a>		M	BAE TP-204	3.5.1.043	Concrete (inaccessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	Plant-specific aging management program	Yes	BWR/PWR	T-03	(BAE-1171-03)	
No	No	No	No	R	AE	TP-212	<a href="#">16.1.065</a>			BAE TP-212	3.5.1.065	Concrete (inaccessible areas) below-grade exterior, foundation	Concrete	Groundwater/silt	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-05	(BAE-317-05)	
No	No	No	No	R	AE	TP-23	<a href="#">16.1.064</a>			BAE TP-23	3.5.1.064	Concrete (accessible areas) exterior above- and below-grade, foundation	Concrete	Any	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-01	(BAE-517-01)	
No	No	No	No	R	AE	TP-24	<a href="#">16.1.063</a>			BAE TP-24	3.5.1.063	Concrete (accessible areas) exterior above- and below-grade, foundation	Concrete	Water – flowing	Increase in porosity and permeability loss of strength due to leaching of calcium hydroxide and carbonation	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-02	(BAE-617-02)	
Yes	No	No	No	R	AE	TP-248	<a href="#">16.1.080</a>		M	BAE TP-248	3.5.1.080	Structural bolting	Steel	Any	Loss of material due to general, pitting, crevice corrosion	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	Yes	R	AE	TP-25	<a href="#">16.1.054</a>		E	BAE TP-25	3.5.1.054	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-03	(BAE-1171-03)	
No	No	No	No	R	AE	TP-26	<a href="#">16.1.066</a>			BAE TP-26	3.5.1.066	Concrete (accessible areas) interior and above-grade exterior	Concrete	Any	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-04	(BAE-617-04)	
Yes	No	No	Yes	R	AE	TP-261	<a href="#">16.1.088</a>		E	BAE TP-261	3.5.1.088	Structural bolting	Any	Any	Loss of prestress due to self-loosening	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2		
No	No	No	No	R	AE	TP-27	<a href="#">16.1.094</a>			BAE TP-27	3.5.1.065	Concrete (accessible areas) below-grade exterior, foundation	Concrete	Groundwater/silt	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-05	(BAE-317-05)	
No	No	No	No	R	AE	TP-274	<a href="#">16.1.092</a>			BAE TP-274	3.5.1.092	Structural bolting	Steel, galvanized steel	Any	Loss of material due to general, pitting, crevice corrosion	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2		
No	No	No	No	R	AE	TP-28	<a href="#">16.1.067</a>			BAE TP-28	3.5.1.067	Concrete (inaccessible areas) above-grade exterior	Concrete	Any	Cracking, loss of bond, and loss of material (spalling, scaling) due to aggressive chemical attack	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-06	(BAE-617-06)	
No	No	No	No	R	AE	TP-29	<a href="#">16.1.061</a>			BAE TP-29	3.5.1.067	Concrete (inaccessible areas) below-grade exterior, foundation	Concrete	Groundwater/silt	Increase in porosity and permeability loss of strength due to leaching of calcium hydroxide and carbonation	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-07	(BAE-417-07)	
Yes	No	No	Yes	R	AE	TP-30	<a href="#">16.1.044</a>			BAE TP-30	3.5.1.044	Concrete all	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP X1.56, "Structures Monitoring"	Yes	BWR/PWR	T-08	(BAE-217-08)	
Yes	No	Yes	No	R	AE	TP-300	<a href="#">16.1.072</a>		D	BAE TP-300											
Yes	No	No	Yes	R	AE	TP-302	<a href="#">16.1.077</a>		E	BAE TP-302	3.5.1.077	Steel components all structural steel	Steel	Any	Loss of material due to corrosion	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-11	(BAE-1017-11)	
Yes	No	No	Yes	R	AE	TP-31	<a href="#">16.1.048</a>		E	BAE TP-31	3.5.1.048	Concrete, foundation, subfoundation	Concrete, porous concrete	Water – flowing	Reduction of foundation strength and cracking due to differential settlement and erosion of porous concrete subfoundation	AMP X1.56, "Structures Monitoring"	Yes	BWR/PWR	T-09	(BAE-717-09)	
Yes	No	No	No	R	AE	TP-47	<a href="#">16.1.047</a>		M	BAE TP-47	3.5.1.047	Concrete (inaccessible areas) exterior above- and below-grade, foundation	Concrete	Water – flowing	Increase in porosity and permeability loss of strength due to leaching of calcium hydroxide and carbonation	Plant-specific aging management program	Yes	BWR/PWR	T-02	(BAE-617-02)	
Yes	No	No	Yes	R	AE	TP-23	<a href="#">16.1.052</a>		E	BAE TP-23	3.5.1.052	Steel components, tank shell	Stainless steel	Water – standing	Cracking due to SCC; loss of material due to pitting and crevice corrosion	Plant-specific aging management program	Yes	BWR/PWR		(BAE-1171-23)	
Yes	No	No	No	R	AE	TP-108	<a href="#">16.1.094</a>		M	BAE TP-108	3.5.1.042	Concrete (accessible areas) foundation	Concrete	Any	Cracking due to expansion from reaction with aggregate	Plant-specific aging management program to be evaluated for plants in moderate to severe weathering conditions	Yes	BWR	T-01	(BAE-517-01)	
Yes	No	No	No	R	AE	TP-204	<a href="#">16.1.093</a>		M	BAE TP-204	3.5.1.043	Concrete (inaccessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	Plant-specific aging management program	Yes	BWR/PWR	T-03	(BAE-1171-03)	
No	No	No	No	R	AE	TP-212	<a href="#">16.1.065</a>			BAE TP-212	3.5.1.065	Concrete (inaccessible areas) below-grade exterior, foundation	Concrete	Groundwater/silt	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-05	(BAE-317-05)	
No	No	No	No	R	AE	TP-23	<a href="#">16.1.064</a>			BAE TP-23	3.5.1.064	Concrete (accessible areas) exterior above- and below-grade, foundation	Concrete	Any	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-01	(BAE-517-01)	
No	No	No	No	R	AE	TP-24	<a href="#">16.1.063</a>			BAE TP-24	3.5.1.063	Concrete (accessible areas) exterior above- and below-grade, foundation	Concrete	Water – flowing	Increase in porosity and permeability loss of strength due to leaching of calcium hydroxide and carbonation	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-02	(BAE-617-02)	
Yes	No	No	No	R	AE	TP-248	<a href="#">16.1.080</a>		M	BAE TP-248	3.5.1.080	Structural bolting	Steel	Any	Loss of material due to general, pitting, crevice corrosion	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	Yes	R	AE	TP-25	<a href="#">16.1.054</a>		E	BAE TP-25	3.5.1.054	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-03	(BAE-1171-03)	
Yes	No	No	Yes	R	AE	TP-261	<a href="#">16.1.088</a>		E	BAE TP-261	3.5.1.088	Structural bolting	Any	Any	Loss of prestress due to self-loosening	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2		
No	No	No	No	R	AE	TP-27	<a href="#">16.1.094</a>			BAE TP-27	3.5.1.065	Concrete (accessible areas) below-grade exterior, foundation	Concrete	Groundwater/silt	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-05	(BAE-317-05)	
No	No	No	No	R	AE	TP-274	<a href="#">16.1.092</a>			BAE TP-274	3.5.1.092	Structural bolting	Steel, galvanized steel	Any	Loss of material due to general, pitting, crevice corrosion	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	New Record in GALL 2		
No	No	No	No	R	AE	TP-28	<a href="#">16.1.067</a>			BAE TP-28	3.5.1.067	Concrete (inaccessible areas) above-grade exterior	Concrete	Any	Cracking, loss of bond, and loss of material (spalling, scaling) due to aggressive chemical attack	AMP X1.56, "Structures Monitoring"	No	BWR	T-06	(BAE-617-06)	
Yes	No	No	Yes	R	AE	TP-30	<a href="#">16.1.044</a>			BAE TP-30	3.5.1.044	Concrete all	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP X1.56, "Structures Monitoring"	Yes	BWR/PWR	T-08	(BAE-217-08)	
Yes	No	Yes	No	R	AE	TP-300	<a href="#">16.1.072</a>		D	BAE TP-300											
Yes	No	No	Yes	R	AE	TP-302	<a href="#">16.1.077</a>		E	BAE TP-302	3.5.1.077	Steel components all structural steel	Steel	Any	Loss of material due to corrosion	AMP X1.56, "Structures Monitoring"	No	BWR/PWR	T-11	(BAE-1017-11)	
Yes	No	No	Yes	R	AE	TP-31	<a href="#">16.1.048</a>		E	BAE TP-31	3.5.1.048	Concrete, foundation, subfoundation	Concrete, porous concrete	Water – flowing	Reduction of foundation strength and cracking due to differential settlement and erosion of porous concrete subfoundation	AMP X1.56, "Structures Monitoring"	Yes	BWR/PWR	T-09	(BAE-717-09)	
Yes	No	No	No	R	AE	TP-47	<a href="#">16.1.047</a>		M	BAE TP-47	3.5.1.047	Concrete (inaccessible areas) exterior above- and below-grade, foundation	Concrete	Water – flowing	Increase in porosity and permeability loss of strength due to leaching of calcium hydroxide and carbonation	Plant-specific aging management program	Yes	BWR/PWR	T-02	(BAE-617-02)	
Yes	No	No	No	R	AE	TP-108	<a href="#">16.1.094</a>		M	BAE TP-108	3.5.1.042	Concrete (accessible areas) foundation	Concrete	Any	Cracking due to expansion from reaction with aggregate	Plant-specific aging management program to be evaluated for plants in moderate to severe weathering conditions	Yes	BWR	T-01	(BAE-517-01)	
Yes	No	No	No	R	AE	TP-204	<a href="#">16.1.093</a>		M	BAE TP-204	3.5.1.043	Concrete (inaccessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	Plant-specific aging management program	Yes	BWR	T-03	(BAE-1171-03)	
No	No	No	No	R	AE	TP-212	<a href="#">16.1.065</a>			BAE TP-212	3.5.1.065	Concrete (accessible areas) below-grade exterior, foundation	Concrete	Groundwater/silt	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X1.56, "Structures Monitoring"	No	BWR	T-05	(BAE-317-05)	
No	No	No	No	R	AE	TP-23	<a href="#">16.1.064</a>			BAE TP-23	3.5.1.064	Concrete (accessible areas) exterior above- and below-grade, foundation	Concrete	Any	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X1.56, "Structures Monitoring"	No	BWR	T-01	(BAE-517-01)	
No	No	No	No	R	AE	TP-24	<a href="#">16.1.063</a>			BAE TP-24	3.5.1.063	Concrete (accessible areas) exterior above- and below-grade, foundation	Concrete	Water – flowing	Increase in porosity and permeability loss of strength due to leaching of calcium hydroxide and carbonation	AMP X1.56, "Structures Monitoring"	No	BWR	T-02	(BAE-617-02)	
Yes	No	No	No	R	AE	TP-248	<a href="#">16.1.080</a>		M	BAE TP-248	3.5.1.080	Structural bolting	Steel	Any	Loss of material due to general, pitting, crevice corrosion	AMP X1.56, "Structures Monitoring"	No	BWR	New Record in GALL 2		
Yes	No	No	Yes	R	AE	TP-25	<a href="#">16.1.054</a>		E	BAE TP-25	3.5.1.054	Concrete (accessible areas) all	Concrete	Any	Cracking due to expansion from reaction with aggregate	AMP X1.56, "Structures Monitoring"	No	BWR	T-03	(BAE-1171-03)	
Yes	No	No	Yes	R	AE	TP-261	<a href="#">16.1.088</a>		E	BAE TP-261	3.5.1.088	Structural bolting	Any	Any	Loss of prestress due to self-loosening	AMP X1.56, "Structures Monitoring"	No	BWR	T-04	(BAE-617-04)	
Yes	No	No	Yes	R	AE	TP-27	<a href="#">16.1.094</a>		E	BAE TP-27	3.5.1.065	Concrete (accessible areas) below-grade exterior, foundation	Concrete	Any	Cracking, loss of bond, and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X1.56, "Structures Monitoring"	No	BWR	New Record in GALL 2		
No	No	No	No	R	AE	TP-274	<a href="#">16.1.092</a>			BAE TP-274	3.5.1.092	Structural bolting	Steel, galvanized steel	Any	Loss of material due to general, pitting, crevice corrosion	AMP X1.56, "Structures Monitoring"	No	BWR	New Record in GALL 2		
No	No	No	No	R	AE	TP-28	<a href="#">16.1.067</a>			BAE TP-28	3.5.1.067	Concrete (inaccessible areas) above-grade exterior	Concrete	Any	Cracking, loss of bond, and loss of material (spalling, scaling) due to aggressive chemical attack	AMP X1.56, "Structures Monitoring"	No	BWR	T-06	(BAE-617-06)	
No	No	No	No	R	AE	TP-29	<a href="#">16.1.061</a>			BAE TP-29	3.5.1.067	Concrete (inaccessible areas) below-grade exterior, foundation	Concrete	Groundwater/silt	Increase in porosity and permeability loss of strength due to leaching of calcium hydroxide and carbonation	AMP X1.56, "Structures Monitoring"	No	BWR	T-07	(BAE-417-07)	
Yes	No	No	Yes	R	AE	TP-30	<a href="#">16.1.044</a>			BAE TP-30	3.5.1.044	Concrete all	Concrete	Soil	Cracking and distortion due to increased stress levels from settlement	AMP X1.56, "Structures Monitoring"	Yes	BWR	T-08	(BAE-217-08)	
Yes	No	Yes	No	R	AE	TP-300	<a href="#">16.1.072</a>		D	BAE TP-300											
Yes	No	No	Yes	R	AE	TP-302	<a href="#">16.1.077</a>		E	BAE TP-302	3.5.1.077	Steel components all structural steel	Steel	Any							



Yes	No	No	No	M	B1.1	7.26	<a href="#">16.1.054</a>		M	B.01.1.T-26	3.5.1.053	Support members, welds, bolted connections; support anchorage to building structure	Steel	Air – indoor uncontrolled	Cumulative fatigue damage due to cyclic loading (City/CLB fatigue analysis week)	FLA, SRP-SLR Section 4.3 "Metal Fatigue," and/or Section 4.7 "Other Plant-Specific Time-Limited Aging Analyses"	Yes	BWRPWR		(B.01.1-107-26)
Yes	No	No	No	B	B1.1	7.26	<a href="#">16.1.055</a>		M	B.01.1.T-26	3.5.1.057	Constant and variable load spring hangers, cables, struts	Steel	Air – indoor uncontrolled, air – outdoor	Loss of mechanical function due to corrosion, distortion, dirt or debris accumulation, overstress, wear	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR		(B.01.1-107-26)
No	No	No	No	B	B1.1	7.33	<a href="#">16.1.056</a>		M	B.01.1.T-33	3.5.1.054	Vibration isolation elements	Non-metallic (e.g., rubber)	Air – indoor uncontrolled, air – outdoor	Reduction or loss of isolation function due to radiation hardening, temperature, humidity, sustained vibratory loading	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR		(B.01.1-107-33)
Yes	Yes	No	No	M	B1.1	7.36a	<a href="#">16.1.059</a>		N	B.01.1.T-36a	3.5.1.059	Support members, welds, bolted connections; support anchorage to building structure	Aluminum, stainless steel	Air, condensation	Loss of material due to pitting and crevice corrosion, cracking due to SCC	AMP X1.M2, "One-Time Inspector"	Yes	BWRPWR		
Yes	Yes	No	No	B	B1.1	7.36b	<a href="#">16.1.059</a>		N	B.01.1.T-36b	3.5.1.059	Support members, welds, bolted connections; support anchorage to building structure	Aluminum, stainless steel	Air, condensation	Loss of material due to pitting and crevice corrosion, cracking due to SCC	AMP X1.S3, "ASME Section X, Subsection IW"	Yes	BWRPWR		
Yes	Yes	No	No	B	B1.1	7.36c	<a href="#">16.1.059</a>		N	B.01.1.T-36c	3.5.1.059	Support members, welds, bolted connections; support anchorage to building structure	Aluminum, stainless steel	Air, condensation	Loss of material due to pitting and crevice corrosion, cracking due to SCC	AMP X1.M2, "External Surfaces Monitoring of Mechanical Components"	Yes	BWRPWR		
Yes	No	No	Yes	B	B1.1	7P-10	<a href="#">16.1.060</a>		E	B.01.1.TP-10	3.5.1.050	Support members, welds, bolted connections; support anchorage to building structure	Steel, stainless steel	Treated water	Loss of material due to general pitting, crevice corrosion	AMP X1.M2, "Water Chemistry" and AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR		(B.01.1-107-10)
Yes	No	No	No	B	B1.1	7P-22a	<a href="#">16.1.061</a>		M	B.01.1.TP-22a	3.5.1.061	Structural bolting	Steel	Air – indoor uncontrolled, air – outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
Yes	No	No	Yes	B	B1.1	7P-22b	<a href="#">16.1.062</a>		E	B.01.1.TP-22b	3.5.1.067	Structural bolting	Any	Any	Loss of preload due to self-loosening	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
No	No	No	No	B	B1.1	7P-23a	<a href="#">16.1.063</a>		M	B.01.1.TP-23a	3.5.1.065	Structural bolting	Stainless steel	Treated water	Loss of material due to pitting, crevice corrosion	AMP X1.M2, "Water Chemistry" and AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
No	No	No	No	B	B1.1	7P-23b	<a href="#">16.1.066</a>		M	B.01.1.TP-23b	3.5.1.066	Structural bolting	Steel, galvanized steel	Air – outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
Yes	No	No	No	B	B1.1	7P-3	<a href="#">16.1.069</a>		M	B.01.1.TP-3	3.5.1.069	Support members, welds, bolted connections; support anchorage to building structure	Galvanized steel	Air with bottled water leakage	Loss of material due to boric acid corrosion	AMP X1.M10, "Boric Acid Corrosion"	No	PWR		(B.01.1-67P-3)
Yes	No	No	No	B	B1.1	7P-4	<a href="#">16.1.069</a>		M	B.01.1.TP-4	3.5.1.068	Support members, welds, bolted connections; support anchorage to building structure	Stainless steel, aluminum alloy	Air with bottled water leakage	None	None	No	PWR		(B.01.1-107P-4)
Yes	No	No	No	B	B1.1	7P-41	<a href="#">16.1.069</a>		M	B.01.1.TP-41	3.5.1.068	High-strength structural bolting	High-strength steel	Air	Cracking due to SCC	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	7.27	(B.01.1-107-27)
No	No	No	No	B	B1.1	7P-42	<a href="#">16.1.069</a>		M	B.01.1.TP-42	3.5.1.065	Building concrete at locations of expansion and grouted anchors, grout pads for support base plates	Concrete, grout	Air – indoor uncontrolled, air – outdoor	Reduction in concrete anchor capacity due to local concrete degradation/ service-induced cracking or other concrete aging mechanisms	AMP X1.S6, "Structures Monitoring"	No	BWRPWR	7.29	(B.01.1-107-29)
Yes	No	No	No	B	B1.1	7P-4b	<a href="#">16.1.075</a>		M	B.01.1.TP-4b	3.5.1.075	Sliding surfaces	Lubricant, graphic tool steel, Fluonoptic, LubriStar	Air – indoor uncontrolled, air – outdoor	Loss of mechanical function due to corrosion, distortion, dirt or debris accumulation, overload, wear	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	7.32	(B.01.1-67-32)
Yes	No	No	No	B	B1.1	7P-8	<a href="#">16.1.085</a>		M	B.01.1.TP-8	3.5.1.095	Support members, welds, bolted connections; support anchorage to building structure	Galvanized steel	Air – indoor uncontrolled	None	None	No	BWRPWR		(B.01.1-67P-8) (B.01.1-107P-11) (B.01.1-67P-8)
No	No	No	No	B	B1.2	7.24	<a href="#">16.1.081</a>		M	B.01.2.T-24	3.5.1.091	Support members, welds, bolted connections; support anchorage to building structure	Steel	Air – indoor uncontrolled, air – outdoor	Loss of material due to general, pitting corrosion	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR		(B.01.2-107-24)
No	No	No	No	B	B1.2	7.25	<a href="#">16.1.089</a>		M	B.01.2.T-25	3.5.1.089	Support members, welds, bolted connections; support anchorage to building structure	Steel	Air with bottled water leakage	Loss of material due to boric acid corrosion	AMP X1.M10, "Boric Acid Corrosion"	No	PWR		(B.01.2-107-25)
Yes	No	No	No	B	B1.2	7.26	<a href="#">16.1.053</a>		M	B.01.2.T-26	3.5.1.053	Support members, welds, bolted connections; support anchorage to building structure	Steel	Air – indoor uncontrolled	Cumulative fatigue damage due to cyclic loading (City/CLB fatigue analysis week)	FLA, SRP-SLR Section 4.3 "Metal Fatigue," and/or Section 4.7 "Other Plant-Specific Time-Limited Aging Analyses"	Yes	BWRPWR		(B.01.2-67-26)
Yes	No	No	No	B	B1.2	7.28	<a href="#">16.1.055</a>		M	B.01.2.T-28	3.5.1.057	Constant and variable load spring hangers, cables, struts	Steel	Air – indoor uncontrolled, air – outdoor	Loss of mechanical function due to corrosion, distortion, dirt or debris accumulation, overstress, wear	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR		(B.01.2-107-28)
No	No	No	No	B	B1.2	7.33	<a href="#">16.1.056</a>		M	B.01.2.T-33	3.5.1.054	Vibration isolation elements	Non-metallic (e.g., rubber)	Air – indoor uncontrolled, air – outdoor	Reduction or loss of isolation function due to radiation hardening, temperature, humidity, sustained vibratory loading	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR		(B.01.2-107-33)
Yes	Yes	No	No	B	B1.2	7.36a	<a href="#">16.1.059</a>		N	B.01.2.T-36a	3.5.1.059	Support members, welds, bolted connections; support anchorage to building structure	Aluminum, stainless steel	Air, condensation	Loss of material due to pitting and crevice corrosion, cracking due to SCC	AMP X1.M2, "One-Time Inspector"	Yes	BWRPWR		
Yes	Yes	No	No	B	B1.2	7.36b	<a href="#">16.1.059</a>		N	B.01.2.T-36b	3.5.1.059	Support members, welds, bolted connections; support anchorage to building structure	Aluminum, stainless steel	Air, condensation	Loss of material due to pitting and crevice corrosion, cracking due to SCC	AMP X1.S3, "ASME Section X, Subsection IW"	Yes	BWRPWR		
Yes	Yes	No	No	B	B1.2	7.36c	<a href="#">16.1.059</a>		N	B.01.2.T-36c	3.5.1.059	Support members, welds, bolted connections; support anchorage to building structure	Aluminum, stainless steel	Air, condensation	Loss of material due to pitting and crevice corrosion, cracking due to SCC	AMP X1.M2, "External Surfaces Monitoring of Mechanical Components"	Yes	BWRPWR		
Yes	No	No	No	B	B1.2	7P-22a	<a href="#">16.1.061</a>		M	B.01.2.TP-22a	3.5.1.061	Structural bolting	Steel	Air – indoor uncontrolled, air – outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
Yes	No	No	Yes	B	B1.2	7P-22b	<a href="#">16.1.062</a>		E	B.01.2.TP-22b	3.5.1.067	Structural bolting	Any	Any	Loss of preload due to self-loosening	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
No	No	No	No	B	B1.2	7P-23a	<a href="#">16.1.063</a>		M	B.01.2.TP-23a	3.5.1.065	Structural bolting	Stainless steel	Treated water	Loss of material due to pitting, crevice corrosion	AMP X1.M2, "Water Chemistry" and AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
No	No	No	No	B	B1.2	7P-23b	<a href="#">16.1.066</a>		M	B.01.2.TP-23b	3.5.1.066	Structural bolting	Steel, galvanized steel	Air – outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
Yes	No	No	No	B	B1.2	7P-3	<a href="#">16.1.069</a>		M	B.01.2.TP-3	3.5.1.069	Support members, welds, bolted connections; support anchorage to building structure	Galvanized steel	Air with bottled water leakage	Loss of material due to boric acid corrosion	AMP X1.M10, "Boric Acid Corrosion"	No	PWR		(B.01.2-67P-3)
Yes	No	No	No	B	B1.2	7P-4	<a href="#">16.1.069</a>		M	B.01.2.TP-4	3.5.1.068	Support members, welds, bolted connections; support anchorage to building structure	Stainless steel, aluminum alloy	Air with bottled water leakage	None	None	No	PWR		(B.01.2-67P-4)
No	No	No	No	B	B1.2	7P-42	<a href="#">16.1.069</a>		M	B.01.2.TP-42	3.5.1.065	Building concrete at locations of expansion and grouted anchors, grout pads for support base plates	Concrete, grout	Air – indoor uncontrolled, air – outdoor	Reduction in concrete anchor capacity due to local concrete degradation/ service-induced cracking or other concrete aging mechanisms	AMP X1.S6, "Structures Monitoring"	No	BWRPWR	7.29	(B.01.2-107-29)
Yes	No	No	No	B	B1.2	7P-4b	<a href="#">16.1.075</a>		M	B.01.2.TP-4b	3.5.1.075	Sliding surfaces	Lubricant, graphic tool steel, Fluonoptic, LubriStar	Air – indoor uncontrolled, air – outdoor	Loss of mechanical function due to corrosion, distortion, dirt or debris accumulation, overload, wear	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	7.32	(B.01.2-107-32)
Yes	No	No	No	B	B1.2	7P-8	<a href="#">16.1.085</a>		M	B.01.2.TP-8	3.5.1.095	Support members, welds, bolted connections; support anchorage to building structure	Galvanized steel	Air – indoor uncontrolled	None	None	No	BWRPWR		(B.01.2-107P-8) (B.01.2-67P-11) (B.01.2-107P-8)
No	No	No	No	B	B1.3	7.24	<a href="#">16.1.081</a>		M	B.01.3.T-24	3.5.1.091	Support members, welds, bolted connections; support anchorage to building structure	Steel	Air – indoor uncontrolled, air – outdoor	Loss of material due to general, pitting corrosion	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR		(B.01.3-107-24)
Yes	No	No	No	B	B1.3	7.26	<a href="#">16.1.053</a>		M	B.01.3.T-26	3.5.1.053	Support members, welds, bolted connections; support anchorage to building structure	Steel	Air – indoor uncontrolled	Cumulative fatigue damage due to cyclic loading (City/CLB fatigue analysis week)	FLA, SRP-SLR Section 4.3 "Metal Fatigue," and/or Section 4.7 "Other Plant-Specific Time-Limited Aging Analyses"	Yes	BWRPWR		(B.01.3-67-26)
Yes	No	No	No	B	B1.3	7.28	<a href="#">16.1.055</a>		M	B.01.3.T-28	3.5.1.057	Constant and variable load spring hangers, cables, struts	Steel	Air – indoor uncontrolled, air – outdoor	Loss of mechanical function due to corrosion, distortion, dirt or debris accumulation, overstress, wear	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR		(B.01.3-107-28)
No	No	No	No	B	B1.3	7.33	<a href="#">16.1.056</a>		M	B.01.3.T-33	3.5.1.054	Vibration isolation elements	Non-metallic (e.g., rubber)	Air – indoor uncontrolled, air – outdoor	Reduction or loss of isolation function due to radiation hardening, temperature, humidity, sustained vibratory loading	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR		(B.01.3-107-33)
Yes	Yes	No	No	B	B1.3	7.36a	<a href="#">16.1.059</a>		N	B.01.3.T-36a	3.5.1.059	Support members, welds, bolted connections; support anchorage to building structure	Aluminum, stainless steel	Air, condensation	Loss of material due to pitting and crevice corrosion, cracking due to SCC	AMP X1.M2, "One-Time Inspector"	Yes	BWRPWR		
Yes	Yes	No	No	B	B1.3	7.36b	<a href="#">16.1.059</a>		N	B.01.3.T-36b	3.5.1.059	Support members, welds, bolted connections; support anchorage to building structure	Aluminum, stainless steel	Air, condensation	Loss of material due to pitting and crevice corrosion, cracking due to SCC	AMP X1.S3, "ASME Section X, Subsection IW"	Yes	BWRPWR		
Yes	Yes	No	No	B	B1.3	7.36c	<a href="#">16.1.059</a>		N	B.01.3.T-36c	3.5.1.059	Support members, welds, bolted connections; support anchorage to building structure	Aluminum, stainless steel	Air, condensation	Loss of material due to pitting and crevice corrosion, cracking due to SCC	AMP X1.M2, "External Surfaces Monitoring of Mechanical Components"	Yes	BWRPWR		
Yes	No	No	No	B	B1.3	7P-22a	<a href="#">16.1.061</a>		M	B.01.3.TP-22a	3.5.1.061	Structural bolting	Steel	Air – indoor uncontrolled, air – outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
Yes	No	No	Yes	M	B1.3	7P-22b	<a href="#">16.1.062</a>		E	B.01.3.TP-22b	3.5.1.067	Structural bolting	Any	Any	Loss of preload due to self-loosening	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
No	No	No	No	B	B1.3	7P-23a	<a href="#">16.1.063</a>		M	B.01.3.TP-23a	3.5.1.065	Structural bolting	Stainless steel	Treated water	Loss of material due to pitting, crevice corrosion	AMP X1.M2, "Water Chemistry" and AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
No	No	No	No	B	B1.3	7P-23b	<a href="#">16.1.066</a>		M	B.01.3.TP-23b	3.5.1.066	Structural bolting	Steel, galvanized steel	Air – outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	New Record in GALL 2	
Yes	No	No	No	B	B1.3	7P-3	<a href="#">16.1.069</a>		M	B.01.3.TP-3	3.5.1.069	Support members, welds, bolted connections; support anchorage to building structure	Galvanized steel	Air with bottled water leakage	Loss of material due to boric acid corrosion	AMP X1.M10, "Boric Acid Corrosion"	No	PWR		(B.01.3-67P-3)
Yes	No	No	No	B	B1.3	7P-4	<a href="#">16.1.069</a>		M	B.01.3.TP-4	3.5.1.068	Support members, welds, bolted connections; support anchorage to building structure	Stainless steel, aluminum alloy	Air with bottled water leakage	None	None	No	PWR		(B.01.3-67P-4)
No	No	No	No	B	B1.3	7P-42	<a href="#">16.1.069</a>		M	B.01.3.TP-42	3.5.1.065	Building concrete at locations of expansion and grouted anchors, grout pads for support base plates	Concrete, grout	Air – indoor uncontrolled, air – outdoor	Reduction in concrete anchor capacity due to local concrete degradation/ service-induced cracking or other concrete aging mechanisms	AMP X1.S6, "Structures Monitoring"	No	BWRPWR	7.29	(B.01.3-107-29)
Yes	No	No	No	B	B1.3	7P-4b	<a href="#">16.1.075</a>		M	B.01.3.TP-4b	3.5.1.075	Sliding surfaces	Lubricant, graphic tool steel, Fluonoptic, LubriStar	Air – indoor uncontrolled, air – outdoor	Loss of mechanical function due to corrosion, distortion, dirt or debris accumulation, overload, wear	AMP X1.S3, "ASME Section X, Subsection IW"	No	BWRPWR	7.32	(B.01.3-107-32)
Yes	No	No	No	B	B1.3	7P-8	<a href="#">16.1.085</a>		M	B.01.3.TP-8	3.5.1.095	Support members, welds, bolted connections; support anchorage to building structure	Galvanized steel	Air – indoor uncontrolled	None	None	No	BWRPWR		(B.01.3-107P-8) (B.01.3-67P-11) (B.01.3-107P-8)
No	No	No	No	B	B2	7.25	<a href="#">16.1.089</a>		M	B.02.7-25	3.5.1.089	Support members, welds, bolted connections; support anchorage to building structure	Steel	Air with bottled water leakage	Loss of material due to boric acid corrosion	AMP X1.M10, "Boric Acid Corrosion"	No	PWR		(B.02.1-107-25)
Yes	Yes	No	No	B	B2	7.37a	<a href="#">16.1.100</a>		N	B.02.7-37a	3.5.1.100	Support members, welds, bolted connections; support anchorage to building structure	Aluminum, stainless steel	Air, condensation	Loss of material due to pitting and crevice corrosion, cracking due to SCC	AMP X1.M2, "One-Time Inspector"	Yes	BWRPWR		



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	No	No	No	M	B6	TP-300			S	EBS TP-300	3.5-1.089	Support members, welds, bolted connections; support anchorage to building structure	Stainless steel, aluminum alloy	Air with borated water leakage	None	None	No	PWR		(EBS-6) TP-41		
	No	No	No	B	B5	TP-4	1.4.3.068		M	EBS TP-4	3.5-1.089	Building concrete at reactor core shell penetrations; safety end shields, heads and welds	Concrete, grout	Air - indoor uncontrolled, air-outdoor	Reduction in concrete anchor capacity due to local concrete degradation/ service induced cracking or other loss of anchoring mechanisms	AMP X106, "Structures Monitoring"	No	BWR/PWR	7.29	(EBS-1(T)-29)		
No	No	No	No	B	B5	TP-42	1.4.3.085		M	EBS TP-42	3.5-1.055	Building concrete at reactor core shell penetrations; safety end shields, heads and welds	Concrete, grout	Air - indoor uncontrolled, air-outdoor	Reduction in concrete anchor capacity due to local concrete degradation/ service induced cracking or other loss of anchoring mechanisms	AMP X106, "Structures Monitoring"	No	BWR/PWR	7.29	(EBS-1(T)-29)		
No	No	No	No	B	B5	TP-43	1.4.3.092		M	EBS TP-43	3.5-1.092	Support members, welds, bolted connections; support anchorage to building structure	Steel	Air - indoor uncontrolled, air-outdoor	Loss of material due to general pitting corrosion	AMP X106, "Structures Monitoring"	No	BWR/PWR	7.30	(EBS-7(T)-30)		
Yes	No	No	No	B	B5	TP-6	1.4.3.096		M	EBS TP-6	3.5-1.095	Support members, welds, bolted connections; support anchorage to building structure	Galvanized steel	Air - indoor uncontrolled	None	None	No	BWR/PWR		(EBS-2(TP-6), EBS-5(TP-5), EBS-3(TP-1))		
Yes	No	No	No	M	A1	R-04	1.4.3.097		M	NAT R-04	3.1-1.007	Reactor vessel external components; support skirt and stabilizer attachment brackets	Stainless steel, nickel alloy	Reactor coolant	Cumulative fatigue damage cracking due to fatigue, cyclic loading	TLLA SRP-SLR Section 4.3 "Metal Fatigue"	Yes	BWR		(NAT-7(R)-04)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	Yes	No	No	M	A1	R-409	1.4.3.119		N	NAT R-409	3.1-1.113	Reactor vessel external components; support skirt and stabilizer attachment brackets	Steel	Air - indoor uncontrolled, air-outdoor	Loss of material due to general pitting, crevice corrosion	AMP X1M, "ABME Section X Inservice Inspection, Subsections WB, INC, and WFO"; and AMP X1M2, "Water Chemistry" (water chemistry-related or corrosion-related aging effects/mechanisms only)	No	BWR			Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	Yes	Yes	No	M	A1	R-411	1.4.3.120		D	NAT R-411	3.1-1.097	Control rod drive shafts, control rod drive shaft associated cap-to-nozzle weld and cap-to-bulk end weld (BWR-3, BWR-4, BWR-5, and BWR-6 designs)	Stainless steel, nickel alloy	Reactor coolant	Cracking due to SCC, IGSCC	AMP X1M2, "BWR Stress Corrosion Cracking;" and AMP X1M2, "Water Chemistry"	No	BWR			Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	Yes	No	No	M	A1	R-448	1.4.3.133		N	NAT R-448	3.1-1.133	Any	Steel	Treated water	Long term loss of material due to stress corrosion	AMP X1M2, "One-Time Inspection"	No	BWR			Final GIL IV Tech Lead QA on 04-03-2015.	
Yes	Yes	No	No	M	A1	R-450	1.4.3.135		N	NAT R-450	3.1-1.134	Non-metallic thermal expansion; support skirt and stabilizer attachment brackets	Any	Air, condensation	Reduced thermal insulation resistance due to moisture intrusion	AMP X1M6, "External Surfaces Monitoring of Mechanical Components"	No	BWR			Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	R-414a	1.4.3.138		N	NAT R-414a	3.1-1.016	Reactor vessel top head range enclosure assembly leakage detection line	Stainless steel, nickel alloy	Air-indoor uncontrolled, reactor coolant leakage	Cracking due to SCC, IGSCC	AMP X1M2, "One-Time Inspection"	Yes	BWR		(NAT-10R-61)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	R-416	1.4.3.139		N	NAT R-416	3.1-1.016	Reactor vessel top head range enclosure assembly leakage detection line	Stainless steel, nickel alloy	Air-indoor uncontrolled, reactor coolant leakage	Cracking due to SCC, IGSCC	AMP X1M6, "External Surfaces Monitoring of Mechanical Components"	Yes	BWR			Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	R-42	1.4.3.143		M	NAT R-42	3.1-1.013	Reactor Vessel shell and nozzle components (including associated welds in the battline region of the vessel)	Steel (with or without stainless steel cladding)	Reactor coolant, neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	TLLA SRP-SLR Section 4.2 "Reactor Vessel Neutron Embrittlement"	Yes	BWR		(NAT-13R-62)	Chap N EP changes 8/6/2014 Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	R-44	1.4.3.144		M	NAT R-44	3.1-1.094	Vessel shell attachment welds	Stainless steel, nickel alloy	Reactor coolant	Cracking due to SCC, IGSCC, cyclic loading	AMP X1M4, "BWR Vessel O-Ring/Welds;" and AMP X1M2, "Water Chemistry" (SCC, IGSCC mechanisms only)	No	BWR		(NAT-12R-64)	X1M EP Change Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	R-45	1.4.3.145		M	NAT R-45	3.1-1.095	Nozzles, feedwater	Steel (with or without stainless steel or metal alloy cladding)	Reactor coolant	Cracking due to cyclic loading	AMP X1M1, "ABME Section X Inservice Inspection, Subsections WB, INC, and WFO"	No	BWR		(NAT-3(R)-65)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	R-46	1.4.3.146		M	NAT R-46	3.1-1.096	Reactor nozzle components control rod drive return line nozzles and nozzle to vessel welds (BWR-3, BWR-4, BWR-5, and BWR-6 designs)	Steel (with or without stainless steel cladding)	Reactor coolant	Cracking due to cyclic loading	AMP X1M1, "ABME Section X Inservice Inspection, Subsections WB, INC, and WFO"	No	BWR		(NAT-2(R)-66)	Chap N EP revision Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	Yes	No	M	A1	R-47	1.4.3.147		D	NAT R-47	3.1-1.097	Pressure vessel components control rod drive return line nozzles and nozzle to vessel welds (BWR-3, BWR-4, BWR-5, and BWR-6 designs)	Steel (with or without stainless steel cladding)	Reactor coolant	Cracking due to SCC, IGSCC	AMP X1M2, "BWR Stress Corrosion Cracking;" and AMP X1M2, "Water Chemistry"	No	BWR		(NAT-1(R)-68)	Chap N EP changes 8/6/2014 Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	R-48	1.4.3.148		M	NAT R-48	3.1-1.128	Nozzle safe ends and welds, high-pressure one spray low pressure one spray recirculating water low pressure coolant injection or flow injection mode	Stainless steel, nickel alloy	Reactor coolant	Cracking due to SCC, IGSCC	AMP X1M2, "BWR Stress Corrosion Cracking;" and AMP X1M2, "Water Chemistry"	No	BWR		(NAT-1(R)-68)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	R-70	1.4.3.154		M	NAT R-70	3.1-1.004	Pressure vessel components support skirt and stabilizer attachment brackets	Steel	Air - indoor uncontrolled	Cumulative fatigue damage cracking due to fatigue, cyclic loading	AMP X1M2, "SRP-SLR Section 4.3 "Metal Fatigue"	Yes	BWR		(NAT-6R-70)	Final GIL IV Tech Lead QA on 01-30-2015.	
No	No	No	Yes	M	A1	RP-157	1.4.3.086		M	NAT RP-157	3.1-1.085	Reactor Vessel shell; nozzles, penetrations; safe ends; thermal expansion; vessel shell, heads and welds	Steel (with stainless steel or nickel alloy cladding); stainless steel, nickel alloy	Reactor coolant	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Water Chemistry;" and AMP X1M2, "One-Time Inspection"	No	BWR	RP-25	(NAT-8RP-25)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	RP-165	1.4.3.091		M	NAT RP-165	3.1-1.091	Reactor Vessel Closure Flange Assembly Components: closure flanges, studs, nuts, and washers	Steel	Air - indoor uncontrolled	Loss of material due to general pitting, crevice corrosion	AMP X1M1, "Reactor Head Closure Stud Bolting"	No	BWR	New Record in GIL 2		Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	RP-201	1.4.3.091		M	NAT RP-201	3.1-1.091	Reactor Vessel Closure Flange Assembly Components: closure flanges, studs, nuts, and washers	Steel	Air - indoor uncontrolled	Cumulative fatigue damage cracking due to fatigue, cyclic loading	TLLA SRP-SLR Section 4.3 "Metal Fatigue"	Yes	BWR	New Record in GIL 2		Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	RP-227	1.4.3.044		M	NAT RP-227	3.1-1.014	Reactor Vessel shell and nozzle components (including associated welds in the battline region of the vessel)	Steel (with or without cladding)	Reactor coolant, neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X1M1, "Reactor Vessel Material Surveillance;" and X1M2, "Reactor Fluence Monitoring"	Yes	BWR	R-63	(NAT-14(R)-63)	Chap N EP changes 8/6/2014 Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	RP-369	1.4.3.099		M	NAT RP-369	3.1-1.099	Penetrations; control rod drive shaft tubes, in core monitor housings; jet pump instrument; standby liquid control; flux monitor	Stainless steel, nickel alloy	Reactor coolant	Cracking due to SCC, IGSCC, cyclic loading	AMP X1M1, "BWR Penetrations;" and AMP X1M2, "Water Chemistry" (SCC, IGSCC mechanisms only)	No	BWR	R-69	(NAT-5(R)-69)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	RP-371	1.4.3.038		M	NAT RP-371	3.1-1.030	Penetrations; drain line	Stainless steel, nickel alloy	Reactor coolant	Cracking due to SCC, IGSCC, cyclic loading	AMP X1M1, "ABME Section X Inservice Inspection, Subsections WB, INC, and WFO"; and AMP X1M2, "Water Chemistry" (SCC, IGSCC mechanisms only)	No	BWR	R-69	(NAT-5(R)-69)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	Yes	M	A1	RP-50	1.4.3.083		D	NAT RP-50	3.1-1.084	Top head enclosure assembly support skirt and head; top head nozzles (not top head spares) (BCC, spares)	Steel	Reactor coolant	Loss of material due to general pitting, crevice corrosion	AMP X1M2, "Water Chemistry;" and AMP X1M2, "One-Time Inspection"	No	BWR	R-59	(NAT-13(R)-59)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A1	RP-51	1.4.3.061		M	NAT RP-51	3.1-1.091	Reactor Vessel Closure Flange Assembly Components: closure flanges, studs, nuts, and washers	High-strength steel	Air - indoor uncontrolled	Cracking due to SCC, IGSCC	AMP X1M1, "Reactor Head Closure Stud Bolting"	No	BWR	R-60	(NAT-5(R)-60)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A2	R-17	1.4.3.068		M	NAT R-17	3.1-1.049	Reactor Vessel: external surfaces of the vessel (including steel components in the vessel closure flange assembly and applicable exterior attachments)	Steel	Air with borated water leakage	Loss of material due to boric acid corrosion	AMP X1M10, "Boric Acid Corrosion"	No	PWR		(NAT-13R-17)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A2	R-219	1.4.3.130		M	NAT R-219	3.1-1.010	Reactor vessel components: nozzles, penetrations, pressure housings, safe ends; thermal expansion; vessel shell, heads, welds	Steel (with stainless steel or nickel alloy cladding); stainless steel, nickel alloy	Reactor coolant	Cumulative fatigue damage cracking due to fatigue, cyclic loading	TLLA SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR		(NAT-21(R)-219)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	Yes	No	No	M	A2	R-413	1.4.3.116		N	NAT R-413	3.1-1.116	Control rod drive enclosures; control rod head	Nickel alloy	Reactor coolant	Loss of material due to wear	Plant-specific aging management program	Yes	PWR			Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	Yes	No	No	M	A2	R-414	1.4.3.117		N	NAT R-414	3.1-1.117	Control rod drive enclosures; control rod head	Stainless steel, nickel alloy	Reactor coolant	Loss of material due to wear	Plant-specific aging management program	Yes	PWR			Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	Yes	No	No	M	A2	R-450	1.4.3.134		N	NAT R-450	3.1-1.134	Control rod drive enclosures; control rod head	Any	Air, condensation	Reduced thermal insulation resistance due to moisture intrusion	AMP X1M6, "External Surfaces Monitoring of Mechanical Components"	No	PWR			Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A2	R-70	1.4.3.084		M	NAT R-70	3.1-1.004	Pressure vessel components support skirt and stabilizer attachment brackets	Steel	Air - indoor uncontrolled	Cumulative fatigue damage cracking due to fatigue, cyclic loading	TLLA SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR		(NAT-20R-70)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A2	R-74a	1.4.3.139		N	NAT R-74a	3.1-1.139	Reactor vessel top head range enclosure assembly leakage detection line	Stainless steel, nickel alloy	Air-indoor uncontrolled, reactor coolant leakage	Cracking due to SCC	AMP X1M2, "One-Time Inspection"	Yes	PWR		(NAT-5R-74)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A2	R-74b	1.4.3.139		N	NAT R-74b	3.1-1.139	Reactor vessel top head range enclosure assembly leakage detection line	Stainless steel, nickel alloy	Air-indoor uncontrolled, reactor coolant leakage	Cracking due to SCC	AMP X1M6, "External Surfaces Monitoring of Mechanical Components"	Yes	PWR			Final GIL IV Tech Lead QA on 01-30-2015.	
No	No	No	No	M	A2	R-77	1.4.3.089		M	NAT R-77	3.1-1.050	Control rod drive head penetration; pressure housing	Cast austenitic stainless steel	Reactor coolant	Loss of fracture toughness due to thermal aging embrittlement	AMP X1M1, "Thermal Aging Embrittlement of Cast Austenitic Stainless Steel (CAST)"	No	PWR		(NAT-10R-77)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A2	R-78	1.4.3.082		M	NAT R-78	3.1-1.062	Control rod drive head penetration; range bolting	Stainless steel	Air-indoor uncontrolled	Cracking due to SCC	AMP X1M18, "Bolting Integrity"	No	PWR		(NAT-6(R)-78)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A2	R-79	1.4.3.085		M	NAT R-79	3.1-1.065	Control rod drive head penetration; range bolting	Stainless steel	Air - indoor uncontrolled	Loss of material due to wear	AMP X1M18, "Bolting Integrity"	No	PWR		(NAT-7(R)-79)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A2	R-80	1.4.3.066		M	NAT R-80	3.1-1.066	Control rod drive head penetration; range bolting	Stainless steel	Air - indoor uncontrolled	Loss of prestress due to thermal effects, creep, self-healing	AMP X1M18, "Bolting Integrity"	No	PWR		(NAT-8(R)-80)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	Yes	No	M	A2	R-81	1.4.3.039		D	NAT R-81	3.1-1.013	Reactor Vessel shell and nozzle components (including associated welds in the battline region of the vessel)	Steel (with stainless steel or nickel alloy cladding)	Reactor coolant, neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	TLLA SRP-SLR Section 4.2 "Reactor Vessel Neutron Embrittlement"	Yes	PWR		(NAT-23R-81)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	M	A2	R-85	1.4.3.088		M	NAT R-85	3.1-1.018	Reactor vessel shell base metal (not welds made from forging materials, including applicable cladding interfaces)	Steel S458 0.2 B ferritic clad (not ferritic steel) using a high-heat-heat melting process	Reactor coolant	Crack growth due to cyclic loading	TLLA SRP-SLR Section 4.7, "Other Plant-Specific TLLAs"	Yes	PWR		(NAT-22R-85)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	Yes	M	A2	R-87	1.4.3.067		E	NAT R-87	3.1-1.037	Vessel shell: vessel support skirt	Steel	Reactor coolant	Loss of material due to wear	AMP X1M1, "ABME Section X Inservice Inspection, Subsections WB, INC, and WFO"	No	PWR		(NAT-25R-87)	Final GIL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	No	Yes	M	A2	R-90	1.4.3.045		E	NAT R-90	3.1-1.045	Penetrations; head (not head) instrument tubes (top head)	Nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X1M1, "ABME Section X Inservice Inspection, Subsections WB, INC, and WFO"; and AMP X1M2, "Water Chemistry;" and AMP X1M18, "Cracking of Nickel-Alloy Components and Loss of Material Due to Boric Acid-Induced Corrosion in RCPB Components (PWRs Only)"	No	PWR		(NAT-18R-90)	Final GIL IV Tech Lead QA on 01-30-2015.
Yes	No	No	No	Yes	M	A2	RP-154	1.4.3.110		E	NAT RP-154	3.1-1.019	Bottom mounted instrument guide tube (general to bottom head)	Stainless steel	Reactor coolant	Cracking due to SCC	Plant-specific aging management program	Yes	PWR	RP-13	(NAT-1(RP)-13)	Final GIL IV Tech Lead QA on 01-30-2015.
Yes	No	No	No	Yes	M	A2	RP-186	1.4.3.066		M	NAT RP-186	3.1-1.045	Control rod drive head penetration; nozzles including associated welds	Nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X1M1, "ABME Section X Inservice Inspection, Subsections WB, INC, and WFO"; and AMP X1M2, "Water Chemistry;" and AMP X1M18, "Cracking of Nickel-Alloy Components and Loss of Material Due to Boric Acid-Induced Corrosion in RCPB Components (PWRs Only)"	No	PWR	R-75	(NAT-6(R)-75)	Final GIL IV Tech Lead QA on 01-30-2015.



Yes	No	Yes	No	M	A2	RP-228	<a href="#">3.1.1.024</a>		O	M/A2-RP-228	3.1.1.014	Reactor Vessel shell and neck components (including associated welds) in the bottom region of the vessel	Steel (with or without cladding)	Reactor coolant, neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/MIM, "Reactor Vessel Material Surveillance" and X/M2, "Neutron Fluence Monitoring"	Yes	PWR	R-86	(M/A2-249-86)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	A2	RP-229	<a href="#">3.1.1.024</a>			M/A2-RP-229	3.1.1.014	Reactor Vessel shell and neck components (including associated welds) in the bottom region of the vessel	Steel (with or without cladding)	Reactor coolant, neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/MIM, "Reactor Vessel Material Surveillance" and X/M2, "Neutron Fluence Monitoring"	Yes	PWR	R-86	(M/A2-249-86)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	A2	RP-234	<a href="#">3.1.1.036</a>		M	M/A2-RP-234	3.1.1.048	Control rod drive shaft and bearings, reactor vessel nozzles, safety valve ends, and welds	Stainless steel, nickel alloy welds and/or bolting	Reactor coolant	Cracking due to SCC, primary water SCC	AMP X/MIM, "AME Section X Inspection Inspection, Substitutions WB, WWC, and WWC" and AMP X/M2, "Water Chemistry" and AMP X/M1B, "Cracking of Nickel Alloy Components and Loss of Material Due to Bore Acid-Induced Corrosion in RCPB Components (PWRs Only)"	No	PWR	R-83	(M/A2-159-83)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	Yes	M	A2	RP-28	<a href="#">3.1.1.036</a>		E	M/A2-RP-28	3.1.1.088	Reactor vessel components, closure flanges, nozzles, penetrations, pressure housings, safe ends, vessel shells, heads, welds	Steel (with stainless steel or nickel alloy cladding), stainless steel, vessel shells, heads, welds	Reactor coolant	Loss of material due to pitting, crevice corrosion	AMP X/M2, "Water Chemistry"	No	PWR		(M/A2-149R-28)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
No	No	No	No	M	A2	RP-379	<a href="#">3.1.1.036</a>			M/A2-RP-379	3.1.1.048	External surfaces, reactor vessel top head and bottom head	Steel	Air with borated water leakage	Loss of material due to boric acid corrosion	AMP X/MIM, "Boric Acid Corrosion," and AMP X/M1B, "Cracking of Nickel Alloy Components and Loss of Material Due to Bore Acid-Induced Corrosion in RCPB Components (PWRs Only)"	No	PWR	R-17	(M/A2-139R-17)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	A2	RP-62	<a href="#">3.1.1.036</a>		M	M/A2-RP-62	3.1.1.092	Reactor Vessel Closure Flange Assembly Components, closure flanges, studs, nuts, washers	High-strength steel	Air - indoor uncontrolled	Cracking due to SCC, GISSC	AMP X/MIM, "Reactor Head Closure Stud Bolting"	No	PWR	R-71	(M/A2-20R-71)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	A2	RP-63	<a href="#">3.1.1.036</a>		M	M/A2-RP-63	3.1.1.092	Reactor Vessel Closure Flange Assembly Components, closure flanges, studs, nuts, washers	Steel	Air - indoor uncontrolled	Loss of material due to general, pitting, crevice corrosion, wear	AMP X/M2, "Reactor Head Closure Stud Bolting"	No	PWR	R-72	(M/A2-30R-72)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	A2	RP-64	<a href="#">3.1.1.036</a>		M	M/A2-RP-64	3.1.1.091	Reactor Vessel Closure Flange Assembly Components, closure flanges, studs	Steel	Air - indoor uncontrolled	Corrosive fatigue damage, cracking due to fatigue, cyclic loading	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR	R-73	(M/A2-40R-73)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	Yes	M	A2	RP-65	<a href="#">3.1.1.041</a>		E	M/A2-RP-65	3.1.1.047	Control rod drive head penetration, pressure housing	Stainless steel, nickel alloy	Reactor coolant	Cracking due to SCC, primary water SCC	AMP X/MIM, "AME Section X Inspection Inspection, Substitutions WB, WWC, and WWC" and AMP X/M2, "Water Chemistry"	No	PWR	R-76	(M/A2-119R-76)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	Yes	M	A2	RP-67	<a href="#">3.1.1.046</a>		E	M/A2-RP-67	3.1.1.049A	Core support pads, core guide lugs	Nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/MIM, "AME Section X Inspection Inspection, Substitutions WB, WWC, and WWC" and AMP X/M2, "Water Chemistry"	No	PWR	R-88	(M/A2-129R-88)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	Yes	M	A2	RP-68	<a href="#">3.1.1.046</a>		E	M/A2-RP-68	3.1.1.048	Penetrations, instrument tubes (rodion head)	Nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/MIM, "AME Section X Inspection Inspection, Substitutions WB, WWC, and WWC" and AMP X/M2, "Water Chemistry" and AMP X/M1B, "Cracking of Nickel Alloy Components and Loss of Material Due to Bore Acid-Induced Corrosion in RCPB Components (PWRs Only)"	No	PWR	R-89	(M/A2-169R-89)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-100	<a href="#">3.1.1.100</a>		M	M/B1-R-100	3.1.1.103	Jet pump assemblies, thermal storage, inlet reactor, close flow area and hold-down beams, inlet elbow, mixing assembly, diffuser casing	Stainless steel, nickel alloy	Reactor coolant, neutron flux	Cracking due to SCC, GISSC, irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR		(B1-130R-100)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	Yes	M	B1	R-104	<a href="#">3.1.1.104</a>		E	M/B1-R-104	3.1.1.102	Fuel supports and control rod drive assemblies, control rod drive housing	Stainless steel	Reactor coolant, neutron flux	Cracking due to SCC, GISSC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	No	BWR		(B1-60R-104)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-106	<a href="#">3.1.1.104</a>		M	M/B1-R-106	3.1.1.103	Intermediate range monitor (IRM) dry-hose, intermediate range monitor (IRM) dry-hose, intermediate range monitor (IRM) dry-hose	Stainless steel	Reactor coolant, neutron flux	Cracking due to SCC, GISSC, irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR		(B1-100R-106)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	Yes	No	No	M	B1	R-416	<a href="#">3.1.1.099</a>		N	M/B1-R-416	3.1.1.099	Control rod guide tube	Cast austenitic stainless steel	Reactor coolant, neutron flux	Loss of fracture toughness due to thermal aging, neutron irradiation embrittlement	AMP X/M2, "BWR Vessel Internals"	Yes	BWR			Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	Yes	No	No	M	B1	R-417	<a href="#">3.1.1.099</a>		N	M/B1-R-417	3.1.1.099	Control rod guide tube	Cast austenitic stainless steel	Reactor coolant, neutron flux	Loss of fracture toughness due to thermal aging, neutron irradiation embrittlement	AMP X/M2, "BWR Vessel Internals"	Yes	BWR			Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	Yes	No	No	M	B1	R-419	<a href="#">3.1.1.099</a>		N	M/B1-R-419	3.1.1.099	LFPC Coupling	Cast austenitic stainless steel	Reactor coolant, neutron flux	Loss of fracture toughness due to thermal aging, neutron irradiation embrittlement	AMP X/M2, "BWR Vessel Internals"	Yes	BWR			Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	Yes	No	No	M	B1	R-420	<a href="#">3.1.1.100</a>		N	M/B1-R-420	3.1.1.120	Core plate rim hold-down bolts	Stainless steel	Reactor coolant, neutron flux	Loss of material due to thermal or irradiation-enhanced stress relaxation	AMP X/M2, "BWR Vessel Internals," and TLAA, SRP-SLR 4.7 "Other Plant-Specific TLAA" (If an analysis is performed as part of the aging management basis and conforms to the definition of a TLAA in 10 CFR 54.3a)	Yes	BWR			Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	Yes	No	No	M	B1	R-421	<a href="#">3.1.1.121</a>		N	M/B1-R-421	3.1.1.121	Jet pump assembly hold-down beam bolts	Stainless steel	Reactor coolant, neutron flux	Loss of material due to thermal or irradiation-enhanced stress relaxation	AMP X/M2, "BWR Vessel Internals"	No	BWR			Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	Yes	No	No	M	B1	R-422	<a href="#">3.1.1.103</a>		N	M/B1-R-422	3.1.1.103	Reactor vessel internal components	Stainless steel, cast alloy	Reactor coolant, neutron flux	Cracking due to irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR			Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-63	<a href="#">3.1.1.093</a>		M	M/B1-R-63	3.1.1.093	Reactor vessel internal components	Stainless steel, cast alloy	Reactor coolant, neutron flux	Corrosive fatigue damage, cracking due to fatigue, cyclic loading	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	BWR		(B1-140R-63)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-62	<a href="#">3.1.1.093</a>		M	M/B1-R-62	3.1.1.103	Reactor vessel internal components (including repairs and core plate core shroud top, central, lower)	Stainless steel	Reactor coolant, neutron flux	Cracking due to SCC, GISSC, irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR		(B1-10R-62)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-93	<a href="#">3.1.1.103</a>		M	M/B1-R-93	3.1.1.103	Core shroud and core plate core shroud (used in aging basis)	Stainless steel	Reactor coolant, neutron flux	Cracking due to SCC, GISSC, irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR		(B1-60R-93)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-94	<a href="#">3.1.1.099</a>		M	M/B1-R-94	3.1.1.029	Core plate access hole cover (welded designs)	Nickel alloy	Reactor coolant, neutron flux	Cracking due to SCC, GISSC, irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR		(B1-50R-94)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-95	<a href="#">3.1.1.041</a>		M	M/B1-R-95	3.1.1.041	Core plate access hole cover (mechanical designs)	Nickel alloy	Reactor coolant, neutron flux	Cracking due to SCC, GISSC, irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR		(B1-40R-95)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-96	<a href="#">3.1.1.103</a>		M	M/B1-R-96	3.1.1.103	Core shroud (including repairs and core plate shroud support structure (shroud support girder, shroud support plate, shroud support legs))	Nickel alloy	Reactor coolant, neutron flux	Cracking due to SCC, GISSC, irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR		(B1-20R-96)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-97	<a href="#">3.1.1.103</a>		M	M/B1-R-97	3.1.1.103	Core shroud and core plate LFPC couplings	Stainless steel	Reactor coolant, neutron flux	Cracking due to SCC, GISSC, irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR		(B1-50R-97)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-98	<a href="#">3.1.1.103</a>		M	M/B1-R-98	3.1.1.103	Core shroud and core plate LFPC couplings	Stainless steel	Reactor coolant, neutron flux	Cracking due to SCC, GISSC, irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR		(B1-170R-98)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	R-99	<a href="#">3.1.1.103</a>		M	M/B1-R-99	3.1.1.103	Core spray lines and spargers; core spray line (reactor's spray rings; spray nozzles; thermal storage)	Stainless steel	Reactor coolant, neutron flux	Cracking due to SCC, GISSC, irradiation-assisted SCC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	BWR		(B1-70R-99)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	RP-188	<a href="#">3.1.1.101</a>		M	M/B1-RP-188	3.1.1.101	Steam syringes	Stainless steel	Reactor coolant	Cracking due to low-induced vibration, SCC, GISSC, loss of material due to wear	AMP X/M2, "BWR Vessel Internals"	No	BWR	RP-18	(B1-160R-18)	EP 630/2014 from KOD B 19-188 and X/M EP 630/2014	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	RP-182	<a href="#">3.1.1.099</a>		M	M/B1-RP-182	3.1.1.099	Reactor vessel internal components	PH materials (15-4PH and 15-5PH), austenitic stainless steel (304, 316, 321, etc.)	Reactor coolant, neutron flux	Loss of fracture toughness due to thermal aging, neutron irradiation embrittlement	AMP X/M2, "BWR Vessel Internals"	Yes	BWR	New Record in GALL 2		Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	RP-200	<a href="#">3.1.1.099</a>		M	M/B1-RP-200	3.1.1.099	Reactor vessel internal components	Nickel alloy	Reactor coolant, neutron flux	Loss of fracture toughness due to thermal aging, neutron irradiation embrittlement	AMP X/M2, "BWR Vessel Internals"	Yes	BWR	New Record in GALL 2		Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	RP-219	<a href="#">3.1.1.099</a>		M	M/B1-RP-219	3.1.1.099	Reactor vessel internal components	Cast austenitic stainless steel	Reactor coolant, neutron flux	Loss of fracture toughness due to thermal aging, neutron irradiation embrittlement	AMP X/M2, "BWR Vessel Internals"	Yes	BWR	R-101	(B1-110R-101)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	RP-220	<a href="#">3.1.1.099</a>		M	M/B1-RP-220	3.1.1.099	Fuel supports and control rod drive assemblies, offload fuel support	Cast austenitic stainless steel	Reactor coolant, neutron flux	Loss of fracture toughness due to thermal aging, neutron irradiation embrittlement	AMP X/M2, "BWR Vessel Internals"	Yes	BWR	R-103	(B1-60R-103)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	Yes	M	B1	RP-26	<a href="#">3.1.1.041</a>		E	M/B1-RP-26	3.1.1.043	Reactor vessel internal components	Stainless steel, nickel alloy	Reactor coolant	Loss of material due to pitting, crevice corrosion	AMP X/MIM, "AME Section X Inspection Inspection, Substitutions WB, WWC, and WWC" and AMP X/M2, "Water Chemistry"	No	BWR		(B1-150R-26)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
No	No	No	No	M	B1	RP-377	<a href="#">3.1.1.100</a>			M/B1-RP-377	3.1.1.100	Reactor vessel internal components, jet pump wedge surface	Stainless steel	Reactor coolant	Loss of material due to wear	AMP X/M2, "BWR Vessel Internals"	No	BWR	New Record in GALL 2		Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B1	RP-381	<a href="#">3.1.1.104</a>			M/B1-RP-381	3.1.1.104	Reactor vessel internal components	Nickel alloy	Reactor coolant, neutron flux	Cracking due to GISSC	AMP X/M2, "BWR Vessel Internals," and AMP X/M2, "Water Chemistry"	No	BWR	New Record in GALL 2		Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	Yes	No	No	M	B2	R-423	<a href="#">3.1.1.118</a>		N	M/B2-R-423	3.1.1.118	Reactor vessel internal components	Stainless steel, cast alloy	Reactor coolant, neutron flux	Cracking due to SCC, irradiation-assisted SCC, cyclic loading, fatigue	AMP X/M2, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	PWR			Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	Yes	No	No	M	B2	R-424	<a href="#">3.1.1.119</a>		N	M/B2-R-424	3.1.1.119	Reactor vessel internal components	Stainless steel, cast alloy	Reactor coolant, neutron flux	Loss of fracture toughness due to thermal aging, neutron irradiation embrittlement, changes in dimensions due to void swelling or distortion, loss of material due to thermal and irradiation-enhanced stress relaxation or creep, loss of material due to wear	Plant-specific aging management program	Yes	PWR			Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
No	No	No	Yes	M	B2	RP-24	<a href="#">3.1.1.087</a>			M/B2-RP-24	3.1.1.087	Reactor vessel internal components	Stainless steel, cast alloy	Reactor coolant, neutron flux	Loss of material due to pitting, crevice corrosion	AMP X/M2, "Water Chemistry"	No	PWR		(B2-320R-24)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B2	RP-265	<a href="#">3.1.1.054</a>		M	M/B2-RP-265	3.1.1.054	Reactor vessel internal components (No Additional Measures) components	Stainless steel, nickel alloy	Reactor coolant and neutron flux	No additional aging management for reactor internal "No Additional Measures" components unless required by AME Section X Examination Category B-R-3 or relevant operating experience events	AMP X/M2A, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B2	RP-270	<a href="#">3.1.1.054</a>		M	M/B2-RP-270	3.1.1.054	Reactor vessel internal components	Stainless steel	Reactor coolant and neutron flux	Changes in dimensions due to void swelling or distortion	AMP X/M2A, "PWR Vessel Internals"	Yes	PWR	R-124	(B2-100R-124)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B2	RP-276a	<a href="#">3.1.1.054</a>		M	M/B2-RP-276a	3.1.1.054	Reactor vessel internal components	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC or fatigue	AMP X/M2A, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR			Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B2	RP-271	<a href="#">3.1.1.054</a>		M	M/B2-RP-271	3.1.1.054	Reactor vessel internal components	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC or fatigue	AMP X/M2A, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	R-125	(B2-100R-125)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B2	RP-272	<a href="#">3.1.1.054</a>		M	M/B2-RP-272	3.1.1.054	Reactor vessel internal components	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to thermal aging, neutron irradiation embrittlement, changes in dimensions due to void swelling or distortion, loss of material due to thermal and irradiation-enhanced stress relaxation or creep	AMP X/M2A, "PWR Vessel Internals"	Yes	PWR	R-126	(B2-60R-126)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B2	RP-273	<a href="#">3.1.1.054</a>		M	M/B2-RP-273	3.1.1.054	Reactor vessel internal components	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC or fatigue	AMP X/M2A, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	R-125	(B2-100R-125)	Final GALL v Tech Lead QA on 03-30-2015	Final GALL v Tech Lead QA on 03-30-2015
Yes	No	No	No	M	B2	RP-274	<a href="#">3.1.1.054</a>		M	M/B2-RP-274	3.1.1.054	Reactor vessel internal components	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to void swelling or distortion, loss of material due to thermal and irradiation-enhanced stress relaxation or creep	AMP X/M2A, "PWR Vessel Internals"	Yes	PWR	R-126	(B2-60R-126)	Final GALL v Tech Lead QA on 03-30-	



					M	B2	RP-284	<a href="#">3.1.1.054</a>	LR-SG-2011-04	M	R/2-RP-284	3.1.1.054	Bottom-mounted instrument support; low level bolts	Stainless steel (with or without nickel alloy)	Reactor coolant and neutron flux	Loss of material due to wear	AMP XMI37, "Plus Trimble Tube Inspection"	No	PWR	R-143	(N)2-129R-143)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-285	<a href="#">3.1.1.056</a>	Lower internals assembly lower support bolts or screws	LR-SG-2011-04	M	R/2-RP-285	3.1.1.056	Lower internals assembly lower support bolts or screws	Nickel alloy	Reactor coolant and neutron flux	Loss of material due to thermal and irradiation-enhanced stress relaxation or creep	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	R-137	(N)2-148R-137)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-286	<a href="#">3.1.1.058</a>	Lower support assembly lower support column bolts	LR-SG-2011-04	M	R/2-RP-286	3.1.1.058	Lower support assembly lower support column bolts	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	R-133	(N)2-160R-133)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-287	<a href="#">3.1.1.059</a>	Lower support assembly lower support column bolts	LR-SG-2011-04	M	R/2-RP-287	3.1.1.059	Lower support assembly lower support column bolts	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; loss of residual ductility and irradiation-enhanced stress relaxation or creep	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	R-135	(N)2-173R-135)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-288	<a href="#">3.1.1.060</a>	Lower internals assembly lower support column plate and edge-long (XL) bolt ends (see Table 3.1.1.060)	LR-SG-2011-04	M	R/2-RP-288	3.1.1.060	Lower internals assembly lower support column plate and edge-long (XL) bolt ends (see Table 3.1.1.060)	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; loss of material ductility to wear	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	R-132	(N)2-180R-132)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-289	<a href="#">3.1.1.062</a>	Lower internals assembly lower support column plate and edge-long (XL) bolt ends (see Table 3.1.1.062)	LR-SG-2011-04	M	R/2-RP-289	3.1.1.062	Lower internals assembly lower support column plate and edge-long (XL) bolt ends (see Table 3.1.1.062)	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	R-130	(N)2-200R-130)	Final GALL IV Tech Lead QA on 01-30-2015.
No	No	No	N	V	B2	RP-290	<a href="#">3.1.1.066</a>	Lower support assembly lower support column bodies	LR-SG-2011-04	M	R/2-RP-290	3.1.1.066	Lower support assembly lower support column bodies	Cast austenitic stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to thermal aging and neutron irradiation embrittlement	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	R-140	(N)2-215R-140)	Final GALL IV Tech Lead QA on 01-30-2015.
No	No	No	N	V	B2	RP-290a	<a href="#">3.1.1.066a</a>	Lower support assembly lower support flange or gaskets	LR-SG-2011-04	M	R/2-RP-290a	3.1.1.066a	Lower support assembly lower support flange or gaskets	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to thermal aging and neutron irradiation embrittlement and thermal aging embrittlement by CAIBS, PHB, and metallic impurities	AMP XMISA, "PWR Vessel Internals"	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
No	No	No	N	V	B2	RP-290b	<a href="#">3.1.1.066b</a>	Lower internals assembly upper core guide	LR-SG-2011-04	M	R/2-RP-290b	3.1.1.066b	Lower internals assembly upper core guide	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear	AMP XMISA, "PWR Vessel Internals"	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
No	No	No	N	V	B2	RP-291	<a href="#">3.1.1.055</a>	Lower support assembly lower support column bodies (non-CIA)	LR-SG-2011-04	M	R/2-RP-291	3.1.1.055	Lower support assembly lower support column bodies (non-CIA)	Cast austenitic stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	R-138	(N)2-249R-138)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-291a	<a href="#">3.1.1.055a</a>	Lower support assembly lower support flange or gaskets	LR-SG-2011-04	M	R/2-RP-291a	3.1.1.055a	Lower support assembly lower support flange or gaskets	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-291b	<a href="#">3.1.1.055b</a>	Upper internals assembly upper core guide	LR-SG-2011-04	M	R/2-RP-291b	3.1.1.055b	Upper internals assembly upper core guide	Stainless steel	Reactor coolant and neutron flux	Cracking due to fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-292	<a href="#">3.1.1.059a</a>	Bottom-mounted instrumentation system bottom-mounted instrumentation (BBT) column bodies	LR-SG-2011-04	M	R/2-RP-292	3.1.1.059a	Bottom-mounted instrumentation system bottom-mounted instrumentation (BBT) column bodies	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	R-140	(N)2-215R-140)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-293	<a href="#">3.1.1.059b</a>	Bottom-mounted instrumentation system bottom-mounted instrumentation (BBT) column bodies	LR-SG-2011-04	M	R/2-RP-293	3.1.1.059b	Bottom-mounted instrumentation system bottom-mounted instrumentation (BBT) column bodies	Stainless steel	Reactor coolant and neutron flux	Cracking due to fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	R-138	(N)2-249R-138)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-294	<a href="#">3.1.1.059c</a>	Lower support assembly lower support column bodies (non-CIA)	LR-SG-2011-04	M	R/2-RP-294	3.1.1.059c	Lower support assembly lower support column bodies (non-CIA)	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	R-138	(N)2-249R-138)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-295	<a href="#">3.1.1.060a</a>	Lower support assembly lower support column bodies (non-CIA)	LR-SG-2011-04	M	R/2-RP-295	3.1.1.060a	Lower support assembly lower support column bodies (non-CIA)	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	R-141	(N)2-220R-141)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-296	<a href="#">3.1.1.060b</a>	Control rod guide tube (CRGT) assemblies CRGT guide pins	LR-SG-2011-04	M	R/2-RP-296	3.1.1.060b	Control rod guide tube (CRGT) assemblies CRGT guide pins	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-297	<a href="#">3.1.1.060c</a>	Control rod guide tube (CRGT) assemblies CRGT lower flange welds (accessories)	LR-SG-2011-04	M	R/2-RP-297	3.1.1.060c	Control rod guide tube (CRGT) assemblies CRGT lower flange welds (accessories)	Stainless steel (including CAIBS)	Reactor coolant and neutron flux	Loss of fracture toughness due to thermal aging and neutron irradiation embrittlement and by CAIBS due to thermal aging embrittlement	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	New Record in GALL 2		Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-298	<a href="#">3.1.1.060d</a>	Control rod guide tube (CRGT) assemblies CRGT lower flange welds (accessories)	LR-SG-2011-04	M	R/2-RP-298	3.1.1.060d	Control rod guide tube (CRGT) assemblies CRGT lower flange welds (accessories)	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	R-118	(N)2-280R-118)	Final GALL IV Tech Lead QA on 01-30-2015.
No	No	No	N	V	B2	RP-299	<a href="#">3.1.1.060e</a>	Interfacing components upper core guide alignment pins	LR-SG-2011-04	M	R/2-RP-299	3.1.1.060e	Interfacing components upper core guide alignment pins	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	R-115	(N)2-346R-115)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-300	<a href="#">3.1.1.060f</a>	Alignment and interfacing components internal rods hold down lagging	LR-SG-2011-04	M	R/2-RP-300	3.1.1.060f	Alignment and interfacing components internal rods hold down lagging	Stainless steel	Reactor coolant and neutron flux	Loss of preload due to thermal and irradiation-enhanced stress relaxation; changes in dimensions due to void swelling or distortion; loss of material due to wear	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	R-108	(N)2-330R-108)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-301	<a href="#">3.1.1.060g</a>	Alignment and interfacing components upper core guide alignment pins	LR-SG-2011-04	M	R/2-RP-301	3.1.1.060g	Alignment and interfacing components upper core guide alignment pins	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	R-112	(N)2-400R-112)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-302	<a href="#">3.1.1.060h</a>	Thermal shield assembly thermal shield fasteners	LR-SG-2011-04	M	R/2-RP-302	3.1.1.060h	Thermal shield assembly thermal shield fasteners	Stainless steel	Reactor coolant and neutron flux	Cracking due to fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	New Record in GALL 3		Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-302a	<a href="#">3.1.1.060h</a>	Thermal shield assembly thermal shield fasteners	LR-SG-2011-04	M	R/2-RP-302a	3.1.1.060h	Thermal shield assembly thermal shield fasteners	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear	AMP XMISA, "PWR Vessel Internals"	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-303	<a href="#">3.1.1.060i</a>	Reactor vessel internal components, internal welds; fatigue analysis or other types of cyclic loading	LR-SG-2011-04	M	R/2-RP-303	3.1.1.060i	Reactor vessel internal components, internal welds; fatigue analysis or other types of cyclic loading	Stainless steel, nickel alloy	Reactor coolant, neutron flux	Cumulative fatigue damage; cracking due to fatigue, cyclic loading	TLA, SRP-SLR Section 4.3 "Metal Fatigue"	PWR	R-63	(N)2-319R-63)	Final GALL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	N	V	B2	RP-345	<a href="#">3.1.1.066a</a>	Core barrel assembly, core barrel flange	LR-SG-2011-04	M	R/2-RP-345	3.1.1.066a	Core barrel assembly, core barrel flange	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	New Record in GALL 2		Final GALL IV Tech Lead QA on 01-30-2015.
No	No	No	N	V	B2	RP-346	<a href="#">3.1.1.066b</a>	Upper internals assembly upper support pins	LR-SG-2011-04	M	R/2-RP-346	3.1.1.066b	Upper internals assembly upper support pins	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	New Record in GALL 2		Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-354	<a href="#">3.1.1.066c</a>	Reactor vessel assembly, bath-edge bolts, gasket plates, and bath-edge bolts	LR-SG-2011-04	M	R/2-RP-354	3.1.1.066c	Reactor vessel assembly, bath-edge bolts, gasket plates, and bath-edge bolts	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; changes in dimensions due to void swelling or distortion; loss of preload due to thermal and irradiation-enhanced stress relaxation or creep	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 3		Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-355	<a href="#">3.1.1.066d</a>	Control rod guide tube (CRGT) assemblies guide tube support pins (CRGT)	LR-SG-2011-04	M	R/2-RP-355	3.1.1.066d	Control rod guide tube (CRGT) assemblies guide tube support pins (CRGT)	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	New Record in GALL 2		Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-356	<a href="#">3.1.1.066e</a>	Control rod guide tube (CRGT) assemblies guide tube support pins (CRGT)	LR-SG-2011-04	M	R/2-RP-356	3.1.1.066e	Control rod guide tube (CRGT) assemblies guide tube support pins (CRGT)	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Loss of material due to wear	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-382	<a href="#">3.1.1.060j</a>	Reactor vessel internal components	LR-SG-2011-04	M	R/2-RP-382	3.1.1.060j	Reactor vessel internal components	Stainless steel, nickel alloy, cast austenitic stainless steel	Reactor coolant and neutron flux	Cracking due to fatigue, SCC, or irradiation-assisted SCC; loss of material due to wear	AMP XMI, "ASME Section XI Internal Inspection, Subsections INB, INC, and INO"	PWR	R-142	(N)2-260R-142)	Final GALL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	N	V	B2	RP-387	<a href="#">3.1.1.066a</a>	Core barrel assembly upper core barrel and lower core barrel vertical (girth) welds	LR-SG-2011-04	M	R/2-RP-387	3.1.1.066a	Core barrel assembly upper core barrel and lower core barrel vertical (girth) welds	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	New Record in GALL 2		Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-387a	<a href="#">3.1.1.066b</a>	Core barrel assembly upper core barrel and lower core barrel vertical (girth) welds	LR-SG-2011-04	M	R/2-RP-387a	3.1.1.066b	Core barrel assembly upper core barrel and lower core barrel vertical (girth) welds	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-388	<a href="#">3.1.1.066c</a>	Core barrel assembly upper core barrel and lower core barrel vertical (girth) welds	LR-SG-2011-04	M	R/2-RP-388	3.1.1.066c	Core barrel assembly upper core barrel and lower core barrel vertical (girth) welds	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-389a	<a href="#">3.1.1.066d</a>	Core barrel assembly upper core barrel and lower core barrel vertical (girth) welds	LR-SG-2011-04	M	R/2-RP-389a	3.1.1.066d	Core barrel assembly upper core barrel and lower core barrel vertical (girth) welds	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP XMISA, "PWR Vessel Internals"	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	V	B2	RP-389	<a href="#">3.1.1.066e</a>	Core barrel assembly upper core barrel and lower core barrel vertical (girth) welds	LR-SG-2011-04	M	R/2-RP-389	3.1.1.066e	Core barrel assembly upper core barrel and lower core barrel vertical (girth) welds	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to primary water SCC, irradiation-assisted SCC, or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
Yes	Yes	No	N	M	B1	R-423	<a href="#">3.1.1.062</a>	Reactor vessel internal components	LR-SG-2011-04	N	N/B3-R-423	3.1.1.118	Reactor vessel internal components	Stainless steel, nickel alloy	Reactor coolant, neutron flux	Cracking due to SCC, irradiation-assisted SCC, or fatigue	Plant-specific aging management program	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
Yes	Yes	No	N	M	B1	R-424	<a href="#">3.1.1.107</a>	Reactor vessel internal components	LR-SG-2011-04	N	N/B3-R-424	3.1.1.119	Reactor vessel internal components	Stainless steel, nickel alloy	Reactor coolant, neutron flux	Loss of fracture toughness due to thermal and irradiation-enhanced stress relaxation or creep; loss of residual ductility to wear	Plant-specific aging management program	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
Yes	Yes	No	N	V	B3	R-465	<a href="#">3.1.1.066f</a>	Core support barrel assembly upper support flange (dissimilar metal and welds)	LR-SG-2011-04	N	N/B3-R-465	3.1.1.066f	Core support barrel assembly upper support flange (dissimilar metal and welds)	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
No	No	No	N	V	B3	RP-24	<a href="#">3.1.1.067</a>	Reactor vessel internal components	LR-SG-2011-04	M	R/2-RP-24	3.1.1.087	Reactor vessel internal components	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Loss of material due to galling, crevice corrosion	AMP XLM, "Water Chemistry"	No	PWR			Final GALL IV Tech Lead QA on 01-30-2015.
No	No	No	N	B3	RP-308	<a href="#">3.1.1.066g</a>	Reactor vessel internal components	LR-SG-2011-04	M	R/2-RP-308	3.1.1.066g	Reactor vessel internal components	Stainless steel, nickel alloy	Reactor coolant and neutron flux	No additional aging management for reactor internal "No Additional Measures" components, unless required by ASME Section XI, Examination Category B-N-3 or relevant operating experience data	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	N	B3	RP-312	<a href="#">3.1.1.066a</a>	Control element assembly (CEA) shroud assemblies; instrument guide tubes in peripheral CEA assemblies	LR-SG-2011-04	M	N/B3-RP-312	3.1.1.066a	Control element assembly (CEA) shroud assemblies; instrument guide tubes in peripheral CEA assemblies	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	R-140	(N)2-205R-140)	Final GALL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	N	B3	RP-313	<a href="#">3.1.1.066b</a>	Control element assembly (CEA) shroud assemblies; instrument guide tubes in non-peripheral CEA assemblies	LR-SG-2011-04	M	N/B3-RP-313	3.1.1.066b	Control element assembly (CEA) shroud assemblies; instrument guide tubes in non-peripheral CEA assemblies	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	New Record in GALL 3		Final GALL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	N	M	B1	RP-514	<a href="#">3.1.1.066a</a>	Core shroud assemblies (for bolted core shroud assemblies)	LR-SG-2011-04	M	N/B3-RP-514	3.1.1.066a	Core shroud assemblies (for bolted core shroud assemblies)	Stainless steel	Reactor coolant	Cracking due to irradiation-assisted SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	R-162	(N)2-60R-162)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	M	B3	RP-315	<a href="#">3.1.1.066b</a>	Core shroud assemblies (for bolted core shroud assemblies)	LR-SG-2011-04	M	N/B3-RP-315	3.1.1.066b	Core shroud assemblies (for bolted core shroud assemblies)	Stainless steel	Reactor coolant and neutron flux	Loss of preload due to thermal and irradiation-enhanced stress relaxation or creep; loss of fracture toughness due to neutron irradiation embrittlement	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	R-165	(N)2-70R-165)	Final GALL IV Tech Lead QA on 01-30-2015.
Yes	No	No	N	B3	RP-316	<a href="#">3.1.1.066a</a>	Core shroud assemblies (for bolted core shroud assemblies)	LR-SG-2011-04	M	N/B3-RP-316	3.1.1.066a	Core shroud assemblies (for bolted core shroud assemblies)	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC or fatigue	AMP XMISA, "PWR Vessel Internals," and AMP XLM, "Water Chemistry (for SCC mechanisms)"	Yes	PWR	R-162	(N)2-60R-162)	Final GALL IV Tech Lead QA on 01-30-2015.	
Yes	No	No	N	M	B1	RP-517	<a href="#">3.1.1.066b</a>	Core shroud assemblies (for bolted core shroud assemblies)	LR-SG-2011-04	M	N/B3-RP-517	3.1.1.066b	Core shroud assemblies (for bolted core shroud assemblies)	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Loss of preload due to thermal and irradiation-enhanced stress relaxation or creep; loss of fracture toughness due to neutron irradiation embrittlement	AMP XMISA, "PWR Vessel Internals"	Yes	PWR	R-165	(N)2-70R-16	



Yes	No	No	No	M	B3	RP-118	<a href="#">1.1.1.0266</a>	LR-ISO-2011-04	M	N/B3-RP-318	3.1.1.0566	Core shroud assemblies (for bolted core shroud assemblies): assembly components, including shroud plates and former plates	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; changes in dimensions due to void swelling or distortion	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	R-163	(1/80-8/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-319	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-319	3.1.1.0566	Core shroud assemblies (all plants): guide legs, insert bolts	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear; Loss of prestress due to thermal and irradiation-enhanced stress relaxation or creep	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	R-162	(1/80-8/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-320	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-320	3.1.1.0524	Core shroud assemblies (all plants): guide legs, insert bolts	Stainless steel	Reactor coolant and neutron flux	Cracking due to fatigue	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	R-162	(1/80-8/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-322	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-322	3.1.1.0524	Core shroud assembly designs assembled in two vertical sections): core shroud plate-to-former plate welds	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-323	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-323	3.1.1.0526	Core shroud assembly designs assembled in two vertical sections): core shroud plate-to-former plate welds	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-324	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-324	3.1.1.0524	Core shroud assembly designs assembled with full-height shroud plates): shroud plates, axial weld seams at the core shroud re-entrant corners, of the core mid-planes (>3 feet in height) as visible from the core side of the shroud	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-325	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-325	3.1.1.0526	Core shroud assembly designs assembled with full-height shroud plates): remaining axial welds, ribs, and rings	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-326	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-326	3.1.1.0566	Core shroud assembly designs assembled in two vertical sections): assembly components including monitoring of the gas opening at the core shroud re-entrant corners	Stainless steel	Reactor coolant and neutron flux	Changes in dimensions due to void swelling or distortion; loss of fracture toughness due to neutron irradiation embrittlement	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-326a	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-326a	3.1.1.0524	Core shroud assembly designs assembled in two vertical sections): assembly components including monitoring of the gas opening at the core shroud re-entrant corners	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR			Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-327	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-327	3.1.1.0524	Core support barrel assembly upper core support barrel flange	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	R-155	(1/80-15/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-328	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-328	3.1.1.0524	Core support barrel assembly lower core support barrel flange	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	R-155	(1/80-15/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-329	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-329	3.1.1.0526	Core support barrel assembly upper cylinder (base metal and welds) and upper core barrel flange (change base metal)	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	R-155	(1/80-15/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-330	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-330	3.1.1.0526	Lower support structure designs assembled with full-height shroud plates): core support column rods	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC or fatigue	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	R-167	(1/80-23/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-331	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-331	3.1.1.0566	Core support barrel assembly upper core support column rods	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-332	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-332	3.1.1.0566	Core support barrel assembly upper core support column rods	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear; fracture toughness due to neutron irradiation embrittlement	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	R-156	(1/80-17/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-333	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-333	3.1.1.0526	Core support barrel assembly lower flange	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-334	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-334	3.1.1.0524	Lower support structure designs assembled with full-height shroud plates): fuel alignment pins	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, or fatigue	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	R-167	(1/80-23/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-334a	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-334a	3.1.1.0566	Lower support structure designs assembled with full-height shroud plates): fuel alignment pins	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear; loss of fracture toughness due to neutron irradiation embrittlement; loss of prestress due to thermal and irradiation-enhanced stress relaxation or creep	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR			Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-335	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-335	3.1.1.0526	Lower support structure designs assembled with full-height shroud plates): lower core support beams	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, or fatigue	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	R-167	(1/80-23/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-336	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-336	3.1.1.0566	Lower support structure designs assembled in two vertical sections): fuel alignment pins	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear; loss of fracture toughness due to neutron irradiation embrittlement; loss of prestress due to thermal and irradiation-enhanced stress relaxation or creep	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	R-170	(1/80-23/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-338	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-338	3.1.1.0524	Upper internals assembly designs with core shrouds assembled with full-height shroud plates): fuel alignment pins	Stainless steel	Reactor coolant and neutron flux	Cracking due to fatigue	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-339	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-339	3.1.1.003	Reactor vessel internal components with metal fatigue analysis or other types of optical loading analysis	Stainless steel, inelasticity	Reactor coolant and neutron flux	Cumulative fatigue damage; cracking due to fatigue; cyclic loading	TLAA, SRP-BLR Section 4.3 "Metal Fatigue"	Yes	PWR	R-63	(1/80-24/81)	Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-342	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-342	3.1.1.0524	Lower support structure designs with core shrouds assembled with full-height shroud plates): deep beams	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, or fatigue	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-343	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-343	3.1.1.0524	Lower support structure designs with a core support plate: core support plate	Stainless steel	Reactor coolant and neutron flux	Cracking due to fatigue	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-357	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-357	3.1.1.028	Core instruments (CIS) IC Pinholes tubes - lower	Zircaloy-4	Reactor coolant and neutron flux	Loss of material due to wear	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-358	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-358	3.1.1.0524	Core shroud assemblies (for bolted core shroud assemblies): assembly components, including shroud plates and former plates	Stainless steel	Reactor coolant and neutron flux	Cracking due to irradiation-assisted SCC	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-359	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-359	3.1.1.0566	Core shroud assembly designs assembled in two vertical sections): core shroud plate-to-former plate welds	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; changes in dimensions due to void swelling or distortion	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-359a	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-359a	3.1.1.0566	Core shroud assembly designs assembled in two vertical sections): remaining axial welds	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; changes in dimensions due to void swelling or distortion	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR			Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-360	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-360	3.1.1.0566	Core shroud assembly designs assembled with full-height shroud plates): shroud plate axial weld seams at the core shroud re-entrant corners	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-361	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-361	3.1.1.0566	Core shroud assembly designs assembled with full-height shroud plates): remaining axial welds, ribs, and rings	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-362	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-362	3.1.1.0566	Core support barrel assembly upper cylinder (circumferential girth) welds	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-362a	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-362a	3.1.1.0524	Core support barrel assembly lower cylinder (circumferential girth) welds	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or irradiation-assisted SCC	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR			Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-362b	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-362b	3.1.1.0566	Core support barrel assembly lower cylinder (vertical axial) welds	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR			Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-362c	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-362c	3.1.1.0524	Core support barrel assembly lower cylinder (vertical axial) welds	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or irradiation-assisted SCC	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR			Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-363	<a href="#">1.1.1.0524</a>	LR-ISO-2011-04	M	N/B3-RP-363	3.1.1.0524	Lower support structure (all plants): core support column welds	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, or fatigue	AMP X/MTRSA, "PWR Vessel Internals," and AMP X/M, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-364	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-364	3.1.1.0566	Lower support structure (all plants): core support column welds (including CAGS)	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation and thermal embrittlement	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-365	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-365	3.1.1.0566	Lower support structure designs with a core support plate: core support plate	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015
Yes	No	No	No	M	B3	RP-366	<a href="#">1.1.1.0566</a>	LR-ISO-2011-04	M	N/B3-RP-366	3.1.1.0566	Lower support structure designs with full-height shroud plates): deep beams	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/MTRSA, "PWR Vessel Internals"	Yes	PWR	New Record in GALL 2		Final GALL V Tech Lead QA on 01-30-2015



Yes	No	No	No	M	B3	RP-382	<a href="#">1.1.1.032</a>	LR-ISO-2011-04	M	N/B4-RP-382	3.1.1.032	Reactor vessel internal components (N Examination Category 3-A) core support structure components not already identified as "Existing Programs" components in MRP-227-A	Stainless steel, nickel alloy, cast austenitic stainless steel	Reactor coolant and neutron flux	Cracking due to fatigue, SCC, or irradiation-assisted SCC; loss of material due to wear	AMP X/M3M, "ASME Section X Inspection, Subsections WRS, WNC, and WPC"	No	PWR	R-170	(1/84-220R-170)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B3	RP-400	<a href="#">1.1.1.038</a>	LR-ISO-2011-04	M	N/B4-RP-400	3.1.1.028	Core support barrel assembly thermal shield positioning pins	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC or fatigue; loss of material due to wear	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	Yes	No	No	N	B4	R-423	<a href="#">1.1.1.118</a>	LR-ISO-2011-04	N	N/B4-R-423	3.1.1.118	Reactor vessel internal components	Stainless steel, nickel alloy	Reactor coolant, neutron flux	Cracking due to SCC, irradiation-assisted SCC, voids, fretting, stress	Plant-specific aging management program	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	Yes	No	No	N	B4	R-424	<a href="#">1.1.1.119</a>	LR-ISO-2011-04	N	N/B4-R-424	3.1.1.119	Reactor vessel internal components	Stainless steel, nickel alloy	Reactor coolant, neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; changes in permeability due to void swelling or dislocation; loss of preload due to thermal and irradiation-enhanced stress relaxation or creep; loss of material due to wear	Plant-specific aging management program	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	R-53	<a href="#">1.1.1.303</a>	LR-ISO-2011-04	N	N/B4-R-53	3.1.1.003	Reactor vessel internal components, internal with metal fatigue analysis and other types of cyclic loading analysis	Stainless steel, nickel alloy	Reactor coolant, neutron flux	Corrosion fatigue damage; cracking due to fatigue, cyclic loading	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-238	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-238	3.1.1.058	Reactor vessel internal components (No Additional Measures) components	Stainless steel, nickel alloy	Reactor coolant and neutron flux	No additional aging management for reactor internal (No Additional Measures) components unless required by ASME Section X Examination Category 3-A or relevant operating experience exists	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR	New Record in GALLI 2		Final GALLI W Tech Lead QA on 01-30-2015
No	No	No	Yes	N	B4	RP-24	<a href="#">1.1.1.080</a>	LR-ISO-2011-04	M	N/B4-RP-24	3.1.1.087	Reactor vessel internal components	Stainless steel, nickel alloy	Reactor coolant, neutron flux	Loss of material due to jacking, crevice corrosion	AMP X/M2, "Water Chemistry"	No	PWR			Final GALLI W Tech Lead QA on 01-30-2015
No	No	No	No	N	B4	RP-240	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-240	3.1.1.058	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; loss of preload due to thermal and irradiation-enhanced stress relaxation; loss of material due to wear	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR	R-128	(1/84-10R-128)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-240a	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-240a	3.1.1.058	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; loss of material due to wear	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-241	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-241	3.1.1.014	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, fatigue, or overload	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	R-125	(1/84-7R-125)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-241a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-241a	3.1.1.014	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, fatigue, or overload	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-242	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-242	3.1.1.058	Control rod guide tube (CRGT) spacer casings	Cast austenitic stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to thermal aging embrittlement	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR	R-183	(1/84-4R-183)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-242a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-242a	3.1.1.014	Control rod guide tube (CRGT) spacer casings	Stainless steel (including CABS)	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-243	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-243	3.1.1.058	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; loss of preload due to thermal and irradiation-enhanced stress relaxation or creep; loss of material due to wear	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR	R-128	(1/84-10R-128)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-243a	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-243a	3.1.1.058	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement; loss of material due to wear	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-244	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-244	3.1.1.014	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, fatigue, or overload	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR	R-125	(1/84-7R-125)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-244a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-244a	3.1.1.014	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, fatigue, or overload	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-245	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-245	3.1.1.014	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to SCC	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	PWR	R-194	(1/84-13R-194)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-245a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-245a	3.1.1.014	Core barrel assembly locking devices (including locking bolts and screws)	Nickel alloy	Reactor coolant and neutron flux	Cracking due to fatigue	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-246	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-246	3.1.1.058	Core barrel assembly locking devices (including locking bolts and screws)	Nickel alloy	Reactor coolant and neutron flux	Loss of material due to wear; changes in dimensions due to void swelling or dislocation	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-246a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-246a	3.1.1.014	Lower grid assembly upper thermal shield (UTS) bolts and lower thermal shield (LTS) bolt locking devices	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to SCC	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	PWR	R-196	(1/84-12R-196)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-246a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-246a	3.1.1.014	Lower grid assembly upper thermal shield (UTS) bolts and lower thermal shield (LTS) bolt locking devices	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to fatigue	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-246b	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-246b	3.1.1.058	Lower grid assembly upper thermal shield (UTS) bolts and lower thermal shield (LTS) bolt locking devices	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Loss of material due to wear; changes in dimensions due to void swelling or dislocation	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-247	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-247	3.1.1.014	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to SCC	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	PWR	R-194	(1/84-13R-194)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-247a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-247a	3.1.1.014	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to fatigue	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-247b	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-247b	3.1.1.058	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Loss of material due to wear; changes in dimensions due to void swelling or dislocation	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-248	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-248	3.1.1.014	Core support shield (CSS) assembly upper core barrel (UCB) bolt locking devices	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to SCC	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	PWR	R-196	(1/84-12R-196)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-248a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-248a	3.1.1.014	Core support shield (CSS) assembly upper core barrel (UCB) bolt locking devices	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to fatigue	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-248b	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-248b	3.1.1.058	Core support shield (CSS) assembly upper core barrel (UCB) bolt locking devices	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Loss of material due to wear; changes in dimensions due to void swelling or dislocation	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-249	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-249	3.1.1.058	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR	R-196	(1/84-12R-196)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-249a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-249a	3.1.1.014	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, voids, fretting, stress	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-250	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-250	3.1.1.058	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to neutron irradiation embrittlement	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR	R-196	(1/84-12R-196)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-250a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-250a	3.1.1.014	Core barrel assembly locking devices (including locking bolts and screws)	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC, irradiation-assisted SCC, fatigue, or overload	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-251	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-251	3.1.1.058	Core support shield (CSS) assembly upper core barrel (UCB) bolt locking devices	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear; loss of preload (pear)	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR	R-190	(1/84-15R-190)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-251a	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-251a	3.1.1.058	Core support shield (CSS) assembly upper core barrel (UCB) bolt locking devices	Stainless steel	Reactor coolant and neutron flux	Loss of material due to wear; loss of preload (pear)	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-252	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-252	3.1.1.058	Core support shield (CSS) assembly upper core barrel (UCB) bolt locking devices	Stainless steel	Reactor coolant and neutron flux	Loss of fracture toughness due to thermal aging embrittlement	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR	R-188	(1/84-16R-188)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-252a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-252a	3.1.1.014	Core support shield (CSS) assembly upper core barrel (UCB) bolt locking devices	Stainless steel	Reactor coolant and neutron flux	Cracking due to SCC or fatigue	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry" (for SCC mechanisms only)	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-254	<a href="#">1.1.1.050</a>	LR-ISO-2011-04	M	N/B4-RP-254	3.1.1.050	Lower grid assembly upper thermal shield (UTS) bolts and lower thermal shield (LTS) bolt locking devices	Nickel alloy	Reactor coolant and neutron flux	Cracking due to SCC	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	PWR	R-210	(1/84-25R-210)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-254a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-254a	3.1.1.014	Lower grid assembly upper thermal shield (UTS) bolts and lower thermal shield (LTS) bolt locking devices	Nickel alloy	Reactor coolant and neutron flux	Cracking due to fatigue	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-254b	<a href="#">1.1.1.058</a>	LR-ISO-2011-04	M	N/B4-RP-254b	3.1.1.058	Lower grid assembly upper thermal shield (UTS) bolts and lower thermal shield (LTS) bolt locking devices	Nickel alloy	Reactor coolant and neutron flux	Loss of material due to wear; changes in dimensions due to void swelling or dislocation	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-258	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-258	3.1.1.014	Flow distributor assembly flow distributor nozzle	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to SCC	AMP X/M3M, "PWR Vessel Internals," and AMP X/M2, "Water Chemistry"	Yes	PWR	R-210	(1/84-25R-210)	Final GALLI W Tech Lead QA on 01-30-2015
Yes	No	No	No	N	B4	RP-258a	<a href="#">1.1.1.014</a>	LR-ISO-2011-04	M	N/B4-RP-258a	3.1.1.014	Flow distributor assembly flow distributor nozzle	Stainless steel, nickel alloy	Reactor coolant and neutron flux	Cracking due to fatigue	AMP X/M3M, "PWR Vessel Internals"	Yes	PWR			Final GALLI W Tech Lead QA on 01-30-2015



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Yes	Yes	No	No	M	C2	R-451	<a href="#">1.1.1.149</a>		N	M/C2.R-451	3.1.1.124	Piping, piping components	Steel	Ac-indoor uncontrolled, air-outdoor, condensation	Loss of material due to general, pitting, crevice corrosion	AMP X/M2M, "External Surface Monitoring of Mechanical Components"	No	PWR					Final GALL W Tech Lead QA on 01-30-2015
Yes	Yes	Yes	No	M	C2	R-448			D	M/C2.R-448		Non-metallic thermal insulation										Final GALL W Tech Lead QA on 04-05-2015	
Yes	Yes	No	No	M	C2	R-450	<a href="#">1.1.1.135</a>		N	M/C2.R-450	3.1.1.134	Non-metallic thermal insulation	Any	Ac, condensation	Reduced thermal insulation resistance due to moisture intrusion	AMP X/M2M, "External Surface Monitoring of Mechanical Components"	No	PWR					Final GALL W Tech Lead QA on 04-05-2015
Yes	Yes	Yes	No	M	C2	R-451			D	M/C2.R-451												Holston Supplement A/B addition	
Yes	Yes	Yes	No	M	C2	R-452			D	M/C2.R-452												Holston Supplement A/B addition	
Yes	Yes	No	No	M	C2	R-453a	<a href="#">1.1.1.136</a>		N	M/C2.R-453a	3.1.1.138	Piping, piping components	Stainless steel, steel with stainless steel cladding	Ac, condensation	Loss of material due to pitting, crevice corrosion	AMP X/M2M, "One-Time Inspection"	Yes	PWR					
Yes	Yes	No	M	C2	R-453b	<a href="#">1.1.1.138</a>			N	M/C2.R-453b	3.1.1.138	Piping, piping components	Stainless steel, steel with stainless steel cladding	Ac, condensation	Loss of material due to pitting, crevice corrosion	AMP X/M2M, "External Surface Monitoring of Mechanical Components"	Yes	PWR					
Yes	Yes	No	No	M	C2	R-453c	<a href="#">1.1.1.138</a>		N	M/C2.R-453c	3.1.1.138	Piping, piping components	Stainless steel, steel with stainless steel cladding	Ac, condensation	Loss of material due to pitting, crevice corrosion	AMP X/M2M, "Inspection of Internal Surfaces in Maintenance Plants and Puffins Components"	Yes	PWR					
Yes	Yes	No	No	M	C2	R-453d	<a href="#">1.1.1.139</a>		N	M/C2.R-453d	3.1.1.138	Piping, piping components	Stainless steel, steel with stainless steel cladding	Ac, condensation	Loss of material due to pitting, crevice corrosion	AMP X/M2M, "Inspection of Internal Surfaces in Maintenance Plants and Puffins Components"	Yes	PWR					
Yes	Yes	Yes	No	M	C2	R-454			D	M/C2.R-454													
Yes	Yes	No	No	M	C2	R-502	<a href="#">1.1.1.140</a>		M	M/C2.R-502	3.1.1.050	Class 1 piping, piping components, including pump casings	Cast austenitic stainless steel	Reactor coolant	Loss of fracture toughness due to thermal aging embrittlement	AMP X/M2M, "Thermal Aging Embrittlement of Cast Austenitic Stainless Steel (CASS)"	No	PWR					
Yes	No	No	Yes	M	C2	R-58	<a href="#">1.1.1.035</a>		E	M/C2.R-58	3.1.1.035	Reactor coolant system piping and fittings, cold leg, hot leg, surge line, spray line	Stainless steel, steel with stainless steel cladding	Reactor coolant	Cracking due to cyclic loading	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	No	M	C2	R-58	<a href="#">1.1.1.040</a>		M	M/C2.R-58	3.1.1.040	Pressurizer components	Steel (with stainless steel or nickel alloy cladding)	Reactor coolant	Cracking due to cyclic loading	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	M	C2	RP-12	<a href="#">1.1.1.093</a>			M	M/C2.RP-12	3.1.1.093	Piping, piping components	Stainless steel, steel with stainless steel cladding	Reactor coolant	Cracking due to cyclic loading	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR					
Yes	No	No	Yes	M	C2	RP-158	<a href="#">1.1.1.045</a>		E	M/C2.RP-158	3.1.1.045	Pressurizer surge and steam space nozzles, welds	Nickel alloy	Reactor coolant, steam	Cracking due to primary water SCC	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR	RP-22				Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	Yes	M	C2	RP-159	<a href="#">1.1.1.045</a>		E	M/C2.RP-159	3.1.1.045	Piping, piping components	Nickel alloy	Reactor coolant, steam	Cracking due to primary water SCC	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR	RP-31				Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	No	N	C2	RP-166	<a href="#">1.1.1.064</a>		M	M/C2.RP-166	3.1.1.064	Closure bolting	Steel, stainless steel	Ac - indoor uncontrolled	Loss of material due to general (steel only), pitting, crevice corrosion, wear	AMP X/M1M, "Bolted Integrity"	No	PWR	New Record in GALL 2				Final GALL W Tech Lead QA on 02-02-2015
No	No	No	No	M	C2	RP-167	<a href="#">1.1.1.049</a>		M	M/C2.RP-167	3.1.1.049	Closure bolting	Steel	Ac with bonded water leakage	Loss of material due to boric acid corrosion	AMP X/M1M, "Boric Acid Corrosion"	No	PWR	New Record in GALL 2				Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	No	M	C2	RP-221	<a href="#">1.1.1.089</a>		M	M/C2.RP-221	3.1.1.089	Piping, piping components	Steel	Closed-cycle cooling water	Loss of material due to general, pitting, crevice corrosion, ME	AMP X/M2M, "Closed Treated Water Systems"	No	PWR	RP-10				Final GALL W Tech Lead QA on 02-02-2015
Yes	No	Yes	No	M	C2	RP-222			D	M/C2.RP-222												Tech Lead Changes Made 12/8/2014	
Yes	No	No	No	M	C2	RP-23	<a href="#">1.1.1.088</a>		M	M/C2.RP-23	3.1.1.088	Piping, piping components, flanges, header shafts and nozzles, thermal sleeves, non-reactor seal shafts, heads, nozzles, nozzle safe ends, welds	Steel (with stainless steel or nickel alloy cladding), stainless steel, nickel alloy	Reactor coolant	Loss of material due to pitting, crevice corrosion	AMP X/M2M, "Water Chemistry"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	Yes	M	C2	RP-231	<a href="#">1.1.1.034</a>		E	M/C2.RP-231	3.1.1.034	Pressurizer relief tank, tank shell and heads; flanges, nozzles	Stainless steel, steel with stainless steel cladding	Treated borated water	Cracking due to SCC	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR	R-14				Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	No	M	C2	RP-238	<a href="#">1.1.1.039</a>		M	M/C2.RP-238	3.1.1.039	Class 1 piping, fittings and branch connections - NPS 4	Stainless steel, steel with or without nickel alloy or stainless steel cladding	Reactor coolant	Cracking due to SCC (for stainless steel or nickel alloy surfaces exposed to reactor coolant only). GSCC (for stainless steel or nickel alloy surfaces exposed to reactor coolant only), thermal, vibratory fatigue	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR	R-02				Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	Yes	M	C2	RP-344	<a href="#">1.1.1.033</a>		E	M/C2.RP-344	3.1.1.033	Class 1 piping, piping components	Stainless steel, steel with stainless steel cladding	Reactor coolant	Cracking due to SCC	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR	R-07				Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	Yes	M	C2	RP-37	<a href="#">1.1.1.046</a>		E	M/C2.RP-37	3.1.1.045	Pressurizer instrumentation penetrations; header shafts and nozzles; header bundle support; flange, flange and flange	Nickel alloy steel with stainless steel cladding	Reactor coolant	Cracking due to primary water SCC	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR	R-08				Final GALL W Tech Lead QA on 02-02-2015
No	No	No	No	M	C2	RP-380	<a href="#">1.1.1.048</a>		M	M/C2.RP-380	3.1.1.048	External surface reactor coolant piping or components adjacent to deaerator model (A152182) weld	Steel	Ac with bonded water leakage	Loss of material due to boric acid corrosion	AMP X/M1M, "Boric Acid Corrosion" and AMP X/M1B, "Cracking of Nickel-Alloy Components and Loss of Material Due to Boric Acid-Induced Corrosion in RCPB Components (PWIs Only)"	No	PWR	R-17				Final GALL W Tech Lead QA on 02-02-2015
No	No	No	No	M	C2	RP-383	<a href="#">1.1.1.080</a>		M	M/C2.RP-383	3.1.1.080	Pressurizer relief tank, tank shell and heads; flanges, nozzles (non-ASME Section XI components)	Stainless steel, steel with stainless steel cladding	Treated borated water	Cracking due to SCC	AMP X/M2M, "Water Chemistry" and AMP X/M2M, "One-Time Inspection"	No	PWR	New Record in GALL 2				Final GALL W Tech Lead QA on 02-02-2015
No	No	No	No	M	C2	RP-40	<a href="#">1.1.1.086</a>			M/C2.RP-40	3.1.1.082	Pressurizer spray head	Nickel alloy	Reactor coolant	Cracking due to SCC, primary water SCC	AMP X/M2M, "Water Chemistry" and AMP X/M2M, "One-Time Inspection"	No	PWR					
No	No	No	No	M	C2	RP-41	<a href="#">1.1.1.081</a>			M/C2.RP-41	3.1.1.081	Pressurizer spray head	Stainless steel	Reactor coolant	Cracking due to SCC	AMP X/M2M, "Water Chemistry" and AMP X/M2M, "One-Time Inspection"	No	PWR	R-24				Final GALL W Tech Lead QA on 02-02-2015
Yes	Yes	No	No	M	C2	RP-44	<a href="#">1.1.1.011</a>		N	M/C2.RP-44	3.1.1.011	Pump and valve closure bolting	Steel, stainless steel	System temperature up to 280°C (530°F)	Cumulative fatigue damage; cracking due to fatigue, cyclic loading	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR	R-24				Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	No	M	D1	R-16	<a href="#">1.1.1.082</a>			M/D1.R-16	3.1.1.082	Closure bolting	Ac-indoor uncontrolled	Cracking due to SCC	AMP X/M1M, "Bolted Integrity"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	No	M	D1	R-17	<a href="#">1.1.1.040</a>		M	M/D1.R-17	3.1.1.040	Reconstituted steam generator components, external surfaces	Steel	Ac with bonded water leakage	Loss of material due to boric acid corrosion	AMP X/M1M, "Boric Acid Corrosion"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	No	M	D1	R-221	<a href="#">1.1.1.068</a>		M	M/D1.R-221	3.1.1.008	Reconstituted steam generator components, without nickel alloy or stainless steel cladding; nickel alloy	Stainless steel	Reactor coolant	Cumulative fatigue damage; cracking due to fatigue, cyclic loading	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	No	M	D1	R-33	<a href="#">1.1.1.003</a>		M	M/D1.R-33	3.1.1.003	Steam generator components, low head, steam nozzle and safe end, upper and lower shell, feedwater (FW) and safety injection (SI) nozzles and safe end, FW engagement plate and support	Stainless steel	Secondary feedwater or steam	Cumulative fatigue damage; cracking due to fatigue, cyclic loading	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR					Final GALL W Tech Lead QA on 02-02-2015
No	No	No	No	M	D1	R-37	<a href="#">1.1.1.081</a>		M	M/D1.R-37	3.1.1.081	Pressure boundary and structural steam nozzle and safe end, feedwater nozzle and safe end	Steel	Secondary feedwater or steam	Wall thinning due to flow-accelerated corrosion	AMP X/M1M, "Flow-Accelerated Corrosion"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	Yes	M	D1	R-38	<a href="#">1.1.1.022</a>		E	M/D1.R-38	3.1.1.022	Steam generator feedwater management plate and support	Steel	Secondary feedwater	Loss of material due to erosion	Plant-specific aging management program	Yes	PWR					Final GALL W Tech Lead QA on 02-02-2015
No	No	No	No	M	D1	R-40	<a href="#">1.1.1.029</a>			M/D1.R-40	3.1.1.070	Tube plugs	Nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/M1M, "Steam Generators" and AMP X/M2M, "Chemistry"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	Yes	No	No	M	D1	R-40	<a href="#">1.1.1.111</a>		N	M/D1.R-40	3.1.1.111	Tubes	Nickel alloy	Reactor coolant	Reduction of heat transfer due to fouling	AMP X/M2M, "Water Chemistry" and AMP X/M1B, "Steam Generators"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
No	No	No	No	M	D1	R-42	<a href="#">1.1.1.072</a>			M/D1.R-42	3.1.1.072	Steam generator structural tube support plates	Secondary feedwater or steam	Ligament cracking due to corrosion	AMP X/M1M, "Steam Generators" and AMP X/M2M, "Water Chemistry"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015	
No	No	No	No	M	D1	R-43	<a href="#">1.1.1.088</a>			M/D1.R-43	3.1.1.088	Tubes	Nickel alloy	Secondary feedwater or steam	Changes in dimensional "fitting" due to corrosion of carbon steel tube support	AMP X/M1M, "Steam Generators" and AMP X/M2M, "Water Chemistry"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	Yes	No	M	D1	R-438	<a href="#">1.1.1.122</a>		LR-ISO 2016-01	N	M/D1.R-438	3.1.1.122	Steam generator internal steam shell or nickel alloy	Steel (with stainless steel or nickel alloy cladding)	Reactor coolant	Loss of material due to boric acid corrosion	AMP X/M2M, "Water Chemistry" and AMP X/M1B, "Steam Generators"	No	PWR					Final GALL W Tech Lead QA on 01-30-2015
Yes	Yes	No	No	M	D1	R-437	<a href="#">1.1.1.125</a>		N	M/D1.R-437	3.1.1.125	Tubes (at tube support plate locations)	Nickel alloy	Secondary feedwater or steam	Cracking due to flow-induced vibration, high-cycle fatigue	AMP X/M1M, "Steam Generators"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
No	No	No	No	M	D1	R-44	<a href="#">1.1.1.070</a>			M/D1.R-44	3.1.1.070	Tubes and nozzles	Nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/M1M, "Steam Generators" and AMP X/M2M, "Water Chemistry"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	Yes	Yes	No	M	D1	R-448			D	M/D1.R-448												Final GALL W Tech Lead QA on 04-04-2015	
Yes	Yes	No	No	M	D1	R-450	<a href="#">1.1.1.134</a>		N	M/D1.R-450	3.1.1.134	Non-metallic thermal insulation	Any	Ac, condensation	Reduced thermal insulation resistance due to moisture intrusion	AMP X/M2M, "External Surface Monitoring of Mechanical Components"	No	PWR					
Yes	No	No	No	M	D1	R-46	<a href="#">1.1.1.060</a>		M	M/D1.R-46	3.1.1.060	Tubes and nozzles	Nickel alloy	Reactor coolant, secondary feedwater	Cumulative fatigue damage; cracking due to fatigue, cyclic loading	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	No	M	D1	R-47	<a href="#">1.1.1.060</a>		M	M/D1.R-47	3.1.1.060	Tubes and nozzles	Nickel alloy	Reactor coolant	Cracking due to outer diameter SCC, intergranular attack	AMP X/M1M, "Steam Generators" and AMP X/M2M, "Water Chemistry"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	No	Yes	No	M	D1	R-48			D	M/D1.R-48												Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	No	M	D1	R-502	<a href="#">1.1.1.073</a>			M/D1.R-502	3.1.1.073	Tubes and nozzles	Nickel alloy	Phosphate chemistry in secondary feedwater or steam	Loss of material due to welds, pitting, corrosion	AMP X/M1M, "Steam Generators" and AMP X/M2M, "Water Chemistry"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	Yes	M	D1	RP-161	<a href="#">1.1.1.072</a>		E	M/D1.RP-161	3.1.1.072	Steam generator tube bundle wrapper and associated supports and mounting hardware	Steel	Secondary feedwater or steam	Loss of material due to general, pitting, crevice corrosion, erosion	AMP X/M1M, "Steam Generators" and AMP X/M1B, "Water Chemistry" (general, pitting, crevice corrosion only)	No	PWR	RP-16				Final GALL W Tech Lead QA on 02-02-2015
Yes	Yes	No	No	M	D1	RP-166	<a href="#">1.1.1.066</a>		N	M/D1.RP-166	3.1.1.064	Closure bolting	Steel, stainless steel	Ac - indoor uncontrolled	Loss of material due to general pitting, pitting, crevice corrosion	AMP X/M1B, "Bolted Integrity"	No	PWR					
No	No	No	No	M	D1	RP-17	<a href="#">1.1.1.086</a>			M/D1.RP-17	3.1.1.086	Primary side components, stainless steel	Stainless steel	Reactor coolant	Cracking due to SCC	AMP X/M2M, "Water Chemistry"	No	PWR					Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	No	M	D1	RP-225	<a href="#">1.1.1.076</a>		M	M/D1.RP-225	3.1.1.076	Steam generator structural U-bend supports including anti-vibration bars	Steel, chrome plated steel, stainless steel, nickel alloy	Secondary feedwater or steam	Loss of material due to fitting, wear	AMP X/M1M, "Steam Generators"	No	PWR	RP-15				EP change 0302014 from TD # 11-119
No	No	No	Yes	M	D1	RP-226	<a href="#">1.1.1.071</a>		M	M/D1.RP-226	3.1.1.071	Steam generator structural U-bend supports including anti-vibration bars	Steel, chrome plated steel, stainless steel, nickel alloy	Secondary feedwater or steam	Loss of material due to general pitting only, pitting, crevice corrosion	AMP X/M1M, "Steam Generators" and AMP X/M2M, "Water Chemistry"	No	PWR	RP-15				Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	Yes	M	D1	RP-232	<a href="#">1.1.1.033</a>		E	M/D1.RP-232	3.1.1.033	Steam generator structural U-bend supports including anti-vibration bars	Stainless steel, steel with stainless steel cladding; chrome, chrome plated steel, stainless steel, nickel alloy	Reactor coolant	Cracking due to SCC	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR	R-07				Final GALL W Tech Lead QA on 02-02-2015
No	No	No	Yes	M	D1	RP-233	<a href="#">1.1.1.077</a>		M	M/D1.RP-233	3.1.1.077	Tubes and nozzles	Nickel alloy	Secondary feedwater or steam	Loss of material due to fitting, wear	AMP X/M1M, "Steam Generators"	No	PWR	R-49				EP change 0302014 from TD # 11-119
Yes	No	Yes	Yes	M	D1	RP-38	<a href="#">1.1.1.045</a>		E	M/D1.RP-38	3.1.1.045	Instrument penetrations and primary side nozzles; safe ends, welds	Steel (with nickel alloy cladding), nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/M1M, "ASME Section XI Inspection, Subsections IWB, IWC, and IWD"	No	PWR	R-01				Final GALL W Tech Lead QA on 02-02-2015
Yes	No	No	No	M	D1	RP-367	<a href="#">1.1.1.025</a>		M	M/D1.RP-367	3.1.1.025	Primary side components, driver plate	Steel (with nickel alloy cladding), nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/M2M, "Water Chemistry" and AMP X/M1B, "Steam Generators" - in addition, a plant-specific program is to be executed.	Yes	PWR	RP-21				



Yes	No	No	Yes	M	D1	RP-368	<a href="#">1.1.1.012</a>		E	M/D1-RP-368	3.1.1.012	Steam generator components: upper and lower shell transition cone: new transition cone: new transition cone: closure weld	Steel	Secondary feedwater or steam	Loss of material due to general, pitting, crevice corrosion	AMP X/M2, "Water Chemistry," and AMP X/M2, "One-Time Inspection"	Yes	PWR	R-34	(N12-158R-34)	Final GALL W Tech Lead QA on 02-02-2015	
No	No	No	Yes	V	D1	RP-372	<a href="#">1.1.1.033</a>			M/D1-RP-372	3.1.1.033	Steam generator components: shell assembly	Steel	Secondary feedwater or steam	Loss of material due to general, pitting, crevice corrosion	AMP X/M2, "Water Chemistry," and AMP X/M2, "One-Time Inspection"	No	PWR	New Record in GALL 2	Final GALL W Tech Lead QA on 02-02-2015		
No	No	No	No	V	D1	RP-384	<a href="#">1.1.1.051</a>			M/D1-RP-384	3.1.1.071	Steam generator structural: U-bend supports: ribs: welding and rivet: rivet	Steel, chrome plated steel, copper: ribs: welding and rivet: rivet	Secondary feedwater or steam	Cracking due to SCC or other mechanisms	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry"	No	PWR	RP-14	(N12-148RP-14)	Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	No	M	D1	RP-385	<a href="#">1.1.1.052</a>	LR-ISO-2016-01	M	M/D1-RP-385	3.1.1.025	Tube-to-tube sheet welds	Nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/M2, "Water Chemistry," and AMP X/M2, "Steam Generators," in addition, a plant-specific program is to be implemented	Yes	PWR	New Record in GALL 2	Final GALL W Tech Lead QA on 02-02-2015		
No	No	No	Yes	M	D1	RP-48	<a href="#">1.1.1.087</a>			M/D1-RP-48	3.1.1.087	Closure bolting	Steel, stainless steel	Ar - indoor uncontrolled (atmosphere)	Loss of preload due to thermal effects, gasket creep, self-loosening	AMP X/M2, "Bolting Integrity"	No	PWR	R-32	(N12-158R-32)	Final GALL W Tech Lead QA on 02-02-2015	
No	No	No	Yes	V	D1	RP-48	<a href="#">1.1.1.075</a>			M/D1-RP-48	3.1.1.075	Steam generator structural: tube support plate bars	Steel	Secondary feedwater or steam	Wall thinning due to flow-accelerated corrosion, general corrosion	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry"	No	PWR	R-41	(N12-168R-41)	Final GALL W Tech Lead QA on 02-02-2015	
No	No	No	No	M	D1	RP-49	<a href="#">1.1.1.074</a>			M/D1-RP-49	3.1.1.074	Upper assembly and separators including: feedwater: feedwater and support	Steel	Secondary feedwater or steam	Wall thinning due to flow-accelerated corrosion	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry"	No	PWR	R-51	(N12-268R-51)	Final GALL W Tech Lead QA on 02-02-2015	
Yes	Yes	No	No	M	D2	R-16	<a href="#">1.1.1.062</a>		N	M/D2-R-16	3.1.1.062	Closure bolting	High-strength alloy steel	Ar - indoor uncontrolled (atmosphere)	Cracking due to SCC	AMP X/M2, "Bolting Integrity"	No	PWR				
Yes	No	No	No	M	D2	R-17	<a href="#">1.1.1.049</a>		M	M/D2-R-17	3.1.1.049	Once-through steam generator components: external surfaces	Steel	Reactor coolant	Loss of material due to boric acid corrosion	AMP X/M2, "Boric Acid Corrosion"	No	PWR			(N12-158R-17)	
Yes	No	No	No	M	D2	R-222	<a href="#">1.1.1.008</a>		M	M/D2-R-222	3.1.1.008	Once-through steam generator components: primary side: nozzles, safe ends, welds	Stainless steel, steel (with or without nickel alloy or stainless steel cladding), nickel alloy	Reactor coolant	Cumulative fatigue damage: cracking due to fatigue, cyclic loading	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR			(N12-35R-222)	
No	No	No	No	M	D2	R-228	<a href="#">1.1.1.068</a>			M/D2-R-228	3.1.1.068	Tubes	Nickel alloy	Secondary feedwater or steam	Changes in dimension ("harding" or "softening")	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry"	No	PWR			(N12-158R-228)	
Yes	No	No	No	M	D2	R-31	<a href="#">1.1.1.044</a>		M	M/D2-R-31	3.1.1.044	Secondary: primary covers, handhole covers	Steel	Ar - indoor uncontrolled	Loss of material due to erosion	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry"	No	PWR			(N12-58R-31)	
Yes	No	No	No	M	D2	R-33	<a href="#">1.1.1.005</a>		M	M/D2-R-33	3.1.1.005	Steam generator components: top: steam nozzles and safe ends, upper and lower heads, shell, feedwater (FW) and auxiliary FW nozzles and safe ends, FW and auxiliary FW support plate and support	Steel	Secondary feedwater or steam	Cumulative fatigue damage: cracking due to fatigue, cyclic loading	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR			(N12-158R-33)	
No	No	No	No	M	D2	R-36	<a href="#">1.1.1.078</a>			M/D2-R-36	3.1.1.078	Steam generator components: secondary side: nozzles (vent, drain, and instrumentation)	Nickel alloy	Secondary feedwater or steam	Cracking due to SCC	AMP X/M2, "Water Chemistry," and AMP X/M2, "One-Time Inspection"	No	PWR			(N12-85R-36)	
No	No	No	No	M	D2	R-38	<a href="#">1.1.1.061</a>			M/D2-R-38	3.1.1.061	Steam generator components: feedwater (FW) and auxiliary FW nozzles and safe ends, steam nozzles and safe ends	Steel	Secondary feedwater or steam	Wall thinning due to flow-accelerated corrosion	AMP X/M2, "Flow-Accelerated Corrosion"	No	PWR			(N12-75R-38)	
No	No	No	No	M	D2	R-40	<a href="#">1.1.1.070</a>			M/D2-R-40	3.1.1.070	Tube plugs	Nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry"	No	PWR			(N12-158R-40)	
Yes	Yes	No	No	M	D2	R-407	<a href="#">1.1.1.111</a>		N	M/D2-R-407	3.1.1.111	Tubes	Nickel alloy	Secondary feedwater or steam	Reduction of heat transfer due to fouling	AMP X/M2, "Water Chemistry," and AMP X/M2, "Steam Generators"	No	PWR				
No	No	No	No	M	D2	R-42	<a href="#">1.1.1.072</a>			M/D2-R-42	3.1.1.072	Steam generator structural: tube support plate	Steel	Secondary feedwater or steam	Lightening: cracking due to corrosion	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry"	No	PWR			(N12-115R-42)	
No	No	No	No	M	D2	R-44	<a href="#">1.1.1.070</a>			M/D2-R-44	3.1.1.070	Tubes and sleeves	Nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry"	No	PWR			(N12-148R-44)	
Yes	Yes	No	M	D2	R-448	<a href="#">1.1.1.127</a>	LR-ISO-2016-01	N	M/D2-R-448	3.1.1.127	Steam Generator upper and lower heads and nozzles	Steel (with stainless steel or nickel alloy cladding)	Reactor coolant	Loss of material due to boric acid corrosion	AMP X/M2, "Water Chemistry," and AMP X/M2, "Steam Generators"	No	PWR			Final GALL W Tech Lead QA on 02-02-2015		
Yes	Yes	No	M	D2	R-442	<a href="#">1.1.1.128</a>		N	M/D2-R-442	3.1.1.128	Tubes (at tube support plate locations)	Nickel alloy	Secondary feedwater or steam	Cracking due to flow-induced vibrations, high-cycle fatigue	AMP X/M2, "Steam Generators"	No	PWR			Final GALL W Tech Lead QA on 02-02-2015		
Yes	Yes	Yes	M	D2	R-448			D	M/D2-R-448								No	PWR			Final GALL W Tech Lead QA on 02-02-2015	
Yes	Yes	No	M	D2	R-450	<a href="#">1.1.1.134</a>			M/D2-R-450	3.1.1.134	Non-metallic thermal insulation	Any	Ar, condensation	Reduced thermal insulation resistance due to moisture intrusion	AMP X/M2, "External Surfaces Monitoring of Mechanical Components"	No	PWR					
Yes	No	No	M	D2	R-46	<a href="#">1.1.1.062</a>			M/D2-R-46	3.1.1.062	Tubes and sleeves	Nickel alloy	Reactor coolant	Cumulative fatigue damage: cracking due to fatigue, cyclic loading	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	PWR			(N12-158R-46)		
Yes	No	No	M	D2	R-47	<a href="#">1.1.1.069</a>		M	M/D2-R-47	3.1.1.069	Tubes and sleeves	Nickel alloy	Secondary feedwater or steam	Cracking due to cyclic thermal stress, intergranular attack	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry"	No	PWR			(N12-175R-47)		
No	No	Yes	M	D2	R-48			D	M/D2-R-48								No	PWR			Final GALL W Tech Lead QA on 02-02-2015	
No	No	No	Yes	M	D2	RP-153	<a href="#">1.1.1.083</a>			M/D2-RP-153	3.1.1.083	Steam generator components: shell assembly	Steel	Secondary feedwater or steam	Loss of material due to general, pitting, crevice corrosion	AMP X/M2, "Water Chemistry," and AMP X/M2, "One-Time Inspection"	No	PWR	R-224	(N12-85R-224)	Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	No	M	D2	RP-162	<a href="#">1.1.1.072</a>		M	M/D2-RP-162	3.1.1.072	Steam generator tube bundle: upper and lower heads and associated supports and mounting hardware	Steel	Secondary feedwater or steam	Loss of material due to general, pitting, crevice corrosion, erosion	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry" (general, pitting, crevice corrosion only)	No	PWR	New Record in GALL 2	Final GALL W Tech Lead QA on 02-02-2015		
Yes	Yes	No	No	M	D2	RP-168	<a href="#">1.1.1.064</a>		N	M/D2-RP-168	3.1.1.064	Closure bolting	Steel, stainless steel	Ar - indoor uncontrolled	Loss of material due to general pitting, crevice corrosion, wear	AMP X/M2, "Bolting Integrity"	No	PWR				
Yes	No	No	No	M	D2	RP-185	<a href="#">1.1.1.025</a>	LR-ISO-2016-01	M	M/D2-RP-185	3.1.1.025	Tube-to-tube sheet welds	Nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/M2, "Water Chemistry," and AMP X/M2, "Steam Generators," in addition, a plant-specific program is to be implemented	Yes	PWR	R-35	(N12-45R-35)	Final GALL W Tech Lead QA on 02-02-2015	
No	No	No	Yes	M	D2	RP-233	<a href="#">1.1.1.077</a>			M/D2-RP-233	3.1.1.077	Tubes and sleeves	Nickel alloy	Secondary feedwater or steam	Loss of material due to fretting, wear	AMP X/M2, "Steam Generators," and AMP X/M2, "Water Chemistry"	No	PWR	R-49	(N12-185R-49)	Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	Yes	M	D2	RP-38	<a href="#">1.1.1.045</a>		E	M/D2-RP-38	3.1.1.045	Instrument penetrations and primary side nozzles, safe ends, welds	Steel (with nickel alloy cladding), nickel alloy	Reactor coolant	Cracking due to primary water SCC	AMP X/M2, "Water Chemistry," and AMP X/M2, "Steam Generators," in addition, a plant-specific program is to be implemented	No	PWR	R-01	(N12-25R-01)	Final GALL W Tech Lead QA on 02-02-2015	
No	No	No	Yes	M	D2	RP-48	<a href="#">1.1.1.067</a>			M/D2-RP-48	3.1.1.067	Closure bolting	Steel, stainless steel	Ar - indoor uncontrolled (atmosphere)	Loss of preload due to thermal effects, gasket creep, self-loosening	AMP X/M2, "Bolting Integrity"	No	PWR	R-32	(N12-65R-32)	Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	Yes	M	D2	RP-47	<a href="#">1.1.1.042</a>		E	M/D2-RP-47	3.1.1.042	Primary side components: upper and lower heads, and tube sheet welds	Steel (with stainless steel or nickel alloy cladding)	Reactor coolant	Cracking due to SCC, primary water SCC	AMP X/M2, "Water Chemistry," and AMP X/M2, "Steam Generators," in addition, a plant-specific program is to be implemented	No	PWR	R-35	(N12-45R-35)	Final GALL W Tech Lead QA on 02-02-2015	
Yes	Yes	No	No	M	E	R-444	<a href="#">1.1.1.114</a>		N	M/E-R-444	3.1.1.114	Reactor coolant system components: pressure boundary components, core support structure components, ASME Class 2 or 3 components, including associated pressure-containing welds and managed by other AMP line items in GALL-2/SLR Chapter IV	Any	Applicable internal or external environment	Cracking due to SCC, KSCC (stainless steel or nickel alloy components only), cyclic loading, loss of material due to general corrosion (steel only), pitting, crevice corrosion, erosion, wear	AMP X/M2, "Water Chemistry," and AMP X/M2, "Steam Generators," in addition, a plant-specific program is to be implemented	No	BWR/PWR			Final GALL W Tech Lead QA on 02-02-2015	
Yes	Yes	No	No	M	E	RP-63	<a href="#">1.1.1.137</a>		N	M/E-R-63	3.1.1.137	Piping, piping components	Copper alloy	Ar, condensation, air	None	None	No	BWR/PWR			Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	Yes	Yes	M	E	RP-63		D	M/E-R-63								No	PWR			Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	Yes	Yes	M	E	RP-64	<a href="#">1.1.1.075</a>		D	M/E-R-64	3.1.1.075	Piping, piping components	Stainless steel	Ar with borated water: water leakage	None	None	No	PWR			Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	Yes	M	E	RP-65	<a href="#">1.1.1.115</a>		E	M/E-R-65	3.1.1.115	Piping, piping components	Stainless steel	Ar with borated water: water leakage	None	None	No	PWR			Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	No	M	E	RP-68	<a href="#">1.1.1.115</a>		M	M/E-R-68	3.1.1.115	Piping, piping components	Stainless steel	Ar with borated water: water leakage	None	None	No	BWR/PWR			Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	Yes	M	E	RP-67	<a href="#">1.1.1.106</a>		E	M/E-R-67	3.1.1.106	Piping, piping components	Stainless steel	Gas	None	None	No	BWR/PWR			Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	No	M	E	RP-153	<a href="#">1.1.1.105</a>		M	M/E-R-153	3.1.1.105	Piping, piping components	Steel	Concrete	None	None	No	BWR/PWR	RP-01	(N12-65R-01)	Final GALL W Tech Lead QA on 02-02-2015	
Yes	No	No	Yes	M	E	RP-378	<a href="#">1.1.1.106</a>		E	M/E-R-378	3.1.1.106	Piping, piping components	Nickel alloy	Ar with borated water: water leakage	None	None	No	PWR	New Record in GALL 2	Final GALL W Tech Lead QA on 02-02-2015		
Yes	No	No	No	V	A	E-12	<a href="#">1.1.1.090</a>	LR-ISO-2011-01	M	VAE-12	3.1.1.020	Piping, piping components, tanks	Stainless steel, steel (with stainless steel or nickel alloy cladding)	Reactor coolant	Cracking due to SCC	AMP X/M2, "Water Chemistry," and AMP X/M2, "One-Time Inspection"	No	PWR			(VA-25E-12)	
No	No	No	No	V	A	E-20	<a href="#">1.1.1.019</a>	LR-ISO-2011-01	M	VAE-20	3.1.1.019	Heat exchanger tubes	Stainless steel	Treated: borated water	Reduction of heat transfer due to fouling	AMP X/M2, "Water Chemistry," and AMP X/M2, "One-Time Inspection"	No	PWR	EP-34	(VA-165E-34)	Previous identifier was VAE-24	
No	No	No	No	V	A	E-21	<a href="#">1.1.1.021</a>			VAE-21	3.1.1.021	Heat exchanger tubes	Stainless steel	Flow water	Reduction of heat transfer due to fouling	AMP X/M2, "Water Chemistry," and AMP X/M2, "One-Time Inspection"	No	PWR			(VA-155E-21)	
Yes	No	Yes	No	V	A	E-26		D	VAE-26								No	PWR				
Yes	No	Yes	No	V	A	E-28		D	VAE-28								No	PWR				
Yes	No	No	No	V	A	E-29	<a href="#">1.1.1.090</a>		M	VAE-29	3.1.1.044	Piping, piping components	Steel	Ar - indoor uncontrolled	Loss of material due to general, pitting, crevice corrosion	AMP X/M2, "Water Chemistry," and AMP X/M2, "Steam Generators," in addition, a plant-specific program is to be implemented	No	PWR			(VA-155E-29)	
Yes	No	No	No	V	A	E-403	<a href="#">1.1.1.090</a>	LR-ISO-2013-02	M	VAE-403	3.1.1.086	Piping, piping components, heat exchanger tubes with internal coatings/linings	Stainless steel	Treated: borated water	Loss of material due to general, pitting, crevice corrosion	AMP X/M2, "Water Chemistry," and AMP X/M2, "Steam Generators," in addition, a plant-specific program is to be implemented	No	PWR				
Yes	No	Yes	No	V	A	E-401	<a href="#">1.1.1.072</a>	LR-ISO-2013-01	M	VAE-401	3.1.1.072	Piping, piping components, heat exchanger tubes with internal coatings/linings	Stainless steel	Treated: borated water	Loss of material due to general, pitting, crevice corrosion	AMP X/M2, "Water Chemistry," and AMP X/M2, "Steam Generators," in addition, a plant-specific program is to be implemented	No	PWR				
Yes	No	Yes	No	V	A	E-403	<a href="#">1.1.1.090</a>	LR-ISO-2012-02	D	VAE-403								No	PWR			
Yes	No	No	No	V	A	E-404	<a href="#">1.1.1.090</a>	LR-ISO-2013-02	M	VAE-404	3.1.1.070	Tanks within the scope of AMP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel, stainless steel, aluminum	Treated: water, treated: borated water	Loss of material due to general pitting, crevice corrosion, MIC (steel, stainless steel only)	AMP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	PWR				
Yes	No	Yes	No	V	A	E-414	<a href="#">1.1.1.072</a>	LR-ISO-2012-02	M	VAE-414	3.1.1.073	Piping, piping components, heat exchanger tubes with internal coatings/linings	Any material with an internal coating/lining	Treated: borated water, lubricating oil	Loss of material due to general, pitting, crevice corrosion, MIC	AMP X/M2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	PWR				
Yes	No	No	No	V	A	E-415	<a href="#">1.1.1.072</a>	LR-ISO-2013-01	M	VAE-415	3.1.1.074	Piping, piping components with internal coatings/linings	Gray cast iron, ductile iron with internal coating/lining	Closed-cycle cooling water, treated: water, treated: borated water, treated: waste water	Loss of material due to selective leaching	AMP X/M2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	PWR				
Yes	Yes	No	No	V	A	E-421		D	VAE-421								No	PWR				
Yes	Yes	No	No	V	A	E-427	<a href="#">1.1.1.043</a>		N	VAE-427	3.1.1.043	Piping, piping components, heat exchanger components	Elastomer	Ar, condensation	Hardening or loss of strength due to elastomer degradation	AMP X/M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ductile Components"	No	PWR				
Yes	Yes	No	No	V	A	E-428	<a href="#">1.1.1.072</a>		N	VAE-428	3.1.1.022	Piping, piping components, heat exchanger components	Nickel alloy	Treated: water, treated: borated water	Loss of material due to pitting, crevice corrosion, MIC	AMP X/M2, "Water Chemistry," and AMP X/M2, "One-Time Inspection"	No	PWR				
Yes	No	No	No	V	A	E-43	<a href="#">1.1.1.033</a>		M	VAE-43	3.1.1.033	Motor cooler	Gray cast iron	Closed-cycle cooling water: treated water	Loss of material due to selective leaching	AMP X/M2, "Selective Leaching"	No	PWR			(VA-155E-43)	
Yes	No	No	No	V	A	E-434	<a href="#">1.1.1.090</a>		N	VAE-434	3.1.1.090	any	Steel	Treated: borated water, treated: waste water, treated: water	Long term loss of material due to general corrosion	AMP X/M2, "One-Time Inspection"	No	PWR				
Yes	Yes	Yes	No	V	A	E-435		D	VAE-435								No	PWR				
Yes	Yes	Yes	No	V	A	E-443a		D	VAE-443a													



Yes	Yes	No	No	V	A	E-440b	182.106		N	VAE-440b	3.2-1.100	Piping, piping components, tanks	Aluminum	Air, condensation (internal), raw water, waste water	Cracking due to SCC	AMP XIM22, "One-Time Inspection"	Yes	PWR			
Yes	Yes	No	No	V	A	E-442c	182.106		N	VAE-442c	3.2-1.100	Piping, piping components	Aluminum	Air, condensation (internal), raw water, waste water	Cracking due to SCC	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR			
Yes	Yes	No	No	V	A	E-444b	182.110		N	VAE-444b	3.2-1.100	Piping, piping components, tanks	Aluminum	Air, condensation (internal), raw water, waste water	Cracking due to SCC	AMP XIM42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR			
Yes	No	No	No	V	A	E-448	182.116		N	VAE-448	3.2-1.116	Heat exchanger tubes	Titanium	Reduced of heat transfer due to fouling	AMP XIM22, "One-Time Inspection"	No	PWR			Historian compiled file	
Yes	Yes	No	No	V	A	E-460	182.117		N	VAE-460	3.2-1.117	Heat exchanger tubes	Titanium	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP XIM26, "Closed Treated Water Systems"	No	PWR			Historian compiled file
Yes	No	No	No	V	A	E-477	182.123		N	VAE-477	3.2-1.123	Piping, piping components, tanks	Elastomer	Air	Loss of material due to wear	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			
Yes	Yes	No	No	V	A	E-478	182.130		N	VAE-478	3.2-1.130	Heat exchanger components	Steel	Lubricating oil	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM26, "Lubricating Oil Analysis," and AMP XIM22, "One-Time Inspection"	No	BWR/PWR			
Yes	Yes	No	No	V	A	E-474	182.131		N	VAE-474	3.2-1.131	Piping, piping components	Aluminum	Raw water	Loss of material due to fouling	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			
No	No	No	No	V	A	E-474	182.133		N	VAE-474	3.2-1.133	Heat exchanger tubes	Copper alloy	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP XIM26, "Closed Treated Water Systems"	No	PWR	EP-39		VA-116P-38) note
Yes	No	Yes	No	V	A	EP-103a	182.400		D	VAEP-103a	3.2-1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM22, "One-Time Inspection"	Yes	PWR		New Record in GALL 2	
Yes	No	No	No	V	A	EP-103b	182.400		D	VAEP-103b	3.2-1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM26, "External Surface Monitoring of Mechanical Components"	Yes	PWR		New Record in GALL 2	
Yes	No	No	No	V	A	EP-103c	182.400		D	VAEP-103c	3.2-1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR		New Record in GALL 2	
Yes	No	No	No	V	A	EP-103d	182.400		D	VAEP-103d	3.2-1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR		New Record in GALL 2	
Yes	No	No	No	V	A	EP-27	182.034		M	VAEP-27	3.2-1.034	Piping, piping components	Copper alloy (n15% 20 or n15% 40)	Closed-cycle cooling water, treated water	Loss of material due to selective leaching	AMP XIM26, "Selective Leaching"	No	PWR			VA-226P-27)
Yes	No	No	No	V	A	EP-37	182.034		M	VAEP-37	3.2-1.034	Heat exchanger components	Copper alloy (n15% 20 or n15% 40)	Closed-cycle cooling water, treated water	Loss of material due to selective leaching	AMP XIM26, "Selective Leaching"	No	PWR			VA-226P-37)
Yes	No	Yes	No	V	A	EP-3a	182.036		D	VAEP-3a	3.2-1.036	Piping, piping components, tanks	Aluminum	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP XIM22, "One-Time Inspection"	Yes	PWR			
Yes	No	No	No	V	A	EP-3b	182.036		M	VAEP-3b	3.2-1.036	Piping, piping components, tanks	Aluminum	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR			
Yes	No	No	No	V	A	EP-3a	182.038		M	VAEP-3a	3.2-1.038	Piping, piping components, tanks	Aluminum	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP XIM42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR			
Yes	No	No	No	V	A	EP-47	182.022		M	VAEP-47	3.2-1.022	Piping, piping components, heat exchanger components, tanks	Stainless steel	Treated, bottled water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM26, "Water Chemistry," and AMP XIM22, "One-Time Inspection"	No	PWR			VA-276P-41)
Yes	No	No	No	V	A	EP-42	182.046		M	VAEP-42	3.2-1.046	Heat exchanger components	Steel	Air - indoor uncontaminated	Loss of material due to general, pitting, crevice corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			VA-276P-42)
Yes	No	No	No	V	A	EP-43	182.047		M	VAEP-43	3.2-1.047	Heat exchanger components	Steel	Loss of material due to general, pitting, crevice corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			VA-276P-43)	
No	No	No	No	V	A	EP-75	182.051		M	VAEP-75	3.2-1.051	Heat exchanger tubes	Steel	Lubricating oil	Reduction of heat transfer due to fouling	AMP XIM26, "Lubricating Oil Analysis," and AMP XIM22, "One-Time Inspection"	No	PWR	EP-40		VA-175P-40)
Yes	No	No	No	V	A	EP-76	182.050		M	VAEP-76	3.2-1.050	Piping, piping components	Copper alloy	Lubricating oil	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM26, "Lubricating Oil Analysis," and AMP XIM22, "One-Time Inspection"	No	PWR	EP-40		VA-226P-40)
Yes	No	No	No	V	A	EP-77	182.049		M	VAEP-77	3.2-1.049	Piping, piping components	Steel	Lubricating oil	Loss of material due to general, pitting, crevice corrosion	AMP XIM26, "Lubricating Oil Analysis," and AMP XIM22, "One-Time Inspection"	No	PWR	EP-46		VA-226P-46)
No	No	No	No	V	A	EP-78	182.051		M	VAEP-78	3.2-1.051	Heat exchanger tubes	Copper alloy	Lubricating oil	Reduction of heat transfer due to fouling	AMP XIM26, "Lubricating Oil Analysis," and AMP XIM22, "One-Time Inspection"	No	PWR	EP-47		VA-126P-47)
No	No	No	No	V	A	EP-76	182.061		M	VAEP-76	3.2-1.061	Heat exchanger tubes	Stainless steel	Lubricating oil	Reduction of heat transfer due to fouling	AMP XIM26, "Lubricating Oil Analysis," and AMP XIM22, "One-Time Inspection"	No	PWR	EP-40		VA-146P-50)
Yes	No	No	No	V	A	EP-81a	182.046		M	VAEP-81a	3.2-1.048	Tanks	Stainless steel, steel alloy	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR	EP-53		VA-266P-53)
Yes	No	No	No	V	A	EP-81b	182.048		M	VAEP-81b	3.2-1.048	Piping, piping components, tanks	Stainless steel, steel alloy	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP XIM22, "One-Time Inspection"	Yes	PWR	EP-53		VA-266P-53)
Yes	No	No	No	V	A	EP-81c	182.048		M	VAEP-81c	3.2-1.048	Heat exchanger components	Stainless steel, steel alloy	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR	EP-53		VA-266P-53)
Yes	No	No	No	V	A	EP-81d	182.048		M	VAEP-81d	3.2-1.048	Piping, piping components, tanks	Stainless steel, steel alloy	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR	EP-53		VA-266P-53)
Yes	No	No	No	V	A	EP-50	182.023		M	VAEP-50	3.2-1.023	Heat exchanger components	Steel	Raw water	Loss of material due to general, pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP XIM40, "Open-Cycle Cooling Water System"	No	PWR	E-18		VA-105E-18)
Yes	No	No	No	V	A	EP-91	182.025		M	VAEP-91	3.2-1.025	Heat exchanger components	Stainless steel	Raw water	Loss of material due to pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP XIM20, "Open-Cycle Cooling Water System"	No	PWR	E-20		VA-85E-20)
Yes	No	No	No	V	A	EP-62	182.036		M	VAEP-62	3.2-1.030	Heat exchanger components	Steel	Closed-cycle cooling water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM26, "Closed Treated Water Systems"	No	PWR	E-17		VA-85E-17)
Yes	No	No	No	V	A	EP-83	182.031		M	VAEP-83	3.2-1.031	Heat exchanger components	Stainless steel	Closed-cycle cooling water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM26, "Closed Treated Water Systems"	No	PWR	E-19		VA-76E-19)
Yes	No	No	No	V	A	EP-84	182.032		M	VAEP-84	3.2-1.032	Heat exchanger components	Copper alloy	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM26, "Closed Treated Water Systems"	No	PWR	EP-13		VA-56P-13)
Yes	No	No	No	V	A	EP-95	182.031		M	VAEP-95	3.2-1.031	Piping, piping components	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM26, "Closed Treated Water Systems"	No	PWR	EP-33		VA-266P-33)
No	No	No	No	V	A	EP-96	182.033		M	VAEP-96	3.2-1.033	Heat exchanger tubes	Stainless steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP XIM26, "Closed Treated Water Systems"	No	PWR	EP-35		VA-136P-35)
Yes	No	No	No	V	A	EP-97	182.032		M	VAEP-97	3.2-1.032	Piping, piping components	Copper alloy	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM26, "Closed Treated Water Systems"	No	PWR	EP-36		VA-266P-36)
Yes	No	No	No	V	A	EP-98	182.048		M	VAEP-98	3.2-1.028	Piping, piping components	Stainless steel	Closed-cycle cooling water	Cracking due to SCC	AMP XIM26, "Closed Treated Water Systems"	No	PWR	EP-44		VA-246P-44)
Yes	No	No	No	V	B	E-25	182.044		M	VBE-25	3.2-1.044	Struct, ducting components	Steel	Air - indoor uncontaminated	Loss of material due to general, pitting, crevice corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			VB-105-25)
Yes	No	Yes	No	V	B	E-26	182.046		O	VBE-26	3.2-1.046	Piping, piping components	Steel	Condensation	Loss of material due to general, pitting, crevice corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	No	Yes	No	V	B	E-40	182.036		D	VBE-40	3.2-1.066	Piping, piping components, tanks	Metallic	Raw water, waste water	Loss of material due to recurring internal corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR			
Yes	No	No	No	V	B	E-401	182.072		M	VBE-401	3.2-1.072	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with internal coating/lining	Treated water, raw water	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, rusting, physical damage; loss of material or cracking for centrifugal coatings/linings	AMP XIM42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	No	Yes	No	V	B	E-403	182.072		O	VBE-403	3.2-1.073	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with internal coating/lining	Treated water, raw water, lubricating oil	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM26, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	No	Yes	No	V	B	E-414	182.073		O	VBE-414	3.2-1.073	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with internal coating/lining	Treated water, raw water, lubricating oil	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM26, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	No	No	No	V	B	E-415	182.074		M	VBE-415	3.2-1.074	Piping, piping components with internal coatings/linings	Only cast iron, ductile iron with internal coating/lining	Closed-cycle cooling water, raw water, treated water, waste water	Loss of material due to selective leaching	AMP XIM42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	Yes	No	No	V	B	E-427	182.043		N	VBE-427	3.2-1.043	Piping, piping components, tanks	Elastomer	Air, condensation (internal)	Hardening or loss of strength due to elastomer degradation	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	Yes	No	No	V	B	E-434	182.050		N	VBE-434	3.2-1.050	Any	Steel	Treated water, raw water	Long-term loss of material due to general corrosion	AMP XIM22, "One-Time Inspection"	No	BWR			
Yes	Yes	Yes	No	V	B	E-436	182.050		N	VBE-436	3.2-1.050	Any	Steel	Treated water, raw water	Long-term loss of material due to general corrosion	AMP XIM22, "One-Time Inspection"	No	BWR			
Yes	Yes	Yes	No	V	B	E-442a	182.105		D	VBE-442a	3.2-1.100	Piping, piping components, tanks	Aluminum	Air, condensation (internal), raw water, waste water	Cracking due to SCC	AMP XIM22, "One-Time Inspection"	Yes	BWR			
Yes	Yes	No	No	V	B	E-442b	182.105		N	VBE-442b	3.2-1.100	Piping, piping components, tanks	Aluminum	Air, condensation (internal), raw water, waste water	Cracking due to SCC	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR			
Yes	Yes	No	No	V	B	E-443a	182.100		N	VBE-443a	3.2-1.100	Piping, piping components, tanks	Aluminum	Air, condensation (internal), raw water, waste water	Cracking due to SCC	AMP XIM42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR			
Yes	Yes	No	No	V	B	E-447	182.114		N	VBE-447	3.2-1.114	Piping, piping components, tanks	Stainless steel, steel alloy	Treated water +60°C (n146°F)	Cracking due to SCC	AMP XIM42, "Water Chemistry," and AMP XIM22, "One-Time Inspection"	No	BWR			Historian supplement
Yes	Yes	No	No	V	B	E-448	182.122		N	VBE-448	3.2-1.123	Piping, piping components, tanks	Elastomer	Air	Loss of material due to wear	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	Yes	No	No	V	B	E-474	182.131		N	VBE-474	3.2-1.131	Piping, piping components, tanks	Aluminum	Raw water	Flow blockage due to fouling	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	No	Yes	No	V	B	EP-103a	182.400		D	VBEP-103a	3.2-1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM22, "One-Time Inspection"	Yes	BWR		New Record in GALL 2	
Yes	No	No	No	V	B	EP-103b	182.400		D	VBEP-103b	3.2-1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM26, "External Surface Monitoring of Mechanical Components"	Yes	BWR		New Record in GALL 2	
Yes	No	No	No	V	B	EP-103c	182.400		D	VBEP-103c	3.2-1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR		New Record in GALL 2	
Yes	No	No	No	V	B	EP-103d	182.400		D	VBEP-103d	3.2-1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR		New Record in GALL 2	
Yes	No	No	No	V	B	EP-107a	182.004		M	VBEP-107a	3.2-1.004	Piping, piping components	Stainless steel, steel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR		New Record in GALL 2	
Yes	No	No	No	V	B	EP-107b	182.004		D	VBEP-107b	3.2-1.004	Piping, piping components	Stainless steel, steel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM26, "External Surface Monitoring of Mechanical Components"	Yes	BWR		New Record in GALL 2	
Yes	No	Yes	No	V	B	EP-107c	182.004		D	VBEP-107c	3.2-1.004	Piping, piping components	Stainless steel, steel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM26, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR		New Record in GALL 2	
Yes	No	No	No	V	B	EP-107d	182.004		M	VBEP-107d	3.2-1.004	Piping, piping components	Stainless steel, steel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR		New Record in GALL 2	
Yes	No	No	No	V	B	EP-37	182.034		M	VBEP-37	3.2-1.034	Piping, piping components	Copper alloy (n15% 20 or n15% 40)	Closed-cycle cooling water, treated water	Loss of material due to selective leaching	AMP XIM26, "Selective Leaching"	No	BWR			VB-726P-27)
Yes	No	No	No	V	B	EP-37	182.036		M	VBEP-37	3.2-1.034	Heat exchanger components	Copper alloy (								



Yes	No	No	No	V	C	EP-107a	<a href="#">1.2.1.06a</a>	M	VCI-EP-107a	3.2.1.004	Piping, piping components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "One-Time Inspection"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	No	No	V	C	EP-107b	<a href="#">1.2.1.06b</a>	M	VCI-EP-107b	3.2.1.004	Piping, piping components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "External Surface Monitoring of Mechanical Components"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	Yes	No	V	C	EP-107c	<a href="#">1.2.1.06c</a>	M	VCI-EP-107c	3.2.1.004	Piping, piping components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWRPWR	New Record in GALL 2		
Yes	Yes	No	No	V	C	EP-42	<a href="#">1.2.1.082</a>	N	VCI-EP-42	3.2.1.045	Evaporation components	Steel	Air + indoor atmosphere	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM22, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			
Yes	Yes	No	No	V	C	EP-43	<a href="#">1.2.1.083</a>	N	VCI-EP-43	3.2.1.047	Evaporation components	Steel	Air with bottled water leakage	Loss of material due to general, pitting, crevice, and biotic acid corrosion	AMP XIM22, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			
Yes	No	No	No	V	C	EP-62	<a href="#">1.2.1.035</a>	M	VCI-EP-62	3.2.1.016	Piping, piping components	Steel	Treated water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM22, "Water Chemistry," and AMP XIM22, "One-Time Inspection"	No	BWRPWR	E-31		VC-46B-31)
Yes	No	No	No	V	C	EP-63	<a href="#">1.2.1.036</a>	M	VCI-EP-63	3.2.1.022	Piping, piping components	Stainless steel	Treated water, treated bottled water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM22, "Water Chemistry," and AMP XIM22, "One-Time Inspection"	No	BWRPWR	E-33		VC-46B-33)
Yes	No	No	No	V	C	EP-85	<a href="#">1.2.1.031</a>	M	VCI-EP-85	3.2.1.031	Piping, piping components	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion	AMP XIM21A, "Closed Treated Water Systems"	No	BWRPWR	EP-33		VC-36P-33)
Yes	No	No	No	V	C	EP-98	<a href="#">1.2.1.028</a>	M	VCI-EP-98	3.2.1.028	Piping, piping components	Stainless steel	Closed-cycle cooling water >60°C (>145°F)	Cracking due to SCC	AMP XIM21A, "Closed Treated Water Systems"	No	BWRPWR	EP-44		VC-36P-44)
Yes	No	No	No	V	C	EP-99	<a href="#">1.2.1.029</a>	M	VCI-EP-99	3.2.1.029	Piping, piping components	Steel	Closed-cycle cooling water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM21A, "Closed Treated Water Systems"	No	BWRPWR	EP-48		VC-36P-48)
Yes	No	Yes	No	V	D1	E-61	<a href="#">1.2.1.011</a>	D	VD1-E-61	3.2.1.011	Piping, piping components	Steel	Treated water	Wall thinning due to flow-accelerated corrosion	AMP XIM21, "Flow-Accelerated Corrosion"	No	BWR			
Yes	No	No	No	V	D1	E-12	<a href="#">1.2.1.008</a>	M	VD1-E-12	3.2.1.020	Piping, piping components, tanks	Stainless steel (with internal coating)	Treated bottled water >60°C (>145°F)	Cracking due to SCC	AMP XIM22, "Water Chemistry," and AMP XIM22, "One-Time Inspection"	No	PWR			VD1-318-12)
No	No	No	No	V	D1	E-13	<a href="#">1.2.1.051</a>	M	VD1-E-13	3.2.1.001	Piping, piping components	Stainless steel	Any	Cumulative fatigue damage due to vibration	T/LAA (BWR) SLR Section 4.3 "Metal Fatigue"	Yes	PWR			VD1-275B-13)
No	No	No	No	V	D1	E-20	<a href="#">1.2.1.019</a>	M	VD1-E-20	3.2.1.019	Heat exchanger tubes	Stainless steel	Treated bottled water	Reduction of heat transfer due to fouling	AMP XIM22, "Water Chemistry," and AMP XIM22, "One-Time Inspection"	No	PWR			
No	No	No	No	V	D1	E-21	<a href="#">1.2.1.021</a>	M	VD1-E-21	3.2.1.027	Heat exchanger tubes	Stainless steel	Flow water	Reduction of heat transfer due to fouling	AMP XIM22, "One-Time Cooling Water System"	No	PWR			VD1-118-21)
No	No	No	No	V	D1	E-24	<a href="#">1.2.1.005</a>	M	VD1-E-24	3.2.1.005	Office (mishandled recirculation water) (overhaul HPSP pumps are used for normal charging)	Stainless steel	Treated bottled water	Loss of material due to erosion	AMP XIM22, "One-Time Inspection"	No	PWR			VD1-146-24)
Yes	No	Yes	No	V	D1	E-24a	<a href="#">1.2.1.006</a>	D	VD1-E-24a	3.2.1.046	Piping, piping components	Steel	Condensation	Loss of material due to general, pitting, crevice corrosion	AMP XIM22, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			
Yes	No	Yes	No	V	D1	E-38	<a href="#">1.2.1.038</a>	D	VD1-E-38	3.2.1.066	Piping, piping components	Stainless steel	Raw water, waste water	Loss of material due to recurring internal corrosion, MIC	AMP XIM22, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR			
Yes	No	No	No	V	D1	E-401	<a href="#">1.2.1.072</a>	M	VD1-E-401	3.2.1.072	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with internal coating/lining	Treated bottled water	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, rusting, physical damage, loss of material or cracking for semi-conducting coatings/linings	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	PWR			
Yes	No	No	No	V	D1	E-402	<a href="#">1.2.1.068</a>	M	VD1-E-402	3.2.1.068	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel	Soil, concrete, air, condensation	Loss of material due to general, pitting, crevice corrosion, MIC (soil only)	AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	PWR			
Yes	No	Yes	No	V	D1	E-403	<a href="#">1.2.1.070</a>	D	VD1-E-403	3.2.1.070	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel, stainless steel, aluminum	Treated water, treated bottled water	Loss of material due to general (steel only), pitting, crevice corrosion, MIC (steel, stainless steel only)	AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	PWR			
Yes	No	No	No	V	D1	E-405	<a href="#">1.2.1.067</a>	M	VD1-E-405	3.2.1.067	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Soil, concrete	Cracking due to SCC	AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	PWR			
Yes	No	Yes	No	V	D1	E-406	<a href="#">1.2.1.073</a>	D	VD1-E-406	3.2.1.065	Piping, piping components	Stainless steel	Treated bottled water	Wall thinning due to erosion	AMP XIM21, "Flow-Accelerated Corrosion"	No	PWR			
Yes	No	No	No	V	D1	E-407	<a href="#">1.2.1.074</a>	M	VD1-E-407	3.2.1.074	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with internal coating/lining	Treated bottled water, laboratory oil	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	PWR			
Yes	No	No	No	V	D1	E-415	<a href="#">1.2.1.074</a>	M	VD1-E-415	3.2.1.074	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Gray cast iron, ductile iron with internal coating/lining	Closed-cycle cooling water, raw water, treated water, treated bottled water, waste water	Loss of material due to selective leaching	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	PWR			
Yes	Yes	Yes	No	V	D1	E-420	<a href="#">1.2.1.043</a>	D	VD1-E-420	3.2.1.043	Piping, piping components, heat exchangers	Elastomer	Air, condensation	Hardening or loss of strength due to elastomer degradation	AMP XIM22, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			
Yes	Yes	Yes	No	V	D1	E-421	<a href="#">1.2.1.044</a>	N	VD1-E-421	3.2.1.044	Piping, piping components, heat exchangers	Nickel alloy	Treated water, treated bottled water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM22, "Water Chemistry," and AMP XIM22, "One-Time Inspection"	No	PWR			
Yes	No	No	No	V	D1	E-428	<a href="#">1.2.1.039</a>	M	VD1-E-428	3.2.1.022	Piping, piping components, heat exchanger components	Motor cooler	Closed-cycle cooling water, treated water	Loss of material due to selective leaching	AMP XIM22, "Selective Leaching"	No	PWR			VD1-135C-43)
Yes	Yes	No	No	V	D1	E-434	<a href="#">1.2.1.090</a>	N	VD1-E-434	3.2.1.090	Any	Steel	Treated bottled water, treated water, raw water	Long term loss of material due to general corrosion	AMP XIM22, "One-Time Inspection"	No	PWR			
Yes	Yes	Yes	No	V	D1	E-435	<a href="#">1.2.1.098</a>	D	VD1-E-435	3.2.1.098	Piping, piping components, heat exchangers	Steel, stainless steel	Raw water	Loss of material due to general (steel only), pitting, crevice corrosion, MIC, biotic blockage due to fouling	AMP XIM22, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			
Yes	Yes	No	No	V	D1	E-441	<a href="#">1.2.1.085</a>	N	VD1-E-441	3.2.1.085	Piping, piping components	Copper alloy (>10% Zn or >6% Ni)	Soil	Loss of material due to selective leaching	AMP XIM22, "Selective Leaching"	No	PWR			
Yes	Yes	Yes	No	V	D1	E-443a	<a href="#">1.2.1.100</a>	D	VD1-E-443a	3.2.1.100	Piping, piping components, tanks	Aluminum	Air, condensation (internal), raw water, waste water	Cracking due to SCC	AMP XIM22, "One-Time Inspection"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-443c	<a href="#">1.2.1.100</a>	N	VD1-E-443c	3.2.1.100	Piping, piping components	Aluminum	Air, condensation (internal), raw water, waste water	Cracking due to SCC	AMP XIM22, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-443d	<a href="#">1.2.1.100</a>	N	VD1-E-443d	3.2.1.100	Piping, piping components, tanks	Aluminum	Air, condensation (internal), raw water, waste water	Cracking due to SCC	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-445a	<a href="#">1.2.1.102</a>	N	VD1-E-445a	3.2.1.102	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, soil, concrete, raw water, waste water	Cracking due to SCC	AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-445b	<a href="#">1.2.1.102</a>	N	VD1-E-445b	3.2.1.102	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, soil, concrete, raw water, waste water	Cracking due to SCC	AMP XIM22, "One-Time Inspection"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-445c	<a href="#">1.2.1.102</a>	N	VD1-E-445c	3.2.1.102	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, soil, concrete, raw water, waste water	Cracking due to SCC	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-446a	<a href="#">1.2.1.103</a>	N	VD1-E-446a	3.2.1.103	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-446b	<a href="#">1.2.1.103</a>	N	VD1-E-446b	3.2.1.103	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM22, "One-Time Inspection"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-446c	<a href="#">1.2.1.103</a>	N	VD1-E-446c	3.2.1.103	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-447	<a href="#">1.2.1.104</a>	N	VD1-E-447	3.2.1.104	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Soil, concrete	Loss of material due to pitting, crevice corrosion	AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	PWR			
Yes	Yes	No	No	V	D1	E-448a	<a href="#">1.2.1.105</a>	N	VD1-E-448a	3.2.1.105	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-448b	<a href="#">1.2.1.105</a>	N	VD1-E-448b	3.2.1.105	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "One-Time Inspection"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-448c	<a href="#">1.2.1.105</a>	N	VD1-E-448c	3.2.1.105	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-449a	<a href="#">1.2.1.106</a>	N	VD1-E-449a	3.2.1.106	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-449b	<a href="#">1.2.1.106</a>	N	VD1-E-449b	3.2.1.106	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "One-Time Inspection"	Yes	PWR			
Yes	Yes	No	No	V	D1	E-449c	<a href="#">1.2.1.106</a>	N	VD1-E-449c	3.2.1.106	Tanks within the scope of AMP XIM22, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR			
Yes	Yes	No	No	V	D1	EP-101	<a href="#">1.2.1.037</a>	D	VD1-EP-101	3.2.1.037	Piping, piping components	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM22, "One-Time Inspection"	Yes	PWR	New Record in GALL 2		
Yes	No	Yes	No	V	D1	EP-103a	<a href="#">1.2.1.007</a>	M	VD1-EP-103a	3.2.1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM22, "One-Time Inspection"	Yes	PWR	New Record in GALL 2		
Yes	No	No	No	V	D1	EP-103b	<a href="#">1.2.1.007</a>	M	VD1-EP-103b	3.2.1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM22, "External Surface Monitoring of Mechanical Components"	Yes	PWR	New Record in GALL 2		
Yes	No	No	No	V	D1	EP-103c	<a href="#">1.2.1.007</a>	M	VD1-EP-103c	3.2.1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM22, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR	New Record in GALL 2		
Yes	No	No	No	V	D1	EP-103d	<a href="#">1.2.1.007</a>	M	VD1-EP-103d	3.2.1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR	New Record in GALL 2		
Yes	No	No	No	V	D1	EP-107a	<a href="#">1.2.1.06a</a>	M	VD1-EP-107a	3.2.1.004	Piping, piping components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "One-Time Inspection"	Yes	PWR	New Record in GALL 2		
Yes	No	No	No	V	D1	EP-107b	<a href="#">1.2.1.06b</a>	M	VD1-EP-107b	3.2.1.004	Piping, piping components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "External Surface Monitoring of Mechanical Components"	Yes	PWR	New Record in GALL 2		
Yes	No	Yes	No	V	D1	EP-107c	<a href="#">1.2.1.06c</a>	M	VD1-EP-107c	3.2.1.004	Piping, piping components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM22, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR	New Record in GALL 2		



Yes	No	No	No	Y	D1	EP-1070	<a href="#">16.1.034</a>		M	V01-EP-1070	3.2.1.004	Piping, piping components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X1042, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR	New Record in GALL 2		
Yes	No	No	No	Y	D1	EP-32	<a href="#">16.1.034</a>		M	V01-EP-32	3.2.1.034	Piping, piping components	Copper alloy (≥15% Zn or ≥6% Al)	Closed-cycle cooling water, treated water	Loss of material due to selective leaching	AMP X1033, "Selective Leaching"	No	PWR		V01-190P-27)	
Yes	No	No	No	Y	D1	EP-37	<a href="#">16.1.034</a>		M	V01-EP-37	3.2.1.034	Heat exchanger components	Copper alloy (≥15% Zn or ≥6% Al)	Closed-cycle cooling water, treated water	Loss of material due to selective leaching	AMP X1033, "Selective Leaching"	No	PWR		V01-30P-37)	
Yes	No	Yes	No	Y	D1	EP-3a	<a href="#">16.1.034</a>		O	V01-EP-3a											
Yes	No	No	No	Y	D1	EP-3b	<a href="#">16.1.034</a>		M	V01-EP-3b	3.2.1.066	Piping, piping components, tanks	Aluminum	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X1032, "One-Time Inspection"	Yes	PWR			
Yes	No	No	No	Y	D1	EP-3c	<a href="#">16.1.034</a>		M	V01-EP-3c	3.2.1.066	Piping, piping components, tanks	Aluminum	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X1032, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR			
Yes	No	No	No	Y	D1	EP-3d	<a href="#">16.1.034</a>		M	V01-EP-3d	3.2.1.066	Piping, piping components, tanks	Aluminum	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X1032, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR			
Yes	No	No	No	Y	D1	EP-41	<a href="#">16.1.032</a>	LR-ISO-2011-01	M	V01-EP-41	3.2.1.022	Piping, piping components, heat exchanger components, tanks	Stainless steel	Treated boreal water	Loss of material due to pitting, crevice corrosion, MIC	AMP X1042, "Water Chemistry," and AMP X1032, "One-Time Inspection"	No	PWR		V01-30EP-41)	
Yes	Yes	No	No	Y	D1	EP-42	<a href="#">16.1.043</a>		N	V01-EP-42	3.2.1.045	Enapsulation components	Steel	Air - indoor uncontrolled	Loss of material due to general, pitting corrosion	AMP X1038, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			
Yes	Yes	No	No	Y	D1	EP-43	<a href="#">16.1.043</a>		N	V01-EP-43	3.2.1.047	Enapsulation components	Steel	Air with boreal water leakage	Loss of material due to general, pitting corrosion, MIC, and boreal acid corrosion	AMP X1038, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR			
Yes	No	Yes	No	Y	D1	EP-48	<a href="#">16.1.038</a>		O	V01-EP-48											
Yes	No	No	No	Y	D1	EP-52	<a href="#">16.1.038</a>		M	V01-EP-52	3.2.1.038	Piping, piping components	Gray cast iron, ductile iron	Closed-cycle cooling water, treated water	Loss of material due to selective leaching	AMP X1033, "Selective Leaching"	No	PWR		V01-20EP-52)	
Yes	No	No	No	Y	D1	EP-54	<a href="#">16.1.035</a>		M	V01-EP-54	3.2.1.037	Piping, piping components	Gray cast iron, ductile iron	Soil	Loss of material due to selective leaching	AMP X1033, "Selective Leaching"	No	PWR		V01-21EP-54)	
Yes	No	No	No	Y	D1	EP-55	<a href="#">16.1.035</a>		M	V01-EP-55	3.2.1.024	Piping, piping components	Stainless steel	Raw water	Loss of material due to pitting, crevice corrosion, MIC, flow blockage due to buildup	AMP X1030, "Open-Cycle Cooling Water System"	No	PWR		V01-26EP-55)	
No	No	No	No	Y	D1	EP-75	<a href="#">16.1.051</a>		M	V01-EP-75	3.2.1.051	Heat exchanger tubes	Steel	Lubricating oil	Reduction of heat transfer due to fouling	AMP X1035, "Lubricating Oil Analysis," and AMP X1032, "One-Time Inspection"	No	PWR		EP-40	V01-120P-40)
Yes	No	No	No	Y	D1	EP-76	<a href="#">16.1.051</a>		M	V01-EP-76	3.2.1.050	Piping, piping components	Copper alloy	Lubricating oil	Loss of material due to pitting, crevice corrosion, MIC	AMP X1035, "Lubricating Oil Analysis," and AMP X1032, "One-Time Inspection"	No	PWR		EP-45	V01-190P-45)
Yes	No	No	No	Y	D1	EP-77	<a href="#">16.1.049</a>		M	V01-EP-77	3.2.1.049	Piping, piping components	Steel	Lubricating oil	Loss of material due to general, pitting corrosion, MIC	AMP X1035, "Lubricating Oil Analysis," and AMP X1032, "One-Time Inspection"	No	PWR		EP-46	V01-26P-46)
No	No	No	No	Y	D1	EP-78	<a href="#">16.1.051</a>		M	V01-EP-78	3.2.1.051	Heat exchanger tubes	Copper alloy	Lubricating oil	Reduction of heat transfer due to fouling	AMP X1035, "Lubricating Oil Analysis," and AMP X1032, "One-Time Inspection"	No	PWR		EP-47	V01-80P-47)
Yes	No	No	No	Y	D1	EP-79	<a href="#">16.1.051</a>		M	V01-EP-79	3.2.1.051	Heat exchanger tubes	Stainless steel	Lubricating oil	Reduction of heat transfer due to fouling	AMP X1035, "Lubricating Oil Analysis," and AMP X1032, "One-Time Inspection"	No	PWR		EP-50	V01-100P-50)
Yes	No	No	No	Y	D1	EP-80	<a href="#">16.1.050</a>		M	V01-EP-80	3.2.1.050	Piping, piping components	Stainless steel	Lubricating oil	Loss of material due to pitting, crevice corrosion, MIC	AMP X1035, "Lubricating Oil Analysis," and AMP X1032, "One-Time Inspection"	No	PWR		EP-51	V01-24EP-51)
Yes	No	No	No	Y	D1	EP-87a	<a href="#">16.1.048</a>		M	V01-EP-87a	3.2.1.048	Stainless steel, nickel alloy	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X1042, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR		EP-53	V01-26EP-53)	
Yes	No	No	No	Y	D1	EP-87b	<a href="#">16.1.048</a>		M	V01-EP-87b	3.2.1.048	Piping, piping components, tanks	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X1042, "One-Time Inspection"	Yes	PWR		EP-53	V01-26EP-53)	
Yes	No	No	No	Y	D1	EP-87c	<a href="#">16.1.048</a>		M	V01-EP-87c	3.2.1.048	Piping, piping components, tanks	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X1042, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR		EP-53	V01-26EP-53)	
Yes	No	No	No	Y	D1	EP-87d	<a href="#">16.1.048</a>		M	V01-EP-87d	3.2.1.048	Piping, piping components, tanks	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X1042, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR		EP-53	V01-26EP-53)	
Yes	No	No	No	Y	D1	EP-87e	<a href="#">16.1.048</a>		M	V01-EP-87e	3.2.1.048	Piping, piping components, tanks	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X1042, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR		EP-53	V01-26EP-53)	
Yes	No	No	No	Y	D1	EP-90	<a href="#">16.1.037</a>		M	V01-EP-90	3.2.1.023	Heat exchanger components	Steel	Raw water	Loss of material due to general, pitting corrosion, MIC, flow blockage due to fouling	AMP X1030, "Open-Cycle Cooling Water System"	No	PWR		E-18	V01-75P-18)
Yes	No	No	No	Y	D1	EP-91	<a href="#">16.1.036</a>		M	V01-EP-91	3.2.1.025	Heat exchanger components	Stainless steel	Raw water	Loss of material due to pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP X1030, "Open-Cycle Cooling Water System"	No	PWR		E-20	V01-66P-20)
Yes	No	No	No	Y	D1	EP-92	<a href="#">16.1.036</a>		M	V01-EP-92	3.2.1.030	Heat exchanger components	Steel	Closed-cycle cooling water	Loss of material due to general, pitting corrosion, MIC	AMP X1021A, "Closed Treated Water Systems"	No	PWR		E-27	V01-65P-27)
Yes	No	No	No	Y	D1	EP-93	<a href="#">16.1.034</a>		M	V01-EP-93	3.2.1.031	Heat exchanger components	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP X1021A, "Closed Treated Water Systems"	No	PWR		E-19	V01-40P-19)
Yes	No	No	No	Y	D1	EP-94	<a href="#">16.1.034</a>		M	V01-EP-94	3.2.1.032	Heat exchanger components	Copper alloy	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP X1021A, "Closed Treated Water Systems"	No	PWR		EP-13	V01-26P-13)
Yes	No	No	No	Y	D1	EP-95	<a href="#">16.1.031</a>		M	V01-EP-95	3.2.1.031	Heat exchanger components	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP X1021A, "Closed Treated Water Systems"	No	PWR		EP-33	V01-220P-33)
No	No	No	No	Y	D1	EP-96	<a href="#">16.1.033</a>		M	V01-EP-96	3.2.1.033	Piping, piping components	Stainless steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X1021A, "Closed Treated Water Systems"	No	PWR		EP-35	V01-190P-35)
Yes	No	No	No	Y	D1	EP-97	<a href="#">16.1.032</a>		M	V01-EP-97	3.2.1.032	Piping, piping components	Copper alloy	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP X1021A, "Closed Treated Water Systems"	No	PWR		EP-36	V01-170P-36)
Yes	No	No	No	Y	D1	EP-98	<a href="#">16.1.024</a>		M	V01-EP-98	3.2.1.028	Piping, piping components	Stainless steel	Closed-cycle cooling water +82°C (≥167°F)	Cracking due to SCC	AMP X1021A, "Closed Treated Water Systems"	No	PWR		EP-44	V01-230P-44)
Yes	No	No	No	Y	D2	E-07	<a href="#">16.1.011</a>		M	V02-E-07	3.2.1.011	Piping, piping components	Steel	Steam	Wall thinning due to flow-accelerated corrosion	AMP X1017, "Flow-Accelerated Corrosion"	No	BWR		V02-31P-07)	
Yes	No	No	No	Y	D2	E-09	<a href="#">16.1.011</a>		M	V02-E-09	3.2.1.011	Piping, piping components	Steel	Treated water	Wall thinning due to flow-accelerated corrosion	AMP X1017, "Flow-Accelerated Corrosion"	No	BWR		V02-34P-09)	
Yes	No	No	No	Y	D2	E-10	<a href="#">16.1.011</a>		M	V02-E-10	3.2.1.011	Piping, piping components	Steel	Any	Curvilinear fatigue damage due to stress	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes	BWR		V02-30P-10)	
Yes	No	No	No	Y	D2	E-11	<a href="#">16.1.010</a>		M	V02-E-11	3.2.1.010	Piping, piping components	Cast austenitic stainless steel	Treated water	Loss of fracture toughness due to thermal aging embrittlement	AMP X1012, "Thermal Aging Embrittlement of Cast Austenitic Stainless Steel (CASS)"	No	BWR		V02-20P-11)	
Yes	No	No	No	Y	D2	E-21	<a href="#">16.1.027</a>		M	V02-E-21	3.2.1.027	Heat exchanger tubes	Stainless steel	Raw water	Reduction of heat transfer due to fouling	AMP X1030, "Open-Cycle Cooling Water System"	No	BWR		V02-10P-21)	
No	No	No	No	Y	D2	E-23	<a href="#">16.1.022</a>		M	V02-E-23	3.2.1.027	Heat exchanger tubes	Steel	Raw water	Reduction of heat transfer due to fouling	AMP X1030, "Open-Cycle Cooling Water System"	No	BWR		V02-15P-23)	
No	No	Yes	No	Y	D2	E-26	<a href="#">16.1.026</a>		O	V02-E-26											
Yes	No	No	No	Y	D2	E-27	<a href="#">16.1.026</a>		M	V02-E-27	3.2.1.040	Piping, piping components	Steel	Condensation	Loss of material due to general, pitting corrosion	AMP X1038, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR		V02-17P-27)	
Yes	No	No	No	Y	D2	E-29	<a href="#">16.1.044</a>		M	V02-E-29	3.2.1.044	Piping, piping components	Steel	Air - indoor uncontrolled	Loss of material due to general, pitting corrosion	AMP X1038, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR		V02-16P-29)	
Yes	No	No	No	Y	D2	E-37	<a href="#">16.1.034</a>		M	V02-E-37	3.2.1.054	Piping, piping components, greater than or equal to 4" NPS	Stainless steel, nickel alloy	Treated water +82°C (≥167°F)	Cracking due to SCC, SSCC	AMP X101, "Weld Stress Corrosion Cracking," and AMP X102, "Water Chemistry"	No	BWR		V02-29P-37)	
Yes	No	No	No	Y	D2	E-400	<a href="#">16.1.036</a>	LR-ISO-2012-02	N	V02-E-400	3.2.1.060	Piping, piping components, tanks	Metallic	Raw water, waste water	Loss of material due to recurring internal corrosion	AMP X1038, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR			
Yes	No	No	No	Y	D2	E-401	<a href="#">16.1.072</a>	LR-ISO-2012-01	M	V02-E-401	3.2.1.072	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with an internal coating/lining	Treated water	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, rusting, physical damage, loss of material or cracking for laminated coatings/linings	AMP X1042, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	No	No	No	Y	D2	E-402	<a href="#">16.1.038</a>	LR-ISO-2012-02	M	V02-E-402	3.2.1.068	Tanks within the scope of AMP X1042, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel	Soil, concrete, air, condensation	Loss of material due to general, pitting corrosion, MIC, post-only	AMP X1042, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	BWR			
Yes	No	Yes	No	Y	D2	E-403	<a href="#">16.1.029</a>	LR-ISO-2012-02	O	V02-E-403											
Yes	No	No	No	Y	D2	E-404	<a href="#">16.1.070</a>	LR-ISO-2012-02	M	V02-E-404	3.2.1.070	Tanks within the scope of AMP X1042, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel, stainless steel, aluminum	Treated water, boreal treated water	Loss of material due to general (post-only), pitting, crevice corrosion, MIC (post, stainless steel only)	AMP X1042, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	BWR			
Yes	No	No	No	Y	D2	E-405	<a href="#">16.1.087</a>	LR-ISO-2012-02	M	V02-E-405	3.2.1.067	Tanks within the scope of AMP X1042, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Soil, concrete	Cracking due to SCC	AMP X1042, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	BWR			
Yes	No	Yes	No	Y	D2	E-406	<a href="#">16.1.036</a>	LR-ISO-2012-02	O	V02-E-406											
Yes	No	No	No	Y	D2	E-408	<a href="#">16.1.038</a>	LR-ISO-2012-01	M	V02-E-408	3.2.1.065	Piping, piping components	Metallic	Treated water	Wall thinning due to erosion	AMP X1017, "Flow-Accelerated Corrosion"	No	BWR			
Yes	No	No	No	Y	D2	E-414	<a href="#">16.1.072</a>	LR-ISO-2013-01	M	V02-E-414	3.2.1.073	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with an internal coating/lining	Treated water, lubricating oil	Loss of material due to general, pitting corrosion, MIC	AMP X1042, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	No	No	No	Y	D2	E-416	<a href="#">16.1.014</a>	LR-ISO-2013-01	M	V02-E-416	3.2.1.074	Piping, piping components with internal coatings/linings	Gray cast iron, ductile iron with internal coatings/linings	Closed-cycle cooling water, raw water, treated water, waste water	Loss of material due to selective leaching	AMP X1042, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	Yes	Yes	No	Y	D2	E-420	<a href="#">16.1.027</a>		O	V02-E-420											
Yes	Yes	Yes	No	Y	D2	E-421	<a href="#">16.1.027</a>		O	V02-E-421											
Yes	Yes	No	No	Y	D2	E-427	<a href="#">16.1.044</a>		N	V02-E-427	3.2.1.043	Piping, piping components, tanks	Elastomer	Air, condensation	Hardening or loss of strength due to aging	AMP X1038, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	Yes	No	No	Y	D2	E-428	<a href="#">16.1.022</a>		N	V02-E-428	3.2.1.022	Piping, piping components, heat exchanger components	Nickel alloy	Treated water	Loss of material due to pitting, crevice corrosion, MIC	AMP X1042, "Water Chemistry," and AMP X1032, "One-Time Inspection"	No	BWR			
Yes	Yes	No	No	Y	D2	E-434	<a href="#">16.1.035</a>		N	V02-E-434	3.2.1.030	Any	Steel	Treated water, raw water	Long-term loss of material due to general corrosion	AMP X1032, "One-Time Inspection"	No	BWR			
Yes	Yes	Yes	No	Y	D2	E-435	<a href="#">16.1.038</a>		O	V02-E-435											
Yes	Yes	No	No	Y	D2	E-440	<a href="#">16.1.036</a>		N	V02-E-440	3.2.1.036	Piping, piping components, for components not covered by NRC CG 89-11	Steel, stainless steel	Raw water	Loss of material due to general (post-only), pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP X1038, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	Yes	No	No	Y	D2	E-441	<a href="#">16.1.034</a>		N	V02-E-441	3.2.1.038	Piping, piping components	Copper alloy (≥15% Zn or ≥6% Al)	Soil	Loss of material due to selective leaching	AMP X1033, "Selective Leaching"	No	BWR			
Yes	Yes	Yes	No	Y	D2	E-443a	<a href="#">16.1.100</a>		O	V02-E-443a											
Yes	No	No	No	Y	D2	E-443b	<a href="#">16.1.100</a>		N	V02-E-443b	3.2.1.100	P									



Yes	Yes	No	No	V	D2	E-446b	<a href="#">18.1.106</a>		N	V02-E-446b	3.2.1.106	Tanks within the scope of AMP X.M2S, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "One-Time Inspection"	Yes	BWR				
Yes	Yes	No	No	V	D2	E-446b	<a href="#">18.1.106</a>		N	V02-E-446b	3.2.1.106	Tanks within the scope of AMP X.M2S, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR				
Yes	Yes	No	No	V	D2	E-457	<a href="#">18.1.114</a>		N	V02-E-457	3.2.1.114	Piping, piping components, tanks	Stainless steel, austenitic	Treated water >60°C (>140°F)	Cracking due to SCC	AMP X.M2S, "Water Chemistry," and AMP X.M2S, "One-Time Inspection"	No	BWR				Helicon supplement
Yes	Yes	No	No	V	D2	E-458	<a href="#">18.1.115</a>		N	V02-E-458	3.2.1.115	Heat exchanger tubes	Titanium	Treated water	Reduction of heat transfer due to fouling	AMP X.M2S, "Water Chemistry," and AMP X.M2S, "One-Time Inspection"	No	BWR				Helicon compiled file
Yes	Yes	No	No	V	D2	E-460	<a href="#">18.1.112</a>		N	V02-E-460	3.2.1.117	Heat exchanger tubes	Titanium	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M2S, "Closed Treated Water Systems"	No	BWR				Helicon compiled file
Yes	Yes	No	No	V	D2	E-466	<a href="#">18.1.123</a>		N	V02-E-466	3.2.1.123	Piping, piping components, tanks	Elastomer	Air	Loss of material due to wear	AMP X.M2S, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR				
Yes	Yes	No	No	V	D2	E-472	<a href="#">18.1.120</a>		N	V02-E-472	3.2.1.120	Tanks	Steel, concrete	Loss of material due to pitting, crevice corrosion, MC, soil and oil	AMP X.M2S, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	BWR/PWR					
Yes	Yes	No	No	V	D2	E-473	<a href="#">18.1.120</a>		N	V02-E-473	3.2.1.130	Heat exchanger components	Steel	Lubricating oil	Loss of material due to general, pitting, crevice corrosion, MC	AMP X.M2S, "Lubricating Oil Analysis," and AMP X.M2S, "One-Time Inspection"	No	BWR/PWR				
Yes	Yes	No	No	V	D2	E-474	<a href="#">18.1.121</a>		N	V02-E-474	3.2.1.131	Piping, piping components, tanks	Aluminum	Raw water	Flow blockage due to fouling	AMP X.M2S, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR				
Yes	No	Yes	No	V	D2	EP-103a	<a href="#">18.1.067</a>		D	V02-EP-103a	3.2.1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M2S, "One-Time Inspection"	Yes	BWR	New Record in GALL 2			
Yes	No	No	No	V	D2	EP-103b	<a href="#">18.1.067</a>		M	V02-EP-103b	3.2.1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M2S, "External Surfaces Monitoring of Mechanical Components"	Yes	BWR	New Record in GALL 2			
Yes	No	No	No	V	D2	EP-103c	<a href="#">18.1.067</a>		M	V02-EP-103c	3.2.1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M2S, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR	New Record in GALL 2			
Yes	No	No	No	V	D2	EP-103d	<a href="#">18.1.067</a>		M	V02-EP-103d	3.2.1.007	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M2S, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR	New Record in GALL 2			
Yes	No	No	No	V	D2	EP-107a	<a href="#">18.1.066</a>		M	V02-EP-107a	3.2.1.004	Piping, piping components, tanks	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "One-Time Inspection"	Yes	BWR	New Record in GALL 2			
Yes	No	No	No	V	D2	EP-107b	<a href="#">18.1.066</a>		M	V02-EP-107b	3.2.1.004	Piping, piping components, tanks	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "External Surfaces Monitoring of Mechanical Components"	Yes	BWR	New Record in GALL 2			
Yes	No	Yes	No	V	D2	EP-107c	<a href="#">18.1.066</a>		D	V02-EP-107c	3.2.1.004	Piping, piping components, tanks	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR	New Record in GALL 2			
Yes	No	No	No	V	D2	EP-113a	<a href="#">18.1.066</a>		M	V02-EP-113a	3.2.1.006	Drywell and suppression chamber spray system (internal surfaces) flow orifices, spray nozzles	Steel	Air – indoor uncontaminated	Loss of material due to general corrosion, flow blockage due to fouling	AMP X.M2S, "One-Time Inspection"	Yes	BWR	E-04	V02-15E-04)		
Yes	No	No	No	V	D2	EP-113b	<a href="#">18.1.066</a>		M	V02-EP-113b	3.2.1.006	Drywell and suppression chamber spray system (internal surfaces) flow orifices, spray nozzles	Steel	Air – indoor uncontaminated	Loss of material due to general corrosion, flow blockage due to fouling	AMP X.M2S, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR	E-04	V02-15E-04)		
Yes	No	No	No	V	D2	EP-27	<a href="#">18.1.034</a>		M	V02-EP-27	3.2.1.034	Piping, piping components, tanks	Copper alloy (>15% Zn or >6% Sn)	Closed-cycle cooling water, treated water	Loss of material due to selective leaching	AMP X.M2S, "Selective Leaching"	No	BWR			V02-23EP-27)	
Yes	No	No	No	V	D2	EP-37	<a href="#">18.1.035</a>		M	V02-EP-37	3.2.1.034	Heat exchanger components	Steel	Closed-cycle cooling water, treated water	Loss of material due to selective leaching	AMP X.M2S, "Selective Leaching"	No	BWR			V02-48P-37)	
Yes	No	Yes	No	V	D2	EP-3a	<a href="#">18.1.036</a>		D	V02-EP-3a	3.2.1.056	Piping, piping components, tanks	Aluminum	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "One-Time Inspection"	Yes	BWR				
Yes	No	No	No	V	D2	EP-3c	<a href="#">18.1.036</a>		M	V02-EP-3c	3.2.1.056	Piping, piping components, tanks	Aluminum	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR				
Yes	No	No	No	V	D2	EP-3d	<a href="#">18.1.036</a>		M	V02-EP-3d	3.2.1.056	Piping, piping components, tanks	Aluminum	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR				
Yes	No	No	No	V	D2	EP-64	<a href="#">18.1.040</a>		M	V02-EP-64	3.2.1.037	Piping, piping components, tanks	Gray cast iron, ductile iron	Soil	Loss of material due to selective leaching	AMP X.M2S, "Selective Leaching"	No	BWR	E-08	V02-24EP-54)		
Yes	No	No	No	V	D2	EP-67a	<a href="#">18.1.038</a>		M	V02-EP-67a	3.2.1.016	Tanks	Treated water	Loss of material due to general, pitting, crevice corrosion, MC	AMP X.M2S, "Water Chemistry," and AMP X.M2S, "One-Time Inspection"	No	BWR	E-08	V02-33E-08)			
Yes	No	No	No	V	D2	EP-67b	<a href="#">18.1.038</a>		M	V02-EP-67b	3.2.1.048	Tanks	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWR	E-14	V02-35E-14)			
Yes	No	No	No	V	D2	EP-67c	<a href="#">18.1.038</a>		M	V02-EP-67c	3.2.1.048	Piping, piping components, tanks	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "One-Time Inspection"	Yes	BWR	E-14	V02-35E-14)			
Yes	No	No	No	V	D2	EP-67d	<a href="#">18.1.038</a>		M	V02-EP-67d	3.2.1.048	Piping, piping components, tanks	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR	E-14	V02-35E-14)			
Yes	No	No	No	V	D2	EP-67e	<a href="#">18.1.038</a>		M	V02-EP-67e	3.2.1.048	Piping, piping components, tanks	Air, condensation (internal)	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR	E-14	V02-35E-14)			
Yes	No	No	No	V	D2	EP-71	<a href="#">18.1.032</a>		M	V02-EP-71	3.2.1.017	Piping, piping components, tanks	Aluminum	Treated water	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "Water Chemistry," and AMP X.M2S, "One-Time Inspection"	No	BWR	EP-26	V02-19EP-26)		
Yes	No	Yes	No	V	D2	EP-72	<a href="#">18.1.032</a>		D	V02-EP-72	3.2.1.022	Piping, piping components, heat exchanger components	Stainless steel	Treated water	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "Water Chemistry," and AMP X.M2S, "One-Time Inspection"	No	BWR	EP-32	V02-28EP-32)		
Yes	No	No	No	V	D2	EP-73	<a href="#">18.1.032</a>		M	V02-EP-73	3.2.1.022	Piping, piping components, heat exchanger components	Stainless steel	Treated water	Loss of material due to pitting, crevice corrosion	AMP X.M2S, "Water Chemistry," and AMP X.M2S, "One-Time Inspection"	No	BWR	EP-32	V02-28EP-32)		
No	No	No	No	V	D2	EP-74	<a href="#">18.1.033</a>		M	V02-EP-74	3.2.1.019	Heat exchanger tubes	Stainless steel	Treated water	Reduction of heat transfer due to fouling	AMP X.M2S, "Water Chemistry," and AMP X.M2S, "One-Time Inspection"	No	BWR	EP-34	V02-13EP-34)		
No	No	No	No	V	D2	EP-75	<a href="#">18.1.031</a>		M	V02-EP-75	3.2.1.051	Heat exchanger tubes	Steel	Lubricating oil	Reduction of heat transfer due to fouling	AMP X.M2S, "Lubricating Oil Analysis," and AMP X.M2S, "One-Time Inspection"	No	BWR	EP-40	V02-14EP-40)		
Yes	No	No	No	V	D2	EP-76	<a href="#">18.1.038</a>		M	V02-EP-76	3.2.1.050	Piping, piping components, tanks	Copper alloy	Lubricating oil	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2S, "Lubricating Oil Analysis," and AMP X.M2S, "One-Time Inspection"	No	BWR	EP-45	V02-22EP-45)		
Yes	No	No	No	V	D2	EP-77	<a href="#">18.1.032</a>		M	V02-EP-77	3.2.1.049	Piping, piping components, tanks	Steel	Lubricating oil	Loss of material due to general, pitting, crevice corrosion, MC	AMP X.M2S, "Lubricating Oil Analysis," and AMP X.M2S, "One-Time Inspection"	No	BWR	EP-48	V02-30EP-48)		
No	No	No	No	V	D2	EP-78	<a href="#">18.1.031</a>		M	V02-EP-78	3.2.1.051	Heat exchanger tubes	Copper alloy	Lubricating oil	Reduction of heat transfer due to fouling	AMP X.M2S, "Lubricating Oil Analysis," and AMP X.M2S, "One-Time Inspection"	No	BWR	EP-47	V02-8EP-47)		
No	No	No	No	V	D2	EP-79	<a href="#">18.1.051</a>		M	V02-EP-79	3.2.1.051	Heat exchanger tubes	Stainless steel	Lubricating oil	Reduction of heat transfer due to fouling	AMP X.M2S, "Lubricating Oil Analysis," and AMP X.M2S, "One-Time Inspection"	No	BWR	EP-50	V02-11EP-50)		
Yes	No	No	No	V	D2	EP-96	<a href="#">18.1.034</a>		M	V02-EP-96	3.2.1.023	Heat exchanger components	Steel	Raw water	Loss of material due to general, pitting, crevice corrosion, MC, flow blockage due to fouling	AMP X.M2S, "Open-Cycle Cooling Water System"	No	BWR	E-18	V02-46E-18)		
Yes	No	No	No	V	D2	EP-91	<a href="#">18.1.036</a>		M	V02-EP-91	3.2.1.025	Heat exchanger components	Stainless steel	Raw water	Loss of material due to pitting, crevice corrosion, MC, flow blockage due to fouling	AMP X.M2S, "Open-Cycle Cooling Water System"	No	BWR	E-20	V02-66E-20)		
Yes	No	No	No	V	D2	EP-92	<a href="#">18.1.036</a>		M	V02-EP-92	3.2.1.030	Heat exchanger components	Steel	Closed-cycle cooling water	Loss of material due to general, pitting, crevice corrosion, MC	AMP X.M2S, "Closed Treated Water Systems"	No	BWR	E-17	V02-75E-17)		
Yes	No	No	No	V	D2	EP-93	<a href="#">18.1.031</a>		M	V02-EP-93	3.2.1.031	Heat exchanger components	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2S, "Closed Treated Water Systems"	No	BWR	E-19	V02-56E-19)		
Yes	No	No	No	V	D2	EP-94	<a href="#">18.1.032</a>		M	V02-EP-94	3.2.1.032	Heat exchanger components	Copper alloy	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2S, "Closed Treated Water Systems"	No	BWR	EP-13	V02-38EP-13)		
Yes	No	No	No	V	D2	EP-95	<a href="#">18.1.031</a>		M	V02-EP-95	3.2.1.031	Heat exchanger components	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2S, "Closed Treated Water Systems"	No	BWR	EP-33	V02-29EP-33)		
No	No	No	No	V	D2	EP-96	<a href="#">18.1.033</a>		M	V02-EP-96	3.2.1.033	Heat exchanger tubes	Stainless steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M2S, "Closed Treated Water Systems"	No	BWR	EP-35	V02-10EP-35)		
Yes	No	No	No	V	D2	EP-97	<a href="#">18.1.034</a>		M	V02-EP-97	3.2.1.032	Piping, piping components	Copper alloy	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2S, "Closed Treated Water Systems"	No	BWR	EP-36	V02-21EP-36)		
Yes	No	No	No	V	D2	EP-98	<a href="#">18.1.035</a>		M	V02-EP-98	3.2.1.028	Piping, piping components	Stainless steel	Closed-cycle cooling water >60°C (>140°F)	Cracking due to SCC	AMP X.M2S, "Closed Treated Water Systems"	No	BWR	EP-44	V02-26EP-44)		
Yes	No	No	No	V	E	E-02	<a href="#">18.1.034</a>		M	VE-E-02	3.2.1.014	Closure bolting	Steel, stainless steel, nickel alloy	Air – indoor uncontaminated, air – outdoor, condensation	Loss of material due to general pitting only, pitting, crevice corrosion	AMP X.M2S, "Bolting Integrity"	No	BWR/PWR			VE-6E-02)	
Yes	No	No	No	V	E	E-03	<a href="#">18.1.034</a>		M	VE-E-03	3.2.1.012	Closure bolting	High-strength steel	Air, soil, underground	Cracking due to SCC, cyclic loading	AMP X.M2S, "Bolting Integrity"	No	BWR/PWR			VE-3E-03)	
No	No	No	No	V	E	E-28	<a href="#">18.1.009</a>		M	VE-E-28	3.2.1.009	External surfaces	Steel	Air with borated water/NaOH	Loss of material due to borate corrosion	AMP X.M2S, "Boric Acid Corrosion"	No	PWR			VE-6E-28)	
Yes	No	No	No	V	E	E-403a	<a href="#">18.1.071</a>		M	VE-E-403a	3.2.1.069	Insulated piping, piping components, tanks	Steel	Air, condensation	Loss of material due to general, pitting, crevice corrosion	AMP X.M2S, "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR				
Yes	No	No	No	V	E	E-403b	<a href="#">18.1.066</a>		M	VE-E-403b	3.2.1.069	Insulated tanks within the scope of AMP X.M2S, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel	Air, condensation	Loss of material due to general, pitting, crevice corrosion	AMP X.M2S, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	BWR/PWR				
Yes	No	No	No	V	E	E-406	<a href="#">18.1.071</a>		M	VE-E-406	3.2.1.071	Insulated piping, piping components, tanks	Copper alloy (>15% Zn or >6% Sn)	Air, condensation	Cracking due to SCC	AMP X.M2S, "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR				
Yes	No	Yes	No	V	E	E-41	<a href="#">18.1.071</a>		D	VE-E-41	3.2.1.076	Closure bolting	Stainless steel, steel, nickel alloy, copper alloy	Treated water, treated borated water, raw water, waste water, lubricating oil	Loss of material due to general, pitting, crevice corrosion, MC, soil, copper alloy in raw water, waste water only	AMP X.M2S, "Bolting Integrity"	No	BWR/PWR				
Yes	Yes	Yes	No	V	E	E-418	<a href="#">18.1.076</a>		D	VE-E-418	3.2.1.076	Closure bolting	Stainless steel, steel, nickel alloy, copper alloy	Treated water, treated borated water, raw water, waste water, lubricating oil	Loss of material due to general, pitting, crevice corrosion, MC, soil, copper alloy in raw water, waste water only	AMP X.M2S, "Bolting Integrity"	No	BWR/PWR				
Yes	Yes	Yes	No	V	E	E-419	<a href="#">18.1.076</a>		D	VE-E-419	3.2.1.076	Closure bolting	Stainless steel, steel, nickel alloy, copper alloy	Treated water, treated borated water, raw water, waste water, lubricating oil	Loss of material due to general, pitting, crevice corrosion, MC, soil, copper alloy in raw water, waste water only	AMP X.M2S, "Bolting Integrity"	No	BWR/PWR				
Yes	Yes	No	No	V	E	E-420	<a href="#">18.1.073</a>		N	VE-E-420	3.2.1.078	Piping, piping components, tanks	Stainless steel, steel, aluminum	Soil, concrete	Cracking due to SCC (steel in carbonate/carbonate environment only)	AMP X.M2S, "Buried and Underground Piping and Tanks"	No	BWR/PWR				
Yes	Yes	No	No	V	E	E-421	<a href="#">18.1.073</a>		N	VE-E-421	3.2.1.079	Closure bolting	Steel, steel, aluminum	Air, soil, concrete, underground	Cracking due to SCC	AMP X.M2S, "Bolting Integrity"	No	BWR/PWR				
Yes	Yes	No	No	V	E	E-422	<a href="#">18.1.073</a>		N	VE-E-422	3.2.1.087	Non-metallic thermal insulation	Any	Air	Reduced thermal insulation resistance due to moisture intrusion	AMP X.M2S, "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR				
Yes	Yes	No	No	V	E	E-423a	<a href="#">18.1.080</a>		N	VE-E-423a	3.2.1.080	Piping, piping components, tanks	Stainless steel	Underground	Cracking due to SCC	AMP X.M2S, "One-Time Inspection"	Yes	BWR/PWR				
Yes	Yes	No	No	V	E	E-423b	<a href="#">18.1.080</a>		N	VE-E-423b	3.2.1.080	Piping, piping components, tanks	St									



Yes	Yes	No	No	V	E	E-451b	18.1.108		N	V.E-451b	3.2.1.108	Insulated piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM2, "One-Time Inspection"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-451c	18.1.108		N	V.E-451c	3.2.1.108	Insulated piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM2, "External Surface Monitoring of Mechanical Components"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-451d	18.1.108		N	V.E-451d	3.2.1.108	Insulated piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-452a	18.1.109		N	V.E-452a	3.2.1.109	Insulated tanks	Aluminum	Air, condensation	Cracking due to SCC	AMP XIM2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-452b	18.1.109		N	V.E-452b	3.2.1.109	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Cracking due to SCC	AMP XIM2, "One-Time Inspection"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-452c	18.1.109		N	V.E-452c	3.2.1.109	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Cracking due to SCC	AMP XIM2, "External Surface Monitoring of Mechanical Components"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-452d	18.1.109		N	V.E-452d	3.2.1.109	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Cracking due to SCC	AMP XIM2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-453a	18.1.110		N	V.E-453a	3.2.1.110	Piping, piping components, tanks	Aluminum	Underground	Cracking due to SCC	AMP XIM2, "One-Time Inspection"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-453b	18.1.110		N	V.E-453b	3.2.1.110	Piping, piping components, tanks	Aluminum	Underground	Cracking due to SCC	AMP XIM1, "Buried and Underground Piping and Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-453c	18.1.110		N	V.E-453c	3.2.1.110	Piping, piping components, tanks	Aluminum	Underground	Cracking due to SCC	AMP XIM2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-454	18.1.111		N	V.E-454	3.2.1.111	Piping, piping components, tanks	Aluminum	Underground	Loss of material due to pitting, crevice corrosion	AMP XIM2, "One-Time Inspection"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-454b	18.1.111		N	V.E-454b	3.2.1.111	Piping, piping components, tanks	Aluminum	Underground	Loss of material due to pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-454c	18.1.111		N	V.E-454c	3.2.1.111	Piping, piping components, tanks	Aluminum	Underground	Loss of material due to pitting, crevice corrosion	AMP XIM2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-455a	18.1.112		N	V.E-455a	3.2.1.112	Piping, piping components, tanks	Stainless steel, nickel alloy	Underground	Loss of material due to pitting, crevice corrosion	AMP XIM2, "One-Time Inspection"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-455b	18.1.112		N	V.E-455b	3.2.1.112	Piping, piping components, tanks	Stainless steel, nickel alloy	Underground	Loss of material due to pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-455c	18.1.112		N	V.E-455c	3.2.1.112	Piping, piping components, tanks	Stainless steel, nickel alloy	Underground	Loss of material due to pitting, crevice corrosion	AMP XIM2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-456	18.1.113		N	V.E-456	3.2.1.113	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-456b	18.1.113		N	V.E-456b	3.2.1.113	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM2, "One-Time Inspection"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-456c	18.1.113		N	V.E-456c	3.2.1.113	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM1, "External Surface Monitoring of Mechanical Components"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-456d	18.1.113		N	V.E-456d	3.2.1.113	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XIM2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-461	18.1.120		N	V.E-461	3.2.1.120	Piping, piping components, tanks	Aluminum	Soil, concrete	Loss of material due to pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR			
Yes	Yes	No	No	V	E	E-464a	18.1.121		N	V.E-464a	3.2.1.121	Tanks	Aluminum	Raw water, waste water	Loss of material due to pitting, crevice corrosion	AMP XIM2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-464b	18.1.121		N	V.E-464b	3.2.1.121	Piping, piping components, tanks	Aluminum	Raw water, waste water	Loss of material due to pitting, crevice corrosion	AMP XIM2, "One-Time Inspection"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-464c	18.1.121		N	V.E-464c	3.2.1.121	Piping, piping components, tanks	Aluminum	Raw water, waste water	Loss of material due to pitting, crevice corrosion	AMP XIM2, "Inspection of Internal Surfaces in Maintenance Piping and Driftout Components"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-464d	18.1.121		N	V.E-464d	3.2.1.121	Piping, piping components, tanks	Aluminum	Raw water, waste water	Loss of material due to pitting, crevice corrosion	AMP XIM2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR			
Yes	Yes	No	No	V	E	E-465	18.1.122		N	V.E-465	3.2.1.122	Piping, piping components, tanks	Aluminum	Air	Loss of material due to wear	AMP XIM2, "External Surface Monitoring of Mechanical Components"	No	BWR/PWR			
Yes	Yes	No	No	V	E	E-468	18.1.125		N	V.E-468	3.2.1.125	Closure bolting	Steel	Soil, concrete, underground	Loss of material due to general, pitting, crevice corrosion, MIC (past only)	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR			
Yes	Yes	No	No	V	E	E-469	18.1.126		N	V.E-469	3.2.1.126	Piping, piping components, tanks, closure bolting	Titanium, super austenitic	Soil, concrete, underground	Loss of material due to pitting, crevice corrosion, MIC, except for titanium, soil only	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR			
Yes	Yes	No	No	V	E	E-471	18.1.128		N	V.E-471	3.2.1.128	Piping, piping components	Copper alloy	Soil, underground	Loss of material due to general, pitting, crevice corrosion, MIC (past only)	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR			
Yes	No	No	No	V	E	EP-111	18.1.062		M	VE-EP-111	3.2.1.062	Piping, piping components	Steel	Soil, concrete	Loss of material due to general, pitting, crevice corrosion, MIC (past only)	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	E-42	(V-9-E-42)	
Yes	No	Yes	No	V	E	EP-114a	18.1.064		D	VE-EP-114a	3.2.1.064	Piping, piping components, tanks	Aluminum	Air, condensation (external)	Loss of material due to pitting, crevice corrosion	AMP XIM2, "One-Time Inspection"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	V	E	EP-114b	18.1.064		M	VE-EP-114b	3.2.1.064	Piping, piping components, tanks	Aluminum	Air, condensation (external)	Loss of material due to pitting, crevice corrosion	AMP XIM2, "External Surface Monitoring of Mechanical Components"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	V	E	EP-114c	18.1.064		M	VE-EP-114c	3.2.1.064	Piping, piping components, tanks	Aluminum	Air, condensation (external)	Loss of material due to pitting, crevice corrosion	AMP XIM2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	V	E	EP-114d	18.1.064		M	VE-EP-114d	3.2.1.064	Piping, piping components, tanks	Aluminum	Air, condensation (external)	Loss of material due to pitting, crevice corrosion	AMP XIM2, "Inspection of Internal Surfaces in Maintenance Piping and Driftout Components"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	V	E	EP-116	18.1.016		M	VE-EP-116	3.2.1.016	Closure bolting	Metallic	Any soil, underground	Loss of material due to thermal effects, embrittlement, and corrosion	AMP XIM16, "Bolting Integrity"	No	BWR/PWR	New Record in GALL 2		
Yes	No	Yes	No	V	E	EP-117	18.1.017		D	VE-EP-117	3.2.1.017	Piping, piping components	Steel	Soil, concrete	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	Yes	No	V	E	EP-118	18.1.018		D	VE-EP-118	3.2.1.018	Piping, piping components	Steel	Soil, concrete	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	Yes	No	V	E	EP-119	18.1.019		D	VE-EP-119	3.2.1.019	Piping, piping components	Steel	Soil, concrete	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	Yes	No	V	E	EP-120	18.1.020		D	VE-EP-120	3.2.1.020	Piping, piping components	Steel	Soil, concrete	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	Yes	No	V	E	EP-121	18.1.021		D	VE-EP-121	3.2.1.021	Piping, piping components	Steel	Soil, concrete	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	Yes	No	V	E	EP-122	18.1.022		D	VE-EP-122	3.2.1.022	Piping, piping components	Steel	Soil, concrete	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	V	E	EP-38	18.1.038		M	VE-EP-38	3.2.1.038	Piping, piping components	Copper alloy	Soil, concrete	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	V	E	EP-59	18.1.059		M	VE-EP-59	3.2.1.059	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	V	E	EP-64	18.1.064		M	VE-EP-64	3.2.1.064	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	V	E	EP-69	18.1.069		M	VE-EP-69	3.2.1.069	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	V	E	EP-70	18.1.070		M	VE-EP-70	3.2.1.070	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	V	E	EP-72	18.1.072		M	VE-EP-72	3.2.1.072	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to general, pitting, crevice corrosion	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	Yes	No	No	V	F	F-438	18.1.118		D	VF-438	3.2.1.118	Piping, piping components, heat exchanger components other than tubes	Stainless steel, austenitic	Soil, concrete	Loss of material due to pitting, crevice corrosion, MIC (past only)	AMP XIM1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	EP-31	(V-1-26EP-31)	
Yes	Yes	No	No	V	F	F-461	18.1.118		N	VF-461	3.2.1.118	Piping, piping components, heat exchanger components other than tubes	Titanium (ASTM Grades 1, 2, 7, 11, or 12)	Treated water	None	None	None	BWR/PWR			Inspection completed file
Yes	Yes	No	No	V	F	F-461	18.1.118		N	VF-461	3.2.1.118	Piping, piping components, heat exchanger components other than tubes	Titanium (ASTM Grades 1, 2, 7, 11, or 12)	Closed-cycle cooling water	None	None	None	BWR/PWR			Inspection completed file
Yes	Yes	No	No	V	F	F-467	18.1.124		N	VF-467	3.2.1.124	Piping, piping components, tanks	Aluminum	Air with bonded water leakage	None	None	None	PWR			
Yes	Yes	No	No	V	F	F-470	18.1.127		N	VF-470	3.2.1.127	Piping, piping components	Copper alloy	Concrete	None	None	None	BWR/PWR			
Yes	No	No	No	V	F	F-10	18.1.087		M	VF-EP-10	3.2.1.087	Piping, piping components	Copper alloy	Air, condensation, soil	None	None	None	BWR/PWR			(V-13EP-10)
Yes	No	No	No	V	F	F-112	18.1.088		M	VF-EP-112	3.2.1.088	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-112)
Yes	No	No	No	V	F	F-115	18.1.089		M	VF-EP-115	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-115)
Yes	No	No	No	V	F	F-12	18.1.088		M	VF-EP-12	3.2.1.088	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-12)
Yes	No	No	No	V	F	F-14	18.1.089		M	VF-EP-14	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-14)
Yes	No	No	No	V	F	F-15	18.1.089		M	VF-EP-15	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-15)
Yes	No	No	No	V	F	F-16	18.1.089		M	VF-EP-16	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-16)
Yes	No	No	No	V	F	F-17	18.1.089		M	VF-EP-17	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-17)
Yes	No	No	No	V	F	F-18	18.1.089		M	VF-EP-18	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-18)
Yes	No	No	No	V	F	F-19	18.1.089		M	VF-EP-19	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-19)
Yes	No	No	No	V	F	F-20	18.1.089		M	VF-EP-20	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-20)
Yes	No	No	No	V	F	F-22	18.1.089		M	VF-EP-22	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-22)
Yes	No	No	No	V	F	F-28	18.1.089		M	VF-EP-28	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-28)
Yes	No	No	No	V	F	F-29	18.1.089		M	VF-EP-29	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-29)
Yes	No	No	No	V	F	F-3a	18.1.089		D	VF-EP-3a	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-3a)
Yes	No	No	No	V	F	F-3b	18.1.089		D	VF-EP-3b	3.2.1.089	Piping, piping components	Steel	Concrete	None	None	None	BWR/PWR			(V-13EP-3b)
Yes	No	No	No	V	F	F-3c	18.1.089		D	VF-EP-3c	3.2.1.089	Piping, piping components	Steel	Concrete</							



Yes	No	No	Yes	M	A	LP-26	<a href="#">16.1.019</a>	E	MALP-26	3.6.1.013	Near enclosed bus, electrical insulators	Permittive, epoxy, thermoplastic, organic polymers	Ar - indoor controlled or uncontrolled, air - outdoor	Reduced electrical insulation resistance due to thermally-mediated degradation of organic/thermoplastics, radiation-induced oxidation, moisture/leakage intrusion, chronic heating	AMP X1E4, "Near Enclosed Bus"	No	BWRPWR	LP-05	(IA-16,LP-05)
Yes	No	No	Yes	U	A	LP-26	<a href="#">16.1.009</a>	E	MALP-26	3.6.1.003	High-voltage electrical insulators	Permittive, epoxy, polymeric, aluminum, galvanized steel, paint	Ar - outdoor	Increased electrical resistance due to presence of insects, foreign debris, salt, dust, cooling tower plume or industrial effluent contamination	AMP X1E7, "High-Voltage Insulators"	No	BWRPWR	LP-07	(IA-16,LP-07)
Yes	No	Yes	No	U	A	LP-29	<a href="#">16.1.019</a>	D	MALP-29	3.6.1.019	Cable connections (metal parts)	Various metals used for electrical contacts	Ar - indoor controlled or uncontrolled, air - outdoor	Increased electrical resistance of connection due to thermal cycling, chronic heating, electrical transients, vibration, chemical contamination, corrosion, oxidation	AMP X1E6, "Electrical Cable Connections Not Subject to 10 CFR 55.49 Environmental Qualification Requirements"	No	BWRPWR	LP-12	(IA-16,LP-12)
Yes	No	No	No	U	A	LP-31	<a href="#">16.1.019</a>	N	MALP-31	3.6.1.018	Fuse holders (not part of active equipment)	Various metals used for electrical connections	Ar - indoor controlled or uncontrolled	Increased electrical resistance of connection due to fatigue caused by frequent fuse removal/reinstallation or vibration	AMP X1E5, "Fuse Holders"	No	BWRPWR	LP-01	(IA-16,LP-01)
Yes	No	No	No	M	A	LP-32	<a href="#">16.1.009</a>	M	MALP-32	3.6.1.002	High-voltage electrical insulators	Permittive, epoxy, polymeric, aluminum, galvanized steel, paint	Ar - outdoor	Loss of material due to mechanical wear or corrosion caused by movement of transmission conductors due to significant wind	AMP X1E7, "High-Voltage Insulators"	No	BWRPWR	LP-11	(IA-16,LP-11)
Yes	No	No	No	U	A	LP-33	<a href="#">16.1.009</a>	E	MALP-33	3.6.1.008	Electrical insulation for electrical cables and connectors (including terminal blocks, etc.)	Various organic polymers (e.g., EPR, SR, EPDM, ALPE)	Averse localized environment caused by heat, radiation, or moisture	Reduced electrical insulation resistance due to thermally-mediated degradation of organic, radiolysis, and photolysis (UV sensitive materials only) of organic, radiation-induced oxidation, moisture intrusion	AMP X1E1, "Insulation Material for Electrical Cables and Connectors Not Subject to 10 CFR 55.49 Environmental Qualification Requirements"	No	BWRPWR	LP-01	(IA-16,LP-01)
Yes	No	No	Yes	M	A	LP-34	<a href="#">16.1.009</a>	E	MALP-34	3.6.1.009	Electrical insulation for electrical cables and connectors used in instrumentation circuits that are sensitive to radiation in conductor electrical insulation resistance (IR)	Various organic polymers (e.g., EPR, SR, EPDM, ALPE)	Averse localized environment caused by heat, radiation, or moisture	Reduced electrical insulation resistance due to thermally-mediated degradation of organic, radiolysis, and photolysis (UV sensitive materials only) of organic, radiation-induced oxidation, moisture intrusion	AMP X1E2, "Insulation Material for Electrical Cables and Connectors Not Subject to 10 CFR 55.49 Environmental Qualification Requirements Used in Instrumentation Circuits"	No	BWRPWR	LP-02	(IA-16,LP-02)
Yes	No	No	No	U	A	LP-35a	<a href="#">16.1.019</a>	N	MALP-35a	3.6.1.010	Electrical conductor/insulation for inaccessible medium-voltage cables - typical operating range of 24 kV to 35 kV (e.g., installed in duct bank, buried conductor or direct buried)	Various organic polymers such as EPR, SR, EPDM, ALPE, butyl rubber, and combined thermoplastic jacket/insulation sheet	Averse localized environment caused by significant moisture	Reduced electrical insulation resistance or degraded dielectric strength due to significant moisture	AMP X1E3A, "Electrical Insulation for Inaccessible Medium-Voltage Power Cables Not Subject to 10 CFR 55.49 Environmental Qualification Requirements"	No	BWRPWR	LP-03	(IA-16,LP-03)
Yes	No	No	No	U	A	LP-35b	<a href="#">16.1.019</a>	M	MALP-35b	3.6.1.010	Electrical conductor/insulation for inaccessible medium-voltage cables - typical operating range of 24 kV to 35 kV (e.g., installed in duct bank, buried conductor or direct buried)	Various organic polymers such as EPR, SR, EPDM, ALPE, butyl rubber, and combined thermoplastic jacket/insulation sheet	Averse localized environment caused by significant moisture	Reduced electrical insulation resistance or degraded dielectric strength due to significant moisture	AMP X1E3B, "Electrical Insulation for Inaccessible Instrument and Control Cables Not Subject to 10 CFR 55.49 Environmental Qualification Requirements"	No	BWRPWR		
Yes	No	No	No	U	A	LP-35c	<a href="#">16.1.019</a>	M	MALP-35c	3.6.1.010	Electrical conductor/insulation for inaccessible low-voltage cables - typical operating range of 1 kV to 24 kV (e.g., installed in duct bank, buried conductor or direct buried)	Various organic polymers such as EPR, SR, EPDM, ALPE, butyl rubber, and combined thermoplastic jacket/insulation sheet	Averse localized environment caused by significant moisture	Reduced electrical insulation resistance or degraded dielectric strength due to significant moisture	AMP X1E3C, "Electrical Insulation for Inaccessible Low-Voltage Power Cables Not Subject to 10 CFR 55.49 Environmental Qualification Requirements"	No	BWRPWR		
Yes	No	No	Yes	M	A	LP-36	<a href="#">16.1.009</a>	E	MALP-36	3.6.1.020	Electrical conductor/insulation for electrical connections	Various metals used for electrical connections	Ar with bonded water leakage	Increased electrical resistance of connection due to corrosion of conductor contact surfaces caused by intrusion of bonded water	AMP X1M5, "Bonded Conductor"	No	PWR	LP-04	(IA-16,LP-04)
Yes	No	No	No	U	A	LP-38	<a href="#">16.1.009</a>	M	MALP-38	3.6.1.004	Transmission conductors	Aluminum, steel	Ar - outdoor	Loss of conductor strength due to corrosion	A plant-specific aging management program is to be evaluated for ACAR	Yes	BWRPWR	LP-08	(IA-16,LP-08)
Yes	No	No	No	U	A	LP-39	<a href="#">16.1.009</a>	M	MALP-39	3.6.1.006	Transmission conductors and connections	Aluminum, copper, bronze, stainless steel, galvanized steel	Ar - outdoor	Loss of material due to wind-induced abrasion; increased resistance of connection due to radiation or loss of grease	A plant-specific aging management program is to be evaluated	Yes	BWRPWR	LP-09	(IA-16,LP-09)
No	No	No	No	U	A	LP-41	<a href="#">16.1.009</a>		MALP-41	3.6.1.023	Near enclosed bus external surface of enclosure assemblies	Galvanized steel, aluminum	Ar - indoor controlled or uncontrolled	None	None	No	BWRPWR	LP-06	(IA-13,LP-06)
No	No	No	No	U	A	LP-42	<a href="#">16.1.019</a>		MALP-42	3.6.1.015	Near enclosed bus external surface of enclosure assemblies	Galvanized steel, aluminum	Ar - outdoor	Loss of material due to pitting, crevice corrosion	AMP X1E4, "Near Enclosed Bus," or AMP X1S6, "Structures Monitoring"	No	BWRPWR	LP-06	(IA-13,LP-06)
No	No	No	No	U	A	LP-43	<a href="#">16.1.019</a>		MALP-43	3.6.1.014	Near enclosed bus external surface of enclosure assemblies	Steel	Ar - indoor controlled, air - outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X1E4, "Near Enclosed Bus," or AMP X1S6, "Structures Monitoring"	No	BWRPWR	LP-06	(IA-13,LP-06)
No	No	No	No	U	A	LP-44	<a href="#">16.1.009</a>		MALP-44	3.6.1.024	Near enclosed bus external surface of enclosure assemblies	Steel	Ar - indoor controlled	None	None	No	BWRPWR	LP-06	(IA-13,LP-06)
Yes	No	No	No	U	A	LP-46	<a href="#">16.1.009</a>	N	MALP-46	3.6.1.021	Transmission conductors	Aluminum	Ar - outdoor	Loss of conductor strength due to corrosion	None - for ACAR and Al Aluminum Conductor (AAC)	No	BWRPWR	LP-08	(IA-16,LP-08)
Yes	No	No	Yes	U	A	LP-47	<a href="#">16.1.009</a>	E	MALP-47	3.6.1.007	Transmission conductors	Aluminum, steel	Ar - outdoor	Loss of material due to wind-induced abrasion	A plant-specific aging management program is to be evaluated for ACAR and ACAR	Yes	BWRPWR	LP-08	(IA-16,LP-08)
Yes	No	No	Yes	U	A	LP-48	<a href="#">16.1.009</a>	E	MALP-48	3.6.1.005	Transmission conductors	Aluminum, steel	Ar - outdoor	Increased resistance of connection due to degradation or loss of grease	A plant-specific aging management program is to be evaluated	Yes	BWRPWR	LP-08	(IA-16,LP-08)
Yes	No	No	No	U	B	LO5	<a href="#">16.1.061</a>		M.B.L-05	3.6.1.001	Electrical equipment subject to 10 CFR 55.49 EQ requirements	Various polymers (e.g., EPR, SR, EPDM, ALPE)	Areas of the plant that could be subject to harsh environmental effects of a loss of coolant accident (LOCA), high energy line break, or post LOCA environment	Various aging effects due to environmental mechanisms in accordance with 10 CFR 55.49	EQ is a time limited aging analysis (TLAA) to be evaluated for the subsequent period of extended operation. See the Standard Review Plan, Section 4.4, "Environmental Qualification (EQ) of Electrical Equipment," for acceptable methods for meeting the requirements of 10 CFR 54.21(c)(1)(i) and (j). See AMP X1E1, "Environmental Qualification (EQ) of Electric Components," of this report for meeting the requirements of 10 CFR 54.21(c)(1)(ii)	Yes	BWRPWR		(IB-16,LO5)
Yes	No	No	No	U	A	A-94	<a href="#">16.1.111</a>	N	WAT A-94	3.5.1.111	Structural steel	Steel	Ar - indoor uncontrolled	Loss of material due to general, pitting, crevice corrosion	AMP X1S5, "Structures Monitoring"	No	BWRPWR		(WAT-16A-94)
Yes	No	Yes	No	U	A	A-400	<a href="#">16.1.102</a>		WAT A-400										
Yes	No	Yes	No	U	A	A-405	<a href="#">16.1.102</a>		WAT A-405										
Yes	No	Yes	No	U	A	A-414	<a href="#">16.1.102</a>		WAT A-414										
Yes	Yes	No	No	U	A	A-416	<a href="#">16.1.102</a>		WAT A-416	3.5.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, sea water, waste water	Cracking due to SCC	AMP X1M2, "One-Time Inspection"	Yes	BWRPWR		
Yes	Yes	No	No	U	A	A-451c	<a href="#">16.1.102</a>	N	WAT A-451c	3.5.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, sea water, waste water	Cracking due to SCC	AMP X1M6, "External Surfaces Monitoring of Mechanical Components"	Yes	BWRPWR		
Yes	Yes	No	No	U	A	A-451c	<a href="#">16.1.102</a>	N	WAT A-451c	3.5.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, sea water, waste water	Cracking due to SCC	AMP X1M6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR		
Yes	Yes	No	No	U	A	A-455	<a href="#">16.1.102</a>	N	WAT A-455	3.5.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, sea water, waste water	Cracking due to SCC	AMP X1M2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWRPWR		
Yes	No	Yes	No	U	A	A-468	<a href="#">16.1.061</a>		WAT A-468	3.5.1.051	Spent fuel storage racks, neutron-absorbing sheets (BWR)	Boroflex	Treated bonded water	Reduction of neutron-absorbing capacity due to boroflex degradation	AMP X1M2, "Boroflex Monitoring"	No	PWR		(WAT-16A-468)
No	No	No	No	U	A	A-487	<a href="#">16.1.061</a>		WAT A-487	3.5.1.051	Spent fuel storage racks, neutron-absorbing sheets (BWR)	Boroflex	Treated water	Reduction of neutron-absorbing capacity due to boroflex degradation	AMP X1M2, "Boroflex Monitoring"	No	BWR		(WAT-16A-487)
No	No	No	No	U	A	A-496	<a href="#">16.1.102</a>		WAT A-496	3.5.1.124	Spent fuel storage racks, neutron-absorbing sheets (BWR)	Stainless steel	Treated water +60°C (>140°F)	Cracking due to SCC	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	BWR		(WAT-16A-496)
No	No	No	No	U	A	A-497	<a href="#">16.1.102</a>		WAT A-497	3.5.1.124	Spent fuel storage racks, neutron-absorbing sheets (BWR)	Stainless steel	Treated bonded water +60°C (>140°F)	Cracking due to SCC	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	PWR		(WAT-16A-497)
Yes	No	No	No	U	A	A-498	<a href="#">16.1.102</a>	M	WAT A-498	3.5.1.125	Spent fuel storage racks, neutron-absorbing sheets (BWR)	Stainless steel	Treated water	Loss of material due to pitting, crevice corrosion, MC	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	BWRPWR		
Yes	No	No	No	U	A	A-499	<a href="#">16.1.102</a>	M	WAT A-499	3.5.1.125	Spent fuel storage racks, neutron-absorbing sheets (BWR)	Stainless steel	Treated bonded water	Loss of material due to pitting, crevice corrosion, MC	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	PWR		(WAT-16A-499)
No	No	No	No	U	A	A-235	<a href="#">16.1.102</a>		WAT A-235	3.5.1.102	Spent fuel storage racks, neutron-absorbing sheets (BWR)	Boroflex, boron steel, and other materials (excluding Boroflex)	Treated bonded water	Reduction of neutron-absorbing capacity change in dimensions and loss of material due to effects of SPP environment	AMP X1M4, "Monitoring of Neutron-Absorbing Materials other than Boroflex"	No	PWR	A-8	(WAT-16A-235)
No	No	No	No	U	A	A-236	<a href="#">16.1.102</a>		WAT A-236	3.5.1.102	Spent fuel storage racks, neutron-absorbing sheets (BWR)	Treated water	Reduction of neutron-absorbing capacity change in dimensions and loss of material due to effects of SPP environment	AMP X1M4, "Monitoring of Neutron-Absorbing Materials other than Boroflex"	No	BWR	A-8	(WAT-16A-236)	
Yes	No	No	No	U	A	A-79	<a href="#">16.1.102</a>	M	WAT A-79	3.5.1.125	Piping, piping components	Stainless steel, steel with stainless steel or metal alloy cladding, nickel alloy	Treated bonded water	Loss of material due to pitting, crevice corrosion, MC	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	PWR		(WAT-16A-79)
No	No	No	No	U	A	A-101	<a href="#">16.1.019</a>		WAT A-101	3.5.1.017	Heat exchanger tubes	Stainless steel	Treated bonded water	Reduction of heat transfer due to fouling	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	PWR		
Yes	No	Yes	No	U	A	A-400	<a href="#">16.1.102</a>		WAT A-400										
Yes	No	Yes	No	U	A	A-405	<a href="#">16.1.102</a>		WAT A-405										
Yes	No	Yes	No	U	A	A-414	<a href="#">16.1.102</a>		WAT A-414										
Yes	No	Yes	No	U	A	A-419	<a href="#">16.1.102</a>		WAT A-419										
Yes	Yes	No	No	U	A	A-450	<a href="#">16.1.102</a>	N	WAT A-450	3.5.1.193	Any	Steel	Treated water	Long-term loss of material due to stress corrosion	AMP X1M2, "One-Time Inspection"	No	PWR		
Yes	Yes	No	No	U	A	A-451c	<a href="#">16.1.102</a>	N	WAT A-451c	3.5.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, sea water, waste water	Cracking due to SCC	AMP X1M2, "One-Time Inspection"	Yes	PWR		
Yes	Yes	No	No	U	A	A-451c	<a href="#">16.1.102</a>	N	WAT A-451c	3.5.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, sea water, waste water	Cracking due to SCC	AMP X1M6, "External Surfaces Monitoring of Mechanical Components"	Yes	PWR		
Yes	Yes	No	No	U	A	A-455	<a href="#">16.1.102</a>	N	WAT A-455	3.5.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, sea water, waste water	Cracking due to SCC	AMP X1M6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR		
Yes	Yes	No	No	U	A	A-455	<a href="#">16.1.102</a>	N	WAT A-455	3.5.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, sea water, waste water	Cracking due to SCC	AMP X1M2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR		
Yes	No	No	No	U	A	A-56	<a href="#">16.1.102</a>	M	WAT A-56	3.5.1.124	Piping, piping components	Steel (with stainless steel or metal alloy cladding)	Treated bonded water +60°C (>140°F)	Cracking due to SCC	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	PWR		(WAT-16A-56)
Yes	Yes	Yes	No	U	A	A-740	<a href="#">16.1.061</a>		WAT A-740										
Yes	Yes	No	No	U	A	A-765	<a href="#">16.1.102</a>	N	WAT A-765	3.5.1.236	Heat exchanger tubes	Titanium	Treated water	Reduction of heat transfer due to fouling	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	PWR		(WAT-16A-765)
Yes	Yes	No	No	U	A	A-781	<a href="#">16.1.102</a>	N	WAT A-781	3.5.1.259	Piping, piping components	Aluminum	Raw water	Fine blockage due to fouling	AMP X1M6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR		
Yes	Yes	No	No	U	A	A-790a	<a href="#">16.1.102</a>	N	WAT A-790a	3.5.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, low blockage due to fouling	AMP X1M2, "Open-Cycle Cooling Water System"	No	BWRPWR		
Yes	Yes	No	No	U	A	A-790b	<a href="#">16.1.102</a>	N	WAT A-790b	3.5.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, low blockage due to fouling	AMP X1M6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR		
Yes	No	Yes	No	U	A	A-81	<a href="#">16.1.061</a>		WAT A-81										
Yes	No	No	No	U	A	A-100	<a href="#">16.1.061</a>		WAT A-100	3.5.1.085	Piping, piping components, seals	Elastomer	Treated bonded water	Hardening or loss of strength or					



Yes	No	No	No	06	A2	AP-31	<a href="#">1.3.1.072</a>		M	MLA3-AP-31	3.5.1.072	Piping, piping components	Gray cast iron, ductile iron	Treated water	Loss of material due to selective leaching	AMP XIM33, "Selective Leaching"	No	BWR	FWR	MLA3-7(JP-31)
Yes	No	No	No	06	A2	AP-42	<a href="#">1.3.1.072</a>		M	MLA3-AP-42	3.5.1.072	Piping, piping components	Copper alloy (≥15% Zn or ≥6% Al)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM33, "Selective Leaching"	No	BWR	FWR	MLA3-6(JP-42)
Yes	No	No	No	06	A2	AP-79	<a href="#">1.3.1.126</a>	LR-ISO-2011-01	N	MLA2-AP-79	3.5.1.126	Piping, piping components	Stainless steel, steel with stainless steel cladding, nickel alloy	Treated bottled water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM32, "Water Chemistry," and AMP XIM32, "One-Time Inspection"	No	BWR	FWR	MLA3-6(JP-79)
Yes	No	Yes	No	06	A4	A400	<a href="#">1.3.1.072</a>	LR-ISO-2012-02	D	VLAM-A400										
Yes	No	Yes	No	06	A4	A410	<a href="#">1.3.1.072</a>	LR-ISO-2012-02	D	VLAM-A410										
Yes	No	Yes	No	06	A4	A414	<a href="#">1.3.1.072</a>	LR-ISO-2013-01	D	VLAM-A414										
Yes	No	Yes	No	06	A4	A416	<a href="#">1.3.1.072</a>	LR-ISO-2013-01	D	VLAM-A416										
Yes	Yes	No	No	06	A4	A439	<a href="#">1.3.1.193</a>		N	VLAM-A439	3.5.1.193	Any	Steel	Treated water	Long-term loss of material due to general corrosion	AMP XIM32, "One-Time Inspection"	No	BWR		
Yes	Yes	No	No	06	A4	A451A	<a href="#">1.3.1.193</a>		N	VLAM-A451A	3.5.1.193	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM32, "One-Time Inspection"	Yes	BWR		
Yes	Yes	No	No	06	A4	A451B	<a href="#">1.3.1.193</a>		N	VLAM-A451B	3.5.1.193	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM32, "One-Time Inspection"	Yes	BWR		
Yes	Yes	No	No	06	A4	A451C	<a href="#">1.3.1.193</a>		N	VLAM-A451C	3.5.1.193	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM32, "One-Time Inspection"	Yes	BWR		
Yes	Yes	No	No	06	A4	A451D	<a href="#">1.3.1.193</a>		N	VLAM-A451D	3.5.1.193	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM32, "One-Time Inspection"	Yes	BWR		
Yes	Yes	Yes	No	06	A4	A749	<a href="#">1.3.1.236</a>		D	VLAM-A749										
Yes	Yes	No	No	06	A4	A765	<a href="#">1.3.1.236</a>		N	VLAM-A765	3.5.1.236	Heat exchanger tubes	Titanium	Treated water	Reduction of heat transfer due to fouling	AMP XIM32, "Water Chemistry," and AMP XIM32, "One-Time Inspection"	No	BWR		Holston completed file
Yes	Yes	No	No	06	A4	A769A	<a href="#">1.3.1.236</a>		N	VLAM-A769A	3.5.1.236	Piping, piping components	Aluminum	Raw water	Flow blockage due to fouling	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR		
Yes	Yes	No	No	06	A4	A769B	<a href="#">1.3.1.236</a>		N	VLAM-A769B	3.5.1.236	Piping, piping components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP XIM32, "Open-Cycle Cooling Water System"	No	BWR		
Yes	Yes	No	No	06	A4	A769C	<a href="#">1.3.1.236</a>		N	VLAM-A769C	3.5.1.236	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR		
Yes	No	No	No	06	A4	AP-101	<a href="#">1.3.1.085</a>		M	VLAM-AP-101	3.5.1.085	Piping, piping components, tanks	Stainless steel	Treated water	Hardening or loss of strength due to customer degradation	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR	A-16	VLAM-10A-16
Yes	No	No	No	06	A4	AP-108	<a href="#">1.3.1.085</a>	LR-ISO-2013-01	M	VLAM-AP-108	3.5.1.085	Piping, piping components, tanks	Steel, stainless steel	Treated water	Hardening or loss of strength due to customer degradation	AMP XIM32, "Water Chemistry," and AMP XIM32, "One-Time Inspection"	No	BWR	A-40	VLAM-10A-40
Yes	No	No	No	06	A4	AP-110	<a href="#">1.3.1.203</a>		M	VLAM-AP-110	3.5.1.203	Piping, piping components	Stainless steel, ductile iron	Treated water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM32, "Water Chemistry," and AMP XIM32, "One-Time Inspection"	No	BWR	A-58	VLAM-10A-58
Yes	No	No	No	06	A4	AP-111	<a href="#">1.3.1.203</a>		M	VLAM-AP-111	3.5.1.203	Piping, piping components	Stainless steel, ductile iron	Treated water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM32, "Water Chemistry," and AMP XIM32, "One-Time Inspection"	No	BWR	A-70	VLAM-10A-70
Yes	No	No	No	06	A4	AP-130	<a href="#">1.3.1.025</a>		N	VLAM-AP-130	3.5.1.025	Piping, piping components	Aluminum	Treated water	Loss of material due to pitting, crevice corrosion	AMP XIM32, "Water Chemistry," and AMP XIM32, "One-Time Inspection"	No	BWR	A-38	VLAM-10A-38
Yes	No	No	No	06	A4	AP-133	<a href="#">1.3.1.072</a>		N	VLAM-AP-133	3.5.1.072	Heat exchanger tubes	Stainless steel	Treated water	Reduction of heat transfer due to fouling	AMP XIM32, "Water Chemistry," and AMP XIM32, "One-Time Inspection"	No	BWR	A-62	VLAM-10A-62
Yes	No	No	No	06	A4	AP-140	<a href="#">1.3.1.025</a>		M	VLAM-AP-140	3.5.1.022	Piping, piping components	Copper alloy	Treated water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM32, "Water Chemistry," and AMP XIM32, "One-Time Inspection"	No	BWR	A-64	VLAM-10A-64
Yes	No	No	No	06	A4	AP-189	<a href="#">1.3.1.046</a>		M	VLAM-AP-189	3.5.1.046	Heat exchanger components	Steel	Closed-cycle cooling water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM32A, "Closed-Treated Water Systems"	No	BWR	A-63	VLAM-10A-63
Yes	No	No	No	06	A4	AP-199	<a href="#">1.3.1.046</a>		M	VLAM-AP-199	3.5.1.046	Piping, piping components	Copper alloy	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM32A, "Closed-Treated Water Systems"	No	BWR	A-12	VLAM-10A-12
Yes	No	No	No	06	A4	AP-31	<a href="#">1.3.1.072</a>		M	VLAM-AP-31	3.5.1.072	Piping, piping components	Gray cast iron, ductile iron	Treated water	Loss of material due to selective leaching	AMP XIM33, "Selective Leaching"	No	BWR		MLA4-15(JP-31)
Yes	No	No	No	06	A4	AP-32	<a href="#">1.3.1.072</a>		M	VLAM-AP-32	3.5.1.072	Piping, piping components	Copper alloy (≥15% Zn or ≥6% Al)	Treated water	Loss of material due to selective leaching	AMP XIM33, "Selective Leaching"	No	BWR		MLA4-15(JP-32)
Yes	No	No	No	06	A4	AP-43	<a href="#">1.3.1.072</a>		M	VLAM-AP-43	3.5.1.072	Piping, piping components	Copper alloy (≥15% Zn or ≥6% Al)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM33, "Selective Leaching"	No	BWR		MLA4-15(JP-43)
Yes	No	Yes	No	06	B	A06	<a href="#">1.3.1.004</a>		D	VLAM-A06										
Yes	No	No	No	06	B	A06	<a href="#">1.3.1.004</a>		M	VLAM-A06	3.5.1.001	Cranes, bridges, structural members, structural components	Steel	Any	Cumulative fatigue damage due to fatigue	FLAA, DFP-SLR Section 4.7, "Other Plant-Specific FLAA"	Yes	BWR		VLB-3(JA-06)
Yes	No	No	No	06	B	A07	<a href="#">1.3.1.004</a>		N	VLAM-A07	3.5.1.052	Cranes, rails, bridges, structural members, structural components	Steel	Air	Loss of material due to general corrosion, wear, deformation, cracking	AMP XIM32, "Inspection of Overhead Heavy Load and Light-Load (Related to Reducing Handling Systems)"	No	BWR		VLB-3(JA-07)
Yes	Yes	No	No	06	B	A730	<a href="#">1.3.1.199</a>		N	VLAM-A730	3.5.1.199	Cranes, structural loading	Steel	Air	Loss of material due to surface corrosion, loss of material due to general corrosion	AMP XIM32, "Inspection of Overhead Heavy Load and Light-Load (Related to Reducing Handling Systems)"	No	BWR		
Yes	Yes	Yes	No	06	B	A731	<a href="#">1.3.1.199</a>		D	VLAM-A731										
Yes	No	No	No	06	C1	A02	<a href="#">1.3.1.072</a>		M	VLAM-A02	3.5.1.072	Piping, piping components	Gray cast iron, ductile iron	Raw water	Loss of material due to selective leaching	AMP XIM33, "Selective Leaching"	No	BWR		VLAM-10A-02
Yes	No	No	No	06	C1	A400	<a href="#">1.3.1.126</a>	LR-ISO-2012-02	M	VLAM-A400	3.5.1.127	Piping, piping components, tanks	Metallic	Raw water	Loss of material due to recurring internal corrosion	AMP XIM32, "Open-Cycle Cooling Water System"	Yes	BWR		
Yes	No	Yes	No	06	C1	A406	<a href="#">1.3.1.126</a>	LR-ISO-2012-02	D	VLAM-A406										
Yes	No	No	No	06	C1	A408	<a href="#">1.3.1.126</a>	LR-ISO-2012-01	M	VLAM-A408	3.5.1.126	Piping, piping components	Metallic	Raw water	Wall thinning due to erosion	AMP XIM37, "Flow-Accelerated Corrosion"	No	BWR		
Yes	No	No	No	06	C1	A414	<a href="#">1.3.1.138</a>	LR-ISO-2013-01	M	VLAM-A414	3.5.1.139	Piping, piping components, heat exchanger tanks with internal coatings/tank	Any material with an internal coating/tank	Raw water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM32, "Internal Coatings/Insulations for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR		
Yes	No	No	No	06	C1	A415	<a href="#">1.3.1.140</a>	LR-ISO-2013-01	M	VLAM-A415	3.5.1.140	Piping, piping components with internal coatings/tank	Gray cast iron, ductile iron with internal coatings/tank	Closed-cycle cooling water, raw water, treated water, waste water	Loss of material due to selective leaching	AMP XIM32, "Internal Coatings/Insulations for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR		
Yes	No	No	No	06	C1	A416	<a href="#">1.3.1.138</a>	LR-ISO-2013-01	M	VLAM-A416	3.5.1.138	Piping, piping components, heat exchanger tanks with internal coatings/tank	Any material with an internal coating/tank	Raw water	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, cracking, physical damage, loss of material or cracking for permeation coatings/tank	AMP XIM32, "Internal Coatings/Insulations for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR		
Yes	Yes	Yes	No	06	C1	A417	<a href="#">1.3.1.066</a>		N	VLAM-A417	3.5.1.066	Heat exchanger components	Steel	Condensation	Loss of material due to general, pitting, crevice corrosion	AMP XIM32, "External Surfaces Monitoring of Mechanical Components"	No	BWR		
Yes	Yes	Yes	No	06	C1	A418	<a href="#">1.3.1.066</a>		D	VLAM-A418										
Yes	Yes	Yes	No	06	C1	A419	<a href="#">1.3.1.066</a>		N	VLAM-A419	3.5.1.066	Heat exchanger tubes internal to components	Steel, stainless steel, copper alloy, aluminum, titanium	Air, condensation (external)	Reduction of heat transfer due to fouling	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR		
Yes	Yes	Yes	No	06	C1	A426	<a href="#">1.3.1.193</a>		D	VLAM-A426										
Yes	Yes	Yes	No	06	C1	A451A	<a href="#">1.3.1.193</a>		N	VLAM-A451A	3.5.1.193	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM32, "One-Time Inspection"	Yes	BWR		
Yes	Yes	No	No	06	C1	A455B	<a href="#">1.3.1.193</a>		N	VLAM-A455B	3.5.1.193	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM32, "External Surfaces Monitoring of Mechanical Components"	Yes	BWR		
Yes	Yes	No	No	06	C1	A451C	<a href="#">1.3.1.193</a>		N	VLAM-A451C	3.5.1.193	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR		
Yes	Yes	No	No	06	C1	A451D	<a href="#">1.3.1.193</a>		N	VLAM-A451D	3.5.1.193	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR		
Yes	Yes	No	No	06	C1	A454	<a href="#">1.3.1.158</a>		N	VLAM-A454	3.5.1.158	Piping, piping components, heat exchanger components (for components not covered by NRC CL 89-19)	Nickel alloy	Raw water	Loss of material due to pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR		
Yes	Yes	Yes	No	06	C1	A455	<a href="#">1.3.1.126</a>		D	VLAM-A455										
Yes	Yes	Yes	No	06	C1	A457	<a href="#">1.3.1.126</a>		N	VLAM-A457	3.5.1.172	Piping, piping components	PVC	Air – outdoor	Reduction in impact strength due to photo-degradation	AMP XIM32, "External Surfaces Monitoring of Mechanical Components"	No	BWR		
Yes	Yes	No	No	06	C1	A459	<a href="#">1.3.1.126</a>		N	VLAM-A459										
Yes	Yes	No	No	06	C1	A460	<a href="#">1.3.1.175</a>		N	VLAM-A460	3.5.1.175	Piping, piping components, tanks (for components not covered by NRC CL 89-19)	Fiberglass	Raw water	Cracking, blistering, change in color due to water absorption	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR		
Yes	Yes	No	No	06	C1	A461	<a href="#">1.3.1.176</a>		N	VLAM-A461	3.5.1.176	Piping, piping components, tanks (for components not covered by NRC CL 89-19)	Fiberglass	Raw water	Loss of material due to wear	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR		
Yes	Yes	Yes	No	06	C1	A468	<a href="#">1.3.1.072</a>		D	VLAM-A468										
Yes	No	No	No	06	C1	A471	<a href="#">1.3.1.072</a>		M	VLAM-A471	3.5.1.072	Piping, piping components	Copper alloy (≥15% Zn or ≥6% Al)	Raw water	Loss of material due to selective leaching	AMP XIM33, "Selective Leaching"	No	BWR		VLAM-10A-47
Yes	Yes	No	No	06	C1	A473B	<a href="#">1.3.1.160</a>		N	VLAM-A473B	3.5.1.160	Piping, piping components, heat exchanger components	Copper alloy (≥15% Zn or ≥6% Al)	Raw water	Cracking due to SCC	AMP XIM32, "Open-Cycle Cooling Water System"	No	BWR		
Yes	No	No	No	06	C1	A451	<a href="#">1.3.1.072</a>		M	VLAM-A451	3.5.1.072	Piping, piping components	Gray cast iron, ductile iron	Raw water	Loss of material due to selective leaching	AMP XIM33, "Selective Leaching"	No	BWR		VLAM-10A-51
Yes	Yes	No	No	06	C1	A532	<a href="#">1.3.1.160</a>		N	VLAM-A532	3.5.1.163	Any	Steel	Raw water	Long-term loss of material due to general corrosion	AMP XIM32, "One-Time Inspection"	No	BWR		
Yes	No	No	No	06	C1	A54	<a href="#">1.3.1.046</a>		M	VLAM-A54	3.5.1.040	Piping, piping components	Stainless steel	Raw water	Loss of material due to pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP XIM32, "Open-Cycle Cooling Water System"	No	BWR		VLAM-10A-54
No	No	No	No	06	C1	A66	<a href="#">1.3.1.072</a>		M	VLAM-A66	3.5.1.072	Heat exchanger components	Copper alloy (≥15% Zn or ≥6% Al)	Raw water	Loss of material due to selective leaching	AMP XIM33, "Selective Leaching"	No	BWR		VLAM-10A-66
Yes	Yes	Yes	No	06	C1	A714A	<a href="#">1.3.1.236</a>		D	VLAM-A714A										
Yes	Yes	Yes	No	06	C1	A714B	<a href="#">1.3.1.236</a>		D	VLAM-A714B										
Yes	Yes	Yes	No	06	C1	A714C	<a href="#">1.3.1.236</a>		D	VLAM-A714C										
Yes	No	No	No	06	C1	A72	<a href="#">1.3.1.134</a>	LR-ISO-2012-02	M	VLAM-A72	3.5.1.134	Piping, piping components, heat exchanger components (for components not covered by NRC CL 89-19)	Steel, stainless steel, copper alloy	Raw water	Loss of material due to general (steel), copper alloy (pitting, crevice corrosion, MIC), flow blockage due to fouling	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR		
Yes	Yes	Yes	No	06	C1	A733	<a href="#">1.3.1.207</a>		D	VLAM-A733										
Yes	Yes	No	No	06	C1	A738	<a href="#">1.3.1.207</a>		N	VLAM-A738	3.5.1.207	Heat exchanger tubes (for components not covered by NRC CL 89-19)	Stainless steel, copper alloy	Raw water	Reduction of heat transfer due to fouling	AMP XIM32, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR		
Yes	Yes	No	No																	



Yes	Yes	No	No	U	C1	A776a	<a href="#">13.1.242</a>	N	WC1A776a	3.1.1.247	Piping, piping components, tanks	Aluminum	Raw water, waste water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWRPWR			
Yes	Yes	No	No	U	C1	A776b	<a href="#">13.1.242</a>	N	WC1A776b	3.1.1.247	Piping, piping components, tanks	Aluminum	Raw water, waste water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "One-Time Inspection"	Yes	BWRPWR			
Yes	Yes	No	No	U	C1	A776c	<a href="#">13.1.242</a>	N	WC1A776c	3.1.1.247	Piping, piping components, tanks	Aluminum	Raw water, waste water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR			
Yes	Yes	No	No	U	C1	A776d	<a href="#">13.1.235</a>	N	WC1A776d	3.1.1.247	Piping, piping components, tanks	Aluminum	Raw water, waste water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR			
Yes	Yes	No	No	U	C1	A778	<a href="#">13.1.248</a>	N	WC1A778	3.1.1.249	Heat exchanger tubes internal to components	Steel	Acidulent air, indoor uncontaminated, condensation	Loss of material due to general, pitting crevice corrosion	AMP XIM3, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	No	No	U	C1	A781a	<a href="#">13.1.248</a>	N	WC1A781a	3.1.1.251	Piping, piping components	Aluminum	Raw water	"Fire blockage due to fouling"	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR			
Yes	Yes	No	No	U	C1	A781b	<a href="#">13.1.251</a>	N	WC1A781b	3.1.1.251	Piping, piping components, heat exchanger components not covered by NRC CL 8b-31	Aluminum	Raw water	"Fire blockage due to fouling"	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	No	No	U	C1	A787a	<a href="#">13.1.253</a>	N	WC1A787a	3.1.1.253	Piping, piping components	PVC	Raw water	Loss of material due to wear, flow blockage due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR			
Yes	Yes	No	No	U	C1	A787b	<a href="#">13.1.253</a>	N	WC1A787b	3.1.1.253	Piping, piping components, heat exchanger components not covered by NRC CL 8b-31	PVC	Raw water	Loss of material due to wear, flow blockage due to fouling	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	No	No	U	C1	A789a	<a href="#">13.1.256</a>	N	WC1A789a	3.1.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR			
Yes	Yes	No	No	U	C1	A789b	<a href="#">13.1.256</a>	N	WC1A789b	3.1.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	No	No	U	C1	A791	<a href="#">13.1.257</a>	N	WC1A791	3.1.1.257	Heat exchanger tubes	Steel, stainless steel, copper alloy	Lubricating oil	Reduction of heat transfer due to fouling	AMP XIM3, "Lubricating Oil Analysis," and AMP XIM2, "One-Time Inspection"	No	BWRPWR			
Yes	No	No	No	U	C1	AP-127	<a href="#">13.1.097</a>	M	WC1AP-127	3.1.1.097	Piping, piping components	Steel	Lubricating oil	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM3, "Lubricating Oil Analysis," and AMP XIM2, "One-Time Inspection"	Yes	BWRPWR	AP-30	WC1-13(P-30)	
Yes	No	No	No	U	C1	AP-133	<a href="#">13.1.099</a>	M	WC1AP-133	3.1.1.099	Piping, piping components	Copper alloy	Lubricating oil	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM3, "Lubricating Oil Analysis," and AMP XIM2, "One-Time Inspection"	Yes	BWRPWR	AP-47	WC1-6(P-47)	
Yes	No	Yes	No	U	C1	AP-138	<a href="#">13.1.102</a>	M	WC1AP-138	3.1.1.100	Piping, piping components	Stainless steel	Lubricating oil	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM3, "Lubricating Oil Analysis," and AMP XIM2, "One-Time Inspection"	Yes	BWRPWR	AP-59	WC1-14(P-59)	
Yes	No	Yes	No	U	C1	AP-153	<a href="#">13.1.098</a>	D	WC1AP-153		Piping, piping components	Stainless steel	Lubricating oil	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM3, "Lubricating Oil Analysis," and AMP XIM2, "One-Time Inspection"					
Yes	No	Yes	No	U	C1	AP-155	<a href="#">13.1.098</a>	D	WC1AP-155		Piping, piping components	Stainless steel	Lubricating oil	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM3, "Lubricating Oil Analysis," and AMP XIM2, "One-Time Inspection"					
Yes	No	Yes	No	U	C1	AP-158	<a href="#">13.1.098</a>	D	WC1AP-158		Piping, piping components	Stainless steel	Lubricating oil	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM3, "Lubricating Oil Analysis," and AMP XIM2, "One-Time Inspection"					
Yes	No	Yes	No	U	C1	AP-179	<a href="#">13.1.038</a>	M	WC1AP-179	3.1.1.038	Heat exchanger components	Copper alloy	Raw water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	A-65	WC1-3(PA-65)	
Yes	No	No	No	U	C1	AP-183	<a href="#">13.1.038</a>	M	WC1AP-183	3.1.1.038	Heat exchanger components	Steel	Raw water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	A-64	WC1-6(PA-64)	
Yes	No	No	No	U	C1	AP-187	<a href="#">13.1.042</a>	M	WC1AP-187	3.1.1.042	Heat exchanger tubes	Stainless steel, copper alloy, titanium	Raw water	Reduction of heat transfer due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	AP-61	WC1-7(PA-61)	
Yes	No	No	No	U	C1	AP-194	<a href="#">13.1.037</a>	M	WC1AP-194	3.1.1.037	Piping, piping components	Stainless steel	Raw water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	A-38	WC1-15(PA-38)	
Yes	No	No	No	U	C1	AP-198	<a href="#">13.1.034</a>	M	WC1AP-198	3.1.1.034	Piping, piping components	Copper alloy	Raw water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	A-44	WC1-6(PA-44)	
Yes	No	Yes	No	U	C1	AP-198	<a href="#">13.1.034</a>	D	WC1AP-198		Piping, piping components	Copper alloy	Raw water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR			
Yes	No	No	No	U	C1	AP-206	<a href="#">13.1.034</a>	M	WC1AP-206	3.1.1.034	Piping, piping components	Nickel alloy	Raw water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	AP-63	WC1-13(PA-63)	
Yes	No	Yes	No	U	C1	AP-206a	<a href="#">13.1.034</a>	M	WC1AP-206a	3.1.1.034	Piping, piping components	Stainless steel	Ar, condensation	Cracking due to SCC	AMP XIM3, "External Surfaces Monitoring of Mechanical Components"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	Yes	No	U	C1	AP-206b	<a href="#">13.1.034</a>	M	WC1AP-206b	3.1.1.034	Piping, piping components	Stainless steel	Ar, condensation	Cracking due to SCC	AMP XIM3, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	Yes	No	U	C1	AP-206c	<a href="#">13.1.034</a>	M	WC1AP-206c	3.1.1.034	Piping, piping components, tanks	Stainless steel	Ar, condensation	Cracking due to SCC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	No	No	U	C1	AP-206d	<a href="#">13.1.034</a>	M	WC1AP-206d	3.1.1.034	Piping, piping components, tanks	Stainless steel	Ar, condensation	Cracking due to SCC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	No	No	U	C1	AP-206e	<a href="#">13.1.034</a>	M	WC1AP-206e	3.1.1.034	Tanks	Stainless steel	Ar, condensation	Cracking due to SCC	AMP XIM2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	No	No	U	C1	AP-221a	<a href="#">13.1.008</a>	M	WC1AP-221a	3.1.1.008	Piping, piping components	Stainless steel, nickel alloy	Ar, condensation	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "One-Time Inspection"	Yes	BWRPWR			
Yes	No	No	No	U	C1	AP-221b	<a href="#">13.1.008</a>	M	WC1AP-221b	3.1.1.008	Piping, piping components	Stainless steel, nickel alloy	Ar, condensation	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM3, "External Surfaces Monitoring of Mechanical Components"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	No	No	U	C1	AP-221c	<a href="#">13.1.008</a>	M	WC1AP-221c	3.1.1.008	Piping, piping components	Stainless steel, nickel alloy	Ar, condensation	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM3, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	No	No	U	C1	AP-221d	<a href="#">13.1.008</a>	M	WC1AP-221d	3.1.1.008	Piping, piping components	Stainless steel, nickel alloy	Ar, condensation	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	Yes	No	U	C1	AP-237	<a href="#">13.1.030</a>	D	WC1AP-237		Piping, piping components	Stainless steel	Ar, condensation	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR			
Yes	No	No	No	U	C1	AP-238	<a href="#">13.1.030a</a>	M	WC1AP-238	3.1.1.030a	Piping, piping components	Fiberglass	Raw water	Cracking, blistering, change in color due to water absorption, flow blockage due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	New Record in GALL 2		
Yes	No	No	No	U	C1	AP-239	<a href="#">13.1.030a</a>	M	WC1AP-239	3.1.1.030a	Piping, piping components	HDPE	Raw water	Cracking, blistering, change in color due to water absorption, flow blockage due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	New Record in GALL 2		
Yes	No	Yes	No	U	C1	AP-248	<a href="#">13.1.030</a>	D	WC1AP-248		Piping, piping components	Concrete	Raw water	Cracking due to chemical reaction, weathering, settlement, or corrosion of reinforcement (rebar), concrete and steel reinforcement	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	New Record in GALL 2		
Yes	No	Yes	No	U	C1	AP-249	<a href="#">13.1.030</a>	D	WC1AP-249		Piping, piping components	Concrete	Raw water	Cracking due to chemical reaction, weathering, settlement, or corrosion of reinforcement (rebar), concrete and steel reinforcement	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	New Record in GALL 2		
Yes	No	Yes	No	U	C1	AP-250	<a href="#">13.1.030</a>	D	WC1AP-250		Piping, piping components	Concrete	Raw water	Cracking due to chemical reaction, weathering, settlement, or corrosion of reinforcement (rebar), concrete and steel reinforcement	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	New Record in GALL 2		
Yes	No	Yes	No	U	C1	AP-251	<a href="#">13.1.030</a>	D	WC1AP-251		Piping, piping components	Concrete	Raw water	Cracking due to chemical reaction, weathering, settlement, or corrosion of reinforcement (rebar), concrete and steel reinforcement	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	New Record in GALL 2		
Yes	No	Yes	No	U	C1	AP-252	<a href="#">13.1.030</a>	D	WC1AP-252		Piping, piping components	Concrete	Raw water	Cracking due to chemical reaction, weathering, settlement, or corrosion of reinforcement (rebar), concrete and steel reinforcement	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWRPWR	New Record in GALL 2		
Yes	No	No	No	U	C1	AP-75	<a href="#">13.1.085</a>	M	WC1AP-75	3.1.1.085	Piping, piping components, tanks	Elastomer	Raw water	Hardening or loss of strength due to elastomer degradation	AMP XIM3, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR	WC1-13(P-75)	XIM3 EP change	
Yes	No	No	No	U	C1	AP-76	<a href="#">13.1.085</a>	M	WC1AP-76	3.1.1.085	Piping, piping components, tanks	Elastomer	Raw water	Hardening or loss of strength due to elastomer degradation	AMP XIM3, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR	WC1-13(P-76)	XIM3 EP change	
Yes	No	Yes	No	U	C1	A400	<a href="#">13.1.132</a>	D	WC2A400		Piping, piping components, heat exchanger components	Any material with an internal coating/lining	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	No	Yes	No	U	C1	A414	<a href="#">13.1.138</a>	M	WC2A414	3.1.1.138	Piping, piping components, heat exchanger components, tanks with internal coatings/lining	Any material with an internal coating/lining	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	No	No	No	U	C2	A415	<a href="#">13.1.140</a>	M	WC2A415	3.1.1.140	Piping components with internal coatings/lining	Gray cast iron, ductile iron with an internal coating/lining	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	No	No	No	U	C2	A416	<a href="#">13.1.138</a>	M	WC2A416	3.1.1.138	Piping, piping components, heat exchanger components, tanks with internal coatings/lining	Any material with an internal coating/lining	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	No	No	U	C2	A439	<a href="#">13.1.193</a>	N	WC2A439	3.1.1.193	Any	Steel	Treated water	Long-term loss of material due to acid corrosion	AMP XIM2, "One-Time Inspection"	No	BWRPWR			
Yes	Yes	No	No	U	C2	A451a	<a href="#">13.1.189</a>	N	WC2A451a	3.1.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, raw water, waste water	Cracking due to SCC	AMP XIM2, "One-Time Inspection"	Yes	BWRPWR			
Yes	Yes	No	No	U	C2	A451b	<a href="#">13.1.189</a>	N	WC2A451b	3.1.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, raw water, waste water	Cracking due to SCC	AMP XIM3, "External Surfaces Monitoring of Mechanical Components"	Yes	BWRPWR			
Yes	Yes	No	No	U	C2	A451c	<a href="#">13.1.189</a>	N	WC2A451c	3.1.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, raw water, waste water	Cracking due to SCC	AMP XIM3, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR			
Yes	Yes	No	No	U	C2	A451d	<a href="#">13.1.189</a>	N	WC2A451d	3.1.1.189	Piping, piping components, tanks	Aluminum	Ar, condensation, raw water, waste water	Cracking due to SCC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR			
Yes	Yes	Yes	No	U	C2	A464	<a href="#">13.1.147</a>	D	WC2A464		Piping, piping components	Nickel alloy, nickel alloy (60/40)	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	U	C2	A468	<a href="#">13.1.147</a>	D	WC2A468		Piping, piping components	Nickel alloy, nickel alloy (60/40)	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	No	No	U	C2	A471	<a href="#">13.1.147</a>	N	WC2A471	3.1.1.147	Piping, piping components	Aluminum	Ar, condensation, raw water, waste water	Cracking due to SCC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	No	No	U	C2	A473a	<a href="#">13.1.160</a>	N	WC2A473a	3.1.1.160	Piping, piping components, heat exchanger components	Copper alloy (70/30 Zn or 90/10 Al)	Closed-cycle cooling water	Cracking due to SCC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	U	C2	A477	<a href="#">13.1.072</a>	D	WC2A477		Piping, piping components	Stainless steel	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM3, "Selective Leaching"	No	BWRPWR			
Yes	No	No	No	U	C2	A480	<a href="#">13.1.072</a>	M	WC2A480		Piping, piping components	Stainless steel	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM3, "Selective Leaching"	No	BWRPWR			
Yes	No	No	No	U	C2	A482	<a href="#">13.1.049</a>	M	WC2A482	3.1.1.049	Piping, piping components	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	U	C2	A744a	<a href="#">13.1.214</a>	N	WC2A744a		Piping, piping components	Copper alloy (70/30 Zn or 90/10 Al)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM3, "Selective Leaching"	No	BWRPWR			
Yes	Yes	Yes	No	U	C2	A744b	<a href="#">13.1.214</a>	N	WC2A744b		Piping, piping components	Copper alloy (70/30 Zn or 90/10 Al)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM3, "Selective Leaching"	No	BWRPWR			
Yes	Yes	Yes	No	U	C2	A744c	<a href="#">13.1.214</a>	N	WC2A744c		Piping, piping components	Copper alloy (70/30 Zn or 90/10 Al)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM3, "Selective Leaching"	No	BWRPWR			
Yes	Yes	Yes	No	U	C2	A749	<a href="#">13.1.214</a>	N	WC2A749		Piping, piping components	Copper alloy (70/30 Zn or 90/10 Al)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM3, "Selective Leaching"	No	BWRPWR			
Yes	Yes	Yes	No	U	C2	A760	<a href="#">13.1.238</a>	N	WC2A760	3.1.1.238	Heat									



Yes	No	No	No	W	C2	AP-254	<a href="#">1.1.1.046</a>		MPC-WP-254	3.1.1.046	Piping piping components	Aluminum	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion	AMP-XM214, "Closed Treated Water Systems"	No	BAR/PWR	New Record in GALL 2
Yes	No	Yes	No	W	C2	AP-257	<a href="#">1.1.1.047</a>		MPC-WP-257	3.1.1.047	Piping piping components	Aluminum	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion	AMP-XM214, "Closed Treated Water Systems"	No	BAR/PWR	New Record in GALL 2
Yes	No	Yes	No	W	C2	AP-259	<a href="#">1.1.1.051</a>		MPC-WP-259	3.1.1.051	Piping piping components	Elastomer	Closed-cycle cooling water	Flattening or loss of strength due to elastomer degradation	AMP-XM268, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	No	BAR/PWR	New Record in GALL 2
Yes	No	No	No	W	C2	AP-31	<a href="#">1.1.1.072</a>		MPC-WP-31	3.1.1.072	Piping piping components	Gray cast iron, ductile iron	Loss of material due to selective leaching	AMP-XM33, "Selective Leaching"	No	BAR/PWR	WC-2.3(A)P-11	
Yes	No	No	No	W	C2	AP-32	<a href="#">1.1.1.073</a>		MPC-WP-32	3.1.1.072	Piping piping components	Treated water	Loss of material due to selective leaching	AMP-XM33, "Selective Leaching"	No	BAR/PWR	WC-2.3(A)P-22	
Yes	No	No	No	C	AP-43	<a href="#">1.1.1.073</a>		MPC-WP-43	3.1.1.072	Piping piping components	Copper alloy (15% Zn or +8% Ni)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP-XM33, "Selective Leaching"	No	BAR/PWR	WC-2.3(A)P-43	
Yes	No	No	No	W	C2	AP-432	<a href="#">1.1.1.073</a>		MPC-WP-432	3.1.1.072	Piping piping components	Gray cast iron, ductile iron	Loss of material due to selective leaching	AMP-XM33, "Selective Leaching"	No	BAR/PWR	WC-2.3(A)P-42	
Yes	No	No	No	W	C2	AP-440	<a href="#">1.1.1.147</a>	LR-ISO-2012-02	MPC-A400	3.1.1.127	Piping piping components	Metals	Raw water	Loss of material due to recurring internal corrosion	AMP-XM20, "Open-Cycle Cooling Water System"	Yes	BAR/PWR	
Yes	No	No	No	W	C2	AP-441	<a href="#">1.1.1.148</a>	LR-ISO-2012-02	MPC-A401	3.1.1.128	Tanks within the scope of AMP-XM20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel	Sol., concrete, air, condensation, raw water	Loss of material due to general pitting, crevice corrosion, MIC (incl. raw water condensates only)	AMP-XM20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	BAR/PWR	
Yes	No	Yes	No	W	C3	A4-65	<a href="#">1.1.1.150</a>	LR-ISO-2012-02	MPC-A465		Tanks within the scope of AMP-XM20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel, stainless steel, aluminum	Treated water	Loss of material due to general pitting only, pitting, crevice corrosion, MIC (incl. stainless steel only)	AMP-XM20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	BAR/PWR	
Yes	No	No	No	W	C3	A4-14	<a href="#">1.1.1.150</a>	LR-ISO-2013-01	MPC-A414	3.1.1.139	Piping piping components with internal coatings/linings	Any material with an internal coating/lining	Raw water	Loss of material due to general pitting, crevice corrosion, MIC	AMP-XM24, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BAR/PWR	
Yes	No	No	No	W	C3	A4-15	<a href="#">1.1.1.150</a>	LR-ISO-2013-01	MPC-A415	3.1.1.140	Piping piping components with internal coatings/linings	Gray cast iron, ductile iron with internal coating/lining	Closed-cycle cooling water, raw water, treated water, waste water	Loss of material due to selective leaching	AMP-XM24, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BAR/PWR	
Yes	No	No	No	W	C3	A4-16	<a href="#">1.1.1.150</a>	LR-ISO-2013-01	MPC-A416	3.1.1.138	Piping piping components with internal coatings/linings	Any material with an internal coating/lining	Raw water	Loss of coating or fitting integrity due to blistering, cracking, delating, swelling, delamination, routing, physical damage, loss of material or cracking for cementitious coatings/linings	AMP-XM24, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BAR/PWR	
Yes	Yes	Yes	No	W	C3	A4-28	<a href="#">1.1.1.150</a>		MPC-A428									
Yes	Yes	Yes	No	W	C3	A4-28	<a href="#">1.1.1.150</a>		MPC-A428									
Yes	Yes	No	W	C3	A4-51A	<a href="#">1.1.1.150</a>		MPC-A451A	3.1.1.189	Piping piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP-XM22, "One-Time Inspection"	Yes	BAR/PWR		
Yes	Yes	No	W	C3	A4-51B	<a href="#">1.1.1.150</a>		MPC-A451B	3.1.1.189	Piping piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP-XM26, "External Surface Monitoring of Mechanical Components"	Yes	BAR/PWR		
Yes	Yes	No	W	C3	A4-51C	<a href="#">1.1.1.150</a>		MPC-A451C	3.1.1.189	Piping piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP-XM28, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	W	C3	A4-51D	<a href="#">1.1.1.150</a>		MPC-A451D	3.1.1.189	Piping piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP-XM24, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	W	C3	A4-58	<a href="#">1.1.1.150</a>		MPC-A458										
Yes	No	No	W	C3	A4-67	<a href="#">1.1.1.072</a>		MPC-A467	3.1.1.072	Piping piping components	Copper alloy (15% Zn or +8% Ni)	Raw water	Loss of material due to selective leaching	AMP-XM33, "Selective Leaching"	No	BAR/PWR	WC-2.3(A)-47	
Yes	Yes	No	No	W	C3	A4-62A	<a href="#">1.1.1.150</a>		MPC-A462A	3.1.1.186	Tanks within the scope of AMP-XM20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, sol., concrete, raw water, waste water	Cracking due to SCC	AMP-XM20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BAR/PWR	
Yes	Yes	No	No	W	C3	A4-62B	<a href="#">1.1.1.150</a>		MPC-A462B	3.1.1.186	Tanks within the scope of AMP-XM20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, sol., concrete, raw water, waste water	Cracking due to SCC	AMP-XM22, "One-Time Inspection"	Yes	BAR/PWR	
Yes	Yes	No	No	W	C3	A4-62C	<a href="#">1.1.1.150</a>		MPC-A462C	3.1.1.186	Tanks within the scope of AMP-XM20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, sol., concrete, raw water, waste water	Cracking due to SCC	AMP-XM24, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR	
Yes	No	No	No	W	C3	A4-63	<a href="#">1.1.1.072</a>		MPC-A463	3.1.1.072	Piping piping components	Gray cast iron, ductile iron	Raw water	Loss of material due to selective leaching	AMP-XM33, "Selective Leaching"	No	BAR/PWR	WC-2.3(A)-51
Yes	No	No	No	W	C3	A4-63	<a href="#">1.1.1.072</a>		MPC-A463	3.1.1.072	Piping piping components	Stainless steel	Raw water	Loss of material due to pitting, crevice corrosion, MIC, low blockage due to buildup	AMP-XM25, "One-Time Inspection"	No	BAR/PWR	WC-2.3(A)-53
Yes	Yes	No	No	W	C3	A4-62	<a href="#">1.1.1.150</a>		MPC-A462	3.1.1.193	Any	Steel	Raw water	Long-term loss of material due to general corrosion	AMP-XM22, "One-Time Inspection"	No	BAR/PWR	
Yes	Yes	Yes	No	W	C3	A4-74A	<a href="#">1.1.1.150</a>		MPC-A474A									
Yes	Yes	Yes	No	W	C3	A4-74B	<a href="#">1.1.1.150</a>		MPC-A474B									
Yes	Yes	Yes	No	W	C3	A4-74C	<a href="#">1.1.1.150</a>		MPC-A474C									
Yes	Yes	Yes	No	W	C3	A4-74D	<a href="#">1.1.1.150</a>		MPC-A474D									
Yes	Yes	Yes	No	W	C3	A4-74E	<a href="#">1.1.1.150</a>		MPC-A474E									
Yes	Yes	Yes	No	W	C3	A4-74F	<a href="#">1.1.1.150</a>		MPC-A474F									
Yes	Yes	Yes	No	W	C3	A4-74G	<a href="#">1.1.1.150</a>		MPC-A474G									
Yes	Yes	Yes	No	W	C3	A4-74H	<a href="#">1.1.1.150</a>		MPC-A474H									
Yes	Yes	Yes	No	W	C3	A4-74I	<a href="#">1.1.1.150</a>		MPC-A474I									
Yes	Yes	Yes	No	W	C3	A4-74J	<a href="#">1.1.1.150</a>		MPC-A474J									
Yes	Yes	Yes	No	W	C3	A4-74K	<a href="#">1.1.1.150</a>		MPC-A474K									
Yes	Yes	Yes	No	W	C3	A4-74L	<a href="#">1.1.1.150</a>		MPC-A474L									
Yes	Yes	Yes	No	W	C3	A4-74M	<a href="#">1.1.1.150</a>		MPC-A474M									
Yes	Yes	Yes	No	W	C3	A4-74N	<a href="#">1.1.1.150</a>		MPC-A474N									
Yes	Yes	Yes	No	W	C3	A4-74O	<a href="#">1.1.1.150</a>		MPC-A474O									
Yes	Yes	Yes	No	W	C3	A4-74P	<a href="#">1.1.1.150</a>		MPC-A474P									
Yes	Yes	Yes	No	W	C3	A4-74Q	<a href="#">1.1.1.150</a>		MPC-A474Q									
Yes	Yes	Yes	No	W	C3	A4-74R	<a href="#">1.1.1.150</a>		MPC-A474R									
Yes	Yes	Yes	No	W	C3	A4-74S	<a href="#">1.1.1.150</a>		MPC-A474S									
Yes	Yes	Yes	No	W	C3	A4-74T	<a href="#">1.1.1.150</a>		MPC-A474T									
Yes	Yes	Yes	No	W	C3	A4-74U	<a href="#">1.1.1.150</a>		MPC-A474U									
Yes	Yes	Yes	No	W	C3	A4-74V	<a href="#">1.1.1.150</a>		MPC-A474V									
Yes	Yes	Yes	No	W	C3	A4-74W	<a href="#">1.1.1.150</a>		MPC-A474W									
Yes	Yes	Yes	No	W	C3	A4-74X	<a href="#">1.1.1.150</a>		MPC-A474X									
Yes	Yes	Yes	No	W	C3	A4-74Y	<a href="#">1.1.1.150</a>		MPC-A474Y									
Yes	Yes	Yes	No	W	C3	A4-74Z	<a href="#">1.1.1.150</a>		MPC-A474Z									
Yes	Yes	Yes	No	W	C3	A4-74AA	<a href="#">1.1.1.150</a>		MPC-A474AA									
Yes	Yes	Yes	No	W	C3	A4-74AB	<a href="#">1.1.1.150</a>		MPC-A474AB									
Yes	Yes	Yes	No	W	C3	A4-74AC	<a href="#">1.1.1.150</a>		MPC-A474AC									
Yes	Yes	Yes	No	W	C3	A4-74AD	<a href="#">1.1.1.150</a>		MPC-A474AD									
Yes	Yes	Yes	No	W	C3	A4-74AE	<a href="#">1.1.1.150</a>		MPC-A474AE									
Yes	Yes	Yes	No	W	C3	A4-74AF	<a href="#">1.1.1.150</a>		MPC-A474AF									
Yes	Yes	Yes	No	W	C3	A4-74AG	<a href="#">1.1.1.150</a>		MPC-A474AG									
Yes	Yes	Yes	No	W	C3	A4-74AH	<a href="#">1.1.1.150</a>		MPC-A474AH									
Yes	Yes	Yes	No	W	C3	A4-74AI	<a href="#">1.1.1.150</a>		MPC-A474AI									
Yes	Yes	Yes	No	W	C3	A4-74AJ	<a href="#">1.1.1.150</a>		MPC-A474AJ									
Yes	Yes	Yes	No	W	C3	A4-74AK	<a href="#">1.1.1.150</a>		MPC-A474AK									
Yes	Yes	Yes	No	W	C3	A4-74AL	<a href="#">1.1.1.150</a>		MPC-A474AL									
Yes	Yes	Yes	No	W	C3	A4-74AM	<a href="#">1.1.1.150</a>		MPC-A474AM									
Yes	Yes	Yes	No	W	C3	A4-74AN	<a href="#">1.1.1.150</a>		MPC-A474AN									
Yes	Yes	Yes	No	W	C3	A4-74AO	<a href="#">1.1.1.150</a>		MPC-A474AO									
Yes	Yes	Yes	No	W	C3	A4-74AP	<a href="#">1.1.1.150</a>		MPC-A474AP									
Yes	Yes	Yes	No	W	C3	A4-74AQ	<a href="#">1.1.1.150</a>		MPC-A474AQ									
Yes	Yes	Yes	No	W	C3	A4-74AR	<a href="#">1.1.1.150</a>		MPC-A474AR									
Yes	Yes	Yes	No	W	C3	A4-74AS	<a href="#">1.1.1.150</a>		MPC-A474AS									
Yes	Yes	Yes	No	W	C3	A4-74AT	<a href="#">1.1.1.150</a>		MPC-A474AT									
Yes	Yes	Yes	No	W	C3	A4-74AU	<a href="#">1.1.1.150</a>		MPC-A474AU									
Yes	Yes	Yes	No	W	C3	A4-74AV	<a href="#">1.1.1.150</a>		MPC-A474AV									
Yes	Yes	Yes	No	W	C3	A4-74AW	<a href="#">1.1.1.150</a>		MPC-A474AW									
Yes	Yes	Yes	No	W	C3	A4-74AX	<a href="#">1.1.1.150</a>		MPC-A474AX									
Yes	Yes	Yes	No	W	C3	A4-74AY	<a href="#">1.1.1.150</a>		MPC-A474AY									
Yes	Yes	Yes	No	W	C3	A4-74AZ	<a href="#">1.1.1.150</a>		MPC-A474AZ									
Yes	Yes	Yes	No	W	C3	A4-74BA	<a href="#">1.1.1.150</a>		MPC-A474BA									
Yes	Yes	Yes	No	W	C3	A4-74BB	<a href="#">1.1.1.150</a>		MPC-A474BB									
Yes	Yes	Yes	No	W	C3	A4-74BC	<a href="#">1.1.1.150</a>		MPC-A474BC									
Yes	Yes	Yes	No	W	C3	A4-74BD	<a href="#">1.1.1.150</a>		MPC-A474BD									
Yes	Yes	Yes	No	W	C3	A4-74BE	<a href="#">1.1.1.150</a>		MPC-A474BE									
Yes	Yes	Yes	No	W	C3	A4-74BF	<a href="#">1.1.1.150</a>		MPC-A474BF									
Yes	Yes	Yes	No	W	C3	A4-74BG	<a href="#">1.1.1.150</a>		MPC-A474BG									
Yes	Yes	Yes	No	W	C3	A4-74BH	<a href="#">1.1.1.150</a>		MPC-A474BH									
Yes	Yes	Yes	No	W	C3	A4-74BI	<a href="#">1.1.1.150</a>		MPC-A474BI									
Yes	Yes	Yes	No	W	C3	A4-74BJ	<a href="#">1.1.1.150</a>		MPC-A474BJ									
Yes	Yes	Yes	No	W	C3	A4-74BK	<a href="#">1.1.1.150</a>		MPC-A474BK									
Yes	Yes	Yes	No	W	C3	A4-74BL	<a href="#">1.1.</a>											



[illegible]



Yes	No	No	No	W	E2	AP-181	<a href="#">1.3.1.019</a>		M	WE2-AP-181	3.5.1.018	Piping, piping components, tanks	Stainless steel	Sodium pentaborate solution 40°C (>140°F)	Cracking due to SCC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR	A.59	WE2-3(A.58)	
Yes	No	No	No	W	E3	A.34	<a href="#">1.3.1.020</a>		M	WE3-A.34	3.5.1.022	Piping, piping components	Steel	Any	Cumulative fatigue damage due to fatigue	T.LAA SRP-BLR Section 4.3 "Metal Fatigue"	Yes	BWR		WE3-17(A.34)	
Yes	No	Yes	No	W	E3	A.400		LR-ISO-2012-02	O	WE3-A.400											
Yes	No	Yes	No	W	E3	A.400		LR-ISO-2012-02	O	WE3-A.400											
Yes	No	No	No	W	E3	A.400	<a href="#">1.3.1.105</a>		M	WE3-A.400	3.5.1.126	Piping, piping components	Metallic	Treated water	Flow burning due to erosion	AMP X.M1, "Flow Accelerated Corrosion"	No	BWR			
Yes	No	Yes	No	W	E3	A.414		LR-ISO-2013-01	O	WE3-A.414	3.5.1.140	Piping components with internal coatings/livings	Gray cast iron, cooling water, raw water, treated water, waste water	Closed-cycle cooling water, raw water, treated water, waste water	Loss of material due to selective leaching	AMP X.M2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	No	Yes	No	W	E3	A.416	<a href="#">1.3.1.146</a>		M	WE3-A.416	3.5.1.140	Piping components with internal coatings/livings	Gray cast iron, cooling water, raw water, treated water, waste water	Closed-cycle cooling water, raw water, treated water, waste water	Loss of material due to selective leaching	AMP X.M2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	No	Yes	No	W	E3	A.416		LR-ISO-2013-01	O	WE3-A.416	3.5.1.193	Any	Any	Any	Long-term loss of material due to active corrosion	AMP X.M2, "One-Time Inspection"	No	BWR			
Yes	Yes	No	No	W	E3	A.439	<a href="#">1.3.1.193</a>		N	WE3-A.439	3.5.1.189	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M2, "One-Time Inspection"	Yes	BWR			
Yes	Yes	No	No	W	E3	A.451a	<a href="#">1.3.1.189</a>		N	WE3-A.451a	3.5.1.189	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M2, "External Surfaces Monitoring of Mechanical Components"	Yes	BWR			
Yes	Yes	No	No	W	E3	A.451c	<a href="#">1.3.1.189</a>		N	WE3-A.451c	3.5.1.189	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR			
Yes	Yes	No	No	W	E3	A.451d	<a href="#">1.3.1.189</a>		N	WE3-A.451d	3.5.1.189	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR			
Yes	Yes	No	No	W	E3	A.504	<a href="#">1.3.1.085</a>		N	WE3-A.504	3.5.1.085	Piping, piping components, tanks	Elastomer	Air, condensation	Hardening or loss of strength due to elastomer degradation	AMP X.M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	No	No	No	W	E3	A.62	<a href="#">1.3.1.085</a>		N	WE3-A.62	3.5.1.002	Piping, piping components, tanks	Stainless steel	Any	Cumulative fatigue damage due to fatigue	T.LAA SRP-BLR Section 4.3 "Metal Fatigue"	Yes	BWR		WE3-14(A.62)	
Yes	Yes	No	No	W	E3	A.722	<a href="#">1.3.1.107</a>		N	WE3-A.722	3.5.1.107	Piping, piping components, heat exchanger components	Steel	Air - outdoor	Loss of material due to general, pitting, or crevice corrosion	AMP X.M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	Yes	Yes	No	W	E3	A.749	<a href="#">1.3.1.236</a>		O	WE3-A.749	3.5.1.236	Heat exchanger tubes	Titanium	Treated water	Reduction of heat transfer due to fouling	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR			Historian compiled file
Yes	Yes	No	No	W	E3	A.765	<a href="#">1.3.1.236</a>		N	WE3-A.765	3.5.1.236	Heat exchanger tubes	Titanium	Treated water	Reduction of heat transfer due to fouling	AMP X.M2, "Closed Treated Water System"	No	BWR			Historian compiled file
Yes	Yes	No	No	W	E3	A.767	<a href="#">1.3.1.236</a>		N	WE3-A.767	3.5.1.236	Heat exchanger tubes	Titanium	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M2, "Closed Treated Water System"	No	BWR			
Yes	Yes	No	No	W	E3	A.773	<a href="#">1.3.1.244</a>		N	WE3-A.773	3.5.1.244	Piping, piping components	Stainless steel, nickel alloy	Treated water >60°C (>140°F)	Cracking due to SCC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR			
Yes	Yes	No	No	W	E3	A.781	<a href="#">1.3.1.259</a>		N	WE3-A.781	3.5.1.259	Piping, piping components	Aluminum	Raw water	Flow blockage due to fouling	AMP X.M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	Yes	No	No	W	E3	A.790a	<a href="#">1.3.1.256</a>		N	WE3-A.790a	3.5.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP X.M2, "Open-Cycle Cooling Water System"	No	BWR/PWR			
Yes	Yes	No	No	W	E3	A.790b	<a href="#">1.3.1.256</a>		N	WE3-A.790b	3.5.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP X.M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	No	No	No	W	E3	AP-106	<a href="#">1.3.1.021</a>		N	WE3-AP-106	3.5.1.021	Piping, piping components	Steel	Treated water	Loss of material due to general, pitting, or crevice corrosion, MC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	A.35		WE3-18(A.35)		
Yes	No	No	No	W	E3	AP-110	<a href="#">1.3.1.203</a>		M	WE3-AP-110	3.5.1.203	Piping, piping components	Stainless steel	Treated water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR	A.68	WE3-15(A.68)	
No	No	No	No	W	E3	AP-112	<a href="#">1.3.1.020</a>		O	WE3-AP-112	3.5.1.020	Heat exchanger components	Stainless steel, steel with stainless steel cladding	Treated water >60°C (>140°F)	Cracking due to SCC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	A.71		WE3-3(A.71)		
No	No	No	No	W	E3	AP-120	<a href="#">1.3.1.019</a>		O	WE3-AP-120	3.5.1.019	Regenerative heat exchanger components	Stainless steel	Treated water >60°C (>140°F)	Cracking due to SCC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR	A.85	WE3-16(A.85)	
Yes	No	No	No	W	E3	AP-130	<a href="#">1.3.1.025</a>		M	WE3-AP-130	3.5.1.025	Piping, piping components	Aluminum	Treated water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR	AP-38	WE3-73(P.38)	
Yes	No	No	No	W	E3	AP-139	<a href="#">1.3.1.027</a>		M	WE3-AP-139	3.5.1.027	Heat exchanger tubes	Stainless steel	Treated water	Reduction of heat transfer due to fouling	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR	AP-43	WE3-69(P.43)	
Yes	No	No	No	W	E3	AP-140	<a href="#">1.3.1.027</a>		M	WE3-AP-140	3.5.1.027	Piping, piping components	Copper alloy	Treated water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR	AP-64	WE3-32(P.64)	
Yes	No	No	No	W	E3	AP-188	<a href="#">1.3.1.043</a>		M	WE3-AP-188	3.5.1.043	Piping, piping components	Stainless steel	Closed-cycle cooling water >60°C (>140°F)	Cracking due to SCC	AMP X.M2, "Closed Treated Water System"	No	BWR	AP-60	WE3-13(P.60)	
No	No	No	No	W	E3	AP-188	<a href="#">1.3.1.050</a>		M	WE3-AP-188	3.5.1.050	Heat exchanger tubes	Stainless steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M2, "Closed Treated Water System"	No	BWR	AP-63	WE3-59(P.63)	
Yes	No	No	No	W	E3	AP-189	<a href="#">1.3.1.048</a>		M	WE3-AP-189	3.5.1.048	Heat exchanger components	Steel	Closed-cycle cooling water	Loss of material due to general, pitting, or crevice corrosion, MC	AMP X.M2, "Closed Treated Water System"	No	BWR	A.67	WE3-40(A.67)	
Yes	No	No	No	W	E3	AP-191	<a href="#">1.3.1.047</a>		M	WE3-AP-191	3.5.1.047	Heat exchanger components	Stainless steel, steel with stainless steel cladding	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2, "Closed Treated Water System"	No	BWR	A.67	WE3-15(A.67)	
No	No	No	No	W	E3	AP-192	<a href="#">1.3.1.044</a>		M	WE3-AP-192	3.5.1.044	Heat exchanger components	Stainless steel, steel with stainless steel cladding	Closed-cycle cooling water >60°C (>140°F)	Cracking due to SCC	AMP X.M2, "Closed Treated Water System"	No	BWR	A.68	WE3-26(A.68)	
Yes	No	No	No	W	E3	AP-199	<a href="#">1.3.1.046</a>		M	WE3-AP-199	3.5.1.046	Piping, piping components	Copper alloy	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2, "Closed Treated Water System"	No	BWR	AP-12	WE3-84(P.12)	
Yes	No	No	No	W	E3	AP-283	<a href="#">1.3.1.016</a>		M	WE3-AP-283	3.5.1.016	Piping, piping components	Stainless steel	Treated water >60°C (>140°F)	Cracking due to SCC, GSCC	AMP X.M2, "Water Chemistry" and AMP X.M2, "BWR Reactor Water Cleanup System"	No	BWR	A.60	WE3-16(A.60)	X.M2 EP changes
Yes	No	No	No	W	E3	AP-31	<a href="#">1.3.1.072</a>		M	WE3-AP-31	3.5.1.072	Piping, piping components	Gray cast iron, cooling water, raw water, waste water	Treated water	Loss of material due to selective leaching	AMP X.M3, "Selective Leaching"	No	BWR		WE3-12(AP.31)	
Yes	No	No	No	W	E3	AP-32	<a href="#">1.3.1.072</a>		M	WE3-AP-32	3.5.1.072	Piping, piping components	Copper alloy (>10% Zn or >6% Al)	Treated water	Loss of material due to selective leaching	AMP X.M3, "Selective Leaching"	No	BWR		WE3-11(AP.32)	
Yes	No	No	No	W	E3	AP-43	<a href="#">1.3.1.072</a>		M	WE3-AP-43	3.5.1.072	Piping, piping components	Copper alloy (>10% Zn or >6% Al)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP X.M3, "Selective Leaching"	No	BWR		WE3-10(AP.43)	
Yes	Yes	Yes	No	W	E4	A.400		LR-ISO-2012-02	O	WE4-A.400											
Yes	No	Yes	No	W	E4	A.400		LR-ISO-2012-02	O	WE4-A.400											
Yes	No	No	No	W	E4	A.414	<a href="#">1.3.1.139</a>		M	WE4-A.414	3.5.1.139	Piping, piping components, heat exchangers, tanks with internal coatings/livings	Any material with an internal coating/living	Treated water	Loss of material due to general, pitting, or crevice corrosion, MC	AMP X.M2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	No	No	No	W	E4	A.416	<a href="#">1.3.1.140</a>		M	WE4-A.416	3.5.1.140	Piping components with internal coatings/livings	Gray cast iron, cooling water, raw water, treated water, waste water	Closed-cycle cooling water, raw water, treated water, waste water	Loss of material due to selective leaching	AMP X.M2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	No	No	No	W	E4	A.416	<a href="#">1.3.1.138</a>		M	WE4-A.416	3.5.1.138	Piping, piping components, heat exchangers, tanks with internal coatings/livings	Any material with an internal coating/living	Treated water	Loss of coating or lining integrity due to blistering, cracking, delamination, peeling, spalling, delamination, rusting, physical damage; loss of material or cracking for cementitious coatings/livings	AMP X.M2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR			
Yes	Yes	No	No	W	E4	A.451a	<a href="#">1.3.1.189</a>		N	WE4-A.451a	3.5.1.189	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M2, "One-Time Inspection"	Yes	BWR			
Yes	Yes	No	No	W	E4	A.451b	<a href="#">1.3.1.189</a>		N	WE4-A.451b	3.5.1.189	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M2, "External Surfaces Monitoring of Mechanical Components"	Yes	BWR			
Yes	Yes	No	No	W	E4	A.451c	<a href="#">1.3.1.189</a>		N	WE4-A.451c	3.5.1.189	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR			
Yes	Yes	No	No	W	E4	A.451d	<a href="#">1.3.1.189</a>		N	WE4-A.451d	3.5.1.189	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M2, "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR			
Yes	Yes	No	No	W	E4	A.504	<a href="#">1.3.1.085</a>		N	WE4-A.504	3.5.1.085	Piping, piping components, tanks	Elastomer	Air, condensation	Hardening or loss of strength due to elastomer degradation	AMP X.M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	Yes	No	No	W	E4	A.532	<a href="#">1.3.1.193</a>		N	WE4-A.532	3.5.1.193	Piping, piping components, tanks	Steel	Treated water	Long-term loss of material due to active corrosion	AMP X.M2, "One-Time Inspection"	No	BWR			
Yes	No	No	No	W	E4	A.61	<a href="#">1.3.1.110</a>		M	WE4-A.61	3.5.1.110	Piping, piping components greater than or equal to 4" NPS	Stainless steel, nickel alloy	Treated water >60°C (>140°F)	Cracking due to SCC, GSCC	AMP X.M3, "BWR Stress Corrosion Cracking" and AMP X.M2, "Water Chemistry"	WE4-15(A.61)				
Yes	No	No	No	W	E4	A.62	<a href="#">1.3.1.002</a>		M	WE4-A.62	3.5.1.002	Piping, piping components	Stainless steel	Any	Cumulative fatigue damage due to fatigue	T.LAA SRP-BLR Section 4.3 "Metal Fatigue"	Yes	BWR		WE4-13(A.62)	
Yes	Yes	Yes	No	W	E4	A.744	<a href="#">1.3.1.236</a>		O	WE4-A.744	3.5.1.236	Heat exchanger tubes	Steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M2, "Closed Treated Water System"	No	BWR			
Yes	Yes	Yes	No	W	E4	A.746	<a href="#">1.3.1.236</a>		O	WE4-A.746	3.5.1.236	Heat exchanger tubes	Steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M2, "Closed Treated Water System"	No	BWR			
Yes	Yes	Yes	No	W	E4	A.746	<a href="#">1.3.1.236</a>		O	WE4-A.746	3.5.1.236	Heat exchanger tubes	Steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M2, "Closed Treated Water System"	No	BWR			
Yes	Yes	No	No	W	E4	A.765	<a href="#">1.3.1.236</a>		N	WE4-A.765	3.5.1.236	Heat exchanger tubes	Titanium	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M2, "Closed Treated Water System"	No	BWR			Historian compiled file
Yes	Yes	No	No	W	E4	A.773	<a href="#">1.3.1.244</a>		N	WE4-A.773	3.5.1.244	Piping, piping components	Stainless steel, nickel alloy	Treated water >60°C (>140°F)	Cracking due to SCC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR			
Yes	Yes	No	No	W	E4	A.781	<a href="#">1.3.1.259</a>		N	WE4-A.781	3.5.1.259	Piping, piping components	Aluminum	Raw water	Flow blockage due to fouling	AMP X.M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	Yes	No	No	W	E4	A.790a	<a href="#">1.3.1.256</a>		N	WE4-A.790a	3.5.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP X.M2, "Open-Cycle Cooling Water System"	No	BWR/PWR			
Yes	Yes	No	No	W	E4	A.790b	<a href="#">1.3.1.256</a>		N	WE4-A.790b	3.5.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP X.M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	No	No	W	E4	A.791	<a href="#">1.3.1.257</a>		N	WE4-A.791	3.5.1.257	Heat exchanger tubes	Steel, stainless steel, copper alloy	Lubricating oil	Reduction of heat transfer due to fouling	AMP X.M2, "Lubricating Oil Analysis" and AMP X.M2, "One-Time Inspection"	No	BWR/PWR			
Yes	No	No	No	W	E4	AP-106	<a href="#">1.3.1.021</a>		M	WE4-AP-106	3.5.1.021	Piping, piping components	Steel	Treated water	Loss of material due to general, pitting, or crevice corrosion, MC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR	A.35	WE4-17(A.35)	
Yes	No	No	No	W	E4	AP-110	<a href="#">1.3.1.203</a>		M	WE4-AP-110	3.5.1.203	Piping, piping components	Stainless steel	Treated water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M2, "Water Chemistry" and AMP X.M2, "One-Time Inspection"	No	BWR	A.68	WE4-14(A.68)	
Yes	No	No	No	W	E4	AP-127															



[illegible]



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	No	No	No	W	F2	A468	<a href="#">130.798</a>	N	WF2-A465	3.51.159	Piping piping components, ducting, carbon degradation	Fiberglass	Air	Loss of material due to wear	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	No	BAR/PWR		
Yes	Yes	No	No	F	F2	A504	<a href="#">130.861</a>	N	WF2-A504	3.51.085	Piping piping components	Elastomer	Air, condensation	Hardening or loss of strength due to oxidation/degradation	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	No	BAR/PWR		
Yes	Yes	No	No	No	F2	A466	<a href="#">130.861</a>	N	WF2-A466	3.51.261	Heat exchanger tubes	Copper alloy	Condensation	Reduction of heat transfer due to fouling	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	No	BAR/PWR		
Yes	Yes	No	No	F2	A508	<a href="#">130.866</a>	N	WF2-A466	3.51.169	Piping piping components	Steel, copper	Steam	Loss of material due to general pitting, crevice corrosion	AMP XM308, "Water Chemistry," and AMP XM302, "One-Time Inspection"	No	BAR/PWR			
Yes	Yes	No	No	U	F2	A507	<a href="#">130.866</a>	N	WF2-A507	3.51.170	Piping piping components	Stainless steel	Steam	Loss of material due to pitting, crevice corrosion	AMP XM308, "Water Chemistry," and AMP XM302, "One-Time Inspection"	No	BAR/PWR		
Yes	Yes	Yes	No	U	F2	A714a		D	WF2-A714a						AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	No	BAR/PWR		
Yes	Yes	Yes	No	U	F2	A714b		D	WF2-A714b										
Yes	Yes	No	No	U	F2	A714c		D	WF2-A714c										
Yes	Yes	No	No	F2	A722	<a href="#">130.866</a>	N	WF2-A722	3.51.157	Piping piping components, heat exchanger components	Steel	Air – outdoor	Loss of material due to general, pitting, crevice corrosion	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	No	BAR/PWR			
Yes	Yes	Yes	No	U	F2	A733		D	WF2-A733										
Yes	Yes	No	No	U	F2	A748		D	WF2-A748	3.51.219	Piping piping components	Stainless steel	Steam	Cracking due to SCC	AMP XM302, "Water Chemistry," and AMP XM302, "One-Time Inspection"	No	BAR/PWR		
Yes	Yes	Yes	No	U	F2	A749		D	WF2-A749										
Yes	Yes	No	No	U	F2	A750		D	WF2-A750										
Yes	Yes	No	No	F2	A767	<a href="#">130.866</a>	N	WF2-A767	3.51.238	Heat exchanger tubes	Titanium	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP XM302A, "Closed Treated Water Systems"	No	BAR/PWR			Mission completed file
Yes	Yes	No	No	F2	A770a	<a href="#">130.861</a>	N	WF2-A770a	3.51.241	Heat exchanger components	Stainless steel, nickel alloys	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XM302, "One-Time Inspection"	Yes	BAR/PWR			
Yes	Yes	No	No	U	F2	A770b	<a href="#">130.861</a>	N	WF2-A770b	3.51.241	Heat exchanger components	Stainless steel, nickel alloys	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XM308, "External Surface Monitoring of Mechanical Components"	Yes	BAR/PWR		
Yes	Yes	No	No	F2	A770c	<a href="#">130.861</a>	N	WF2-A770c	3.51.241	Heat exchanger components	Stainless steel, nickel alloys	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR			
Yes	Yes	No	No	U	F2	A770d	<a href="#">130.861</a>	N	WF2-A770d	3.51.241	Heat exchanger components	Stainless steel, nickel alloys	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A771a	<a href="#">130.866</a>	N	WF2-A771a	3.51.242	Heat exchanger components	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XM302, "One-Time Inspection"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A771b	<a href="#">130.866</a>	N	WF2-A771b	3.51.242	Heat exchanger components	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XM308, "External Surface Monitoring of Mechanical Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A771c	<a href="#">130.866</a>	N	WF2-A771c	3.51.242	Heat exchanger components	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A771d	<a href="#">130.866</a>	N	WF2-A771d	3.51.242	Heat exchanger components	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	Yes	No	U	F2	A772a		D	WF2-A772a										
Yes	Yes	No	No	U	F2	A772b		D	WF2-A772b										
Yes	Yes	No	No	U	F2	A772c		D	WF2-A772c										
Yes	Yes	No	No	F2	A772d	<a href="#">130.866</a>	N	WF2-A772d	3.51.249	Heat exchanger tubes internal to components	Steel	Air-outdoor, air-indoor uncontrolled, condensation	Loss of material due to general, pitting, crevice corrosion	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	No	BAR/PWR			
Yes	Yes	No	No	U	F2	A781		N	WF2-A781	3.51.259	Piping piping components	Aluminum	Raw water	Flow blockage due to fouling	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	No	BAR/PWR		
Yes	Yes	No	No	U	F2	A781a	<a href="#">130.866</a>	N	WF2-A781a	3.51.094	Heat exchanger components	Stainless steel	Air, condensation	Cracking due to SCC	AMP XM302, "One-Time Inspection"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781b	<a href="#">130.866</a>	N	WF2-A781b	3.51.094	Heat exchanger components	Stainless steel	Air, condensation	Cracking due to SCC	AMP XM308, "External Surface Monitoring of Mechanical Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781c	<a href="#">130.866</a>	N	WF2-A781c	3.51.094	Heat exchanger components	Stainless steel	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	F2	A781d	<a href="#">130.866</a>	N	WF2-A781d	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "One-Time Inspection"	Yes	BAR/PWR			
Yes	Yes	No	No	U	F2	A781e	<a href="#">130.866</a>	N	WF2-A781e	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "External Surface Monitoring of Mechanical Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781f	<a href="#">130.866</a>	N	WF2-A781f	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781g	<a href="#">130.866</a>	N	WF2-A781g	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781h	<a href="#">130.866</a>	N	WF2-A781h	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781i	<a href="#">130.866</a>	N	WF2-A781i	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781j	<a href="#">130.866</a>	N	WF2-A781j	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781k	<a href="#">130.866</a>	N	WF2-A781k	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781l	<a href="#">130.866</a>	N	WF2-A781l	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781m	<a href="#">130.866</a>	N	WF2-A781m	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781n	<a href="#">130.866</a>	N	WF2-A781n	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781o	<a href="#">130.866</a>	N	WF2-A781o	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781p	<a href="#">130.866</a>	N	WF2-A781p	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781q	<a href="#">130.866</a>	N	WF2-A781q	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781r	<a href="#">130.866</a>	N	WF2-A781r	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781s	<a href="#">130.866</a>	N	WF2-A781s	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781t	<a href="#">130.866</a>	N	WF2-A781t	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781u	<a href="#">130.866</a>	N	WF2-A781u	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781v	<a href="#">130.866</a>	N	WF2-A781v	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781w	<a href="#">130.866</a>	N	WF2-A781w	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781x	<a href="#">130.866</a>	N	WF2-A781x	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781y	<a href="#">130.866</a>	N	WF2-A781y	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781z	<a href="#">130.866</a>	N	WF2-A781z	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781aa	<a href="#">130.866</a>	N	WF2-A781aa	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ab	<a href="#">130.866</a>	N	WF2-A781ab	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ac	<a href="#">130.866</a>	N	WF2-A781ac	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ad	<a href="#">130.866</a>	N	WF2-A781ad	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ae	<a href="#">130.866</a>	N	WF2-A781ae	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781af	<a href="#">130.866</a>	N	WF2-A781af	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ag	<a href="#">130.866</a>	N	WF2-A781ag	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ah	<a href="#">130.866</a>	N	WF2-A781ah	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ai	<a href="#">130.866</a>	N	WF2-A781ai	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781aj	<a href="#">130.866</a>	N	WF2-A781aj	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ak	<a href="#">130.866</a>	N	WF2-A781ak	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781al	<a href="#">130.866</a>	N	WF2-A781al	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781am	<a href="#">130.866</a>	N	WF2-A781am	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781an	<a href="#">130.866</a>	N	WF2-A781an	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ao	<a href="#">130.866</a>	N	WF2-A781ao	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ap	<a href="#">130.866</a>	N	WF2-A781ap	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781aq	<a href="#">130.866</a>	N	WF2-A781aq	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781ar	<a href="#">130.866</a>	N	WF2-A781ar	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM308, "Inspection of Internal Surfaces in Metallurgical Piping and Ducting Components"	Yes	BAR/PWR		
Yes	Yes	No	No	U	F2	A781as	<a href="#">130.866</a>	N	WF2-A781as	3.51.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XM302, "Neural Coatings/Livings for In-Scope Pumping, Piping Components, Heat Exchangers, and Tanks"	Yes</			



Yes	Yes	No	No	U	F	3	A791	<a href="#">1.1.1.29</a>	N	MF3-A791	3.1.1.259	Piping piping components, heat exchanger	Aluminum	Raw water	Flow blockage due to fouling	AMP XMX2, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	No	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791A	<a href="#">1.1.1.29a</a>	N	MF3-A791A	3.1.1.259A	Flow blockage due to fouling	Stainless steel	Air, condensation	Cracking due to SCC	AMP XMX2, "One-Time Inspection"	No	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791B	<a href="#">1.1.1.29a</a>	N	MF3-A791B	3.1.1.259A	Flow blockage due to fouling	Stainless steel	Air, condensation	Cracking due to SCC	AMP XMX2, "Internal Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791C	<a href="#">1.1.1.29a</a>	N	MF3-A791C	3.1.1.259A	Flow blockage due to fouling	Stainless steel	Air, condensation	Cracking due to SCC	AMP XMX2, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	Yes	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791A	<a href="#">1.1.1.29</a>	N	MF3-A791A	3.1.1.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XMX2, "One-Time Inspection"	Yes	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791B	<a href="#">1.1.1.29</a>	N	MF3-A791B	3.1.1.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XMX2, "Internal Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791C	<a href="#">1.1.1.29</a>	N	MF3-A791C	3.1.1.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XMX2, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	Yes	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791A	<a href="#">1.1.1.29</a>	N	MF3-A791A	3.1.1.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XMX2, "Internal Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791B	<a href="#">1.1.1.29</a>	N	MF3-A791B	3.1.1.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XMX2, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	Yes	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791C	<a href="#">1.1.1.29</a>	N	MF3-A791C	3.1.1.254	Heat exchanger components	Aluminum	Air, condensation	Cracking due to SCC	AMP XMX2, "Internal Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791A	<a href="#">1.1.1.29</a>	N	MF3-A791A	3.1.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP XMX2, "Open Cycle Cooling Water System"	No	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791B	<a href="#">1.1.1.29</a>	N	MF3-A791B	3.1.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP XMX2, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	No	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791C	<a href="#">1.1.1.29</a>	N	MF3-A791C	3.1.1.256	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP XMX2, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	No	BWR/PWR		
Yes	Yes	No	No	U	F	3	A791	<a href="#">1.1.1.29</a>	N	MF3-A791	3.1.1.257	Heat exchanger tubes	Steel, stainless steel, copper alloy	Lubricating oil	Reduction of heat transfer due to fouling	AMP XMX2, "Lubricating Oil Analysis," and AMP XMX2, "One-Time Inspection"	No	BWR/PWR		
Yes	No	Yes	No	U	F	3	AP-102	<a href="#">1.1.1.30</a>	O	MF3-AP-102	3.1.1.096	Piping piping components, tanks	Elastomer	Air, raw water, waste water	Loss of material due to wear	AMP XMX2, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	No	BWR/PWR	A-18	(W-F4.6A.18)
Yes	No	Yes	No	U	F	3	AP-103	<a href="#">1.1.1.30</a>	O	MF3-AP-103	3.1.1.096	Piping piping components, tanks	Elastomer	Air, raw water, waste water	Loss of material due to wear	AMP XMX2, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	No	BWR/PWR		
Yes	No	Yes	No	U	F	3	AP-113	<a href="#">1.1.1.30</a>	O	MF3-AP-113	3.1.1.096	Piping piping components, tanks	Elastomer	Air, raw water, waste water	Loss of material due to wear	AMP XMX2, "Inspection of Internal Surfaces in Maintenance Piping and Ducting Components"	No	BWR/PWR		
Yes	No	No	No	U	F	3	AP-127	<a href="#">1.1.1.30</a>	O	MF3-AP-127	3.1.1.097	Piping piping components, tanks	Steel	Lubricating oil	Loss of material due to general pitting, crevice corrosion, MIC	AMP XMX2, "Lubricating Oil Analysis," and AMP XMX2, "One-Time Inspection"	No	BWR/PWR	AP-30	(W-F3.10/AP-30)
Yes	No	No	No	U	F	3	AP-142	<a href="#">1.1.1.30</a>	O	MF3-AP-142	3.1.1.097	Piping piping components, tanks	Steel	Lubricating oil	Loss of material due to general pitting, crevice corrosion, MIC	AMP XMX2, "Lubricating Oil Analysis," and AMP XMX2, "One-Time Inspection"	No	BWR/PWR		
Yes	No	No	No	U	F	3	AP-150	<a href="#">1.1.1.30</a>	O	MF3-AP-150	3.1.1.048	Heat exchanger components	Steel	Closed-cycle cooling water	Loss of material due to general pitting, crevice corrosion, MIC	AMP XMX2A, "Closed Treated Water Systems"	No	BWR/PWR	A-63	(W-F3.1/AP-63)
Yes	No	No	No	U	F	3	AP-199	<a href="#">1.1.1.30</a>	O	MF3-AP-199	3.1.1.048	Heat exchanger components	Copper alloy	Closed-cycle cooling water	Loss of material due to general pitting, crevice corrosion, MIC	AMP XMX2A, "Closed Treated Water Systems"	No	BWR/PWR	AP-12	(W-F3.1/AP-12)
Yes	No	No	No	U	F	3	AP-202	<a href="#">1.1.1.30</a>	O	MF3-AP-202	3.1.1.048	Heat exchanger components	Copper alloy	Closed-cycle cooling water	Loss of material due					



Yes	No	No	No	VF	F4	AP-209	1.3.1.034	M	WFA-AP-209C	3.5.1.004	Piping, piping components	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	No	No	VF	F4	AP-209A	1.3.1.034	M	WFA-AP-209A	3.5.1.004	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M3B, "Internal Coatings/Livings for In-Scope Piping, Pump Components, Heat Exchangers, and Tanks"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	No	No	VF	F4	AP-210	1.3.1.035	M	WFA-AP-210	3.5.1.008	Piping, piping components	Stainless steel, cast-iron alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M3C, "One-Time Inspection"	No	BWRPWR	New Record in GALL 3		
Yes	No	No	No	VF	F4	AP-210A	1.3.1.035	M	WFA-AP-210A	3.5.1.008	Piping, piping components	Stainless steel, cast-iron alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M3B, "External Surface Monitoring of Mechanical Components"	Yes	BWRPWR	New Record in GALL 3		
Yes	No	No	No	VF	F4	AP-211	1.3.1.036	M	WFA-AP-211	3.5.1.008	Piping, piping components	Stainless steel, cast-iron alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR	New Record in GALL 3		
Yes	No	No	No	VF	F4	AP-211A	1.3.1.036	M	WFA-AP-211A	3.5.1.008	Piping, piping components	Stainless steel, cast-iron alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M3B, "Internal Coatings/Livings for In-Scope Piping, Pump Components, Heat Exchangers, and Tanks"	Yes	BWRPWR	New Record in GALL 2		
Yes	No	No	No	VF	F4	AP-31	1.3.1.072	P	WFA-AP-31	3.5.1.072	Piping, piping components	Gray cast iron, ductile iron	Treated water	Loss of material due to selective leaching	AMP X.M3C, "Selective Leaching"	No	BWRPWR		VF-4-14(P-31)	
Yes	No	No	No	VF	F4	AP-43	1.3.1.072	P	WFA-AP-43	3.5.1.072	Piping, piping components	Copper alloy (≥15% Zn or ≥5% Al)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP X.M3C, "Selective Leaching"	No	BWRPWR		VF-4-13(P-43)	
Yes	Yes	No	No	VF	F4	AP-99A	1.3.1.094	N	WFA-AP-99A	3.5.1.094	Ducting, ducting components	Stainless steel	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M3C, "One-Time Inspection"	Yes	BWRPWR			
Yes	Yes	No	No	VF	F4	AP-99B	1.3.1.094	N	WFA-AP-99B	3.5.1.094	Ducting, ducting components	Stainless steel	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M3C, "External Surface Monitoring of Mechanical Components"	Yes	BWRPWR			
Yes	Yes	No	No	VF	F4	AP-99C	1.3.1.094	N	WFA-AP-99C	3.5.1.094	Ducting, ducting components	Stainless steel	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR			
Yes	No	No	No	VF	G	A-02	1.3.1.052	M	WGA-02	3.5.1.072	Piping, piping components	Gray cast iron, ductile iron	Soil	Loss of material due to selective leaching	AMP X.M3C, "Selective Leaching"	No	BWRPWR		W-6-15A-02	
Yes	No	No	No	VF	G	A-10	1.3.1.057	M	WGA-10	3.5.1.067	Fire water storage tanks	Elastomer	Air, condensation	Loss of material due to strength shrinkage due to elastomer degradation	AMP X.M3C, "Fire Protection"	No	BWRPWR	A-10	W-6-13A-10	
Yes	No	Yes	No	VF	G	A-20	1.3.1.059	M	WGA-20	3.5.1.059	Fire rated doors	Steel	Air	Loss of material due to wear	AMP X.M3C, "Fire Protection"	No	BWRPWR			W-6-13A-21
Yes	No	No	No	VF	G	A-21	1.3.1.059	M	WGA-21	3.5.1.059	Fire rated doors	Steel	Air	Loss of material due to wear	AMP X.M3C, "Fire Protection"	No	BWRPWR			
Yes	No	Yes	No	VF	G	A-23	1.3.1.059	M	WGA-23	3.5.1.059	Fire rated doors	Steel	Air	Loss of material due to wear	AMP X.M3C, "Fire Protection"	No	BWRPWR			
Yes	No	No	No	VF	G	A-33	1.3.1.059	M	WGA-33	3.5.1.064	Piping, piping components	Steel	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water, raw water (potable))	AMP X.M3C, "Fire Water System"	No	BWRPWR			W-6-14A-33
Yes	No	No	No	VF	G	A-40	1.3.1.101	M	WGA-40	3.5.1.127	Piping, piping components, tanks	Metallic	Raw water, treated water (potable), treated water	Loss of material due to recurring internal corrosion	AMP X.M3C, "Fire Water System"	Yes	BWRPWR			
Yes	No	No	No	VF	G	A-403	1.3.1.130	M	WGA-403	3.5.1.130	Spinkers	Metallic	Air, condensation, raw water, treated water	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling	AMP X.M3C, "Fire Water System"	No	BWRPWR			
Yes	No	No	No	VF	G	A-404	1.3.1.131	M	WGA-404	3.5.1.131	Piping, piping components	Steel, stainless steel, copper alloy, aluminum	Air, condensation	Flow blockage due to fouling	AMP X.M3C, "Fire Water System"	No	BWRPWR			
Yes	No	Yes	No	VF	G	A-405	1.3.1.130	M	WGA-405	3.5.1.130	Fire water storage tanks	Steel	Air, condensation, raw water, treated water	Loss of material due to general pitting, crevice corrosion, MC, raw water, treated water, soil only	AMP X.M3C, "Fire Water System"	No	BWRPWR			
Yes	No	No	No	VF	D	A-414	1.3.1.130	M	WGA-414	3.5.1.130	Piping, piping components, heat exchangers with internal coilings/livings	Any material with internal coilings/livings	Raw water, treated water, lubricating oil	Loss of material due to general pitting, crevice corrosion, MC	AMP X.M3C, "Internal Coatings/Livings for In-Scope Piping, Pump Components, Heat Exchangers, and Tanks"	No	BWRPWR			
Yes	No	No	No	VF	G	A-415	1.3.1.130	M	WGA-415	3.5.1.140	Piping components with internal coilings/livings	Gray cast iron, ductile iron with internal coilings/livings	Closed-cycle cooling water, raw water, treated water	Loss of material due to selective leaching	AMP X.M3C, "Internal Coatings/Livings for In-Scope Piping, Pump Components, Heat Exchangers, and Tanks"	No	BWRPWR			
Yes	No	No	No	VF	G	A-416	1.3.1.130	M	WGA-416	3.5.1.138	Piping, piping components, heat exchangers with internal coilings/livings	Any material with internal coilings/livings	Raw water, treated water, lubricating oil	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, scaling, physical damage, loss of material or coating for semi-continuous coilings/livings	AMP X.M3C, "Internal Coatings/Livings for In-Scope Piping, Pump Components, Heat Exchangers, and Tanks"	No	BWRPWR			
Yes	Yes	Yes	No	VF	G	A-425	1.3.1.130	M	WGA-425	3.5.1.193	Piping, piping components	Aluminum	Treated water	Long-term loss of material due to stress corrosion	AMP X.M3C, "One-Time Inspection"	No	BWRPWR			
Yes	Yes	No	No	VF	G	A-451A	1.3.1.189	P	WGA-451A	3.5.1.189	Piping, piping components	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M3C, "One-Time Inspection"	Yes	BWRPWR			
Yes	Yes	No	No	VF	G	A-451B	1.3.1.189	P	WGA-451B	3.5.1.189	Piping, piping components	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M3B, "External Surface Monitoring of Mechanical Components"	Yes	BWRPWR			
Yes	Yes	No	No	VF	G	A-451C	1.3.1.189	P	WGA-451C	3.5.1.189	Piping, piping components	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWRPWR			
Yes	Yes	No	No	VF	G	A-451D	1.3.1.189	P	WGA-451D	3.5.1.189	Piping, piping components	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M3B, "Internal Coatings/Livings for In-Scope Piping, Pump Components, Heat Exchangers, and Tanks"	Yes	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-456	1.3.1.172	P	WGA-456	3.5.1.172	Piping, piping components	PVC	Air – outdoor	Reduction in impact strength due to weathering	AMP X.M3B, "External Surface Monitoring of Mechanical Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-462	1.3.1.072	P	WGA-462	3.5.1.072	Piping, piping components	Copper alloy (≥15% Zn or ≥5% Al)	Raw water	Loss of material due to selective leaching	AMP X.M3C, "Selective Leaching"	No	BWRPWR			W-6-13(P-47)
Yes	Yes	No	No	VF	D	A-467	1.3.1.159	N	WGA-467	3.5.1.159	Piping, piping components, ducting, ducting components	Fiberglass	Air	Loss of material due to wear	AMP X.M3C, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	No	No	VF	D	A-504	1.3.1.085	N	WGA-504	3.5.1.085	Piping, piping components, tanks	Elastomer	Air, condensation	Hardening or loss of strength due to elastomer degradation	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			W-6-14A-51
Yes	No	No	No	VF	G	A-51	1.3.1.072	M	WGA-51	3.5.1.072	Piping, piping components	Gray cast iron, ductile iron	Raw water	Loss of material due to selective leaching	AMP X.M3C, "Selective Leaching"	No	BWRPWR			W-6-14A-51
Yes	Yes	No	No	VF	G	A-512	1.3.1.059	M	WGA-512	3.5.1.059	Piping, piping components	Any	Raw water	Long-term loss of material due to stress corrosion	AMP X.M3C, "One-Time Inspection"	No	BWRPWR			W-6-15A-55
Yes	No	No	No	VF	G	A-55	1.3.1.066	P	WGA-55	3.5.1.066	Piping, piping components	Stainless steel	Raw water, treated water, raw water (potable)	Loss of material due to pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3C, "Fire Water System"	No	BWRPWR			
Yes	Yes	No	No	VF	G	A-568	1.3.1.181	N	WGA-568	3.5.1.181	Heat exchanger tubes	Copper alloy	Condensation	Reduction of heat transfer due to fouling	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	No	No	VF	G	A-623	1.3.1.185	N	WGA-623	3.5.1.185	Fire water storage tanks	Aluminum	Air, condensation, soil, concrete, raw water	Cracking due to SCC	AMP X.M3C, "Fire Water System"	No	BWRPWR			
Yes	Yes	No	No	VF	G	A-626	1.3.1.170	N	WGA-626	3.5.1.170	Structural fire barrier walls	Masonry walls	Air	Cracking due to rebar shrinkage, rebar, aggressive environment loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X.M3C, "Fire Protection" and AMP X.S5, "Masonry Walls"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-627	1.3.1.170	N	WGA-627	3.5.1.175	Piping, piping components, tanks	Fiberglass	Raw water	Cracking, blistering, change in color due to water absorption	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-643	1.3.1.170	N	WGA-643	3.5.1.170	Piping, piping components, tanks	Fiberglass	Raw water	Loss of material due to wear	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	No	No	VF	G	A-644	1.3.1.159	N	WGA-644	3.5.1.159	Piping, piping components	Concrete, reinforced concrete	Raw water, treated water, raw water (potable)	Cracking due to chemical reaction, weathering, sulfation, or corrosion of reinforcement (reinforced concrete only); loss of material due to delamination, exfoliation, spalling, impact, scaling, or erosion; flow blockage due to fouling (raw water only)	AMP X.M3C, "Fire Water System"	No	BWRPWR			
Yes	Yes	No	No	VF	D	A-647	1.3.1.159	N	WGA-647	3.5.1.159	Piping, piping components	Concrete, reinforced concrete	Raw water, treated water, raw water (potable)	Cracking due to chemical reaction, weathering, sulfation, or corrosion of reinforcement (reinforced concrete only); loss of material due to delamination, exfoliation, spalling, impact, scaling, or erosion; flow blockage due to fouling (raw water only)	AMP X.M3C, "Fire Water System"	No	BWRPWR			
Yes	Yes	No	No	VF	D	A-648	1.3.1.159	N	WGA-648	3.5.1.159	Piping, piping components	nCPE	Raw water, treated water, raw water (potable)	Cracking, blistering, change in color due to water absorption; flow blockage due to fouling (raw water only)	AMP X.M3C, "Fire Water System"	No	BWRPWR			
Yes	Yes	No	No	VF	D	A-649	1.3.1.159	N	WGA-649	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3C, "External Surface Monitoring of Mechanical Components"	No	BWRPWR			
Yes	Yes	No	No	VF	D	A-650	1.3.1.159	N	WGA-650	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-651	1.3.1.159	N	WGA-651	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-652	1.3.1.159	N	WGA-652	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-653	1.3.1.159	N	WGA-653	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-654	1.3.1.159	N	WGA-654	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-655	1.3.1.159	N	WGA-655	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-656	1.3.1.159	N	WGA-656	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-657	1.3.1.159	N	WGA-657	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-658	1.3.1.159	N	WGA-658	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-659	1.3.1.159	N	WGA-659	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-660	1.3.1.159	N	WGA-660	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-661	1.3.1.159	N	WGA-661	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-662	1.3.1.159	N	WGA-662	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-663	1.3.1.159	N	WGA-663	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-664	1.3.1.159	N	WGA-664	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWRPWR			
Yes	Yes	Yes	No	VF	D	A-665	1.3.1.159	N	WGA-665	3.5.1.159	Fire water system piping, piping components, heat exchanger components with only a leakage boundary (spalled) or structural integrity (affected) intended function	Any material except soil, concrete	Raw water, treated water, raw water (potable)	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling (raw water only)	AMP X.M3B, "Inspection of Internal					



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Yes	No	No	No	VR	H1	A-791	<a href="#">3.1.1.286</a>		MHI-A791	3.1.1.259	Piping joining components	Aluminum	Raw water	Flow blockage due to fouling	AMP XIM05, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	No	No	No	VR	H1	AP-105	<a href="#">3.1.1.287</a>	LR ISO 2013-01	G	MHI-AP-105	3.1.1.070	Piping joining components	Steel	Fuel oil	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Fuel Oil Chemistry"; AMP XIM02, "One-Time Inspection"	No	BWR/PWR	A-30	(MHI-13A-30)
Yes	Yes	No	No	VR	H1	AP-1059	<a href="#">3.1.1.288</a>		MHI-AP-1059	3.1.1.070	Piping joining components, tanks	Aluminum	Fuel oil	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Fuel Oil Chemistry"	No	BWR/PWR			
Yes	No	No	No	VR	H1	AP-129	<a href="#">3.1.1.291</a>		MHI-AP-129	3.1.1.071	Piping joining components	Aluminum	Fuel oil	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01, "Fuel Oil Chemistry"; AMP XIM02, "One-Time Inspection"	No	BWR/PWR	AF-35	(MHI-13P-35)	
Yes	Yes	No	No	VR	H1	AP-1299	<a href="#">3.1.1.292</a>		MHI-AP-1299	3.1.1.071	Piping joining components	Aluminum	Fuel oil	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01, "Fuel Oil Chemistry"	No	BWR/PWR			
Yes	No	No	No	VR	H1	AP-132	<a href="#">3.1.1.293</a>		MHI-AP-132	3.1.1.069	Piping joining components	Copper alloy	Fuel oil	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01, "Fuel Oil Chemistry"; AMP XIM02, "One-Time Inspection"	No	BWR/PWR	AF-44	(MHI-13QF-44)	
Yes	Yes	No	No	VR	H1	AP-1329	<a href="#">3.1.1.294</a>		MHI-AP-1329	3.1.1.069	Piping joining components	Copper alloy	Fuel oil	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01, "Fuel Oil Chemistry"	No	BWR/PWR			
Yes	No	No	No	VR	H1	AP-136	<a href="#">3.1.1.295</a>		MHI-AP-136	3.1.1.071	Retention, piping joining components	Stainless steel	Fuel oil	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01, "Fuel Oil Chemistry"; AMP XIM02, "One-Time Inspection"	No	BWR/PWR	AF-54	(MHI-13QF-54)	
Yes	Yes	No	No	VR	H1	AP-1369	<a href="#">3.1.1.296</a>		MHI-AP-1369	3.1.1.071	Retention, piping joining components	Stainless steel	Fuel oil	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01, "Fuel Oil Chemistry"	No	BWR/PWR			
Yes	No	No	No	VR	H1	AP-137	<a href="#">3.1.1.297</a>	LR ISO 2011-03	G	MHI-AP-137	3.1.1.048	Piping joining components	Copper alloy (>15% Zn or >8% Cu)	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01A, "Closed Treated Water Systems"	No	BWR/PWR	AF-12	(MHI-2JAF-12)
Yes	No	Yes	No	VR	H1	AP-2099	<a href="#">3.1.1.300</a>		MHI-AP-2099	3.1.1.054	Piping joining components	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM01, "External Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	VR	H1	AP-2099	<a href="#">3.1.1.301</a>		MHI-AP-2099	3.1.1.054	Piping joining components	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	VR	H1	AP-2099	<a href="#">3.1.1.302</a>		MHI-AP-2099	3.1.1.054	Piping joining components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM01, "Thermal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	VR	H1	AP-2099	<a href="#">3.1.1.303</a>		MHI-AP-2099	3.1.1.054	Tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM01, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	VR	H1	AP-2219	<a href="#">3.1.1.304</a>		MHI-AP-2219	3.1.1.006	Piping joining components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01, "One-Time Inspection"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	VR	H1	AP-2219	<a href="#">3.1.1.305</a>		MHI-AP-2219	3.1.1.006	Retention, piping joining components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01, "External Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	VR	H1	AP-2219	<a href="#">3.1.1.306</a>		MHI-AP-2219	3.1.1.006	Piping joining components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	VR	H1	AP-2219	<a href="#">3.1.1.307</a>		MHI-AP-2219	3.1.1.006	Retention, piping joining components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion, MC	AMP XIM01, "Thermal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	VR	H1	AP-43	<a href="#">3.1.1.312</a>		MHI-AP-43	3.1.1.072	Piping joining components	Copper alloy (>15% Zn or >8% Cu)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM01, "Selective Leaching"	No	BWR/PWR		(MHI-1APF-43)	
Yes	No	No	No	VR	H2	A-82	<a href="#">3.1.1.313</a>		MHI-A82	3.1.1.072	Piping joining components	Steel	Soil	Loss of material due to selective leaching	AMP XIM01, "Selective Leaching"	No	BWR/PWR		(MHI-13JA-82)	
Yes	No	Yes	No	VR	H2	A-26	<a href="#">3.1.1.316</a>		MHI-A26	3.1.1.055	Piping joining components, tanks	Steel	Condensation	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	No	Yes	No	VR	H2	A-400	<a href="#">3.1.1.317</a>	LR ISO 2012-02	G	MHI-A400	3.1.1.05	Piping joining components, heat exchangers, tanks with internal coatings/linings	Any material with an internal coating/lining	Raw water, treated water	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM02, "Thermal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR/PWR		
Yes	No	No	No	VR	H2	A-415	<a href="#">3.1.1.318</a>	LR ISO 2013-01	M	MHI-A415	3.1.1.140	Piping components with internal coatings/linings	Gray cast iron, steel with internal coating/lining	Closed-cycle cooling water, treated water, raw water	Loss of material due to selective leaching	AMP XIM02, "Thermal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR/PWR		
Yes	No	No	No	VR	H2	A-416	<a href="#">3.1.1.319</a>	LR ISO 2013-01	M	MHI-A416	3.1.1.138	Piping joining components, heat exchangers, tanks with internal coatings/linings	Any material with internal coating/lining	Raw water, treated water	Loss of coating or lining integrity due to corrosion, scaling, fouling, galvanic corrosion, racking, physical damage, loss of material or cracking for cementitious coatings/linings	AMP XIM02, "Thermal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR/PWR		
Yes	Yes	Yes	No	VR	H2	A-428	<a href="#">3.1.1.320</a>		MHI-A428	3.1.1.189	Piping joining components, tanks	Any	Steel	Treated water	Long term loss of material due to general corrosion	AMP XIM02, "One-Time Inspection"	No	BWR/PWR		
Yes	Yes	Yes	No	VR	H2	A-435	<a href="#">3.1.1.321</a>		MHI-A435	3.1.1.189	Piping joining components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM02, "One-Time Inspection"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-450	<a href="#">3.1.1.322</a>		MHI-A450	3.1.1.189	Piping joining components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM01, "External Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-460	<a href="#">3.1.1.323</a>		MHI-A460	3.1.1.189	Piping joining components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR/PWR			
Yes	Yes	No	No	VR	H2	A-516	<a href="#">3.1.1.324</a>		MHI-A516	3.1.1.189	Piping joining components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM02, "Thermal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR			
Yes	No	No	No	VR	H2	A-555	<a href="#">3.1.1.325</a>		MHI-A555	3.1.1.189	Piping joining components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR/PWR			
Yes	No	No	No	VR	H2	A-567	<a href="#">3.1.1.326</a>		MHI-A567	3.1.1.189	Piping joining components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM02, "Thermal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-681	<a href="#">3.1.1.327</a>		MHI-A681	3.1.1.072	Piping joining components, ducting	Fiberglass	Air	Loss of material due to wear	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	No	No	VR	H2	A-682	<a href="#">3.1.1.328</a>		MHI-A682	3.1.1.072	Piping joining components	Gray cast iron, ductile iron	Raw water	Loss of material due to selective leaching	AMP XIM01, "Selective Leaching"	No	BWR/PWR		(MHI-13JA-81)	
Yes	Yes	No	No	VR	H2	A-683	<a href="#">3.1.1.329</a>		MHI-A683	3.1.1.193	Piping joining components	Steel	Raw water	Long-term loss of material due to general corrosion	AMP XIM02, "One-Time Inspection"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-685	<a href="#">3.1.1.330</a>		MHI-A685	3.1.1.161	Heat exchanger tubes	Copper alloy	Condensation	Reduction of heat transfer due to fouling	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-687	<a href="#">3.1.1.331</a>		MHI-A687	3.1.1.065	Piping joining components, tanks	Cast iron	Lubricating oil	Hardening or loss of strength due to exchanger degradation	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.332</a>		MHI-A746	3.1.1.140	Piping joining components, heat exchanger components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.333</a>		MHI-A746	3.1.1.140	Piping joining components, heat exchanger components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.334</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.335</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.336</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.337</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.338</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.339</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.340</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.341</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.342</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.343</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.344</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.345</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.346</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.347</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.348</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.349</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.350</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.351</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.352</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.353</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.354</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.355</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.356</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.357</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.358</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.359</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.360</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	Yes	No	VR	H2	A-746	<a href="#">3.1.1.361</a>		MHI-A746	3.1.1.140	Piping joining components	Steel	Air - outdoor	Loss of material due to general pitting, crevice corrosion, MC	AMP XIM01, "Inspection of Internal Surfaces in Miscellaneous Piping and D					



Yes	No	No	No	U	1	A405a	<a href="#">3.1.1-138</a>	LR ISO 2012-02	M	MLA405a	3.1.1-122	Insulated piping, piping components, tanks	Steel, copper alloy (>15% Zn or 30% Al only)	Air, condensation	Loss of material due to general pitting, crevice corrosion, cracking due to SCC (copper alloy (>15% Zn or 30% Al only)	AMP XM306, "External Surfaces Monitoring of Mechanical Components"	No	EW/PWR			
Yes	No	No	No	U	1	A405b	<a href="#">3.1.1-139</a>	LR ISO 2012-02	M	MLA405b	3.1.1-122	Insulated tanks within the scope of AMP XM302, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel	Air, condensation	Loss of material due to general pitting, crevice corrosion	AMP XM306, "External Surfaces Monitoring of Mechanical Components" "or" AMP XM305, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	EW/PWR			
Yes	No	No	No	U	1	A406	<a href="#">3.1.1-140</a>	LR ISO 2012-02	M	MLA406	3.1.1-123	Piping, piping components, tanks	HCPE	Underground	Cracking, blistering, change in color due to water, acid contact	AMP XM301, "Buried and Underground Piping and Tanks"	No	EW/PWR			
Yes	Yes	Yes	Yes	U	1	A421	<a href="#">3.1.1-141</a>		D	MLA421											
Yes	Yes	Yes	Yes	U	1	A422	<a href="#">3.1.1-142</a>		D	MLA422											
Yes	No	No	No	U	1	A423	<a href="#">3.1.1-143</a>		N	MLA423	3.1.1-142	Closure bolting	Stainless steel, steel, nickel alloy, copper alloy	Fluid oil, lubricating oil, treated water, treated boiler water, waste water, waste water, waste water	Loss of material due to general pitting, crevice corrosion, MC (new water, waste water environments only)	AMP XM318, "Bolting Integrity"	No	EW/PWR			
Yes	Yes	Yes	No	U	1	A424	<a href="#">3.1.1-144</a>		D	MLA424											
Yes	Yes	No	No	U	1	A425	<a href="#">3.1.1-145</a>		N	MLA425	3.1.1-144	Piping, piping components, tanks	Stainless steel, steel, aluminum	Soil, concrete	Cracking due to SCC (steel in carbonates/sulfate environment only)	AMP XM301, "Buried and Underground Piping and Tanks"	No	EW/PWR			
Yes	Yes	Yes	No	U	1	A426	<a href="#">3.1.1-146</a>		N	MLA426	3.1.1-145	Closure bolting	Stainless steel	Soil, concrete, underground, waste water	Cracking due to SCC	AMP XM318, "Bolting Integrity"	No	EW/PWR			
Yes	Yes	Yes	Yes	U	1	A427	<a href="#">3.1.1-147</a>		D	MLA427											
Yes	Yes	Yes	No	U	1	A428	<a href="#">3.1.1-148</a>		D	MLA428	3.1.1-149	Piping, piping components, ducting, ducting components	Fiberglass	Air - outdoor	Cracking, blistering, change in color due to water absorption	AMP XM306, "External Surfaces Monitoring of Mechanical Components"	No	EW/PWR			
Yes	Yes	Yes	No	U	1	A442	<a href="#">3.1.1-149</a>		D	MLA442											
Yes	Yes	Yes	No	U	1	A443	<a href="#">3.1.1-150</a>		D	MLA443											
Yes	Yes	No	No	U	1	A443	<a href="#">3.1.1-151</a>		N	MLA443	3.1.1-177	Piping, piping components, tanks	Fiberglass	Soil	Loss of material due to wear	AMP XM301, "Buried and Underground Piping and Tanks"	No	EW/PWR			
Yes	Yes	No	No	U	1	A437	<a href="#">3.1.1-152</a>		N	MLA437	3.1.1-194	Piping, piping components, tanks	PVC	Soil	Loss of material due to wear	AMP XM301, "Buried and Underground Piping and Tanks"	No	EW/PWR			
Yes	Yes	Yes	No	U	1	A705	<a href="#">3.1.1-153</a>		D	MLA705											
Yes	Yes	Yes	No	U	1	A707	<a href="#">3.1.1-154</a>		D	MLA707											
Yes	Yes	Yes	No	U	1	A708	<a href="#">3.1.1-155</a>		D	MLA708											
Yes	Yes	No	No	U	1	A709	<a href="#">3.1.1-156</a>		N	MLA709	3.1.1-182	Non-metallic heat exchanger	Any	Air, condensation	Reduce thermal insulation resistance due to moisture intrusion	AMP XM306, "External Surfaces Monitoring of Mechanical Components"	No	EW/PWR			
Yes	Yes	No	No	U	1	A709a	<a href="#">3.1.1-157</a>		N	MLA709a	3.1.1-192	Piping, piping components, tanks	Aluminum	Underground	Cracking due to SCC	AMP XM302, "One-Time Inspection"	Yes	EW/PWR			
Yes	Yes	No	No	U	1	A709b	<a href="#">3.1.1-158</a>		N	MLA709b	3.1.1-192	Piping, piping components, tanks	Aluminum	Underground	Cracking due to SCC	AMP XM301, "Buried and Underground Piping and Tanks"	Yes	EW/PWR			
Yes	Yes	No	No	U	1	A709c	<a href="#">3.1.1-159</a>		N	MLA709c	3.1.1-192	Piping, piping components, tanks	Aluminum	Underground	Cracking due to SCC	AMP XM302, "One-Time Inspection"	Yes	EW/PWR			
Yes	Yes	Yes	No	U	1	A707	<a href="#">3.1.1-160</a>		D	MLA707											
Yes	Yes	Yes	No	U	1	A708	<a href="#">3.1.1-161</a>		D	MLA708											
Yes	Yes	No	No	U	1	A714a	<a href="#">3.1.1-162</a>		N	MLA714a	3.1.1-148	Piping, piping components, tanks	Stainless steel	Underground	Cracking due to SCC	AMP XM302, "One					



Yes	No	No	No	06	7	AP-177	<a href="#">1.8.1.106</a>		M	MLAP-177	3.5.1.105	Piping, piping components	Concrete, concrete cylinder piping, reinforced concrete, asbestos cement, cementitious	Soil, concrete	Cracking due to chemical reaction, weathering, or corrosion of reinforcement (reinforced concrete only); loss of material due to deterioration, exfoliation, spalling, popout, or scaling	AMP X3M1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2		
Yes	No	No	No	06	7	AP-188	<a href="#">1.8.1.106</a>	LR-ISO-2011-03	M	MLAP-188	3.5.1.109	Piping, piping components	Steel	Soil, concrete	Loss of material due to general, pitting, crevice corrosion, MC (just only)	AMP X3M1, "Buried and Underground Piping and Tanks"	No	BWR/PWR	A-01	US11-04(1)	
Yes	No	No	No	06	7	AP-241	<a href="#">1.8.1.108</a>		M	MLAP-241	3.5.1.109	Closure bolting	Steel	Soil, concrete, underground	Loss of material due to general, pitting, crevice corrosion, MC (just only)	AMP X3M1, "Buried and Underground Piping and Tanks"	No	BWR/PWR		New Record in GALL 2	
Yes	No	Yes	No	06	7	AP-242	<a href="#">1.8.1.108</a>	LR-ISO-2011-03	D	MLAP-242	3.5.1.108	Closure bolting	Stainless steel, cast alloy	Soil, concrete, underground	Loss of material due to pitting, crevice corrosion, MC (just only)	AMP X3M1, "Buried and Underground Piping and Tanks"	No	BWR/PWR		New Record in GALL 2	
Yes	No	Yes	No	06	7	AP-244	<a href="#">1.8.1.108</a>		D	MLAP-244	3.5.1.107	Closure bolting	Stainless steel, cast alloy	Soil, concrete, underground	Loss of material due to pitting, crevice corrosion, MC (just only)	AMP X3M1, "Buried and Underground Piping and Tanks"	No	BWR/PWR		New Record in GALL 2	
Yes	No	Yes	No	06	7	AP-253	<a href="#">1.8.1.109</a>		M	MLAP-253	3.5.1.073	Piping, piping components	Concrete, concrete cylinder piping, reinforced concrete, asbestos cement, cementitious	Air - outdoor	Cracking due to chemical reaction, weathering, or corrosion of reinforcement (reinforced concrete only); loss of material due to deterioration, exfoliation, spalling, popout, or scaling	AMP X3M3, "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR		New Record in GALL 2	
Yes	No	Yes	No	06	7	AP-256	<a href="#">1.8.1.109</a>		D	MLAP-256											
Yes	No	Yes	No	06	7	AP-261	<a href="#">1.8.1.109</a>		D	MLAP-261											
Yes	No	Yes	No	06	7	AP-262	<a href="#">1.8.1.109</a>		D	MLAP-262											
Yes	No	Yes	No	06	7	AP-263	<a href="#">1.8.1.109</a>		D	MLAP-263											
Yes	No	Yes	No	06	7	AP-264	<a href="#">1.8.1.109</a>		D	MLAP-264											
Yes	No	Yes	No	06	7	AP-265	<a href="#">1.8.1.109</a>		D	MLAP-265											
Yes	No	Yes	No	06	7	AP-266	<a href="#">1.8.1.109</a>		D	MLAP-266											
Yes	No	Yes	No	06	7	AP-267	<a href="#">1.8.1.109</a>		D	MLAP-267											
Yes	No	No	No	06	7	AP-284	<a href="#">1.8.1.109</a>	LR-ISO-2011-03	M	MLAP-284	3.5.1.109	Piping, piping components	Steel	Underground	Loss of material due to general, pitting, crevice corrosion	AMP X3M1, "Buried and Underground piping and Tanks"	No	BWR/PWR		New Record in GALL 2	
Yes	No	No	No	06	7	AP-40	<a href="#">1.8.1.109</a>		D	MLAP-40	3.5.1.080	Heat exchanger components, tanks	Steel	Air - outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X3M3, "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR			
Yes	No	No	No	06	7	AP-41	<a href="#">1.8.1.109</a>		M	MLAP-41	3.5.1.080	Heat exchanger components, tanks	Steel	Air - outdoor	Loss of material due to general, pitting, crevice corrosion	AMP X3M3, "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR			
Yes	No	No	No	06	7	AP-46	<a href="#">1.8.1.109</a>		M	MLAP-46	3.5.1.009	Piping, piping components, tanks	Copper alloy (N6, N6)	Air with bonded water leakage	Loss of material due to boric acid corrosion	AMP X3M7, "Boric Acid Corrosion"	No	PWR		ML-23AP-66	
Yes	Yes	No	No	06	7	A-703	<a href="#">1.8.1.161</a>		N	MLA-703	3.5.1.161	Piping, piping components	Titanium	Condensation	None	None	No	BWR/PWR			
Yes	Yes	No	No	06	7	A-708	<a href="#">1.8.1.161</a>		N	MLA-708	3.5.1.164	Piping, piping components, tanks	PVC	Concrete	None	None	No	BWR/PWR			
Yes	Yes	No	No	06	7	A-710	<a href="#">1.8.1.172</a>		N	MLA-710	3.5.1.178	Piping, piping components, tanks	Fiberglass	Concrete	None	None	No	BWR/PWR			
Yes	Yes	No	No	06	7	A-711	<a href="#">1.8.1.166</a>		N	MLA-711	3.5.1.166	Piping, piping components, tanks	Copper alloy	Concrete	None	None	No	BWR/PWR			
Yes	Yes	No	No	06	7	A-712	<a href="#">1.8.1.167</a>		N	MLA-712	3.5.1.167	Piping components	Zinc	Air - indoor, controlled, air - indoor uncontrolled	None	None	No	BWR/PWR			
Yes	Yes	Yes	No	06	7	A-756	<a href="#">1.8.1.249</a>		D	MLA-756											
Yes	Yes	No	No	06	7	A-763a	<a href="#">1.8.1.249</a>		N	MLA-763a	3.5.1.234	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X3M2, "One-Time Inspection"	Yes	BWR/PWR			
Yes	Yes	No	No	06	7	A-763b	<a href="#">1.8.1.249</a>		N	MLA-763b	3.5.1.234	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X3M2, "External Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR			
Yes	Yes	No	No	06	7	A-763c	<a href="#">1.8.1.249</a>		N	MLA-763c	3.5.1.234	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X3M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR/PWR			
Yes	Yes	No	No	06	7	A-763d	<a href="#">1.8.1.249</a>		N	MLA-763d	3.5.1.234	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X3M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR/PWR			
Yes	Yes	No	No	06	7	A-766	<a href="#">1.8.1.232</a>		N	MLA-766	3.5.1.237	Piping, piping components, heat exchanger components other than tubes	Titanium (ASTM Grades 1, 2, 7, 11, or 12)	Treated water	None	None	No	BWR/PWR			Houston compiled file
Yes	Yes	No	No	06	7	A-768	<a href="#">1.8.1.249</a>		N	MLA-768	3.5.1.239	Piping, piping components, heat exchanger components other than tubes	Titanium (ASTM Grades 1, 2, 7, 11, or 12)	Closed-cycle cooling water	None	None	No	BWR/PWR			Houston compiled file
Yes	Yes	No	No	06	7	A-777	<a href="#">1.8.1.249</a>		N	MLA-777	3.5.1.248	Piping, piping components, tanks	Aluminum	Air with bonded water leakage	None	None	No	PWR			
Yes	No	No	No	06	7	AP-11	<a href="#">1.8.1.119</a>		M	MLAP-11	3.5.1.115	Piping, piping components	Copper alloy (N6, N6)	Air with bonded water leakage	None	None	No	PWR		ML-23AP-11	
Yes	No	Yes	No	06	7	AP-123	<a href="#">1.8.1.119</a>		D	MLAP-123											
Yes	No	No	No	06	7	AP-13	<a href="#">1.8.1.119</a>		D	MLAP-13	3.5.1.116	Piping, piping components, tanks	Galvanized steel	Air - indoor, uncontrolled	None	None	No	BWR/PWR		ML-23AP-13	
Yes	No	No	No	06	7	AP-134	<a href="#">1.8.1.119</a>		D	MLAP-134	3.5.1.113	Piping, piping components, tanks	Aluminum	Air - dry	None	None	No	BWR/PWR		New Record in GALL 2	
Yes	No	Yes	No	06	7	AP-135	<a href="#">1.8.1.117</a>		D	MLAP-135											
Yes	No	No	No	06	7	AP-14	<a href="#">1.8.1.117</a>		M	MLAP-14	3.5.1.117	Piping elements	Glass	Underground	None	None	No	BWR/PWR		ML-23AP-14	
Yes	No	No	No	06	7	AP-144	<a href="#">1.8.1.114</a>		M	MLAP-144	3.5.1.114	Piping, piping components	Copper alloy	None	None	None	No	BWR/PWR		New Record in GALL 2	
Yes	No	No	No	06	7	AP-16	<a href="#">1.8.1.117</a>		M	MLAP-16	3.5.1.117	Piping elements	Glass	Lubricating oil	None	None	No	BWR/PWR		ML-23AP-16	
Yes	No	No	No	06	7	AP-151	<a href="#">1.8.1.122</a>		M	MLAP-151	3.5.1.122	Heat exchanger components	Titanium	Air - indoor, uncontrolled, air - outdoor	None	None	No	BWR/PWR		New Record in GALL 2	
Yes	No	No	No	06	7	AP-152a	<a href="#">1.8.1.122</a>		M	MLAP-152a	3.5.1.123	Heat exchanger components other than tubes	Titanium (ASTM Grades 1, 2, 7, 11, or 12)	Raw water	Flow blockage due to fouling	AMP X3M2, "Open-Cycle Cooling Water System"	No	BWR/PWR		New Record in GALL 2	
Yes	No	No	No	06	7	AP-152b	<a href="#">1.8.1.122</a>		M	MLAP-152b	3.5.1.123	Heat exchanger components other than tubes (for components not covered by NRC CL 89-15)	Titanium (ASTM Grades 1, 2, 7, 11, or 12)	Raw water	Flow blockage due to fouling	AMP X3M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	No	Yes	No	06	7	AP-16	<a href="#">1.8.1.122</a>		D	MLAP-16	3.5.1.122	Piping, piping components	Titanium	Air - indoor, uncontrolled, air - outdoor	None	None	No	BWR/PWR		New Record in GALL 2	
Yes	No	No	No	06	7	AP-161a	<a href="#">1.8.1.122</a>		M	MLAP-161a	3.5.1.123	Piping, piping components	Titanium (ASTM Grades 1, 2, 7, 11, or 12)	Raw water	Flow blockage due to fouling	AMP X3M2, "Open-Cycle Cooling Water System"	No	BWR/PWR		New Record in GALL 2	
Yes	No	No	No	06	7	AP-161b	<a href="#">1.8.1.122</a>		M	MLAP-161b	3.5.1.123	Piping, piping components (for components not covered by NRC CL 89-15)	Titanium (ASTM Grades 1, 2, 7, 11, or 12)	Raw water	Flow blockage due to fouling	AMP X3M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
No	No	No	No	06	7	AP-168	<a href="#">1.8.1.132</a>		M	MLAP-168	3.5.1.117	Piping elements	Glass	Closed-cycle cooling water	None	None	No	BWR/PWR		New Record in GALL 2	
No	No	Yes	No	06	7	AP-167	<a href="#">1.8.1.132</a>		D	MLAP-167											
Yes	No	Yes	No	06	7	AP-17	<a href="#">1.8.1.132</a>		D	MLAP-17											
Yes	No	No	No	06	7	AP-18	<a href="#">1.8.1.132</a>		M	MLAP-18	3.5.1.120	Piping, piping components	Stainless steel	Air with bonded water leakage	None	None	No	PWR		ML-23AP-18	
Yes	No	No	No	06	7	AP-19	<a href="#">1.8.1.132</a>		M	MLAP-19	3.5.1.102	Piping, piping components	Concrete	None	None	None	No	BWR/PWR		ML-23AP-19	MLM1 Expert Panel
Yes	No	No	No	06	7	AP-2	<a href="#">1.8.1.121</a>		M	MLAP-2	3.5.1.121	Piping, piping components	Stainless steel	Air - indoor, controlled	None	None	No	BWR/PWR		ML-23AP-2	
Yes	No	No	No	06	7	AP-20	<a href="#">1.8.1.132</a>		M	MLAP-20	3.5.1.120	Piping, piping components	Stainless steel	Air - dry	None	None	No	BWR/PWR		ML-23AP-20	
Yes	No	No	No	06	7	AP-22	<a href="#">1.8.1.132</a>		M	MLAP-22	3.5.1.120	Piping, piping components	Stainless steel	Gas	None	None	No	BWR/PWR		ML-23AP-22	
Yes	No	No	No	06	7	AP-260	<a href="#">1.8.1.132</a>		M	MLAP-260	3.5.1.119	Piping, piping components	Nickel alloy	Air with bonded water leakage	None	None	No	PWR		New Record in GALL 2	
Yes	No	No	No	06	7	AP-268	<a href="#">1.8.1.132</a>		M	MLAP-268	3.5.1.119	Piping, piping components	PVC	Condensation (see water leakage)	None	None	No	BWR/PWR		New Record in GALL 2	
Yes	No	No	No	06	7	AP-269	<a href="#">1.8.1.132</a>		M	MLAP-269	3.5.1.119	Piping, piping components	PVC	Condensation (see water leakage)	None	None	No	BWR/PWR		New Record in GALL 2	
Yes	No	No	No	06	7	AP-277	<a href="#">1.8.1.132</a>		M	MLAP-277	3.5.1.119	Piping, piping components	Glass	None	None	None	No	BWR/PWR		New Record in GALL 2	
Yes	No	No	No	06	7	AP-282	<a href="#">1.8.1.132</a>		M	MLAP-282	3.5.1.112	Piping, piping components	Steel	Concrete	None	None	Yes	BWR/PWR	AP-3	ML-23AP-27	MLM1 Expert Panel
Yes	No	Yes	No	06	7	AP-36	<a href="#">1.8.1.132</a>		D	MLAP-36											
Yes	No	No	No	06	7	AP-37	<a href="#">1.8.1.132</a>		M	MLAP-37	3.5.1.113	Piping, piping components	Aluminum	Gas	None	None	No	BWR/PWR		ML-23AP-37	
No	No	Yes	No	06	7	AP-4	<a href="#">1.8.1.132</a>		D	MLAP-4											
No	No	No	No	06	7	AP-46	<a href="#">1.8.1.132</a>		M	MLAP-46	3.5.1.117	Piping elements	Glass	Air	None	None	No	BWR/PWR		ML-23AP-46	
No	No	No	No	06	7	AP-49	<a href="#">1.8.1.132</a>		M	MLAP-49	3.5.1.117	Piping elements	Glass	Fuel oil	None	None	No	BWR/PWR		ML-23AP-49	
No	No	No	No	06	7	AP-50	<a href="#">1.8.1.132</a>		M	MLAP-50	3.5.1.117	Piping elements	Glass	Raw water	None	None	No	BWR/PWR		ML-23AP-50	
No	No	No	No	06	7	AP-51	<a href="#">1.8.1.132</a>		M	MLAP-51	3.5.1.117	Piping elements	Glass	Treated water	None	None	No	BWR/PWR		ML-23AP-51	
No	No	No	No	06	7	AP-52	<a href="#">1.8.1.132</a>		M	MLAP-52	3.5.1.117	Piping elements	Glass	Treated bonded water	None	None	No	BWR/PWR		ML-23AP-52	
Yes	No	No	No	06	7	AP-6	<a href="#">1.8.1.132</a>		M	MLAP-6	3.5.1.121	Piping, piping components	Steel	Gas	None	None	No	BWR/PWR		ML-23AP-6	
No	No	Yes	No	06	7	AP-9	<a href="#">1.8.1.132</a>		M	MLAP-9	3.5.1.114	Piping, piping components	Copper alloy	Air - dry, gas	None	None	No	BWR/PWR		ML-23AP-9	
No	No	No	No	06	7	AP-96	<a href="#">1.8.1.132</a>		M	MLAP-96	3.5.1.117	Piping elements	Glass	Air with bonded water leakage	None	None	No	PWR		New Record in GALL 2	
No	No	No	No	06	7	AP-97	<a href="#">1.8.1.132</a>		M	MLAP-97	3.5.1.117	Piping elements	Glass	Condensation	None	None	No	BWR/PWR		New Record in GALL 2	
No	No	No	No	06	7	AP-98	<a href="#">1.8.1.132</a>		M	MLAP-98	3.5.1.117	Piping elements	Glass	None	None	No	BWR		New Record in GALL 2		
No	No	No	No	06	7	AP-15	<a href="#">1.8.1.029</a>		M	MLA-15	3.4.1.005	Piping,									



[illegible]



Yes	No	No	No	MR	D1	SP-127a	<a href="#">16.1.30a</a>	AMP X127a	M	MR-D1-SP-127a	3.4.1.003	Tanks	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X1M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR	New Record in GALL 2		
Yes	No	No	No	MR	D1	SP-74	<a href="#">16.1.37a</a>	AMP X127a	M	MR-D1-SP-74	3.4.1.014	Piping, piping components	Steel	Treated water	Loss of material due to general, pitting corrosion	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	Yes	PWR	S-10	MR-D1-SP-10	
Yes	No	No	No	MR	D1	SP-88	<a href="#">16.1.38a</a>	AMP X127a	M	MR-D1-SP-88	3.4.1.085	Piping, piping components	Stainless steel, nickel alloy	Treated water	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	Yes	PWR	SP-16	MR-D1-SP-16	
Yes	No	No	No	MR	D1	SP-96	<a href="#">16.1.37b</a>	AMP X127a	M	MR-D1-SP-96	3.4.1.011	Piping, piping components	Stainless steel	Treated water	Cracking due to SCC	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	Yes	PWR	SP-17	MR-D1-SP-17	
Yes	No	No	No	MR	D1	SP-90	<a href="#">16.1.37b</a>	AMP X127a	M	MR-D1-SP-90	3.4.1.018	Piping, piping components	Aluminum	Treated water	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	Yes	PWR	SP-24	MR-D1-SP-24	
Yes	No	No	No	MR	D1	SP-81	<a href="#">16.1.40a</a>	AMP X127a	M	MR-D1-SP-81	3.4.1.040	Piping, piping components	Steel	Lubricating oil	Loss of material due to general, pitting corrosion	AMP X1M2, "Lubricating Oil Analysis," and AMP X1M2, "One-Time Inspection"	Yes	PWR	SP-25	MR-D1-SP-25	
Yes	No	No	No	MR	D1	SP-92	<a href="#">16.1.40a</a>	AMP X127a	M	MR-D1-SP-92	3.4.1.043	Piping, piping components	Copper alloy	Lubricating oil	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Lubricating Oil Analysis," and AMP X1M2, "One-Time Inspection"	Yes	PWR	SP-32	MR-D1-SP-32	
Yes	No	No	No	MR	D1	SP-93	<a href="#">16.1.40a</a>	AMP X127a	M	MR-D1-SP-93	3.4.1.044	Piping, piping components	Stainless steel	Lubricating oil	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Lubricating Oil Analysis," and AMP X1M2, "One-Time Inspection"	Yes	PWR	SP-38	MR-D1-SP-38	
Yes	No	No	No	MR	D2	S-11	<a href="#">16.1.40a</a>	AMP X127a	M	MR-D2-S-11	3.4.1.001	Any	Any	Any	Corrosion fatigue damage due to fatigue	AMP X1M2, "One-Time Inspection"	Yes	BWR	MR-D2-S-11		
Yes	No	No	No	MR	D2	S-36	<a href="#">16.1.39b</a>	AMP X127a	M	MR-D2-S-36	3.4.1.005	Any	Any	Any	Wall thinning due to flow-accelerated corrosion	AMP X1M7, "Flow-Accelerated Corrosion"	Yes	BWR	MR-D2-S-36		
Yes	No	No	No	MR	D2	S-400b	<a href="#">16.1.39b</a>	LR-ISO-2012-02	M	MR-D2-S-400b	3.4.1.061	Piping, piping components	Metallic	Raw water, waste water	Loss of material due to recurring internal corrosion	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR			
Yes	No	No	No	MR	D2	S-401	<a href="#">16.1.39b</a>	LR-ISO-2012-01	D	MR-D2-S-401											
Yes	No	No	No	MR	D2	S-402	<a href="#">16.1.39b</a>	LR-ISO-2012-02	D	MR-D2-S-402											
Yes	No	No	No	MR	D2	S-403	<a href="#">16.1.39b</a>	LR-ISO-2012-01	M	MR-D2-S-403	3.4.1.060	Piping, piping components	Metallic	Treated water	Wall thinning due to erosion	AMP X1M7, "Flow-Accelerated Corrosion"	Yes	BWR			
Yes	No	No	No	MR	D2	S-418	<a href="#">16.1.39b</a>	LR-ISO-2012-01	D	MR-D2-S-418											
Yes	Yes	No	No	MR	D2	S-429	<a href="#">16.1.37a</a>		N	MR-D2-S-429	3.4.1.078	Piping, piping components	Exhauster	Air, condensation	Hardening or loss of strength due to alkali stress corrosion	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	Yes	No	No	MR	D2	S-432	<a href="#">16.1.38b</a>		N	MR-D2-S-432	3.4.1.081	Any	Any	Any	Long-term loss of material due to general corrosion	AMP X1M2, "One-Time Inspection"	No	BWR			
Yes	Yes	No	No	MR	D2	S-436	<a href="#">16.1.39a</a>		N	MR-D2-S-436	3.4.1.092	Piping, piping components	Copper alloy	Soil	Loss of material due to selective leaching	AMP X1M3, "Selective Leaching"	No	BWR			
Yes	Yes	Yes	No	MR	D2	S-441	<a href="#">16.1.39a</a>		N	MR-D2-S-441											
Yes	Yes	Yes	No	MR	D2	S-457a	<a href="#">16.1.39a</a>		N	MR-D2-S-457a											
Yes	Yes	No	No	MR	D2	S-457b	<a href="#">16.1.39a</a>		N	MR-D2-S-457b	3.4.1.109	Piping, piping components	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X1M2, "One-Time Inspection"	Yes	BWR			
Yes	Yes	No	No	MR	D2	S-457c	<a href="#">16.1.39a</a>		N	MR-D2-S-457c	3.4.1.109	Piping, piping components	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR			
Yes	Yes	No	No	MR	D2	S-457d	<a href="#">16.1.39a</a>		N	MR-D2-S-457d	3.4.1.109	Piping, piping components	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X1M2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR			
Yes	Yes	Yes	No	MR	D2	S-458a	<a href="#">16.1.39a</a>		D	MR-D2-S-458a											
Yes	Yes	Yes	No	MR	D2	S-458b	<a href="#">16.1.39a</a>		D	MR-D2-S-458b											
Yes	Yes	Yes	No	MR	D2	S-458c	<a href="#">16.1.39a</a>		D	MR-D2-S-458c											
Yes	Yes	Yes	No	MR	D2	S-458d	<a href="#">16.1.39a</a>		D	MR-D2-S-458d											
Yes	Yes	Yes	No	MR	D2	S-458e	<a href="#">16.1.39a</a>		D	MR-D2-S-458e											
Yes	Yes	Yes	No	MR	D2	S-458f	<a href="#">16.1.39a</a>		D	MR-D2-S-458f											
Yes	Yes	No	No	MR	D2	S-472	<a href="#">16.1.39a</a>		N	MR-D2-S-472	3.4.1.123	Piping, piping components	Exhauster	Air	Loss of material due to wear	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	Yes	No	No	MR	D2	S-473a	<a href="#">16.1.39a</a>		N	MR-D2-S-473a	3.4.1.130	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion. Flow blockage due to fouling	AMP X1M2, "Open-Cycle Cooling Water System"	No	BWR/PWR			
Yes	Yes	No	No	MR	D2	S-473b	<a href="#">16.1.39a</a>		N	MR-D2-S-473b	3.4.1.130	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion. Flow blockage due to fouling	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	No	No	MR	D2	S-481	<a href="#">16.1.33a</a>		N	MR-D2-S-481	3.4.1.133	Piping, piping components	Aluminum	Raw water	Flow blockage due to fouling	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR			
Yes	No	No	No	MR	D2	SP-118a	<a href="#">16.1.39a</a>		M	MR-D2-SP-118a	3.4.1.002	Piping, piping components	Stainless steel	Air, condensation	Cracking due to SCC	AMP X1M2, "One-Time Inspection"	Yes	BWR	New Record in GALL 2		
Yes	No	No	No	MR	D2	SP-118b	<a href="#">16.1.39a</a>		M	MR-D2-SP-118b	3.4.1.002	Piping, piping components	Stainless steel	Air, condensation	Cracking due to SCC	AMP X1M8, "Internal Surfaces Monitoring of Mechanical Components"	Yes	BWR	New Record in GALL 2		
Yes	No	No	No	MR	D2	SP-118c	<a href="#">16.1.39a</a>		M	MR-D2-SP-118c	3.4.1.002	Piping, piping components	Stainless steel	Air, condensation	Cracking due to SCC	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR	New Record in GALL 2		
Yes	No	No	No	MR	D2	SP-118d	<a href="#">16.1.39a</a>		M	MR-D2-SP-118d	3.4.1.002	Piping, piping components	Stainless steel	Air, condensation	Cracking due to SCC	AMP X1M2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR	New Record in GALL 2		
Yes	No	No	No	MR	D2	SP-127a	<a href="#">16.1.39a</a>		D	MR-D2-SP-127a											
Yes	No	No	No	MR	D2	SP-127b	<a href="#">16.1.39a</a>		M	MR-D2-SP-127b	3.4.1.003	Piping, piping components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X1M8, "Internal Surfaces Monitoring of Mechanical Components"	Yes	BWR	New Record in GALL 2		
Yes	No	No	No	MR	D2	SP-127c	<a href="#">16.1.39a</a>		M	MR-D2-SP-127c	3.4.1.003	Piping, piping components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR	New Record in GALL 2		
Yes	No	No	No	MR	D2	SP-127d	<a href="#">16.1.39a</a>		M	MR-D2-SP-127d	3.4.1.003	Piping, piping components	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR	New Record in GALL 2		
Yes	No	No	No	MR	D2	SP-127e	<a href="#">16.1.39a</a>		M	MR-D2-SP-127e	3.4.1.003	Tanks	Stainless steel	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWR	New Record in GALL 2		
Yes	No	No	No	MR	D2	SP-73	<a href="#">16.1.34a</a>		N	MR-D2-SP-73	3.4.1.014	Piping, piping components	Steel	Treated water	Loss of material due to general, pitting corrosion	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	BWR	S-09	MR-D2-SP-09	
Yes	No	No	No	MR	D2	SP-87	<a href="#">16.1.35a</a>		M	MR-D2-SP-87	3.4.1.085	Piping, piping components	Stainless steel	Treated water	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	BWR	SP-16	MR-D2-SP-16	
Yes	No	No	No	MR	D2	SP-90	<a href="#">16.1.37a</a>		M	MR-D2-SP-90	3.4.1.018	Piping, piping components	Aluminum	Treated water	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Water Chemistry," and AMP X1M2, "One-Time Inspection"	No	BWR	SP-24	MR-D2-SP-24	
Yes	No	No	No	MR	D2	SP-91	<a href="#">16.1.40a</a>		M	MR-D2-SP-91	3.4.1.040	Piping, piping components	Steel	Lubricating oil	Loss of material due to general, pitting corrosion	AMP X1M2, "Lubricating Oil Analysis," and AMP X1M2, "One-Time Inspection"	No	BWR	SP-25	MR-D2-SP-25	
Yes	No	No	No	MR	D2	SP-92	<a href="#">16.1.40a</a>		M	MR-D2-SP-92	3.4.1.043	Piping, piping components	Copper alloy	Lubricating oil	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Lubricating Oil Analysis," and AMP X1M2, "One-Time Inspection"	No	BWR	SP-32	MR-D2-SP-32	
Yes	No	No	No	MR	D2	SP-93	<a href="#">16.1.40a</a>		M	MR-D2-SP-93	3.4.1.044	Piping, piping components	Stainless steel	Lubricating oil	Loss of material due to pitting, crevice corrosion	AMP X1M2, "Lubricating Oil Analysis," and AMP X1M2, "One-Time Inspection"	No	BWR	SP-38	MR-D2-SP-38	
Yes	No	No	No	MR	E	S-16	<a href="#">16.1.39a</a>		M	MR-E-S-16	3.4.1.005	Piping, piping components	Steel	Treated water	Wall thinning due to flow-accelerated corrosion	AMP X1M7, "Flow-Accelerated Corrosion"	No	BWR	MR-E-S-16		
Yes	No	No	No	MR	E	S-23	<a href="#">16.1.39a</a>		M	MR-E-S-23	3.4.1.025	Heat exchanger	Steel	Closed-cycle cooling water	Loss of material due to general, pitting corrosion	AMP X1M21A, "Closed Treated Water Systems"	No	BWR/PWR	MR-E-S-23		
Yes	No	No	No	MR	E	S-25	<a href="#">16.1.39a</a>		M	MR-E-S-25	3.4.1.026	Heat exchanger	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion	AMP X1M21A, "Closed Treated Water Systems"	No	BWR/PWR	MR-E-S-25		
No	No	No	No	MR	E	S-28	<a href="#">16.1.39a</a>		M	MR-E-S-28	3.4.1.022	Heat exchanger tubes	Stainless steel	Raw water	Reduction of heat transfer due to fouling	AMP X1M2, "Open-Cycle Cooling Water System"	No	BWR/PWR	MR-E-S-28		
No	No	Yes	No	MR	E	S-31	<a href="#">16.1.39a</a>		D	MR-E-S-31											
Yes	No	No	No	MR	E	S-400a	<a href="#">16.1.39a</a>	LR-ISO-2012-02	N	MR-E-S-400a	3.4.1.061	Piping, piping components	Metallic	Raw water, waste water	Loss of material due to recurring internal corrosion	AMP X1M2, "Open-Cycle Cooling Water System"	Yes	BWR/PWR			
Yes	No	No	No	MR	E	S-400b	<a href="#">16.1.39a</a>	LR-ISO-2012-02	N	MR-E-S-400b	3.4.1.061	Piping, piping components	Metallic	Raw water, waste water	Loss of material due to recurring internal corrosion	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	BWR/PWR			
Yes	No	No	No	MR	E	S-401	<a href="#">16.1.39a</a>	LR-ISO-2012-01	M	MR-E-S-401	3.4.1.066	Piping, piping components	Any material with internal coatings/linings	Closed-cycle cooling water, raw water, treated water	Loss of coating or lining integrity due to leaching, cracking, flaking, peeling, delamination, rusting, physical damage, loss of material or coating for semi-conductive coatings/linings	AMP X1M2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR/PWR			
Yes	No	Yes	No	MR	E	S-402	<a href="#">16.1.39a</a>	LR-ISO-2012-02	D	MR-E-S-402	3.4.1.062	Tanks within the scope of AMP X1M2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel, stainless steel, aluminum	Treated water	Loss of material due to general (steel only), pitting, crevice corrosion, MC (steel, stainless steel only)	AMP X1M2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	BWR/PWR			
Yes	No	No	No	MR	E	S-414	<a href="#">16.1.39a</a>	LR-ISO-2012-01	M	MR-E-S-414	3.4.1.067	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with an internal coating/lining	Closed-cycle cooling water, raw water, treated water, lubricating oil	Loss of material due to general, pitting, crevice corrosion, MC	AMP X1M2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR/PWR			
Yes	No	No	No	MR	E	S-415	<a href="#">16.1.39a</a>	LR-ISO-2012-01	N	MR-E-S-415	3.4.1.068	Piping, piping components with internal coatings/linings	Glass/ceramic, ductile iron with internal coatings/linings	Closed-cycle cooling water, raw water, treated water, lubricating oil	Loss of material due to selective leaching	AMP X1M2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	BWR/PWR			
Yes	Yes	Yes	No	MR	E	S-421	<a href="#">16.1.39a</a>		D	MR-E-S-421											
Yes	No	No	No	MR	E	S-430	<a href="#">16.1.39a</a>		N	MR-E-S-430	3.4.1.078	Piping, piping components	Exhauster	Air, condensation	Hardening or loss of strength due to alkali stress corrosion	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	Yes	No	No	MR	E	S-432	<a href="#">16.1.39a</a>		N	MR-E-S-432	3.4.1.081	Any	Any	Any	Long-term loss of material due to general corrosion	AMP X1M2, "One-Time Inspection"	No	BWR/PWR			
Yes	No	No	No	MR	E	S-433	<a href="#">16.1.39a</a>		N	MR-E-S-433	3.4.1.086	Heat exchanger tubes internal to components	Stainless steel, steel, aluminum, copper alloy	Air, condensation	Reduction of heat transfer due to fouling	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	No	No	No	MR	E	S-436	<a href="#">16.1.39a</a>		N	MR-E-S-436	3.4.1.089	Piping, piping components not covered by NRC GL 89-03	Steel, stainless steel, copper alloy	Raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion, MC, flow blockage due to fouling	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	No	No	No	MR	E	S-437	<a href="#">16.1.39a</a>		N	MR-E-S-437	3.4.1.090	Heat exchanger tubes for components not covered by NRC GL 89-03	Steel, stainless steel, copper alloy	Raw water	Reduction of heat transfer due to fouling	AMP X1M8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR			
Yes	No	No	No	MR	E	S-438	<a href="#">16.1.39a</a>		N	MR-E											



Yes	No	No	No	MR	E	3-448a	<a href="#">3.4-100</a>		N	MR.E-3-448	3-4-1-101	Tanks within the scope of AMP X-M20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Soil, concrete	Cracking due to SCC	AMP X-M20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	EW/PWR		
Yes	Yes	No	No	MR	E	3-450a	<a href="#">3.4-102</a>		N	MR.E-3-450a	3-4-1-102	Tanks within the scope of AMP X-M20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, sea water, waste water	Cracking due to SCC	AMP X-M20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	EW/PWR		
Yes	Yes	No	No	MR	E	3-450b	<a href="#">3.4-103</a>		N	MR.E-3-450b	3-4-1-102	Tanks within the scope of AMP X-M20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, soil, concrete, sea water, waste water	Cracking due to SCC	AMP X-M20, "One-Time Inspection"	Yes	EW/PWR		
Yes	Yes	No	No	MR	E	3-450c	<a href="#">3.4-104</a>		N	MR.E-3-450c	3-4-1-102	Tanks within the scope of AMP X-M20, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, soil, concrete, sea water, waste water	Cracking due to SCC	AMP X-M20, "One-Time Inspection"	Yes	EW/PWR		
No	Yes	Yes	No	MR	E	3-457a	<a href="#">3.4-105</a>		D	MR.E-3-457a	3-4-1-109	Piping joining components, tanks	Aluminum	Air, condensation, sea water, waste water	Cracking due to SCC	AMP X-M20, "One-Time Inspection"	Yes	EW/PWR		
Yes	Yes	No	No	MR	E	3-457b	<a href="#">3.4-106</a>		N	MR.E-3-457b	3-4-1-109	Piping joining components	Aluminum	Air, condensation, sea water, waste water	Cracking due to SCC	AMP X-M20, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	EW/PWR		
Yes	Yes	No	No	MR	E	3-457c	<a href="#">3.4-107</a>		N	MR.E-3-457c	3-4-1-109	Piping joining components, tanks	Aluminum	Air, condensation, sea water, waste water	Cracking due to SCC	AMP X-M20, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	EW/PWR		
No	Yes	Yes	No	MR	E	3-458a	<a href="#">3.4-108</a>		D	MR.E-3-458a										
No	Yes	Yes	No	MR	E	3-458b	<a href="#">3.4-109</a>		D	MR.E-3-458b										
No	Yes	Yes	No	MR	E	3-458c	<a href="#">3.4-110</a>		D	MR.E-3-458c										
No	Yes	Yes	No	MR	E	3-458d	<a href="#">3.4-111</a>		D	MR.E-3-458d										
No	Yes	Yes	No	MR	E	3-458e	<a href="#">3.4-112</a>		D	MR.E-3-458e										
No	Yes	Yes	No	MR	E	3-458f	<a href="#">3.4-113</a>		D	MR.E-3-458f										
No	Yes	Yes	No	MR	E	3-458g	<a href="#">3.4-114</a>		D	MR.E-3-458g										
No	Yes	Yes	No	MR	E	3-458h	<a href="#">3.4-115</a>		D	MR.E-3-458h										
No	Yes	Yes	No	MR	E	3-458i	<a href="#">3.4-116</a>		D	MR.E-3-458i										
No	Yes	Yes	No	MR	E	3-458j	<a href="#">3.4-117</a>		D	MR.E-3-458j										
No	Yes	Yes	No	MR	E	3-458k	<a href="#">3.4-118</a>		D	MR.E-3-458k										
No	Yes	Yes	No	MR	E	3-458l	<a href="#">3.4-119</a>		D	MR.E-3-458l										
No	Yes	Yes	No	MR	E	3-458m	<a href="#">3.4-120</a>		D	MR.E-3-458m										
No	Yes	Yes	No	MR	E	3-458n	<a href="#">3.4-121</a>		D	MR.E-3-458n										
No	Yes	Yes	No	MR	E	3-458o	<a href="#">3.4-122</a>		D	MR.E-3-458o										
No	Yes	Yes	No	MR	E	3-458p	<a href="#">3.4-123</a>		D	MR.E-3-458p										
No	Yes	Yes	No	MR	E	3-458q	<a href="#">3.4-124</a>		D	MR.E-3-458q										
No	Yes	Yes	No	MR	E	3-458r	<a href="#">3.4-125</a>		D	MR.E-3-458r										
No	Yes	Yes	No	MR	E	3-458s	<a href="#">3.4-126</a>		D	MR.E-3-458s										
No	Yes	Yes	No	MR	E	3-458t	<a href="#">3.4-127</a>		D	MR.E-3-458t										
No	Yes	Yes	No	MR	E	3-458u	<a href="#">3.4-128</a>		D	MR.E-3-458u										
No	Yes	Yes	No	MR	E	3-458v	<a href="#">3.4-129</a>		D	MR.E-3-458v										
No	Yes	Yes	No	MR	E	3-458w	<a href="#">3.4-130</a>		D	MR.E-3-458w										
No	Yes	Yes	No	MR	E	3-458x	<a href="#">3.4-131</a>		D	MR.E-3-458x										
No	Yes	Yes	No	MR	E	3-458y	<a href="#">3.4-132</a>		D	MR.E-3-458y										
No	Yes	Yes	No	MR	E	3-458z	<a href="#">3.4-133</a>		D	MR.E-3-458z										
No	Yes	Yes	No	MR	E	3-459a	<a href="#">3.4-134</a>		D	MR.E-3-459a										
No	Yes	Yes	No	MR	E	3-459b	<a href="#">3.4-135</a>		D	MR.E-3-459b										
No	Yes	Yes	No	MR	E	3-459c	<a href="#">3.4-136</a>		D	MR.E-3-459c										
No	Yes	Yes	No	MR	E	3-459d	<a href="#">3.4-137</a>		D	MR.E-3-459d										
No	Yes	Yes	No	MR	E	3-459e	<a href="#">3.4-138</a>		D	MR.E-3-459e										
No	Yes	Yes	No	MR	E	3-459f	<a href="#">3.4-139</a>		D	MR.E-3-459f										
No	Yes	Yes	No	MR	E	3-459g	<a href="#">3.4-140</a>		D	MR.E-3-459g										
No	Yes	Yes	No	MR	E	3-459h	<a href="#">3.4-141</a>		D	MR.E-3-459h										
No	Yes	Yes	No	MR	E	3-459i	<a href="#">3.4-142</a>		D	MR.E-3-459i										
No	Yes	Yes	No	MR	E	3-459j	<a href="#">3.4-143</a>		D	MR.E-3-459j										
No	Yes	Yes	No	MR	E	3-459k	<a href="#">3.4-144</a>		D	MR.E-3-459k										
No	Yes	Yes	No	MR	E	3-459l	<a href="#">3.4-145</a>		D	MR.E-3-459l										
No	Yes	Yes	No	MR	E	3-459m	<a href="#">3.4-146</a>		D	MR.E-3-459m										
No	Yes	Yes	No	MR	E	3-459n	<a href="#">3.4-147</a>		D	MR.E-3-459n										
No	Yes	Yes	No	MR	E	3-459o	<a href="#">3.4-148</a>		D	MR.E-3-459o										
No	Yes	Yes	No	MR	E	3-459p	<a href="#">3.4-149</a>		D	MR.E-3-459p										
No	Yes	Yes	No	MR	E	3-459q	<a href="#">3.4-150</a>		D	MR.E-3-459q										
No	Yes	Yes	No	MR	E	3-459r	<a href="#">3.4-151</a>		D	MR.E-3-459r										
No	Yes	Yes	No	MR	E	3-459s	<a href="#">3.4-152</a>		D	MR.E-3-459s										
No	Yes	Yes	No	MR	E	3-459t	<a href="#">3.4-153</a>		D	MR.E-3-459t										
No	Yes	Yes	No	MR	E	3-459u	<a href="#">3.4-154</a>		D	MR.E-3-459u										
No	Yes	Yes	No	MR	E	3-459v	<a href="#">3.4-155</a>		D	MR.E-3-459v										
No	Yes	Yes	No	MR	E	3-459w	<a href="#">3.4-156</a>		D	MR.E-3-459w										
No	Yes	Yes	No	MR	E	3-459x	<a href="#">3.4-157</a>		D	MR.E-3-459x										
No	Yes	Yes	No	MR	E	3-459y	<a href="#">3.4-158</a>		D	MR.E-3-459y										
No	Yes	Yes	No	MR	E	3-459z	<a href="#">3.4-159</a>		D	MR.E-3-459z										
No	Yes	Yes	No	MR	E	3-460a	<a href="#">3.4-160</a>		D	MR.E-3-460a										
No	Yes	Yes	No	MR	E	3-460b	<a href="#">3.4-161</a>		D	MR.E-3-460b										
No	Yes	Yes	No	MR	E	3-460c	<a href="#">3.4-162</a>		D	MR.E-3-460c										
No	Yes	Yes	No	MR	E	3-460d	<a href="#">3.4-163</a>		D	MR.E-3-460d										
No	Yes	Yes	No	MR	E	3-460e	<a href="#">3.4-164</a>		D	MR.E-3-460e										
No	Yes	Yes	No	MR	E	3-460f	<a href="#">3.4-165</a>		D	MR.E-3-460f										
No	Yes	Yes	No	MR	E	3-460g	<a href="#">3.4-166</a>		D	MR.E-3-460g										
No	Yes	Yes	No	MR	E	3-460h	<a href="#">3.4-167</a>		D	MR.E-3-460h										
No	Yes	Yes	No	MR	E	3-460i	<a href="#">3.4-168</a>		D	MR.E-3-460i										
No	Yes	Yes	No	MR	E	3-460j	<a href="#">3.4-169</a>		D	MR.E-3-460j										
No	Yes	Yes	No	MR	E	3-460k	<a href="#">3.4-170</a>		D	MR.E-3-460k										
No	Yes	Yes	No	MR	E	3-460l	<a href="#">3.4-171</a>		D	MR.E-3-460l										
No	Yes	Yes	No	MR	E	3-460m	<a href="#">3.4-172</a>		D	MR.E-3-460m										
No	Yes	Yes	No	MR	E	3-460n	<a href="#">3.4-173</a>		D	MR.E-3-460n										
No	Yes	Yes	No	MR	E	3-460o	<a href="#">3.4-174</a>		D	MR.E-3-460o										
No	Yes	Yes	No	MR	E	3-460p	<a href="#">3.4-175</a>		D	MR.E-3-460p										
No	Yes	Yes	No	MR	E	3-460q	<a href="#">3.4-176</a>		D	MR.E-3-460q										
No	Yes	Yes	No	MR	E	3-460r	<a href="#">3.4-177</a>		D	MR.E-3-460r										
No	Yes	Yes	No	MR	E	3-460s	<a href="#">3.4-178</a>		D	MR.E-3-460s										
No	Yes	Yes	No	MR	E	3-460t	<a href="#">3.4-179</a>		D	MR.E-3-460t										
No	Yes	Yes	No	MR	E	3-460u	<a href="#">3.4-180</a>		D	MR.E-3-460u										
No	Yes	Yes	No	MR	E	3-460v	<a href="#">3.4-181</a>		D	MR.E-3-460v										
No	Yes	Yes	No	MR	E	3-460w	<a href="#">3.4-182</a>		D	MR.E-3-460w										
No	Yes	Yes	No	MR	E	3-460x	<a href="#">3.4-183</a>		D	MR.E-3-460x										
No	Yes	Yes	No	MR	E	3-460y	<a href="#">3.4-184</a>		D	MR.E-3-460y										
No	Yes	Yes	No	MR	E	3-460z	<a href="#">3.4-185</a>		D	MR.E-3-460z										
No	Yes	Yes	No	MR	E	3-461a	<a href="#">3.4-186</a>		D	MR.E-3-461a										
No	Yes	Yes	No	MR	E	3-461b	<a href="#">3.4-187</a>		D	MR.E-3-461b										
No	Yes	Yes	No	MR	E	3-461c	<a href="#">3.4-188</a>		D	MR.E-3-461c										
No	Yes	Yes	No	MR	E	3-461d	<a href="#">3.4-189</a>		D	MR.E-3-461d										
No	Yes	Yes	No	MR	E	3-461e	<a href="#">3.4-190</a>		D	MR.E-3-461e										
No	Yes	Yes	No	MR	E	3-461f	<a href="#">3.4-191</a>		D	MR.E-3-461f										
No	Yes	Yes	No	MR	E	3-461g	<a href="#">3.4-192</a>		D	MR.E-3-461g										
No	Yes	Yes	No	MR	E	3-461h	<a href="#">3.4-193</a>		D	MR.E-3-461h										
No	Yes	Yes	No																	



Yes	Yes	No	No	US	F	0.437	<a href="#">16.1.306</a>		N	US F.S-437	3.4.1.090	Heat exchanger tubes for components not covered by NRC CL 89-13)	Steel, stainless steel, copper alloy	Raw water	Reduction of heat transfer due to fouling	AMP XIM36, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR				
Yes	Yes	No	No	US	F	0.438	<a href="#">16.1.304</a>		N	US F.S-438	3.4.1.091	Heat exchanger components for components not covered by NRC CL 89-13)	Steel, stainless steel, copper alloy	Raw water	Loss of material due to general (pitting, crevice) corrosion, MIC, flow blockage due to fouling	AMP XIM36, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR				
Yes	Yes	No	No	US	F	0.439	<a href="#">16.1.306</a>		N	US F.S-439	3.4.1.092	Piping, piping components	Copper alloy (≥10% Zn or ≥6% Al)	Boil	Loss of material due to selective leaching	AMP XIM33, "Selective Leaching"	No	PWR				
Yes	Yes	Yes	No	US	F	0.440	<a href="#">16.1.306</a>		D	US F.S-440												
Yes	Yes	Yes	No	US	F	0.441	<a href="#">16.1.306</a>		D	US F.S-441												
Yes	Yes	Yes	No	US	F	0.437a	<a href="#">16.1.306</a>		D	US F.S-437a												
Yes	Yes	No	No	US	F	0.437b	<a href="#">16.1.306</a>		N	US F.S-437b	3.4.1.109	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM2, "One-Time Inspection"	Yes	PWR				
Yes	Yes	No	No	US	F	0.437c	<a href="#">16.1.306</a>		N	US F.S-437c	3.4.1.109	Piping, piping components	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR				
Yes	Yes	No	No	US	F	0.437d	<a href="#">16.1.306</a>		N	US F.S-437d	3.4.1.109	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP XIM2, "Internal Coatings/Linings for In-Scope Piping, Pump Components, Heat Exchangers, and Tanks"	Yes	PWR				
Yes	Yes	Yes	No	US	F	0.438a	<a href="#">16.1.306</a>		D	US F.S-438a												
Yes	Yes	Yes	No	US	F	0.438b	<a href="#">16.1.306</a>		D	US F.S-438b												
Yes	Yes	Yes	No	US	F	0.438c	<a href="#">16.1.306</a>		D	US F.S-438c												
Yes	Yes	Yes	No	US	F	0.438d	<a href="#">16.1.306</a>		D	US F.S-438d												
Yes	Yes	Yes	No	US	F	0.439a	<a href="#">16.1.306</a>		D	US F.S-439a												
Yes	Yes	Yes	No	US	F	0.439b	<a href="#">16.1.306</a>		D	US F.S-439b												
Yes	Yes	Yes	No	US	F	0.439c	<a href="#">16.1.306</a>		D	US F.S-439c												
Yes	Yes	No	No	US	F	0.440	<a href="#">16.1.306</a>		N	US F.S-440	3.4.1.114	Heat exchanger tubes	Titanium	Treated water	Reduction of heat transfer due to fouling	AMP XIM2, "Water Chemistry," and AMP XIM2, "One-Time Inspection"	No	PWR			Hot/cold compiled file	
Yes	Yes	No	No	US	F	0.441	<a href="#">16.1.306</a>		N	US F.S-441	3.4.1.116	Heat exchanger tubes	Titanium	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP XIM2A, "Closed Treated Water Systems"	No	PWR			Hot/cold compiled file	
Yes	Yes	No	No	US	F	0.438a	<a href="#">16.1.306</a>		N	US F.S-438a	3.4.1.130	Heat exchanger components other than tanks	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	BWR/PWR				
Yes	Yes	No	No	US	F	0.438b	<a href="#">16.1.306</a>		N	US F.S-438b	3.4.1.130	Heat exchanger components other than tanks	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR				
Yes	Yes	No	No	US	F	0.438c	<a href="#">16.1.306</a>		N	US F.S-438c	3.4.1.133	Piping, piping components	Aluminum	Raw water	Flow blockage due to fouling	AMP XIM3, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR				
No	No	No	No	US	F	SP-100	<a href="#">16.1.306</a>		M	US F.SP-100	3.4.1.018	Heat exchanger tubes	Copper alloy	Treated water	Reduction of heat transfer due to fouling	AMP XIM2, "Water Chemistry," and AMP XIM2, "One-Time Inspection"	No	PWR	SP-58		US F-73SP-58)	
No	No	No	No	US	F	SP-101	<a href="#">16.1.306</a>		M	US F.SP-101	3.4.1.018	Piping, piping components	Copper alloy	Treated water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Open-Cycle Cooling Water System"	No	PWR	SP-61		US F-73SP-61)	
Yes	No	No	No	US	F	SP-117	<a href="#">16.1.306</a>		M	US F.SP-117	3.4.1.019	Heat exchanger components	Stainless steel	Raw water	Loss of material due to pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	PWR	5-26		US F-205-26)	
Yes	No	No	No	US	F	SP-118a	<a href="#">16.1.306</a>		M	US F.SP-118a	3.4.1.022	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM2, "One-Time Inspection"	Yes	PWR			New Record in GALL 2	
Yes	No	No	No	US	F	SP-118b	<a href="#">16.1.306</a>		M	US F.SP-118b	3.4.1.022	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM2, "External Surface Monitoring of Mechanical Components"	Yes	PWR			New Record in GALL 2	
Yes	No	No	No	US	F	SP-118c	<a href="#">16.1.306</a>		M	US F.SP-118c	3.4.1.022	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR			New Record in GALL 2	
Yes	No	No	No	US	F	SP-118d	<a href="#">16.1.306</a>		M	US F.SP-118d	3.4.1.022	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP XIM2, "Internal Coatings/Linings for In-Scope Piping, Pump Components, Heat Exchangers, and Tanks"	Yes	PWR			New Record in GALL 2	
Yes	No	Yes	No	US	F	SP-127a	<a href="#">16.1.306</a>		D	US F.SP-127a	3.4.1.003	Piping, piping components	Stainless steel, mild alloy	Air, condensation	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "External Surface Monitoring of Mechanical Components"	Yes	PWR			New Record in GALL 2	
Yes	No	No	No	US	F	SP-127b	<a href="#">16.1.306</a>		M	US F.SP-127b	3.4.1.003	Piping, piping components	Stainless steel, mild alloy	Air, condensation	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR			New Record in GALL 2	
Yes	No	No	No	US	F	SP-127c	<a href="#">16.1.306</a>		M	US F.SP-127c	3.4.1.003	Piping, piping components	Stainless steel, mild alloy	Air, condensation	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Internal Coatings/Linings for In-Scope Piping, Pump Components, Heat Exchangers, and Tanks"	Yes	PWR			New Record in GALL 2	
Yes	No	No	No	US	F	SP-127d	<a href="#">16.1.306</a>		M	US F.SP-127d	3.4.1.003	Tanks	Stainless steel, mild alloy	Air, condensation	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR			New Record in GALL 2	
Yes	No	No	No	US	F	SP-148	<a href="#">16.1.306</a>		M	US F.SP-148	3.4.1.019	Heat exchanger components	Steel	Raw water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Open-Cycle Cooling Water System"	No	PWR	5-24		US F-505-24)	
Yes	No	No	No	US	F	SP-27	<a href="#">16.1.306</a>		M	US F.SP-27	3.4.1.033	Piping, piping components	Gray cast iron, ductile iron	Treated water	Loss of material due to selective leaching	AMP XIM3, "Selective Leaching"	No	PWR			US F-190SP-27)	
Yes	No	No	No	US	F	SP-29	<a href="#">16.1.306</a>		M	US F.SP-29	3.4.1.033	Piping, piping components	Copper alloy (≥10% Zn or ≥6% Al)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP XIM3, "Selective Leaching"	No	PWR			US F-160SP-29)	
Yes	No	No	No	US	F	SP-30	<a href="#">16.1.306</a>		M	US F.SP-30	3.4.1.033	Piping, piping components	Copper alloy (≥10% Zn or ≥6% Al)	Raw water	Loss of material due to selective leaching	AMP XIM3, "Selective Leaching"	No	PWR			US F-173SP-30)	
Yes	No	No	No	US	F	SP-31	<a href="#">16.1.306</a>		M	US F.SP-31	3.4.1.020	Piping, piping components	Copper alloy	Raw water	Loss of material due to general, pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	PWR			US F-140SP-31)	
Yes	No	No	No	US	F	SP-36	<a href="#">16.1.306</a>		M	US F.SP-36	3.4.1.020	Piping, piping components	Stainless steel	Raw water	Loss of material due to pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	PWR			US F-22SP-36)	
Yes	No	No	No	US	F	SP-38	<a href="#">16.1.306</a>		M	US F.SP-38	3.4.1.024	Piping, piping components	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2A, "Closed Treated Water Systems"	No	PWR			US F-20SP-38)	
No	No	No	No	US	F	SP-41	<a href="#">16.1.306</a>		M	US F.SP-41	3.4.1.024	Heat exchanger tubes	Stainless steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP XIM2A, "Closed Treated Water Systems"	No	PWR			US F-21SP-41)	
Yes	No	No	No	US	F	SP-54	<a href="#">16.1.306</a>		M	US F.SP-54	3.4.1.023	Piping, piping components	Stainless steel	Closed-cycle cooling water >60°C (≥140°F)	Cracking due to SCC	AMP XIM2A, "Closed Treated Water Systems"	No	PWR			US F-21SP-54)	
Yes	No	No	No	US	F	SP-55	<a href="#">16.1.306</a>		M	US F.SP-55	3.4.1.033	Piping, piping components	Copper alloy (≥10% Zn or ≥6% Al)	Treated water	Loss of material due to selective leaching	AMP XIM3, "Selective Leaching"	No	PWR			US F-18SP-55)	
Yes	No	Yes	No	US	F	SP-56	<a href="#">16.1.306</a>		D	US F.SP-56												
No	No	No	No	US	F	SP-64	<a href="#">16.1.306</a>		D	US F.SP-64	3.4.1.028	Heat exchanger tubes	Steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP XIM2A, "Closed Treated Water Systems"	No	PWR			US F-115SP-64)	
No	No	No	No	US	F	SP-74	<a href="#">16.1.306</a>		D	US F.SP-74	3.4.1.014	Piping, piping components	Steel	Treated water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM2, "Water Chemistry," and AMP XIM2, "One-Time Inspection"	No	PWR	5-10		US F-205-10)	
Yes	No	Yes	No	US	F	SP-78	<a href="#">16.1.306</a>		D	US F.SP-78												
Yes	No	Yes	No	US	F	SP-8	<a href="#">16.1.306</a>		M	US F.SP-8	3.4.1.027	Piping, piping components	Copper alloy	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2A, "Closed Treated Water Systems"	No	PWR			US F-130SP-8)	
Yes	No	Yes	No	US	F	SP-80	<a href="#">16.1.306</a>		M	US F.SP-80	3.4.1.085	PWR heat exchanger components	Stainless steel, mild alloy	Treated water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Water Chemistry," and AMP XIM2, "One-Time Inspection"	No	PWR	5-22		US F-275SP-22)	
No	No	No	No	US	F	SP-85	<a href="#">16.1.306</a>		M	US F.SP-85	3.4.1.011	Heat exchanger components	Stainless steel	Treated water >60°C (≥140°F)	Cracking due to SCC	AMP XIM2, "Water Chemistry," and AMP XIM2, "One-Time Inspection"	No	PWR	5-39		US F-305-39)	
No	No	No	No	US	F	SP-87	<a href="#">16.1.306</a>		M	US F.SP-87	3.4.1.085	Piping, piping components	Stainless steel	Treated water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Water Chemistry," and AMP XIM2, "One-Time Inspection"	No	PWR	SP-16		US F-23SP-16)	
Yes	No	No	No	US	F	SP-88	<a href="#">16.1.306</a>		M	US F.SP-88	3.4.1.011	Piping, piping components	Stainless steel	Treated water >60°C (≥140°F)	Cracking due to SCC	AMP XIM2, "Water Chemistry," and AMP XIM2, "One-Time Inspection"	No	PWR	SP-17		US F-24SP-17)	
No	No	No	No	US	F	SP-90	<a href="#">16.1.306</a>		M	US F.SP-90	3.4.1.018	Piping, piping components	Aluminum	Treated water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2, "Water Chemistry," and AMP XIM2, "One-Time Inspection"	No	PWR	SP-24		US F-12SP-24)	
No	No	No	No	US	F	SP-96	<a href="#">16.1.306</a>		M	US F.SP-96	3.4.1.018	Heat exchanger tubes	Aluminum	Treated water	Reduction of heat transfer due to fouling	AMP XIM2, "Water Chemistry," and AMP XIM2, "One-Time Inspection"	No	PWR	SP-40		US F-10SP-40)	
Yes	No	No	No	US	G	5-11	<a href="#">16.1.306</a>		M	US G-11	3.4.1.005	Piping, piping components	Steel	Any	Corrosive fatigue damage due to vibration	CLAS (SPRSLR Section 4.3 "Metal Fatigue"	Yes	PWR			US G-37SP-11)	
Yes	No	No	No	US	G	5-16	<a href="#">16.1.306</a>		M	US G-16	3.4.1.001	Heat exchanger components	Steel	Treated water	Heat blocking due to flow-accelerated corrosion	AMP XIM17, "Flow-Accelerated Corrosion"	No	PWR			US G-30SP-16)	
Yes	No	No	No	US	G	5-23	<a href="#">16.1.306</a>		M	US G-23	3.4.1.026	Heat exchanger components	Steel	Closed-cycle cooling water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM2A, "Closed Treated Water Systems"	No	PWR			US G-505-23)	
Yes	No	No	No	US	G	5-25	<a href="#">16.1.306</a>		M	US G-25	3.4.1.026	Heat exchanger components	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XIM2A, "Closed Treated Water Systems"	No	PWR			US G-205-25)	
No	No	No	No	US	G	5-27	<a href="#">16.1.306</a>		M	US G-27	3.4.1.022	Heat exchanger tubes	Steel	Raw water	Reduction of heat transfer due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	PWR			US G-180SP-27)	
No	No	No	No	US	G	5-28	<a href="#">16.1.306</a>		M	US G-28	3.4.1.022	Heat exchanger tubes	Stainless steel	Raw water	Reduction of heat transfer due to fouling	AMP XIM2, "Open-Cycle Cooling Water System"	No	PWR			US G-130-28)	
Yes	No	Yes	No	US	G	5-31	<a href="#">16.1.306</a>		D	US G-31												
Yes	No	No	No	US	G	5-400a	<a href="#">16.1.306</a>		LR-ISO-2012-02	M	US G-400a	3.4.1.061	Piping, piping components	Metallic	Raw water, waste water	Loss of material due to recurring internal corrosion	AMP XIM2, "Open-Cycle Cooling Water System"	Yes	PWR			
Yes	No	No	No	US	G	5-400b	<a href="#">16.1.306</a>		LR-ISO-2012-02	M	US G-400b	3.4.1.061	Piping, piping components	Metallic	Raw water, waste water	Loss of material due to recurring internal corrosion	AMP XIM2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR			
Yes	No	No	No	US	G	5-401	<a href="#">16.1.306</a>		LR-ISO-2013-01	M	US G-401	3.4.1.068	Piping, piping components	Any material with internal coating/linings	Closed-cycle cooling water, raw water, treated water, lubricating oil	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, rusting, physical damage; loss of material or cracking for centrifugous coating/linings	AMP XIM2, "Internal Coatings/Linings for In-Scope Piping, Pump Components, Heat Exchangers, and Tanks"	No	PWR			
Yes	No	Yes	No	US	G	5-402	<a href="#">16.1.306</a>		LR-ISO-2012-02	D	US G-402											
Yes	No	No	No	US	G	5-405	<a href="#">16.1.306</a>		LR-ISO-2012-02	M	US G-405	3.4.1.062	Tanks within the scope of AMP XIM2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel, stainless steel, aluminum	Treated water	Loss of material due to general (pitting, crevice) corrosion, MIC, stress, stainless steel only	AMP XIM2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	PWR			
Yes	No	No	No	US	G	5-406	<a href="#">16.1.306</a>		LR-ISO-2013-01	M	US G-406	3.4.1.060	Piping, piping components	Metallic	Treated water	Heat blocking due to erosion	AMP XIM17, "Flow-Accelerated Corrosion"	No	PWR			
Yes	No	Yes	No	US	G	5-414	<a href="#">16.1.306</a>		LR-ISO-2013-01	M	US G-414	3.4.1.067	Heat exchanger components, heat exchangers, tanks with internal coating/linings	Any material with internal coating/linings	Closed-cycle cooling water, raw water, treated water, lubricating oil	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XIM2					



Yes	Yes	No	No	MR	D	5-4462	<a href="#">1.6.1.308</a>	N	MR.GS-4462	3.4.1.088	Tanks within the scope of AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel, metal alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M242, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR				
Yes	Yes	No	No	MR	G	5-447	<a href="#">1.6.1.309</a>	N	MR.GS-447	3.4.1.089	Tanks within the scope of AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Soil, concrete	Loss of material due to pitting, crevice corrosion, MC (pool only)	AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	PWR				
Yes	Yes	No	No	MR	G	5-4484	<a href="#">1.6.1.310</a>	N	MR.GS-4484	3.4.1.100	Tanks within the scope of AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR				
Yes	Yes	No	No	MR	G	5-4485	<a href="#">1.6.1.311</a>	N	MR.GS-4485	3.4.1.100	Tanks within the scope of AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M25, "One-Time Inspection"	Yes	PWR				
Yes	Yes	No	No	MR	D	5-4486	<a href="#">1.6.1.312</a>	N	MR.GS-4486	3.4.1.100	Tanks within the scope of AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M242, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR				
Yes	Yes	No	No	MR	D	5-449	<a href="#">1.6.1.313</a>	N	MR.GS-449	3.4.1.101	Tanks within the scope of AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Stainless steel	Soil, concrete	Cracking due to SCC	AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	PWR				
Yes	Yes	No	No	MR	G	5-4504	<a href="#">1.6.1.314</a>	N	MR.GS-4504	3.4.1.102	Tanks within the scope of AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR				
Yes	Yes	No	No	MR	G	5-4505	<a href="#">1.6.1.315</a>	N	MR.GS-4505	3.4.1.102	Tanks within the scope of AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, soil, concrete, raw water, waste water	Cracking due to SCC	AMP X.M25, "One-Time Inspection"	Yes	PWR				
Yes	Yes	No	No	MR	D	5-4506	<a href="#">1.6.1.316</a>	N	MR.GS-4506	3.4.1.102	Tanks within the scope of AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Aluminum	Air, condensation, soil, concrete, raw water, waste water	Cracking due to SCC	AMP X.M242, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR				
Yes	Yes	Yes	No	MR	G	5-4574	<a href="#">1.6.1.317</a>	D	MR.GS-4574	3.4.1.103	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M25, "One-Time Inspection"	Yes	PWR				
Yes	Yes	No	No	MR	G	5-4575	<a href="#">1.6.1.318</a>	N	MR.GS-4575	3.4.1.103	Piping, piping components	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M242, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR				
Yes	Yes	No	No	MR	G	5-4576	<a href="#">1.6.1.319</a>	N	MR.GS-4576	3.4.1.103	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP X.M242, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR				
Yes	Yes	Yes	No	MR	D	5-4588	<a href="#">1.6.1.320</a>	D	MR.GS-4588												
Yes	Yes	Yes	No	MR	D	5-4589	<a href="#">1.6.1.321</a>	D	MR.GS-4589												
Yes	Yes	Yes	No	MR	D	5-4590	<a href="#">1.6.1.322</a>	D	MR.GS-4590												
Yes	Yes	Yes	No	MR	D	5-4591	<a href="#">1.6.1.323</a>	D	MR.GS-4591												
Yes	Yes	Yes	No	MR	D	5-4592	<a href="#">1.6.1.324</a>	D	MR.GS-4592												
Yes	Yes	No	No	MR	D	5-462	<a href="#">1.6.1.325</a>	N	MR.GS-462	3.4.1.114	Heat exchanger tubes	Titanium	Treated water	Reduction of heat transfer due to fouling	AMP X.M242, "Water Chemistry," and AMP X.M25, "One-Time Inspection"	No	PWR				Hot/cold complex fit
Yes	Yes	No	No	MR	D	5-484	<a href="#">1.6.1.326</a>	N	MR.GS-484	3.4.1.116	Heat exchanger tubes	Titanium	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M214, "Closed Treated Water Systems"	No	PWR				Hot/cold complex fit
Yes	Yes	Yes	No	MR	D	5-486	<a href="#">1.6.1.327</a>	D	MR.GS-486												
Yes	Yes	Yes	No	MR	D	5-487	<a href="#">1.6.1.328</a>	D	MR.GS-487												
Yes	Yes	No	No	MR	D	5-472	<a href="#">1.6.1.329</a>	N	MR.GS-472	3.4.1.123	Piping, piping components, tanks	Aluminum	Air	Loss of material due to wear	AMP X.M25, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR				
Yes	Yes	No	No	MR	G	5-4784	<a href="#">1.6.1.330</a>	N	MR.GS-4784	3.4.1.130	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP X.M25, "Open-Cycle Cooling Water System"	No	BWR/PWR				
Yes	Yes	No	No	MR	D	5-4785	<a href="#">1.6.1.331</a>	N	MR.GS-4785	3.4.1.130	Heat exchanger components other than tubes	Titanium	Raw water	Loss of material due to pitting, crevice corrosion, flow blockage due to fouling	AMP X.M25, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	BWR/PWR				
Yes	Yes	No	No	MR	D	5-481	<a href="#">1.6.1.332</a>	N	MR.GS-481	3.4.1.133	Piping, piping components	Aluminum	Raw water	Flow blockage due to fouling	AMP X.M242, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR				
No	No	No	No	MR	G	SP-100	<a href="#">1.6.1.333</a>	M	MR.SP-100	3.4.1.018	Heat exchanger tubes	Copper alloy	Treated water	Reduction of heat transfer due to fouling	AMP X.M25, "Water Chemistry," and AMP X.M25, "One-Time Inspection"	No	PWR				MR.G-100(SP-68)
No	No	No	No	MR	G	SP-102	<a href="#">1.6.1.334</a>	M	MR.SP-102	3.4.1.046	Heat exchanger tubes	Stainless steel	Lubricating oil	Reduction of heat transfer due to fouling	AMP X.M25, "Subcooking Oil Analysis," and AMP X.M25, "One-Time Inspection"	No	PWR				MR.G-102(SP-68)
No	No	No	No	MR	G	SP-103	<a href="#">1.6.1.335</a>	M	MR.SP-103	3.4.1.046	Heat exchanger tubes	Stainless steel	Lubricating oil	Reduction of heat transfer due to fouling	AMP X.M25, "Subcooking Oil Analysis," and AMP X.M25, "One-Time Inspection"	No	PWR				MR.G-103(SP-68)
Yes	No	No	No	MR	D	SP-113	<a href="#">1.6.1.336</a>	M	MR.SP-113	3.4.1.045	Heat exchanger tubes	Aluminum	Lubricating oil	Reduction of heat transfer due to fouling	AMP X.M25, "Subcooking Oil Analysis," and AMP X.M25, "One-Time Inspection"	No	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-114	<a href="#">1.6.1.337</a>	M	MR.SP-114	3.4.1.042	Piping, piping components	Aluminum	Lubricating oil	Loss of material due to pitting, crevice corrosion	AMP X.M25, "Subcooking Oil Analysis," and AMP X.M25, "One-Time Inspection"	No	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-116	<a href="#">1.6.1.338</a>	M	MR.SP-116	3.4.1.030	Heat exchanger tubes within the scope of AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Steel	Raw water, air, condensation	Loss of material due to general pitting, crevice corrosion, MC (pool only)	AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-117	<a href="#">1.6.1.339</a>	M	MR.SP-117	3.4.1.019	Heat exchanger components	Stainless steel	Raw water	Loss of material due to pitting, crevice corrosion, MC, flow blockage due to fouling	AMP X.M25, "Open-Cycle Cooling Water System"	No	PWR	S-26			MR.G-415-26
Yes	No	No	No	MR	D	SP-1184	<a href="#">1.6.1.340</a>	M	MR.SP-1184	3.4.1.002	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M25, "One-Time Inspection"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	G	SP-1186	<a href="#">1.6.1.341</a>	M	MR.SP-1186	3.4.1.002	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M25, "External Surfaces Monitoring of Mechanical Components"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	G	SP-1186	<a href="#">1.6.1.342</a>	M	MR.SP-1186	3.4.1.002	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M25, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	G	SP-1188	<a href="#">1.6.1.343</a>	M	MR.SP-1188	3.4.1.002	Piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP X.M242, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR				New Record in GALL 2
Yes	No	Yes	No	MR	D	SP-1274	<a href="#">1.6.1.344</a>	M	MR.SP-1274	3.4.1.003	Piping, piping components	Stainless steel, metal alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M25, "External Surfaces Monitoring of Mechanical Components"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-1275	<a href="#">1.6.1.345</a>	M	MR.SP-1275	3.4.1.003	Piping, piping components	Stainless steel, metal alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M25, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-1276	<a href="#">1.6.1.346</a>	M	MR.SP-1276	3.4.1.003	Piping, piping components, tanks	Stainless steel, metal alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M242, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-1276	<a href="#">1.6.1.347</a>	M	MR.SP-1276	3.4.1.003	Tanks	Stainless steel, metal alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-136	<a href="#">1.6.1.348</a>	M	MR.SP-136	3.4.1.035	Piping, piping components	Steel	Raw water	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling	AMP X.M25, "Open-Cycle Cooling Water System"	No	PWR	S-12			MR.G-36(S-12)
Yes	No	Yes	No	MR	G	SP-146	<a href="#">1.6.1.349</a>	M	MR.SP-146	3.4.1.019	Heat exchanger components	Steel	Raw water	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling	AMP X.M25, "Open-Cycle Cooling Water System"	No	PWR	S-24			MR.G-415-24
Yes	No	No	No	MR	D	SP-1474	<a href="#">1.6.1.350</a>	M	MR.SP-1474	3.4.1.035	Piping, piping components	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M25, "External Surfaces Monitoring of Mechanical Components"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-1475	<a href="#">1.6.1.351</a>	M	MR.SP-1475	3.4.1.035	Piping, piping components	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M25, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-1478	<a href="#">1.6.1.352</a>	M	MR.SP-1478	3.4.1.035	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M242, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-1478	<a href="#">1.6.1.353</a>	M	MR.SP-1478	3.4.1.035	Piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M25, "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-162	<a href="#">1.6.1.354</a>	M	MR.SP-162	3.4.1.083	Tanks	Stainless steel, metal alloy	Treated water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M25, "Water Chemistry," and AMP X.M25, "One-Time Inspection"	No	PWR				New Record in GALL 2
Yes	No	No	No	MR	D	SP-26	<a href="#">1.6.1.355</a>	M	MR.SP-26	3.4.1.032	Piping, piping components	Gray cast iron, ductile iron	Soil	Loss of material due to selective leaching	AMP X.M25, "Selective Leaching"	No	PWR				MR.G-26(SP-26)
Yes	No	No	No	MR	D	SP-27	<a href="#">1.6.1.356</a>	M	MR.SP-27	3.4.1.033	Piping, piping components	Gray cast iron, ductile iron	Treated water	Loss of material due to selective leaching	AMP X.M25, "Selective Leaching"	No	PWR				MR.G-26(SP-27)
Yes	No	No	No	MR	D	SP-28	<a href="#">1.6.1.357</a>	M	MR.SP-28	3.4.1.033	Piping, piping components	Gray cast iron, ductile iron	Raw water	Loss of material due to selective leaching	AMP X.M25, "Selective Leaching"	No	PWR				MR.G-26(SP-28)
Yes	No	No	No	MR	D	SP-29	<a href="#">1.6.1.358</a>	M	MR.SP-29	3.4.1.033	Piping, piping components	Copper alloy (≥15% Zn or ≥6% Al)	Closed-cycle cooling water	Loss of material due to selective leaching	AMP X.M25, "Selective Leaching"	No	PWR				MR.G-26(SP-29)
Yes	No	No	No	MR	D	SP-30	<a href="#">1.6.1.359</a>	M	MR.SP-30	3.4.1.033	Piping, piping components	Copper alloy (≥15% Zn or ≥6% Al)	Raw water	Loss of material due to selective leaching	AMP X.M25, "Selective Leaching"	No	PWR				MR.G-26(SP-30)
Yes	No	No	No	MR	D	SP-31	<a href="#">1.6.1.360</a>	M	MR.SP-31	3.4.1.020	Piping, piping components	Copper alloy	Raw water	Loss of material due to general pitting, crevice corrosion, MC, flow blockage due to fouling	AMP X.M25, "Open-Cycle Cooling Water System"	No	PWR				MR.G-26(SP-31)
Yes	No	No	No	MR	D	SP-38	<a href="#">1.6.1.361</a>	M	MR.SP-38	3.4.1.020	Piping, piping components	Stainless steel	Raw water	Loss of material due to pitting, crevice corrosion, MC, flow blockage due to fouling	AMP X.M25, "Open-Cycle Cooling Water System"	No	PWR				MR.G-30(SP-38)
Yes	No	No	No	MR	D	SP-39	<a href="#">1.6.1.362</a>	M	MR.SP-39	3.4.1.026	Piping, piping components	Stainless steel	Closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MC	AMP X.M214, "Closed Treated Water Systems"	No	PWR				MR.G-27(SP-38)
No	No	No	No	MR	D	SP-41	<a href="#">1.6.1.363</a>	M	MR.SP-41	3.4.1.028	Heat exchanger tubes	Stainless steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M214, "Closed Treated Water Systems"	No	PWR				MR.G-116(SP-41)
Yes	No	No	No	MR	D	SP-54	<a href="#">1.6.1.364</a>	M	MR.SP-54	3.4.1.023	Piping, piping components	Stainless steel	Closed-cycle cooling water	Cracking due to SCC (≥140°F)	AMP X.M214, "Closed Treated Water Systems"	No	PWR				MR.G-28(SP-54)
Yes	No	No	No	MR	D	SP-58	<a href="#">1.6.1.365</a>	M	MR.SP-58	3.4.1.033	Piping, piping components	Copper alloy (≥15% Zn or ≥6% Al)	Treated water	Loss of material due to selective leaching	AMP X.M25, "Selective Leaching"	No	PWR				MR.G-23(SP-58)
No	No	No	No	MR	D	SP-58	<a href="#">1.6.1.366</a>	M	MR.SP-58	3.4.1.022	Heat exchanger tubes	Copper alloy	Raw water	Reduction of heat transfer due to fouling	AMP X.M25, "Open-Cycle Cooling Water System"	No	PWR				MR.G-59(SP-58)
Yes	Yes	No	No	MR	D	SP-59	<a href="#">1.6.1.367</a>	N	MR.SP-59	3.4.1.036	Piping, piping components	Steel	Air – outdoor	Loss of material due to general pitting, crevice corrosion	AMP X.M25, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR				
Yes	No	No	No	MR	D	SP-60	<a href="#">1.6.1.368</a>	M	MR.SP-60	3.4.1.037	Piping, piping components	Steel	Condensation	Loss of material due to general pitting, crevice corrosion	AMP X.M25, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	PWR				MR.G-34(SP-60)
No	No	No	No	MR	D	SP-64	<a href="#">1.6.1.369</a>	M	MR.SP-64	3.4.1.028	Heat exchanger tubes	Steel	Closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M214, "Closed Treated Water Systems"	No	PWR				MR.G-143(SP-64)
Yes	No	No	No	MR	D	SP-74	<a href="#">1.6.1.370</a>	M	MR.SP-74	3.4.1.014	Piping, piping components	Steel	Treated water	Loss of material due to general pitting, crevice corrosion, MC	AMP X.M242, "Water Chemistry," and AMP X.M25, "One-Time Inspection"	No	PWR				MR.G-38(S-10)
Yes	No	No	No	MR	D	SP-75	<a href="#">1.6.1.371</a>	M	MR.SP-75	3.4.1.012	Tanks	Steel	Treated water	Loss of material due to general pitting, crevice corrosion, MC	AMP X.M242, "Water Chemistry," and AMP X.M25, "One-Time Inspection"	No	PWR	S-13			MR.G-415-13
No	No	No	No	MR	D	SP-76	<a href="#">1.6.1.372</a>	M	MR.SP-76	3.4.1.041	Heat exchanger components	Steel	Lubricating oil	Loss of material due to general pitting, crevice corrosion, MC	AMP X.M25, "Subcooking Oil Analysis," and AMP X.M25, "One-Time Inspection"	No	P				



Yes	No	No	No	VB	H	0-4020	<a href="#">16.1.364</a>	LR-ISO-2012-02	M	VB.H.S-4020	3.4.1.063	Insulated tanks (within the scope of AMP H.MDS "Outdoor and Large Atmospheric Metallic Storage Tanks")	Steel	Air, condensation	Loss of material due to general pitting, crevice corrosion	AMP H.MDS "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	BWR/PWR				
Yes	No	No	No	VB	H	0-400	<a href="#">16.1.365</a>	LR-ISO-2012-02	N	VB.H.S-403	3.4.1.064	Non-metallic thermal insulation	Any	Air, condensation	Reduced thermal insulation resistance due to moisture intrusion	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR				
Yes	No	Yes	No	VB	H	0-41	<a href="#">16.1.366</a>		D	VB.H.S-41												
Yes	No	Yes	No	VB	H	0-418	<a href="#">16.1.367</a>		D	VB.H.S-418												
Yes	No	Yes	No	VB	H	0-417	<a href="#">16.1.368</a>		D	VB.H.S-417												
Yes	Yes	No	No	VB	H	0-418	<a href="#">16.1.369</a>		N	VB.H.S-418	3.4.1.070	Closure bolting	Stainless steel, steel, nickel alloy, copper alloy	Lubricating oil, heated water, heated boiler water, low water, waste water	Loss of material due to general pitting, crevice corrosion, MIC (see note, waste water environments only)	AMP H.MDS "Bolting Integrity"	No	BWR/PWR				
Yes	Yes	Yes	No	VB	H	0-419	<a href="#">16.1.370</a>		D	VB.H.S-419												
Yes	No	Yes	No	VB	H	0-42	<a href="#">16.1.371</a>		D	VB.H.S-42												
Yes	Yes	No	No	VB	H	0-420	<a href="#">16.1.372</a>		N	VB.H.S-420	3.4.1.072	Piping, piping components, tanks	Stainless steel, steel, aluminum	Soil, concrete	Cracking due to SCC (steel in carbonated/concrete environment only)	AMP H.MDS "Buried and Underground Piping and Tanks"	No	BWR/PWR				
Yes	Yes	No	No	VB	H	0-421	<a href="#">16.1.373</a>		N	VB.H.S-421	3.4.1.073	Closure bolting	Stainless steel	Air, soil, concrete, underground, raw water, waste water	Cracking due to SCC	AMP H.MDS "Bolting Integrity"	No	BWR/PWR				
Yes	Yes	No	No	VB	H	0-425a	<a href="#">16.1.374</a>		N	VB.H.S-425a	3.4.1.074	Piping, piping components, tanks	Stainless steel	Underground	Cracking due to SCC	AMP H.MDS "One-Time Inspection"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-425b	<a href="#">16.1.375</a>		N	VB.H.S-425b	3.4.1.074	Piping, piping components, tanks	Stainless steel	Underground	Cracking due to SCC	AMP H.MDS "Buried and Underground Piping and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-425c	<a href="#">16.1.376</a>		N	VB.H.S-425c	3.4.1.074	Piping, piping components, tanks	Stainless steel	Underground	Cracking due to SCC	AMP H.MDS "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-426	<a href="#">16.1.377</a>		N	VB.H.S-426	3.4.1.075	Heat exchanger tubes	Stainless steel, steel, aluminum, copper alloy, titanium	Air, condensation	Reduction of heat transfer due to fouling	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR				
Yes	Yes	No	No	VB	H	0-428	<a href="#">16.1.378</a>		N	VB.H.S-428	3.4.1.077	Piping, piping components, tanks	Elastomer	Air, condensation	Hardening or loss of strength due to chlorine degradation	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR				
Yes	Yes	Yes	No	VB	H	0-430	<a href="#">16.1.379</a>		D	VB.H.S-430												
Yes	Yes	No	No	VB	H	0-442a	<a href="#">16.1.380</a>		N	VB.H.S-442a	3.4.1.084	Piping, piping components, tanks	Aluminum	Underground	Loss of material due to pitting, crevice corrosion	AMP H.MDS "One-Time Inspection"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-442b	<a href="#">16.1.381</a>		N	VB.H.S-442b	3.4.1.084	Piping, piping components, tanks	Aluminum	Underground	Loss of material due to pitting, crevice corrosion	AMP H.MDS "Buried and Underground Piping and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-442c	<a href="#">16.1.382</a>		N	VB.H.S-442c	3.4.1.084	Piping, piping components, tanks	Aluminum	Underground	Loss of material due to pitting, crevice corrosion	AMP H.MDS "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-443a	<a href="#">16.1.383</a>		N	VB.H.S-443a	3.4.1.085	Piping, piping components, tanks	Stainless steel, nickel alloy	Underground	Loss of material due to pitting, crevice corrosion	AMP H.MDS "One-Time Inspection"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-443b	<a href="#">16.1.384</a>		N	VB.H.S-443b	3.4.1.085	Piping, piping components, tanks	Stainless steel, nickel alloy	Underground	Loss of material due to pitting, crevice corrosion	AMP H.MDS "Buried and Underground Piping and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-443c	<a href="#">16.1.385</a>		N	VB.H.S-443c	3.4.1.085	Piping, piping components, tanks	Stainless steel, nickel alloy	Underground	Loss of material due to pitting, crevice corrosion	AMP H.MDS "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-451a	<a href="#">16.1.386</a>		N	VB.H.S-451a	3.4.1.103	Insulated piping, piping components, tanks	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP H.MDS "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-451b	<a href="#">16.1.387</a>		N	VB.H.S-451b	3.4.1.103	Insulated piping, piping components, tanks	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP H.MDS "One-Time Inspection"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-451c	<a href="#">16.1.388</a>		N	VB.H.S-451c	3.4.1.103	Insulated piping, piping components, tanks	Stainless steel, nickel alloy	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-453a	<a href="#">16.1.389</a>		N	VB.H.S-453a	3.4.1.104	Insulated piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP H.MDS "Buried and Underground Piping and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-453b	<a href="#">16.1.390</a>		N	VB.H.S-453b	3.4.1.104	Insulated piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP H.MDS "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-453c	<a href="#">16.1.391</a>		N	VB.H.S-453c	3.4.1.104	Insulated piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP H.MDS "One-Time Inspection"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-453d	<a href="#">16.1.392</a>		N	VB.H.S-453d	3.4.1.104	Insulated piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-453e	<a href="#">16.1.393</a>		N	VB.H.S-453e	3.4.1.104	Insulated piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP H.MDS "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-453f	<a href="#">16.1.394</a>		N	VB.H.S-453f	3.4.1.104	Insulated piping, piping components, tanks	Stainless steel	Air, condensation	Cracking due to SCC	AMP H.MDS "Buried and Underground Piping and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-453g	<a href="#">16.1.395</a>		N	VB.H.S-453g	3.4.1.105	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Cracking due to SCC	AMP H.MDS "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-453h	<a href="#">16.1.396</a>		N	VB.H.S-453h	3.4.1.105	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Cracking due to SCC	AMP H.MDS "One-Time Inspection"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-453i	<a href="#">16.1.397</a>		N	VB.H.S-453i	3.4.1.105	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Cracking due to SCC	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-453j	<a href="#">16.1.398</a>		N	VB.H.S-453j	3.4.1.105	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Cracking due to SCC	AMP H.MDS "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-454	<a href="#">16.1.399</a>		N	VB.H.S-454	3.4.1.106	Piping, piping components	Copper alloy (c10% Zn or c10% Al)	Air, condensation	Cracking due to SCC	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR				
Yes	Yes	No	No	VB	H	0-455	<a href="#">16.1.400</a>		N	VB.H.S-455	3.4.1.107	Tanks	Copper alloy (c10% Zn or c10% Al)	Air, condensation	Cracking due to SCC	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR				
Yes	Yes	Yes	No	VB	H	0-456	<a href="#">16.1.401</a>		D	VB.H.S-456												
Yes	Yes	No	No	VB	H	0-457a	<a href="#">16.1.402</a>		N	VB.H.S-457a	3.4.1.109	Piping, piping components, tanks	Aluminum	Air, condensation, raw water, waste water	Cracking due to SCC	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-457b	<a href="#">16.1.403</a>		N	VB.H.S-457b	3.4.1.112	Piping, piping components, tanks	Aluminum	Underground	Cracking due to SCC	AMP H.MDS "One-Time Inspection"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-457c	<a href="#">16.1.404</a>		N	VB.H.S-457c	3.4.1.112	Piping, piping components, tanks	Aluminum	Underground	Cracking due to SCC	AMP H.MDS "Buried and Underground Piping and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-457d	<a href="#">16.1.405</a>		N	VB.H.S-457d	3.4.1.112	Piping, piping components, tanks	Aluminum	Underground	Cracking due to SCC	AMP H.MDS "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-458	<a href="#">16.1.406</a>		N	VB.H.S-458	3.4.1.117	Piping, piping components, tanks	Aluminum	Soil, concrete	Loss of material due to pitting, crevice corrosion	AMP H.MDS "Buried and Underground Piping and Tanks"	No	BWR/PWR				
Yes	Yes	No	No	VB	H	0-458a	<a href="#">16.1.407</a>		N	VB.H.S-458a	3.4.1.119	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP H.MDS "Outdoor and Large Atmospheric Metallic Storage Tanks"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-458b	<a href="#">16.1.408</a>		N	VB.H.S-458b	3.4.1.119	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP H.MDS "One-Time Inspection"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-458c	<a href="#">16.1.409</a>		N	VB.H.S-458c	3.4.1.119	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	Yes	BWR/PWR				
Yes	Yes	No	No	VB	H	0-458d	<a href="#">16.1.410</a>		N	VB.H.S-458d	3.4.1.119	Insulated piping, piping components, tanks	Aluminum	Air, condensation	Loss of material due to pitting, crevice corrosion	AMP H.MDS "Internal Coatings/Livings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	BWR/PWR				
Yes	Yes	Yes	No	VB	H	0-470	<a href="#">16.1.411</a>		D	VB.H.S-470												
Yes	Yes	No	No	VB	H	0-471	<a href="#">16.1.412</a>		N	VB.H.S-471	3.4.1.122	Piping, piping components, tanks	Elastomer	Air	Loss of material due to wear	AMP H.MDS "External Surfaces Monitoring of Mechanical Components"	No	BWR/PWR				
Yes	Yes	No	No	VB	H	0-474	<a href="#">16.1.413</a>		N	VB.H.S-474	3.4.1.125	Piping, piping components, tanks	PVC	Soil	Loss of material due to wear	AMP H.MDS "Buried and Underground Piping and Tanks"	No	BWR/PWR				
Yes	Yes	No	No	VB	H	0-477	<a href="#">16.1.414</a>		N	VB.H.S-477	3.4.1.129	Piping, piping components	Copper alloy	Soil, underground	Loss of material due to general pitting, crevice corrosion, MIC (see note)	AMP H.MDS "Buried and Underground Piping and Tanks"	No	BWR/PWR				
Yes	Yes	No	No	VB	H	0-479	<a href="#">16.1.415</a>		N	VB.H.S-479	3.4.1.131	Piping, piping components	Copper alloy (c10% Zn)	Air with bonded water leakage	Loss of material due to general pitting, crevice corrosion, MIC (see note)	AMP H.MDS "Boric Acid Corrosion"	No	PWR				
Yes	No	No	No	VB	H	0-SP-141	<a href="#">16.1.416</a>		N	VB.H.S-141	3.4.1.050	Closure bolting	Steel	Soil, underground	Loss of material due to general pitting, crevice corrosion, MIC (see note)	AMP H.MDS "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2			
Yes	No	No	No	VB	H	0-SP-142	<a href="#">16.1.417</a>		M	VB.H.S-142	3.4.1.008	Closure bolting	Metals	Any soil, underground	Loss of material due to thermal effects, oxidation, embrittlement	AMP H.MDS "Bolting Integrity"	No	BWR/PWR	New Record in GALL 2			
Yes	No	No	No	VB	H	0-SP-143	<a href="#">16.1.418</a>	LR-ISO-2011-03	M	VB.H.S-143	3.4.1.048	Piping, piping components, tanks, closure bolting	Nickel alloy	Soil, concrete	Loss of material due to pitting, crevice corrosion, MIC (see note)	AMP H.MDS "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2			
Yes	No	Yes	No	VB	H	0-SP-144	<a href="#">16.1.419</a>		D	VB.H.S-144												
Yes	No	No	No	VB	H	0-SP-145	<a href="#">16.1.420</a>		M	VB.H.S-145	3.4.1.047	Piping, piping components, tanks	Stainless steel	Soil, concrete	Loss of material due to pitting, crevice corrosion, MIC (see note)	AMP H.MDS "Buried and Underground Piping and Tanks"	No	BWR/PWR	5-01		VB-5-01-1	
Yes	No	Yes	No	VB	H	0-SP-149	<a href="#">16.1.421</a>		D	VB.H.S-149												
Yes	No	Yes	No	VB	H	0-SP-150	<a href="#">16.1.422</a>		D	VB.H.S-150												
Yes	No	Yes	No	VB	H	0-SP-151	<a href="#">16.1.423</a>		D	VB.H.S-151												
Yes	No	No	No	VB	H	0-SP-151	<a href="#">16.1.424</a>	LR-ISO-2011-03	M	VB.H.S-151	3.4.1.050	Piping, piping components, tanks	Steel	Soil, concrete, underground	Loss of material due to general pitting, crevice corrosion, MIC (see note)	AMP H.MDS "Buried and Underground Piping and Tanks"	No	BWR/PWR	New Record in GALL 2			
Yes	No	Yes	No	VB	H	0-SP-82	<a href="#">16.1.425</a>		D	VB.H.S-82												
Yes	No	Yes	No	VB	H	0-SP-83	<a href="#">16.1.426</a>		D	VB.H.S-83												
Yes	No	Yes	No	VB	H	0-SP-84	<a href="#">16.1.427</a>		D	VB.H.S-84												
Yes	No	Yes	No	VB	H	0-SP-84	<a href="#">16.1.428</a>		D	VB.H.S-84												
Yes	No	Yes	No	VB	H	0-SP-84	<a href="#">16.1.429</a>		D	VB.H.S-84												
Yes	No	Yes	No	VB	H	0-SP-84	<a href="#">16.1.430</a>		D	VB.H.S-84												
Yes	No	Yes	No	VB	H	0-SP-84	<a href="#">16.1.431</a>		D	VB.H.S-84												
Yes	No	Yes	No	VB	H	0-SP-84	<a href="#">16.1.432</a>		D	VB.H.S-84												
Yes	No	Yes	No	VB	H	0-SP-84																



[illegible]



Change Proposed?	New Item?	Deleted Item?	Rate Change Only?	Title	Identifier	ISO	New, Modified, Deleted, Edited?	Type	Component	Aging Effect/Mechanism	Aging Management Program (AMP)/FLAA	Further Evaluation Recommended	QML/SLR Item	Revision 1 SRP Identifier	Revision 2 Item	Revision 3 Item	Comments
Yes	No	No	No	3.1.1.001	3.1.1.001	M-001	SWR/PWR	SWR	Steel reactor vessel closure flange assembly to reactor coolant pressure boundary components exposed to reactor coolant.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	1	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.002	3.1.1.002	M-002	PWR	PWR	Nickel alloy tubes and nozzles exposed to reactor coolant pressure boundary components, piping components.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	2	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.003	LR-ISO-2011-04	M-003	SWR/PWR	SWR	Stainless steel reactor vessel internal components exposed to reactor coolant, neutron flux.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	3	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.004	3.1.1.004	M-004	SWR/PWR	SWR	Steel pressure vessel support shell and attachment nozzles.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	4	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.005	3.1.1.005	M-005	PWR	PWR	Steel, stainless steel, steel (with stainless steel or nickel alloy cladding) steam generator components, pressure vessel tank components, piping components.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	5	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.006	3.1.1.006	M-006	SWR	SWR	Stainless steel, steel (with or without nickel alloy or stainless steel cladding), nickel alloy reactor coolant pressure boundary components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	6	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.007	3.1.1.007	M-007	SWR	SWR	Stainless steel, steel (with or without nickel alloy or stainless steel cladding), nickel alloy reactor vessel internal components exposed to reactor coolant, neutron flux.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	7	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.008	3.1.1.008	M-008	PWR	PWR	Stainless steel, steel (with or without nickel alloy or stainless steel cladding), nickel alloy steam generator components exposed to reactor coolant.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	8	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.009	3.1.1.009	M-009	PWR	PWR	Stainless steel, steel (with or without nickel alloy or stainless steel cladding), nickel alloy reactor vessel internal components exposed to reactor coolant, neutron flux.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	9	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.010	3.1.1.010	M-010	PWR	PWR	Steel (with or without nickel alloy or stainless steel cladding), stainless steel, nickel alloy reactor vessel internal components, pressure retaining components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	10	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.011	3.1.1.011	M-011	SWR/PWR	SWR	Stainless steel, steel (with or without nickel alloy or stainless steel cladding), nickel alloy reactor vessel internal components exposed to reactor coolant, neutron flux.	Cumulative fatigue damage; cracking due to fatigue, cyclic loading.	TLAA, SRP-SLR Section 4.3 "Metal Fatigue"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	11	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.012	3.1.1.012	E-012	PWR	PWR	Steel steam generator components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Loss of material due to general, preferential, and stress corrosion.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1 and 3.1.2.2.2)	NA/R-201	12	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.013	3.1.1.013	M-013	SWR	SWR	Stainless steel, steel (with or without nickel alloy or stainless steel cladding), nickel alloy reactor vessel internal components exposed to reactor coolant, neutron flux.	Loss of material due to general, preferential, and stress corrosion.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1 and 3.1.2.2.2)	NA/R-201	13	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.014	3.1.1.014	M-014	SWR/PWR	SWR	Steel (with or without cladding) reactor vessel bellmouth shell, nozzle, and weld components exposed to reactor coolant and neutron flux.	Loss of material due to general, preferential, and stress corrosion.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1 and 3.1.2.2.2)	NA/R-201	14	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.015	LR-ISO-2011-04	M-015	PWR	PWR	Stainless steel, steel (with or without nickel alloy or stainless steel cladding), nickel alloy reactor vessel internal components exposed to reactor coolant, neutron flux.	Loss of material due to general, preferential, and stress corrosion.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1 and 3.1.2.2.2)	NA/R-201	15	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.016	3.1.1.016	M-016	SWR	SWR	Stainless steel, steel (with or without nickel alloy or stainless steel cladding), nickel alloy reactor vessel internal components exposed to reactor coolant, neutron flux.	Loss of material due to general, preferential, and stress corrosion.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1 and 3.1.2.2.2)	NA/R-201	16	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.017	3.1.1.017	E-017	SWR	SWR	Stainless steel reactor vessel components exposed to reactor coolant.	Cracking due to SCC, IGSCC.	AMP-XM2, "One-Time Inspection"; and AMP-XM3, "External Surface Monitoring of Mechanical Components"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	17	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.018	3.1.1.018	E-018	PWR	PWR	Reactor vessel shell fabricated of SA508-C2 forgings clad with stainless steel using a high heat input welding process exposed to reactor coolant.	Crack growth due to cyclic loading.	TLAA, SRP-SLR Section 4.7 "Other Plant-Specific TLAA"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	18	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.019	3.1.1.019	M-019	PWR	PWR	Stainless steel reactor vessel bellmouth internal components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	19	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.020	3.1.1.020	E-020	PWR	PWR	Carbon steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	20	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.021	3.1.1.021	E-021	SWR	SWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	21	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.022	3.1.1.022	E-022	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	22	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.023	3.1.1.023	E-023	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	23	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.024	3.1.1.024	E-024	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	24	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.025	3.1.1.025	E-025	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	25	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.026	3.1.1.026	E-026	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	26	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.027	3.1.1.027	E-027	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	27	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.028	3.1.1.028	E-028	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	28	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.029	3.1.1.029	E-029	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	29	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.030	3.1.1.030	E-030	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	30	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.031	3.1.1.031	M-031	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	31	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.032	3.1.1.032	M-032	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	32	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.033	3.1.1.033	E-033	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	33	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.034	3.1.1.034	E-034	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	34	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.035	3.1.1.035	E-035	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	35	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.036	3.1.1.036	M-036	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	36	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.037	3.1.1.037	E-037	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	37	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.038	3.1.1.038	M-038	SWR/PWR	SWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	38	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.039	3.1.1.039	M-039	SWR/PWR	SWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	39	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.040	3.1.1.040	M-040	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	40	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.041	3.1.1.041	M-041	SWR	SWR	Nickel alloy reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	41	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.042	3.1.1.042	E-042	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	42	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.043	3.1.1.043	E-043	SWR	SWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	43	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.044	3.1.1.044	M-044	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	44	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.045	3.1.1.045	M-045	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	45	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.046	3.1.1.046	M-046	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	46	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.047	3.1.1.047	E-047	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	47	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.048	3.1.1.048	M-048	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	48	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.049	3.1.1.049	M-049	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	49	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.050	3.1.1.050	M-050	SWR/PWR	SWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	50	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.051	3.1.1.051	M-051	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	51	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.052	3.1.1.052	M-052	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	52	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.053	3.1.1.053	M-053	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	53	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.054	3.1.1.054	M-054	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	54	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.055	3.1.1.055	M-055	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	55	NA/R-201	NA/A-60-73	
Yes	No	No	No	3.1.1.056	3.1.1.056	M-056	PWR	PWR	Stainless steel reactor vessel components, piping, piping components, other pressure retaining components exposed to reactor coolant.	Cracking due to SCC.	AMP-XM1, "Stress Corrosion Cracking Inspection, Subsections HW, IWC, and IWO"; and AMP-XM2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.2.1)	NA/R-201	56	NA/R-201	NA/A-60-73	
Yes	No																



[illegible]



No	No	No	No	2.5.2	3.1.1.086		M	086	PWR	Stainless steel steam generator primary side divider plate associated reactor coolant	Cracking due to SCC	AMP X.M2, "Water Chemistry"	No	N/D1-RP-17	86	N/D1-RP-17	N/D1-7(RP-17)	
No	No	No	No	2.5.2	3.1.1.087		M	087	PWR	Stainless steel, nickel alloy PWR reactor internal components exposed to reactor coolant	Loss of material due to pitting, crevice corrosion	AMP X.M2, "Water Chemistry"	No	N/D2-RP-24	87	N/D2-RP-24	N/D2-32(RP-24)	
No	No	No	No	2.5.2	3.1.1.088		M	088	PWR	Stainless steel, nickel alloy PWR reactor internal components exposed to reactor coolant	Loss of material due to pitting, crevice corrosion	AMP X.M2, "Water Chemistry"	No	N/D2-RP-24	87	N/D2-RP-24	N/D2-32(RP-24)	
Yes	No	No	No	2.5.2	3.1.1.089		M	089	PWR	Steel piping, piping components exposed to closed-cycle reactor water	Loss of material due to general pitting, crevice corrosion, MIC	AMP X.M21A, "Closed-Treated Water Systems"	No	N/C2-RP-21	88	N/C2-RP-21	N/C2-15(RP-21)	
Yes	No	Yes	No	2.5.2	3.1.1.091		M	091	BWR	Steel (including high-strength steel) reactor vessel (including large activity pumps) exposed to air, including flanges, nut, studs, and washers exposed to air	Cracking due to SCC; loss of material due to general pitting, crevice corrosion	AMP X.M2, "Reactor Head Closure Bolt Busting"	No	N/A1-RP-165	91	N/A1-RP-165	N/A1-5(RP-46)	
Yes	No	No	No	2.5.2	3.1.1.092		M	092	PWR	Steel (including high-strength steel) reactor vessel (including large activity pumps) exposed to air, including flanges, nut, studs, and washers exposed to air	Cracking due to SCC; loss of material due to general pitting, crevice corrosion, wear	AMP X.M2, "Reactor Head Closure Bolt Busting"	No	N/A2-RP-62	92	N/A2-RP-62	N/A2-2(RP-71)	
Yes	No	No	No	2.5.2	3.1.1.093		M	093	PWR	Copper alloy (+15% Zn or +6% Al) piping, piping components exposed to closed-cycle cooling water	Cracking due to SCC; loss of material due to general pitting, crevice corrosion	AMP X.M23, "Selective Leaching"	No	N/C2-RP-12	93	N/C2-RP-12	N/C2-12(RP-12)	
Yes	No	No	No	2.5.2	3.1.1.094		M	094	BWR	Stainless steel and nickel alloy reactor vessel internal welds exposed to reactor coolant	Cracking due to SCC, IGSCC, cyclic loading	AMP X.M2, "BWR Vessel D. Measurement Methods," and AMP X.M2, "Water Chemistry," IGSCC mechanisms only	No	N/A1-R-54	94	N/A1-R-54	N/A1-12(RP-54)	X.M2 EP Change
Yes	No	No	No	2.5.2	3.1.1.095		M	095	BWR	Steel (with or without stainless steel cladding) feedwater nozzles exposed to reactor coolant	Cracking due to cyclic loading	AMP X.M2, "BWR Section XI Inservice Inspection, Subsections RW, WC, and MC"	No	N/A1-R-66	95	N/A1-R-66	N/A1-5(RP-45)	
Yes	No	No	No	2.5.2	3.1.1.096		M	096	BWR	Steel (with or without stainless steel cladding) control rod drive return nozzles and their nozzle-to-weld welds exposed to reactor coolant in BWRs 4, BWR-5, and BWR-6 classes	Cracking due to SCC, IGSCC, cyclic loading	AMP X.M2, "BWR Stress Corrosion Cracking," and AMP X.M2, "Water Chemistry"	No	N/A1-R-66	96	N/A1-R-66	N/A1-2(RP-46)	
Yes	No	No	No	2.5.2	3.1.1.097		M	097	BWR	Stainless steel and nickel alloy piping, piping components greater than or equal to 1/8" inside flow ends and associated welds, control rod drive return line nozzle top and associated base to nozzle weld or base to safe and weld in BWR-3, BWR-4, BWR-5, and BWR-6	Cracking due to SCC, IGSCC	AMP X.M2, "BWR Stress Corrosion Cracking," and AMP X.M2, "Water Chemistry"	No	N/A1-R-412	97	N/A1-R-412	N/A1-1(RP-48)	
Yes	No	Yes	2.5.2	3.1.1.098		E	098	BWR	Stainless steel, nickel alloy penetrations, penetrations greater than or equal to 1/8" inside flow ends and associated welds, control rod drive return line nozzle top and associated base to nozzle weld or base to safe and weld in BWR-3, BWR-4, BWR-5, and BWR-6	Cracking due to SCC, IGSCC, cyclic loading	AMP X.M2, "BWR Penetrations," and AMP X.M2, "Water Chemistry," IGSCC mechanisms only	No	N/A1-RP-369	98	N/A1-RP-369	N/A1-5(RP-46)		
No	No	No	No	2.5.2	3.1.1.099		M	099	BWR	Stainless steel (including cast austenitic stainless steel) PH materials stainless steel, martensitic stainless steel, nickel alloy (including 316/316L) reactor internal components exposed to reactor coolant and neutron flux	Loss of fracture toughness due to thermal aging, neutron radiation embrittlement	AMP X.M2, "BWR Vessel Internals"	Yes (SRP-SLR Section 3.1.2.13)	N/A1-RP-162	99	N/A1-RP-162	N/A1-1(RP-162)	
No	No	No	No	2.5.2	3.1.1.100		M	100	BWR	Stainless steel reactor vessel internal components (piping)	Loss of material due to wear	AMP X.M2, "BWR Vessel Internals"	No	N/A1-RP-200	100	N/A1-RP-200	N/A1-1(RP-162)	
Yes	No	No	No	2.5.2	3.1.1.101		M	101	BWR	Stainless steel steam dryer exposed to reactor coolant	Cracking due to flow-induced vibration, SCC, IGSCC; loss of material due to wear	AMP X.M2, "BWR Vessel Internals"	No	N/A1-RP-155	101	N/A1-RP-155	N/A1-16(RP-18)	
No	No	No	No	2.5.2	3.1.1.102		M	102	BWR	Stainless steel fuel supports and control rod drive assemblies control rod drive housing exposed to reactor coolant	Cracking due to SCC, IGSCC	AMP X.M2, "BWR Vessel Internals," and AMP X.M2, "Water Chemistry"	No	N/A1-R-104	102	N/A1-R-104	N/A1-8(RP-104)	
Yes	No	No	No	2.5.2	3.1.1.103		M	103	BWR	Stainless steel, nickel alloy reactor internal components exposed to reactor coolant and neutron flux	Cracking due to SCC, IGSCC, irradiation-assisted SCC	AMP X.M2, "BWR Vessel Internals," and AMP X.M2, "Water Chemistry"	Yes (SRP-SLR Section 3.1.2.12)	N/A1-R-142	103	N/A1-R-142	N/A1-13(RP-105)	
Yes	No	No	No	2.5.2	3.1.1.104		M	104	BWR	Nickel alloy reactor vessel internal components exposed to reactor coolant and neutron flux	Cracking due to IGSCC	AMP X.M2, "BWR Vessel Internals," and AMP X.M2, "Water Chemistry"	No	N/A1-R-105	104	N/A1-R-105	N/A1-13(RP-105)	
Yes	No	No	No	2.5.2	3.1.1.105		M	105	BWR	Steel piping, piping components exposed to concrete	None	None	No	N/A1-R-105	105	N/A1-R-105	N/A1-13(RP-105)	
Yes	No	No	No	2.5.2	3.1.1.106		M	106	BWR	Nickel alloy piping, piping components exposed to air with borated water (BWR-3)	None	None	No	N/A1-R-105	106	N/A1-R-105	N/A1-13(RP-105)	
Yes	No	No	No	2.5.2	3.1.1.107		M	107	BWR	Nickel alloy piping, piping components exposed to gas, air with borated water leakage	None	None	No	N/A1-R-105	107	N/A1-R-105	N/A1-13(RP-105)	
Yes	No	No	Yes	2.5.2	3.1.1.110	LR-ISO-2012-61	E	110	BWR	Metallic piping, piping components exposed to reactor coolant	Wall thinning due to erosion	AMP X.M7, "Flow-Accelerated Corrosion"	No	N/C1-R-408		N/A1-R-408		
Yes	No	No	Yes	2.5.2	3.1.1.111		N	111	PWR	Nickel alloy steam generator tubes exposed to secondary feedwater or steam	Reduction of heat transfer due to fouling	AMP X.M2, "Water Chemistry," and AMP X.M7, "Steam Generation"	No	N/D1-R-407		N/A1-R-407		
Yes	No	No	No	2.5.2	3.1.1.113		N	113	BWR	Steel reactor vessel attachments exposed to reactor, uncontrolled air	Loss of material due to general pitting, crevice corrosion, wear	AMP X.M2, "BWR Section XI Inservice Inspection, Subsections RW, WC, and MC," and AMP X.M2, "Water Chemistry" (water chemistry-related or corrosion-related aging effect mechanisms only)	No	N/A2-R-407		N/A2-R-407		
Yes	Yes	No	No	2.5.2	3.1.1.114		N	114	BWR/PWR	Reactor coolant system components defined as ASME Section XI Code Class components (ASME Code Class 1 reactor coolant pressure boundary components, or core support structure components, or ASME Class 2 or 3 components, including ASME defined piping/nozzle, component supports, and associated pressure boundary welds, or components subject to plant-specific equivalent classifications for these ASME code classes)	Cracking due to SCC, IGSCC (stainless steel, nickel alloy components only), cyclic loading, loss of material due to general corrosion (steel alloy only), pitting corrosion (copper alloy only)	AMP X.M2, "BWR Section XI Inservice Inspection, Subsections RW, WC, and MC," and AMP X.M2, "Water Chemistry" (water chemistry-related or corrosion-related aging effect mechanisms only)	No	N/E-R-444		N/E-R-444		
Yes	Yes	No	No	2.5.2	3.1.1.115		N	115	BWR/PWR	Stainless steel piping, piping components exposed to reactor coolant	None	None	Yes (SRP-SLR Section 3.1.2.13)	N/E-RP-08		N/E-RP-08		
Yes	Yes	No	No	2.5.2	3.1.1.116		N	116	PWR	Nickel alloy control rod drive penetration nozzles	Loss of material due to wear	Plant-specific aging management program	Yes (SRP-SLR Section 3.1.2.13)	N/A2-R-413		N/A2-R-413		
Yes	Yes	No	No	2.5.2	3.1.1.117		N	117	PWR	Stainless steel, nickel alloy control rod drive penetration nozzles (thermal stresses exposed to reactor coolant)	Loss of material due to wear	Plant-specific aging management program	Yes (SRP-SLR Section 3.1.2.13)	N/A2-R-414		N/A2-R-414		
Yes	Yes	No	No	2.5.2	3.1.1.118		N	118	PWR	Stainless steel, nickel alloy PWR reactor vessel internal components exposed to reactor coolant, neutron flux	Cracking due to SCC, irradiation-assisted SCC, cyclic loading, fatigue	Plant-specific aging management program	Yes (SRP-SLR Section 3.1.2.13)	N/A2-R-423		N/A2-R-423		
Yes	Yes	No	No	2.5.2	3.1.1.119		N	119	PWR	Stainless steel, nickel alloy PWR reactor vessel internal components exposed to reactor coolant, neutron flux	Loss of fracture toughness due to thermal aging, neutron radiation embrittlement; changes in mechanical properties due to void swelling or distribution; loss of prestress due to thermal posttreatment-enhanced stress relaxation or creep; loss of material due to SCC	Plant-specific aging management program	Yes (SRP-SLR Section 3.1.2.13)	N/A2-R-424		N/A2-R-424		
Yes	Yes	No	No	2.5.2	3.1.1.120		N	120	BWR	Stainless steel core plate rim holddown bolts exposed to reactor coolant and neutron flux	Loss of prestress due to thermal or vibration-enhanced stress relaxation	AMP X.M2, "BWR Vessel Internals," and TLA-SRP-SLR 4.7 (3.1.2.14)	No	N/A1-R-420		N/A1-R-420		
Yes	Yes	No	No	2.5.2	3.1.1.121		N	121	BWR	Stainless steel jet pump assembly holddown beam bolts exposed to reactor coolant and neutron flux	Loss of prestress due to thermal or vibration-enhanced stress relaxation	AMP X.M2, "BWR Vessel Internals"	No	N/A1-R-421		N/A1-R-421		
Yes	Yes	Yes	No	2.5.2	3.1.1.122		G	122					No	N/C1-R-431		N/C1-R-431		
Yes	Yes	No	No	2.5.2	3.1.1.124		N	124	BWR/PWR	Steel piping, piping components exposed to air, including air, condensation	Loss of material due to general pitting, crevice corrosion	AMP X.M2, "External Surface Monitoring of Mechanical Components"	No	N/D1-R-437		N/D1-R-437		
Yes	Yes	No	No	2.5.2	3.1.1.125		N	125	PWR	Nickel alloy steam generator tubes at support plate, tube-to-plate welds exposed to secondary feedwater or steam	Cracking due to flow-induced vibration, high-cycle fatigue	AMP X.M7, "Steam Generation"	No	N/D1-R-437		N/D1-R-437		
Yes	No	No	No	2.5.2	3.1.1.127	LR-ISO-2016-61	N	127	PWR	Steel (with stainless steel or nickel alloy cladding) steam generator heads and subcooled exposed to reactor coolant	Loss of material due to boric acid corrosion	AMP X.M2, "Water Chemistry," and AMP X.M7, "Steam Generation"	No	N/D1-R-438		N/D1-R-438		
Yes	Yes	No	No	2.5.2	3.1.1.128		N	128	BWR	Stainless steel, nickel alloy nozzles safe ends and welds, high pressure core spray, low pressure core spray, recirculating water, low pressure coolant injection or RWI injection mode exposed to reactor coolant	Cracking due to SCC, IGSCC	AMP X.M2, "BWR Stress Corrosion Cracking," and AMP X.M2, "Water Chemistry"	No	N/A1-R-68		N/A1-R-68		
Yes	Yes	No	No	2.5.2	3.1.1.129		N	129	BWR	Steel and stainless steel piping, piping components exposed to reactor coolant, welded connections between the in-reactor control rod drive return line and the inter-piping system that delivers return flow to the reactor pressure vessel exposed to reactor coolant	Cracking due to cyclic loading	AMP X.M2, "BWR Section XI Inservice Inspection, Subsections RW, WC, and MC"	No	N/C1-R-432		N/C1-R-432		
Yes	Yes	Yes	No	2.5.2	3.1.1.130		E	130	BWR/PWR	Steel components exposed to treated water	Long-term loss of material due to general corrosion	AMP X.M2, "One-Time Inspection"	No	N/A1-R-448		N/A1-R-448		
Yes	Yes	No	No	2.5.2	3.1.1.133		N	133	BWR/PWR	Non-metallic thermal insulation exposed to air, condensation	Reduced thermal insulation resistance due to moisture intrusion	AMP X.M2, "External Surface Monitoring of Mechanical Components"	No	N/A1-R-450		N/A1-R-450		
Yes	Yes	No	No	2.5.2	3.1.1.134		N	134	BWR/PWR	Non-metallic thermal insulation exposed to air, condensation	Reduced thermal insulation resistance due to moisture intrusion	AMP X.M2, "External Surface Monitoring of Mechanical Components"	No	N/A1-R-450		N/A1-R-450		
Yes	Yes	Yes	No	2.5.2	3.1.1.135		D	135	BWR/PWR	Stainless steel, nickel alloy piping, piping components exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M2, "One-Time Inspection," AMP X.M2, "External Surface Monitoring of Mechanical Components," AMP X.M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M2, "Internal Coatings & Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.1.2.14)	N/C1-R-452a		N/C1-R-452a		
Yes	Yes	No	No	2.5.2	3.1.1.137		N	137	BWR/PWR	Copper alloy piping, piping components exposed to air, condensation	None	None	No	N/A1-R-453		N/A1-R-453		
Yes	Yes	Yes	No	2.5.2	3.1.1.138		D	138	BWR	Steel (with or without stainless steel cladding) feedwater nozzles exposed to reactor coolant	Cracking due to SCC	AMP X.M2, "One-Time Inspection," or AMP X.M2, "External Surface Monitoring of Mechanical Components"	Yes (SRP-SLR Section 3.1.2.14)	N/A2-R-740		N/A2-R-740		
Yes	No	No	No	2.5.2	3.1.1.139		N	139	PWR	Stainless steel, nickel alloy reactor vessel head enclosure flange leakage detection line exposed to air, condensation	Cracking due to SCC	AMP X.M2, "One-Time Inspection," or AMP X.M2, "External Surface Monitoring of Mechanical Components"	Yes (SRP-SLR Section 3.1.2.14)	N/A2-R-740		N/A2-R-740		
Yes	No	No	No	2.5.2	3.1.1.140		M	140	BWR/PWR	Stainless steel, steel piping, piping components exposed to air, condensation	Cumulative fatigue damage due to fatigue	AMP X.M2, "One-Time Inspection," or AMP X.M2, "External Surface Monitoring of Mechanical Components"	Yes (SRP-SLR Section 3.1.2.14)	N/D1-E-13		N/D1-E-13		
Yes	No	Yes	No	2.5.2	3.1.1.142		G	142					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.143		G	143					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.144		G	144					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.145		G	145					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.146		G	146					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.147		G	147					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.148		G	148					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.149		G	149					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.150		G	150					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.151		G	151					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.152		G	152					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.153		G	153					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.154		G	154					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.155		G	155					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.156		G	156					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.157		G	157					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.158		G	158					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.159		G	159					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.160		G	160					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.161		G	161					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.162		G	162					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.163		G	163					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.164		G	164					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.165		G	165					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.166		G	166					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.167		G	167					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.168		G	168					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.169		G	169					No	N/A1-R-453		N/A1-R-453		
Yes	No	Yes	No	2.5.2	3.1.1.170		G	1										



Yes	No	No	No	3.2.1.015	3.2.1.015	M	016	BAR/PWR	Metallic closures bolted exposed to any environmental soil underground	Loss of material due to thermal effects, gasket creep, self-corrosion	AMP X/M2, "Bolt Integrity"	No	VE-EP-116	15	VE-EP-116 VE-EP-117 VE-EP-118 VE-EP-119 VE-EP-120 VE-EP-121 VE-EP-122 NA	VE-EP-116 VE-EP-117 VE-EP-118 VE-EP-119 VE-EP-120 VE-EP-121 VE-EP-122 NA	NA		
Yes	No	No	No	3.2.1.016	3.2.1.016	M	016	BAR/PWR	Steel piping, piping components exposed to treated water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP X/M2, "Water Chemistry" and AMP X/M2, "One-Time Inspection"	No	VE-EP-62 VE-EP-63 VE-EP-71	16	VE-EP-62 VE-EP-63 VE-EP-71	VE-EP-62 VE-EP-63 VE-EP-71	VE-EP-62 VE-EP-63 VE-EP-71	NA	
No	No	Yes	No	3.2.1.018	3.2.1.018	D	016	BAR	Loss of material due to pitting, crevice corrosion	AMP X/M2, "Water Chemistry" and AMP X/M2, "One-Time Inspection"	No	VE-EP-62 VE-EP-71	17	VE-EP-62 VE-EP-71	VE-EP-62 VE-EP-71	VE-EP-62 VE-EP-71	VE-EP-62 VE-EP-71	NA	
No	No	No	Yes	3.2.1.019	LR-ISO-2011-01	LR-ISO-2011-01	D	016	BAR/PWR	Stainless steel heat exchanger tubes exposed to treated water, treated bore water	Reduction of heat transfer due to fouling	AMP X/M2, "Water Chemistry" and AMP X/M2, "One-Time Inspection"	No	VAE-20 VE-EP-14 VAE-16 VE-EP-12	19	VAE-20 VE-EP-14 VAE-16 VE-EP-12	VAE-20 VE-EP-14 VAE-16 VE-EP-12	VAE-20 VE-EP-14 VAE-16 VE-EP-12	NA
Yes	No	No	Yes	3.2.1.020	LR-ISO-2011-01	LR-ISO-2011-01	M	005	PWR	Stainless steel heat exchanger tanks of nickel alloy cladding piping, piping components, tanks exposed to treated bore water (≤140°F)	Cracking due to SCC	AMP X/M2, "Water Chemistry" and AMP X/M2, "One-Time Inspection"	No	VAE-62 VE-EP-14 VE-EP-12	20	VAE-62 VE-EP-14 VE-EP-12	VAE-62 VE-EP-14 VE-EP-12	VAE-62 VE-EP-14 VE-EP-12	NA
Yes	No	Yes	No	3.2.1.021	LR-ISO-2011-01	LR-ISO-2011-01	D	021	BAR/PWR	Nickel alloy, stainless steel heat exchanger components, piping, piping components, tanks exposed to treated water, treated bore water	Loss of material due to pitting, crevice corrosion, MIC	AMP X/M2, "Water Chemistry" and AMP X/M2, "One-Time Inspection"	No	VAE-428 VE-EP-14 VE-EP-428 VE-EP-428 VE-EP-41	22	VAE-428 VE-EP-14 VE-EP-428 VE-EP-428 VE-EP-41	VAE-428 VE-EP-14 VE-EP-428 VE-EP-428 VE-EP-41	VAE-428 VE-EP-14 VE-EP-428 VE-EP-428 VE-EP-41	NA
Yes	No	No	No	3.2.1.023	3.2.1.023	M	003	BAR/PWR	Steel heat exchanger components, piping, piping components exposed to raw water	Loss of material due to general, pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP X/M2, "Open-Cycle Cooling Water System"	No	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	23	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	NA	
Yes	No	No	No	3.2.1.024	3.2.1.024	M	004	PWR	Stainless steel piping, piping components exposed to raw water	Loss of material due to pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP X/M2, "Open-Cycle Cooling Water System"	No	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	24	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	NA	
Yes	No	No	No	3.2.1.025	3.2.1.025	M	005	BAR/PWR	Stainless steel heat exchanger components exposed to raw water	Loss of material due to pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP X/M2, "Open-Cycle Cooling Water System"	No	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	25	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	VAE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20 VE-EP-20	NA	
Yes	No	Yes	No	3.2.1.026	3.2.1.026	D	026	BAR/PWR	Stainless steel, steel heat exchanger tubes exposed to raw water	Reduction of heat transfer due to fouling	AMP X/M2, "Open-Cycle Cooling Water System"	No	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	26	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	NA	
Yes	No	No	No	3.2.1.028	3.2.1.028	M	008	BAR/PWR	Stainless steel piping, piping components exposed to closed-cycle cooling water	Cracking due to SCC	AMP X/M2, "Closed Treated Water Systems"	No	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	27	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	NA	
Yes	No	No	No	3.2.1.029	3.2.1.029	M	009	BAR/PWR	Steel piping, piping components exposed to closed-cycle cooling water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP X/M2, "Closed Treated Water Systems"	No	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	28	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	NA	
Yes	No	No	No	3.2.1.030	3.2.1.030	M	009	BAR/PWR	Steel heat exchanger components exposed to closed-cycle cooling water	Loss of material due to general, pitting, crevice corrosion, MIC	AMP X/M2, "Closed Treated Water Systems"	No	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	29	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	NA	
Yes	No	No	No	3.2.1.031	3.2.1.031	M	011	BAR/PWR	Stainless steel heat exchanger components, piping, piping components exposed to closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP X/M2, "Closed Treated Water Systems"	No	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	31	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	VAE-21 VE-EP-21 VE-EP-21 VE-EP-21 VE-EP-21	NA	
Yes	No	No	No	3.2.1.032	3.2.1.032	M	002	BAR/PWR	Copper alloy heat exchanger components, piping, piping components exposed to closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP X/M2, "Closed Treated Water Systems"	No	VAE-EP-73 VAE-EP-73 VE-EP-47 						



	No	No	No	3.2.1	3.2.1.073	LR-ISO 2013-01	M	074	BWR/PWR	Any internal piping, piping components, heat exchangers, tanks with internal coatings/lignings exposed to closed-cycle cooling water, raw water, treated water, treated boreal water, lubricating oil.	Loss of material due to general pitting, crevice corrosion, MIC	APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No		N/A-E-414 V-BE-414 V-C-E-414 V-DI-E-414 V-OZ-E-414	
Yes	No	No	No	3.2.1	3.2.1.074	LR-ISO 2013-01	M	074	BWR/PWR	Gray cast iron, ductile iron piping, piping components with internal coatings/lignings exposed to closed-cycle cooling water, raw water, treated water, treated boreal water, waste water.	Loss of material due to selective leaching	APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No		V-AE-415 V-E-415 V-C-E-415 V-DI-E-415 V-OZ-E-415	
No	No	Yes	No	3.2.1	3.2.1.075		D	075			Loss of material due to general, pitting, crevice corrosion, MIC, nickel copper alloy	APP X/M1 & "Boiling Integrity"	No		V-E-418	
Yes	Yes	Yes	No	3.2.1	3.2.1.077		D	077		Stainless steel, steel, nickel alloy, copper/aluminum alloys exposed to treated boreal water	Cracking due to SCC (nickel in carbonated/bicarbonate environment only)	APP X/M1, "Buried and Underground Piping and Tanks"	No		V-E-420	
Yes	Yes	No	No	3.2.1	3.2.1.079		N	079	BWR/PWR	Stainless steel, steel, aluminum piping, piping components, tanks exposed to salt, concrete	Cracking due to SCC	APP X/M1 & "Boiling Integrity"	Yes	SRP-SLR Section 3.2.2.20	V-E-421 V-E-426 V-E-429 V-E-432c	
Yes	Yes	No	No	3.2.1	3.2.1.080		N	080	BWR/PWR	Stainless steel underground piping, piping components, tanks	Cracking due to SCC	APP X/M2, "One-Time Inspection," APP X/M3, "Buried and Underground Piping and Tanks," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-E-421 V-E-429 V-E-432c	
Yes	Yes	No	No	3.2.1	3.2.1.081		N	081	BWR/PWR	Stainless steel, steel, aluminum, copper alloy, titanium heat exchanger tubes exposed to air, condensation	Reduction of heat transfer due to fouling	APP X/M2, "External Surfaces Monitoring of Mechanical Components"	No		V-E-424	
Yes	No	Yes	No	3.2.1	3.2.1.083		D	083					No			
Yes	Yes	Yes	No	3.2.1	3.2.1.084		D	084					No			
Yes	No	Yes	No	3.2.1	3.2.1.085		D	085					No			
Yes	Yes	Yes	No	3.2.1	3.2.1.086		D	086					No			
Yes	Yes	No	No	3.2.1	3.2.1.087		N	087	BWR/PWR	Non-metallic thermal insulation exposed to air, condensation	Radical thermal insulation resistance due to moisture intrusion	APP X/M2, "External Surfaces Monitoring of Mechanical Components"	No		V-E-422	
Yes	Yes	Yes	No	3.2.1	3.2.1.088		N	088	BWR/PWR	Steel components exposed to treated water, treated boreal water, raw water	Long-term loss of material due to general corrosion	APP X/M2, "One-Time Inspection"	No		N/A-E-431 V-B-E-431 V-C-E-431 V-DI-E-431 V-OZ-E-431	
Yes	Yes	No	No	3.2.1	3.2.1.091		N	091	BWR/PWR	Stainless steel piping, piping components exposed to ammonia	None	None	Yes	SRP-SLR Section 3.2.2.20	V-FEP-20	
Yes	Yes	Yes	No	3.2.1	3.2.1.092		D	092					No			
Yes	Yes	No	No	3.2.1	3.2.1.096		N	096	BWR/PWR	Steel, stainless steel piping, piping components exposed to raw water (for components not covered by NRC 10 CFR 50.55)	Loss of material due to general pitting, crevice corrosion, MIC, flow accelerated corrosion	APP X/M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No		V-DI-E-439 V-OZ-E-440	
Yes	No	Yes	No	3.2.1	3.2.1.097		D	097		Copper alloy (>15% Cu) or 90% Ni piping, piping components exposed to air, condensation	Loss of material due to selective leaching	APP X/M2, "Selective Leaching"	No		V-DI-E-441 V-OZ-E-442	
Yes	Yes	No	No	3.2.1	3.2.1.099		N	099	BWR/PWR	Stainless steel, nickel alloy/tanks exposed to air, condensation	Loss of material due to pitting, crevice corrosion	APP X/M2, "One-Time Inspection," APP X/M3, "External Surfaces Monitoring of Mechanical Components," APP X/M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-E-443 V-E-449 V-E-452 V-E-453	
Yes	Yes	No	No	3.2.1	3.2.1.100		N	100	BWR/PWR	Aluminum piping, piping components, tanks exposed to air, condensation (internal), raw water, waste water	Cracking due to SCC	APP X/M2, "One-Time Inspection," APP X/M3, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-AE-443b V-AE-443c V-AE-443d V-E-443b V-E-443c V-DI-E-443b V-DI-E-443c V-OZ-E-443b V-OZ-E-443c	
Yes	Yes	No	No	3.2.1	3.2.1.101		N	101	BWR/PWR	Aluminum piping, piping components, tanks exposed to air, condensation (external)	Cracking due to SCC	APP X/M2, "One-Time Inspection," APP X/M3, "External Surfaces Monitoring of Mechanical Components," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-E-444b V-E-444c V-F-E-444b	
Yes	Yes	No	No	3.2.1	3.2.1.102		N	102	BWR/PWR	Aluminum tanks (within the scope of APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to air, condensation, soil, concrete, raw water, waste water	Cracking due to SCC	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks," APP X/M2, "One-Time Inspection," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-DI-E-444a V-DI-E-444b V-OZ-E-444a V-OZ-E-444b	
Yes	Yes	No	No	3.2.1	3.2.1.103		N	103	BWR/PWR	Stainless steel tanks (within the scope of APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to air, condensation	Cracking due to SCC	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks," APP X/M2, "One-Time Inspection," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-E-444a V-E-444b V-OZ-E-444a V-OZ-E-444b	
Yes	No	No	No	3.2.1	3.2.1.104		N	104	BWR/PWR	Aluminum tanks (within the scope of APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to salt, concrete	Loss of material due to pitting, crevice corrosion	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No		V-E-447 V-E-448	
Yes	Yes	No	No	3.2.1	3.2.1.105		N	105	BWR/PWR	Aluminum tanks (within the scope of APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to air, condensation	Loss of material due to pitting, crevice corrosion	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks," APP X/M2, "One-Time Inspection," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.10	V-DI-E-448a V-DI-E-448b V-OZ-E-448a V-OZ-E-448b	
Yes	Yes	No	No	3.2.1	3.2.1.106		N	106	BWR/PWR	Stainless steel, nickel alloy/tanks (within the scope of APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to air, condensation	Loss of material due to pitting, crevice corrosion	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks," APP X/M2, "One-Time Inspection," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-DI-E-448a V-DI-E-448b V-OZ-E-448a V-OZ-E-448b	
Yes	Yes	No	No	3.2.1	3.2.1.107		N	107	BWR/PWR	Insulated stainless steel, nickel alloy piping, piping components, tanks exposed to air, condensation	Loss of material due to pitting, crevice corrosion	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks," APP X/M2, "One-Time Inspection," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-E-450a V-E-450b V-E-450c V-E-450d	
Yes	Yes	No	No	3.2.1	3.2.1.108		N	108	BWR/PWR	Insulated stainless steel piping, piping components, tanks exposed to air, condensation	Cracking due to SCC	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks," APP X/M2, "One-Time Inspection," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-E-451a V-E-451b V-E-451c V-E-451d	
Yes	Yes	No	No	3.2.1	3.2.1.109		N	109	BWR/PWR	Insulated aluminum piping, piping components, tanks exposed to air, condensation	Cracking due to SCC	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks," APP X/M2, "One-Time Inspection," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-E-452a V-E-452b V-E-452c V-E-452d	
Yes	Yes	No	No	3.2.1	3.2.1.110		N	110	BWR/PWR	Aluminum underground piping, piping components, tanks	Cracking due to SCC	APP X/M2, "One-Time Inspection," APP X/M1, "Buried and Underground Piping and Tanks," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-E-453a V-E-453b V-E-453c V-E-453d	
Yes	Yes	No	No	3.2.1	3.2.1.111		N	111	BWR/PWR	Aluminum underground piping, piping components, tanks	Loss of material due to pitting, crevice corrosion	APP X/M2, "One-Time Inspection," APP X/M1, "Buried and Underground Piping and Tanks," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.10	V-E-454a V-E-454b V-E-454c V-E-454d	
Yes	Yes	Yes	No	3.2.1	3.2.1.112		N	112	BWR/PWR	Stainless steel, nickel alloy underground piping, piping components, tanks	Loss of material due to pitting, crevice corrosion	APP X/M2, "One-Time Inspection," APP X/M1, "Buried and Underground Piping and Tanks," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-E-455a V-E-455b V-E-455c V-E-455d	
Yes	Yes	Yes	No	3.2.1	3.2.1.113		D	113	BWR/PWR							
Yes	Yes	No	No	3.2.1	3.2.1.114		N	114	BWR/PWR	Stainless steel, nickel alloy piping, piping components exposed to treated water >60°C (>140°F)	Cracking due to SCC	APP X/M2, "Water Chemistry," and APP X/M2, "One-Time Inspection"	No		V-B-E-457 V-E-457 V-OZ-E-457	
Yes	Yes	No	No	3.2.1	3.2.1.115		N	115	BWR/PWR	Titanium heat exchanger tubes exposed to treated water	Reduction of heat transfer due to fouling	APP X/M2, "Water Chemistry," and APP X/M2, "One-Time Inspection"	No		V-AE-458 V-DI-E-458 V-OZ-E-458	
Yes	Yes	No	No	3.2.1	3.2.1.116		N	116	BWR/PWR	Titanium (ASTM Grades 1, 2, 7, 11, or 12) heat exchanger components other than heat piping components exposed to treated water	None	None	No		V-F-E-459	
Yes	Yes	No	No	3.2.1	3.2.1.117		N	117	BWR/PWR	Titanium heat exchanger tubes exposed to closed-cycle cooling water	Reduction of heat transfer due to fouling	APP X/M1A, "Closed Treated Water Systems"	No		V-AE-460 V-DI-E-460 V-OZ-E-460	
Yes	Yes	No	No	3.2.1	3.2.1.118		N	118	BWR/PWR	Titanium (ASTM Grades 1, 2, 7, 11, or 12) heat exchanger components other than heat piping components exposed to closed-cycle cooling water	None	None	No		V-F-E-461	
Yes	Yes	No	No	3.2.1	3.2.1.119		N	119	BWR/PWR	Insulated aluminum piping, piping components, tanks exposed to air, condensation	Loss of material due to pitting, crevice corrosion	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks," APP X/M2, "One-Time Inspection," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.20	V-E-462a V-E-462b V-E-462c V-E-462d	
Yes	Yes	No	No	3.2.1	3.2.1.120		N	120	BWR/PWR	Aluminum piping, piping components, tanks exposed to air, condensation	Loss of material due to pitting, crevice corrosion	APP X/M1, "Buried and Underground Piping and Tanks"	No		V-E-463	
Yes	Yes	No	No	3.2.1	3.2.1.121		N	121	BWR/PWR	Aluminum piping, piping components, tanks exposed to raw water, waste water	Loss of material due to pitting, crevice corrosion	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks," APP X/M2, "One-Time Inspection," or APP X/M2, "Internal Coatings/Lignings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes	SRP-SLR Section 3.2.2.10	V-E-464a V-E-464b V-E-464c V-E-464d	
Yes	Yes	No	No	3.2.1	3.2.1.122		N	122	BWR/PWR	Elastomer piping, piping components, seals exposed to air	Loss of material due to wear	APP X/M2, "External Surfaces Monitoring of Mechanical Components"	No		V-E-465	
Yes	Yes	No	No	3.2.1	3.2.1.123		N	123	BWR/PWR	Elastomer piping, piping components, seals exposed to air	Loss of material due to wear	APP X/M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No		V-AE-466 V-E-466 V-C-E-466 V-DI-E-466 V-OZ-E-466	
Yes	Yes	No	No	3.2.1	3.2.1.124		N	124	BWR/PWR	Aluminum piping, piping components, tanks exposed to salt, concrete	None	None	No		V-F-E-467	
Yes	Yes	No	No	3.2.1	3.2.1.125		N	125	BWR/PWR	Steel closure bolting exposed to salt, concrete	Loss of material due to general, pitting, crevice corrosion, MIC, flow accelerated corrosion	APP X/M1, "Buried and Underground Piping and Tanks"	No		V-E-468	
Yes	Yes	No	No	3.2.1	3.2.1.126		N	126	BWR/PWR	Titanium, nickel austenitic piping, piping components, tanks, closure bolting exposed to salt, concrete	Loss of material due to pitting, crevice corrosion, MIC, flow accelerated corrosion	APP X/M1, "Buried and Underground Piping and Tanks"	No		V-E-469	
Yes	Yes	No	No	3.2.1	3.2.1.127		N	127	BWR/PWR	Copper alloy piping, piping components exposed to ammonia	None	None	No		V-F-E-470	
Yes	Yes	No	No	3.2.1	3.2.1.128		N	128	BWR/PWR	Copper alloy piping, piping components exposed to salt, concrete	Loss of material due to general, pitting, crevice corrosion, MIC, flow accelerated corrosion	APP X/M1, "Buried and Underground Piping and Tanks"	No		V-E-471	
Yes	Yes	No	No	3.2.1	3.2.1.129		N	129	BWR/PWR	Stainless steel tanks exposed to salt, concrete	Loss of material due to pitting, crevice corrosion, MIC, flow accelerated corrosion	APP X/M2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No		V-E-472 V-E-473 V-E-474	
Yes	Yes	No	No	3.2.1	3.2.1.130		N	130	BWR/PWR	Steel heat exchanger components exposed to raw water, lubricating oil	Loss of material due to general, pitting, crevice corrosion, MIC	APP X/M2, "Lubricating Oil Analysis," and APP X/M2, "One-Time Inspection"	No		V-AE-475 V-E-475 V-DI-E-475 V-OZ-E-475	
Yes	Yes	No	No	3.2.1	3.2.1.131		N	131	BWR/PWR	Aluminum piping, piping components exposed to raw water, lubricating oil	Flow blockage due to fouling	APP X/M2, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No		V-AE-476 V-DI-E-476 V-OZ-E-476	
Yes	No	No	No	3.3.1	3.3.1.001		M	001	BWR/PWR	Steel cranes, bridges, structural members, structural components exposed to any environment	Cumulative fatigue damage due to fatigue	TLA, SRP-SLR Section 4 "Other Plant Specific TLA's"	Yes	SRP-SLR Section 3.3.2.11	V-B-A-06	
Yes	No	No	No	3.3.1	3.3.1.002		M	002	BWR/PWR	Stainless steel, steel heat exchanger components and tubes, piping, piping components exposed to any environment	Cumulative fatigue damage due to fatigue	TLA, SRP-SLR Section 4 "Other Plant Specific TLA's"	Yes	SRP-SLR Section 3.3.2.11	V-E-1A-100 V-E-1A-101 V-E-1A-102 V-E-1A-103 V-E-1A-104 V-E-1A-105 V-E-1A-106 V-E-1A-107 V-E-1A-108 V-E-1A-109 V-E-1A-110	
Yes	No	No	No	3.3.1	3.3.1.003		M	003	PWR	Stainless steel heat exchanger tubing, non-regenerative exposed to treated boreal water >60°C (>140°F)	Cracking due to SCC, cyclic loading	APP X/M2, "Water Chemistry"	Yes	SRP-SLR Section 3.3.2.22	V-E-1A-100 V-E-1A-101 V-E-1A-102 V-E-1A-103 V-E-1A-104 V-E-1A-105 V-E-1A-106 V-E-1A-107 V-E-1A-108 V-E-1A-109 V-E-1A-110	
Yes	No	No	No	3.3.1	3.3.1.003a		N	003a	PWR	Stainless steel heat exchanger tubing, non-regenerative exposed to treated boreal water >60°C (>140°F)	Cracking due to SCC, cyclic loading	APP X/M2, "Water Chemistry," and APP X/M1A, "Closed Treated Water Systems"	Yes	SRP-SLR Section 3.3.2.22	V-E-1A-100 V-E-1A-101 V-E-1A-102 V-E-1A-103 V-E-1A-104 V-E-1A-105 V-E-1A-106 V-E-1A-107 V-E-1A-108 V-E-1A-109 V-E-1A-110	



Yes	No	No	No	3.3.1.004	3.3.1.004	M	006	BWR/PWR	Stainless steel piping, piping components, tanks exposed to air, condensation	Cracking due to SCC	AMP XLM2, "One-Time Inspection," AMP XLM6, "External Surface Monitoring of Mechanical Components," AMP XLM8, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP XLM2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP SLR Section 3.3.2.3)	VE1-AP-200b VE1-AP-201a VE1-AP-200a VE1-AP-200c VE1-AP-200d VE1-AP-200e VE1-AP-200f VE1-AP-200g VE1-AP-200h VE1-AP-200i VE1-AP-200j VE1-AP-200k VE1-AP-200l VE1-AP-200m VE1-AP-200n VE1-AP-200o VE1-AP-200p VE1-AP-200q VE1-AP-200r VE1-AP-200s VE1-AP-200t VE1-AP-200u VE1-AP-200v VE1-AP-200w VE1-AP-200x VE1-AP-200y VE1-AP-200z VE1-AP-201a VE1-AP-201b VE1-AP-201c VE1-AP-201d VE1-AP-201e VE1-AP-201f VE1-AP-201g VE1-AP-201h VE1-AP-201i VE1-AP-201j VE1-AP-201k VE1-AP-201l VE1-AP-201m VE1-AP-201n VE1-AP-201o VE1-AP-201p VE1-AP-201q VE1-AP-201r VE1-AP-201s VE1-AP-201t VE1-AP-201u VE1-AP-201v VE1-AP-201w VE1-AP-201x VE1-AP-201y VE1-AP-201z VE1-AP-202a VE1-AP-202b VE1-AP-202c VE1-AP-202d VE1-AP-202e VE1-AP-202f VE1-AP-202g VE1-AP-202h VE1-AP-202i VE1-AP-202j VE1-AP-202k VE1-AP-202l VE1-AP-202m VE1-AP-202n VE1-AP-202o VE1-AP-202p VE1-AP-202q VE1-AP-202r VE1-AP-202s VE1-AP-202t VE1-AP-202u VE1-AP-202v VE1-AP-202w VE1-AP-202x VE1-AP-202y VE1-AP-202z VE1-AP-203a VE1-AP-203b VE1-AP-203c VE1-AP-203d VE1-AP-203e VE1-AP-203f VE1-AP-203g VE1-AP-203h VE1-AP-203i VE1-AP-203j VE1-AP-203k VE1-AP-203l VE1-AP-203m VE1-AP-203n VE1-AP-203o VE1-AP-203p VE1-AP-203q VE1-AP-203r VE1-AP-203s VE1-AP-203t VE1-AP-203u VE1-AP-203v VE1-AP-203w VE1-AP-203x VE1-AP-203y VE1-AP-203z VE1-AP-204a VE1-AP-204b VE1-AP-204c VE1-AP-204d VE1-AP-204e VE1-AP-204f VE1-AP-204g VE1-AP-204h VE1-AP-204i VE1-AP-204j VE1-AP-204k VE1-AP-204l VE1-AP-204m VE1-AP-204n VE1-AP-204o VE1-AP-204p VE1-AP-204q VE1-AP-204r VE1-AP-204s VE1-AP-204t VE1-AP-204u VE1-AP-204v VE1-AP-204w VE1-AP-204x VE1-AP-204y VE1-AP-204z VE1-AP-205a VE1-AP-205b VE1-AP-205c VE1-AP-205d VE1-AP-205e VE1-AP-205f VE1-AP-205g VE1-AP-205h VE1-AP-205i VE1-AP-205j VE1-AP-205k VE1-AP-205l VE1-AP-205m VE1-AP-205n VE1-AP-205o VE1-AP-205p VE1-AP-205q VE1-AP-205r VE1-AP-205s VE1-AP-205t VE1-AP-205u VE1-AP-205v VE1-AP-205w VE1-AP-205x VE1-AP-205y VE1-AP-205z VE1-AP-206a VE1-AP-206b VE1-AP-206c VE1-AP-206d VE1-AP-206e VE1-AP-206f VE1-AP-206g VE1-AP-206h VE1-AP-206i VE1-AP-206j VE1-AP-206k VE1-AP-206l VE1-AP-206m VE1-AP-206n VE1-AP-206o VE1-AP-206p VE1-AP-206q VE1-AP-206r VE1-AP-206s VE1-AP-206t VE1-AP-206u VE1-AP-206v VE1-AP-206w VE1-AP-206x VE1-AP-206y VE1-AP-206z VE1-AP-207a VE1-AP-207b VE1-AP-207c VE1-AP-207d VE1-AP-207e VE1-AP-207f VE1-AP-207g VE1-AP-207h VE1-AP-207i VE1-AP-207j VE1-AP-207k VE1-AP-207l VE1-AP-207m VE1-AP-207n VE1-AP-207o VE1-AP-207p VE1-AP-207q VE1-AP-207r VE1-AP-207s VE1-AP-207t VE1-AP-207u VE1-AP-207v VE1-AP-207w VE1-AP-207x VE1-AP-207y VE1-AP-207z VE1-AP-208a VE1-AP-208b VE1-AP-208c VE1-AP-208d VE1-AP-208e VE1-AP-208f VE1-AP-208g VE1-AP-208h VE1-AP-208i VE1-AP-208j VE1-AP-208k VE1-AP-208l VE1-AP-208m VE1-AP-208n VE1-AP-208o VE1-AP-208p VE1-AP-208q VE1-AP-208r VE1-AP-208s VE1-AP-208t VE1-AP-208u VE1-AP-208v VE1-AP-208w VE1-AP-208x VE1-AP-208y VE1-AP-208z VE1-AP-209a VE1-AP-209b VE1-AP-209c VE1-AP-209d VE1-AP-209e VE1-AP-209f VE1-AP-209g VE1-AP-209h VE1-AP-209i VE1-AP-209j VE1-AP-209k VE1-AP-209l VE1-AP-209m VE1-AP-209n VE1-AP-209o VE1-AP-209p VE1-AP-209q VE1-AP-209r VE1-AP-209s VE1-AP-209t VE1-AP-209u VE1-AP-209v VE1-AP-209w VE1-AP-209x VE1-AP-209y VE1-AP-209z VE1-AP-210a VE1-AP-210b VE1-AP-210c VE1-AP-210d VE1-AP-210e VE1-AP-210f VE1-AP-210g VE1-AP-210h VE1-AP-210i VE1-AP-210j VE1-AP-210k VE1-AP-210l VE1-AP-210m VE1-AP-210n VE1-AP-210o VE1-AP-210p VE1-AP-210q VE1-AP-210r VE1-AP-210s VE1-AP-210t VE1-AP-210u VE1-AP-210v VE1-AP-210w VE1-AP-210x VE1-AP-210y VE1-AP-210z VE1-AP-211a VE1-AP-211b VE1-AP-211c VE1-AP-211d VE1-AP-211e VE1-AP-211f VE1-AP-211g VE1-AP-211h VE1-AP-211i VE1-AP-211j VE1-AP-211k VE1-AP-211l VE1-AP-211m VE1-AP-211n VE1-AP-211o VE1-AP-211p VE1-AP-211q VE1-AP-211r VE1-AP-211s VE1-AP-211t VE1-AP-211u VE1-AP-211v VE1-AP-211w VE1-AP-211x VE1-AP-211y VE1-AP-211z VE1-AP-212a VE1-AP-212b VE1-AP-212c VE1-AP-212d VE1-AP-212e VE1-AP-212f VE1-AP-212g VE1-AP-212h VE1-AP-212i VE1-AP-212j VE1-AP-212k VE1-AP-212l VE1-AP-212m VE1-AP-212n VE1-AP-212o VE1-AP-212p VE1-AP-212q VE1-AP-212r VE1-AP-212s VE1-AP-212t VE1-AP-212u VE1-AP-212v VE1-AP-212w VE1-AP-212x VE1-AP-212y VE1-AP-212z VE1-AP-213a VE1-AP-213b VE1-AP-213c VE1-AP-213d VE1-AP-213e VE1-AP-213f VE1-AP-213g VE1-AP-213h VE1-AP-213i VE1-AP-213j VE1-AP-213k VE1-AP-213l VE1-AP-213m VE1-AP-213n VE1-AP-2
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Yes	No	No	No	3.3.1	3.3.1.048	M	048	BAR/PWR	Aluminum piping, piping components exposed to closed-cycle cooling water	Loss of material due to pitting, crevice corrosion	AMP X.M14, "Closed Trained Water Systems"	No	W.C2 AP-256 W.C2 AP-266 W.C2 AP-452	48	W.C2 AP-254 W.C2 AP-264 W.C2 AP-450	N/A		
Yes	No	No	No	3.3.1	3.3.1.049	M	049	BAR/PWR	Stainless steel piping, piping components exposed to closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP X.M14, "Closed Trained Water Systems"	No	W.C2 AP-188 W.C2 AP-205 W.C2 AP-188 W.E4 AP-188 W.F1 AP-204 W.F1 AP-205 W.F2 AP-204 W.F2 AP-205 W.F3 AP-204 W.F3 AP-205 W.F4 AP-204	49	W.C2 AP-188 W.C2 AP-205 W.C2 AP-188 W.E4 AP-188 W.F1 AP-204 W.F1 AP-205 W.F2 AP-204 W.F2 AP-205 W.F3 AP-204 W.F3 AP-205 W.F4 AP-204	W.C3 3AP-631 W.C3 2AP-605 W.C3 3AP-631 W.E4 3AP-631 W.F1 3AP-631 W.F1 12AP-605 W.F2 13AP-631 W.F2 10AP-605 W.F3 13AP-631 W.F3 10AP-605 W.F4 3AP-631		
No	No	No	No	3.3.1	3.3.1.051	M	051	BAR/PWR	Borehole spent fuel storage racks: neutron-absorbing sheath (NARS), spent fuel storage racks: neutron-absorbing sheath (NARS) exposed to treated borehole water, treated water	Reduction of neutron-absorbing capacity due to borehole degradation	AMP X.M12, "Borehole Monitoring"	No	W.A2 A-68 W.A2 A-67	51	W.A2 A-66 W.A2 A-67	W.A2 A-66 W.A2 A-67		
Yes	No	No	No	3.3.1	3.3.1.052	M	052	BAR/PWR	Steel concrete, walls, indogs, structural members, structural components exposed to air	Loss of material due to general corrosion, wear, deformation, cracking	AMP X.M12, "Inspection of Overhead Heavy Load and Light Load Structures in Selected Specific Systems"	No	W.B A-67	52	W.B A-67	W.B A-67		
Yes	No	Yes	No	3.3.1	3.3.1.053	D	053											
Yes	No	Yes	No	3.3.1	3.3.1.054	D	054											
Yes	No	No	No	3.3.1	3.3.1.055	M	055	BAR/PWR	Steel piping, piping components, tanks exposed to condensation	Loss of material due to general, pitting, crevice corrosion	AMP X.M12, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	W.D A-26 W.E5 A-26 W.F1 A-26 W.F2 A-26 W.F3 A-26 W.F4 A-26 W.G2 A-26	55	W.D A-26	W.D A-26		
Yes	No	Yes	No	3.3.1	3.3.1.056	D	056											
Yes	No	Yes	No	3.3.1	3.3.1.057	M	057	BAR/PWR	Elastomer heat barrier penetration seals exposed to air, condensation	Hardening, loss of strength, shrinkage and dimensional changes	AMP X.M12, "Fire Protection"	No	W.G A-19	57	W.G A-19	W.G A-19		
Yes	No	No	No	3.3.1	3.3.1.058	M	058	BAR/PWR	Steel heat exchanger tanks, heat exchanger piping, piping components exposed to air – indoor uncontrolled, air – outdoor conditioned	Loss of material due to general, pitting, crevice corrosion	AMP X.M12, "Fire Protection"	No	W.G AP-150	58	W.G AP-150	N/A		
Yes	No	No	No	3.3.1	3.3.1.059	M	059	BAR/PWR	Steel fire stand bank exposed to air	Loss of material due to wear	AMP X.M12, "Fire Protection"	No	W.G A-21	59	W.G A-21	W.G A-21		
Yes	No	No	No	3.3.1	3.3.1.060	M	060	BAR/PWR	Reinforced concrete structural fire barriers, walls, ceilings and floors exposed to air	Cracking due to chemical reaction, weathering, settlement, or corrosion of reinforcement; loss of material due to deterioration, oxidation, spalling, delamination at spalls	AMP X.M12, "Fire Protection," and AMP X.M12, "Structural Monitoring"	No	W.G A-50	60	W.G A-50	W.G A-50		
Yes	No	Yes	No	3.3.1	3.3.1.061	D	061											
Yes	No	Yes	No	3.3.1	3.3.1.062	D	062											
Yes	No	No	No	3.3.1	3.3.1.063	M	063	BAR/PWR	Steel fire hydrants exposed to air – outdoor, raw water, raw water (potable), treated water	Loss of material due to general, pitting, crevice corrosion; flow blockage due to fouling (raw water, raw water (potable))	AMP X.M12, "Fire Water System"	No	W.G AP-149	63	W.G AP-149	N/A		
Yes	No	No	No	3.3.1	3.3.1.064	LR-ISO-2012-02	M	064	BAR/PWR	Steel, copper alloy piping, piping components exposed to raw water, treated water, raw water (potable)	Loss of material due to general (steel, copper alloy), raw water and raw water (potable), pitting, crevice corrosion, MIC; flow blockage due to fouling (raw water, raw water (potable))	AMP X.M12, "Fire Water System"	No	W.G A-33 W.G AP-157	64	W.G A-33 W.G AP-157	W.G A-33 W.G AP-157	
Yes	No	No	No	3.3.1	3.3.1.065	LR-ISO-2012-02	M	065	BAR/PWR	Aluminum piping, piping components exposed to raw water, treated water, raw water (potable)	Loss of material due to pitting, crevice corrosion, MIC; fouling that leads to corrosion; flow blockage due to fouling (raw water, raw water (potable))	AMP X.M12, "Fire Water System"	No	W.G AP-180	65	W.G AP-180	W.G AP-180	
Yes	No	No	No	3.3.1	3.3.1.066	LR-ISO-2012-02	M	066	BAR/PWR	Stainless steel piping, piping components exposed to raw water, treated water, raw water (potable)	Loss of material due to pitting, crevice corrosion, MIC; flow blockage due to fouling (raw water, raw water (potable))	AMP X.M12, "Fire Water System"	No	W.G A-55	66	W.G A-55	W.G A-55	
Yes	No	Yes	No	3.3.1	3.3.1.067	LR-ISO-2012-02	D	067										
Yes	No	Yes	No	3.3.1	3.3.1.068	D	068											
Yes	No	No	No	3.3.1	3.3.1.069	M	069	BAR/PWR	Copper alloy piping, piping components exposed to fuel oil	Loss of material due to pitting, crevice corrosion, MIC	AMP X.M12, "Fuel Oil Chemistry" and AMP X.M12, "One-Time Inspection," or AMP X.M12, "Fuel Oil Chemistry"	No	W.G AP-132 W.G AP-132 W.H1 AP-132 W.H1 AP-132 W.H2 AP-132 W.H2 AP-132 W.H2 AP-132	69	W.G AP-132 W.G AP-132 W.H1 AP-132 W.H1 AP-132 W.H2 AP-132 W.H2 AP-132 W.H2 AP-132	W.G AP-132 W.G AP-132 W.H1 10AP-44 W.H1 10AP-44 W.H2 10AP-44 W.H2 10AP-44 W.H2 10AP-44		
Yes	No	No	No	3.3.1	3.3.1.070	M	070	BAR/PWR	Steel piping, piping components, tanks exposed to fuel oil	Loss of material due to general, pitting, crevice corrosion, MIC	AMP X.M12, "Fuel Oil Chemistry" and AMP X.M12, "One-Time Inspection," or AMP X.M12, "Fuel Oil Chemistry"	No	W.H1 AP-106 W.H1 AP-106 W.H2 AP-106 W.H2 AP-106 W.G AP-234 W.G AP-234	70	W.H1 AP-106 W.H1 AP-106 W.H2 AP-106 W.H2 AP-106 W.G AP-234 W.G AP-234	W.H1 10AP-36 W.H1 10AP-36 W.H2 10AP-36 W.H2 10AP-36 W.G AP-234 W.G AP-234		
Yes	No	No	No	3.3.1	3.3.1.071	M	071	BAR/PWR	Stainless steel, aluminum piping, piping components exposed to fuel oil	Loss of material due to pitting, crevice corrosion, MIC	AMP X.M12, "Fuel Oil Chemistry" and AMP X.M12, "One-Time Inspection," or AMP X.M12, "Fuel Oil Chemistry"	No	W.G AP-129 W.G AP-129 W.H1 AP-136 W.H1 AP-136 W.H2 AP-136 W.H2 AP-136 W.H1 AP-136 W.H1 AP-136 W.H2 AP-136 W.H2 AP-136 W.G AP-234 W.G AP-234	71	W.G AP-129 W.G AP-129 W.H1 AP-136 W.H1 AP-136 W.H2 AP-136 W.H2 AP-136 W.H1 AP-136 W.H1 AP-136 W.H2 AP-136 W.H2 AP-136 W.G AP-234 W.G AP-234	W.G AP-129 W.G AP-129 W.H1 10AP-36 W.H1 10AP-36 W.H2 10AP-36 W.H2 10AP-36 W.H1 10AP-36 W.H1 10AP-36 W.H2 10AP-36 W.H2 10AP-36 W.G AP-234 W.G AP-234		
Yes	No	No	No	3.3.1	3.3.1.072	LR-ISO-2012-02	M	072	BAR/PWR	Gray cast iron, ductile iron, copper alloy (15% Zn or 10% Ni) piping, piping components, heat exchanger components exposed to treated water, closed-cycle cooling water, and, raw water, waste water	Loss of material due to selective leaching	AMP X.M12, "Selective Leaching"	No	W.A3 AP-31 W.A3 AP-31 W.A4 AP-31 W.A4 AP-31 W.A4 AP-31 W.A4 AP-31 W.C1 A-62				







Yes	No	No	No	2.5.2	3.3.1.139	LR-BS-2013-01	M	139	BWRPWR	Any material piping, piping components, heat exchangers, tanks with internal coatings/lining exposed to closed-cycle cooling water, raw water, treated water, heated treated water, fuel oil, lubricating oil, waste water	Loss of material due to general pitting, crevice corrosion, MIC	AMP XM2, "Internal Coatings/Lining for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414			
Yes	No	No	No	2.5.2	3.3.1.140	LR-BS-2013-01	M	140	BWRPWR	Gray cast iron, ductile iron piping components with internal coatings/lining exposed to closed-cycle cooling water, raw water, treated water, waste water	Loss of material due to selective leaching	AMP XM2, "Internal Coatings/Lining for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	No	VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415			
Yes	Yes	Yes	No	2.5.2	3.3.1.141		D	141					No	VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415 VECI A.415			
Yes	Yes	No	No	2.5.2	3.3.1.142		N	142	BWRPWR	Stainless steel, steel, nickel alloy, copper alloy piping, tanks exposed to fuel oil, lubricating oil, treated water, heated treated water, raw water, waste water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion, MIC, raw water and waste water environments (steel)	AMP XM18, "Boiling Integrity"	No	VECI A.423			
Yes	Yes	Yes	No	2.5.2	3.3.1.143		D	143	BWRPWR	Stainless steel, steel, aluminum piping, piping components, tanks exposed to soil, concrete	Cracking due to SCC (steel in carbonated/concrete environment only)	AMP XM1, "Buried and Underground Piping and Tanks"	No	VECI A.428			
Yes	Yes	No	No	2.5.2	3.3.1.144		N	144	BWRPWR	Stainless steel, steel, aluminum piping, piping components, tanks exposed to air, soil, concrete, underground, raw water	Cracking due to SCC	AMP XM18, "Boiling Integrity"	No	VECI A.428			
Yes	Yes	No	No	2.5.2	3.3.1.145		N	145	BWRPWR	Stainless steel, steel, aluminum piping, piping components, tanks exposed to air, soil, concrete, underground, raw water	Cracking due to SCC	AMP XM2, "One-Time Inspection," AMP XM1, "Buried and Underground Piping and Tanks," or AMP XM2, "Internal Coatings/Lining for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.3.2.2)	VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414			
Yes	Yes	No	No	2.5.2	3.3.1.146		N	146	BWRPWR	Stainless steel, steel, aluminum piping, piping components, tanks exposed to air, soil, concrete, underground, raw water	Cracking due to SCC	AMP XM2, "One-Time Inspection," AMP XM1, "Buried and Underground Piping and Tanks," or AMP XM2, "Internal Coatings/Lining for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.3.2.2)	VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414 VECI A.414			
Yes	Yes	No	No	2.5.2	3.3.1.147		N	147	BWRPWR	Nickel alloy, nickel alloy-cladding piping, piping components exposed to closed-cycle cooling water	Loss of material due to pitting, crevice corrosion, MIC	AMP XM1A, "Closed Treated Water Systems"	No	VECI A.411			
Yes	Yes	Yes	No	2.5.2	3.3.1.148		D	148	BWRPWR	Fiberglass piping, piping components, ducting, ducting components exposed to air, soil, concrete, underground, raw water	Cracking, blistering, change in color due to water absorption	AMP XM6, "External Surface Monitoring of Mechanical Components"	No	VECI A.428			
Yes	Yes	No	No	2.5.2	3.3.1.149		N	149	BWRPWR	Fiberglass piping, piping components, ducting, ducting components exposed to air, soil, concrete, underground, raw water	Loss of material or cracking due to exposure to ultraviolet light, ozone, oxidation, microorganisms, or moisture	AMP XM6, "External Surface Monitoring of Mechanical Components"	No	VECI A.720			
Yes	Yes	No	No	2.5.2	3.3.1.150		N	150	BWRPWR	Fiberglass piping, piping components, ducting, ducting components exposed to air, soil, concrete, underground, raw water	Loss of material or cracking due to exposure to ultraviolet light, ozone, oxidation, microorganisms, or moisture	AMP XM6, "External Surface Monitoring of Mechanical Components"	No	VECI A.716			
Yes	Yes	No	No	2.5.2	3.3.1.151		N	151	BWRPWR	Stainless steel, steel, aluminum, copper alloy, titanium, heat exchanger tubes exposed to air, condensation	Reduction of heat transfer due to fouling	AMP XM6, "External Surface Monitoring of Mechanical Components"	No	VECI A.716			
Yes	Yes	Yes	No	2.5.2	3.3.1.152		D	152					No				
Yes	Yes	No	No	2.5.2	3.3.1.153		N	153	BWRPWR	Stainless steel piping, piping components, and tanks exposed to waste water, HCl (140°F)	Cracking due to SCC	AMP XM6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VECI A.721			
Yes	Yes	Yes	No	2.5.2	3.3.1.154		D	154	BWRPWR	Steel piping, piping components, heat exchanger components exposed to air, outdoor	Loss of material due to general pitting, crevice corrosion	AMP XM7, "Fire Water System," or AMP XM6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722			
Yes	Yes	No	No	2.5.2	3.3.1.155		N	155	BWRPWR	Nickel alloy piping, piping components, heat exchanger components (for components not covered by NRC CL 89-13, closed-cycle cooling water)	Loss of material due to pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP XM6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VECI A.454			
Yes	Yes	No	No	2.5.2	3.3.1.156		N	156	BWRPWR	Fiberglass piping, piping components, ducting, ducting components exposed to air	Loss of material due to wear	AMP XM6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VECI A.455 VECI A.455 VECI A.455 VECI A.455 VECI A.455 VECI A.455 VECI A.455 VECI A.455 VECI A.455 VECI A.455			
Yes	Yes	No	No	2.5.2	3.3.1.157		N	157	BWRPWR	Copper alloy (15% Zn or 80% Ni) piping, piping components, heat exchanger components exposed to closed-cycle cooling water, raw water, waste water	Cracking due to SCC	AMP XM6, "Open-Cycle Cooling Water System," AMP XM1A, "Closed Treated Water Systems," or AMP XM6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VECI A.456 VECI A.456 VECI A.456 VECI A.456 VECI A.456 VECI A.456 VECI A.456 VECI A.456 VECI A.456 VECI A.456			
Yes	Yes	No	No	2.5.2	3.3.1.158		N	158	BWRPWR	Copper alloy heat exchanger tubes exposed to condensation	Reduction of heat transfer due to fouling	AMP XM6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VECI A.457 VECI A.457 VECI A.457 VECI A.457 VECI A.457 VECI A.457 VECI A.457 VECI A.457 VECI A.457 VECI A.457			
Yes	Yes	Yes	No	2.5.2	3.3.1.159		D	159					No				
Yes	Yes	Yes	Yes	2.5.2	3.3.1.160		D	160	BWRPWR	Copper alloy piping, piping components exposed to moisture	None	None	No	VECI A.711			
Yes	Yes	No	No	2.5.2	3.3.1.161		N	161	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	None	None	No	VECI A.712			
Yes	Yes	No	No	2.5.2	3.3.1.162		N	162	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion	AMP XM6, "Water Chemistry," and AMP XM2, "One-Time Inspection"	No	VECI A.713 VECI A.713 VECI A.713 VECI A.713 VECI A.713 VECI A.713 VECI A.713 VECI A.713 VECI A.713 VECI A.713			
Yes	Yes	No	No	2.5.2	3.3.1.163		N	163	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion	AMP XM6, "Water Chemistry," and AMP XM2, "One-Time Inspection"	No	VECI A.714 VECI A.714 VECI A.714 VECI A.714 VECI A.714 VECI A.714 VECI A.714 VECI A.714 VECI A.714 VECI A.714			
Yes	Yes	No	No	2.5.2	3.3.1.164		N	164	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion	AMP XM6, "Water Chemistry," and AMP XM2, "One-Time Inspection"	No	VECI A.715 VECI A.715 VECI A.715 VECI A.715 VECI A.715 VECI A.715 VECI A.715 VECI A.715 VECI A.715 VECI A.715			
Yes	Yes	No	No	2.5.2	3.3.1.165		N	165	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion	AMP XM6, "Water Chemistry," and AMP XM2, "One-Time Inspection"	No	VECI A.716 VECI A.716 VECI A.716 VECI A.716 VECI A.716 VECI A.716 VECI A.716 VECI A.716 VECI A.716 VECI A.716			
Yes	Yes	No	No	2.5.2	3.3.1.166		N	166	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion	AMP XM6, "Water Chemistry," and AMP XM2, "One-Time Inspection"	No	VECI A.717 VECI A.717 VECI A.717 VECI A.717 VECI A.717 VECI A.717 VECI A.717 VECI A.717 VECI A.717 VECI A.717			
Yes	Yes	No	No	2.5.2	3.3.1.167		N	167	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion	AMP XM6, "Water Chemistry," and AMP XM2, "One-Time Inspection"	No	VECI A.718 VECI A.718 VECI A.718 VECI A.718 VECI A.718 VECI A.718 VECI A.718 VECI A.718 VECI A.718 VECI A.718			
Yes	Yes	No	No	2.5.2	3.3.1.168		N	168	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion	AMP XM6, "Water Chemistry," and AMP XM2, "One-Time Inspection"	No	VECI A.719 VECI A.719 VECI A.719 VECI A.719 VECI A.719 VECI A.719 VECI A.719 VECI A.719 VECI A.719 VECI A.719			
Yes	Yes	No	No	2.5.2	3.3.1.169		N	169	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion	AMP XM6, "Water Chemistry," and AMP XM2, "One-Time Inspection"	No	VECI A.720 VECI A.720 VECI A.720 VECI A.720 VECI A.720 VECI A.720 VECI A.720 VECI A.720 VECI A.720 VECI A.720			
Yes	Yes	No	No	2.5.2	3.3.1.170		N	170	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion	AMP XM6, "Water Chemistry," and AMP XM2, "One-Time Inspection"	No	VECI A.721 VECI A.721 VECI A.721 VECI A.721 VECI A.721 VECI A.721 VECI A.721 VECI A.721 VECI A.721 VECI A.721			
Yes	Yes	No	No	2.5.2	3.3.1.171		N	171	BWRPWR	Aluminum piping, piping components exposed to air, indoor, outdoor, underground, raw water	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion	AMP XM6, "Water Chemistry," and AMP XM2, "One-Time Inspection"	No	VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722 VECI A.722			
Yes	Yes	No	No	2.5.2	3.3.1.172		N	172	BWRPWR	PVC piping, piping components exposed to air, outdoor	Reduction in impact strength due to photolysis	AMP XM6, "External Surface Monitoring of Mechanical Components"	No	VECI A.458 VECI A.458 VECI A.458 VECI A.458 VECI A.458 VECI A.458 VECI A.458 VECI A.458 VECI A.458 VECI A.458			
Yes	Yes	Yes	No	2.5.2	3.3.1.173		D	173					No				
Yes	Yes	Yes	No	2.5.2	3.3.1.174		D	174					No				
Yes	Yes	No	No	2.5.2	3.3.1.175		N	175	BWRPWR	Fiberglass piping, piping components, tanks exposed to raw water (for components not covered by NRC CL 89-13, closed-cycle cooling water)	Cracking, blistering, change in color due to water absorption	AMP XM6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VECI A.460 VECI A.460 VECI A.460 VECI A.460 VECI A.460 VECI A.460 VECI A.460 VECI A.460 VECI A.460 VECI A.460			
Yes	Yes	No	No	2.5.2	3.3.1.176		N	176	BWRPWR	Fiberglass piping, piping components, tanks exposed to raw water environment (for components not covered by NRC CL 89-13, closed-cycle cooling water)	Loss of material due to wear	AMP XM6, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VECI A.461 VECI A.461 VECI A.461 VECI A.461 VECI A.461 VECI A.461 VECI A.461 VECI A.461 VECI A.461 VECI A.461			
Yes	Yes	No	No	2.5.2	3.3.1.177		N	177	BWRPWR	Fiberglass piping, piping components exposed to soil	Loss of material due to wear	AMP XM1, "Buried and Underground Piping and Tanks"	No	VECI A.462			
Yes	Yes	No	No	2.5.2	3.3.1.178		N	178	BWRPWR	Fiberglass piping and piping components exposed to concrete	None	None	No	VECI A.710			
Yes	Yes	No	No	2.5.2	3.3.1.179		N	179	BWRPWR	Heavy water, structural fire barriers exposed to air	Cracking due to rebar shrinkage, creep, aggressive environment, loss of material, rusting, scaling and cracking due to freeze/thaw	AMP XM6, "Fire Protection," and AMP XS, "Moisture Walls"	No	VECI A.426			
Yes	Yes	Yes	No	2.5.2	3.3.1.180		D	180					No				
Yes	Yes	No	No	2.5.2	3.3.1.181		N	181	BWRPWR	Titanium piping, piping components exposed to condensation	None	None	No	VECI A.703			
Yes	Yes	No	No	2.5.2	3.3.1.182		N	182	BWRPWR	Non-metallic thermal insulation exposed to air, condensation	Reduced thermal insulation resistance due to mold/moisture infiltration	AMP XM6, "External Surface Monitoring of Mechanical Components"	No	VECI A.704			
Yes	Yes	No	No	2.5.2	3.3.1.183		N	183	BWRPWR	PVC piping, piping components, tanks exposed to air, condensation	None	None	No	VECI A.705			
Yes	Yes	No	No	2.5.2	3.3.1.184		N	184	BWRPWR	Aluminum fire water storage tanks exposed to air, condensation, soil, concrete, raw water	Cracking due to SCC	AMP XM7, "Fire Water System"	No	VECI A.623			
Yes	Yes	No	No	2.5.2	3.3.1.185		N	185	BWRPWR	Aluminum fire water storage tanks exposed to air, condensation, soil, concrete, raw water	Cracking due to SCC	AMP XM7, "Fire Water System"	No	VECI A.623			
Yes	Yes	No	No	2.5.2	3.3.1.186		N	186	BWRPWR	Aluminum tanks (within the scope of AMP XM2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to air, condensation, soil, concrete, raw water, waste water	Cracking due to SCC	AMP XM2, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP XM2, "One-Time Inspection," or AMP XM2, "Internal Coatings/Lining for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.3.2.2)	VECI A.463 VECI A.463 VECI A.463 VECI A.463 VECI A.463 VECI A.463 VECI A.463 VECI A.463 VECI A.463 VECI A.463			
Yes	Yes	No	No	2.5.2	3.3.1.187		D	187					No				
Yes	Yes	Yes	No	2.5.2	3.3.1.188		D	188	BWRPWR	Aluminum piping, piping components, tanks exposed to air, condensation, raw water, waste water	Cracking due to SCC	AMP XM2, "One-Time Inspection," AMP XM1, "Buried and Underground Piping and Tanks," or AMP XM2, "Internal Coatings/Lining for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.3.2.2)	VECI A.464 VECI A.464 VECI A.464 VECI A.464 VECI A.464 VECI A.464 VECI A.464 VECI A.464 VECI A.464 VECI A.464			
Yes	Yes	No	No	2.5.2	3.3.1.189		N	189	BWRPWR	Aluminum piping, piping components, tanks exposed to air, condensation, raw water, waste water	Cracking due to SCC	AMP XM2, "One-Time Inspection," AMP XM1, "Buried and Underground Piping and Tanks," or AMP XM2, "Internal Coatings/Lining for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.3.2.2)	VECI A.465 VECI A.465 VECI A.465 VECI A.465 VECI A.465 VECI A.465 VECI A.465 VECI A.465 VECI A.465 VECI A.465			
Yes	Yes	No	No	2.5.2	3.3.1.190		N	190	BWRPWR	Aluminum piping, piping components, tanks exposed to air, condensation, raw water, waste water	Cracking due to SCC	AMP XM2, "One-Time Inspection," AMP XM1, "Buried and Underground Piping and Tanks," or AMP XM2, "Internal Coatings/Lining for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.3.2.2)	VECI A.466 VECI A.466 VECI A.466 VECI A.466 VECI A.466 VECI A.466 VECI A.466 VECI A.466 VECI A.466 VECI A.466			
Yes	Yes	No	No	2.5.2	3.3.1.191		N	191	BWRPWR	Aluminum piping, piping components, tanks exposed to air, condensation, raw water, waste water	Cracking due to SCC	AMP XM2, "One-Time Inspection," AMP XM1, "Buried and Underground Piping and Tanks," or AMP XM2, "Internal Coatings/Lining for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.3.2.2)	VECI A.467 VECI A.467 VECI A.467 VECI A.467 VECI A.467 VECI A.467 VECI A.467 VECI A.467 VECI A.467 VECI A.467			
Yes	Yes	No	No	2.5.2	3.3.1.192		N	192	BWRPWR	Aluminum piping, piping components, tanks exposed to air, condensation, raw water, waste water	Cracking due to SCC	AMP XM2, "One-Time Inspection," AMP XM1, "Buried and Underground Piping and Tanks," or AMP XM2, "Internal Coatings/Lining for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.3.2.2)	VECI A.468 VECI A.468 VECI A.468 VECI A.468 VECI A.468 VECI A.468 VECI A.468 VECI A.468 VECI A.468 VECI A.468			
Yes	Yes	No	No	2.5.2	3.3.1.193		N	193	BWRPWR	Steel components exposed to treated water, raw water, waste water	Long term loss of material due to general corrosion	AMP XM2, "One-Time Inspection"	No	VECI A.439 VECI A.439 VECI A.439 VECI A.439 VECI A.439 VECI A.439 VECI A.439 VECI A.439 VECI A.439 VECI A.439			
Yes	Yes	No	No	2.5.2	3.3.1.194		N	194	BWRPWR	Steel components exposed to treated water, raw water, waste water	Long term loss of material due to general corrosion	AMP XM2, "One-Time Inspection"	No	VECI A.440 VECI A.440 VECI A.440 VECI A.440 VECI A.440 VECI A.440 VECI A.440 VECI A.440 VECI A.440 VECI A.440			
Yes	Yes	No	No	2.5.2	3.3.1.195		N	195	BWRPWR	Steel components exposed to treated water, raw water, waste water	Long term loss of material due to general corrosion	AMP XM2, "One-Time Inspection"	No	VECI A.441 VECI A.441 VECI A.441 VECI A.441 VECI A.441 VECI A.441 VECI A.441 VECI A.441 VECI A.441 VECI A.441			
Yes	Yes	No	No	2.5.2	3.3.1.196		N	196	BWRPWR	Steel components exposed to treated water, raw water, waste water	Long term loss of material due to general corrosion	AMP XM2, "One-Time Inspection"	No	VECI A.442 VECI A.442 VECI A.442 VECI A.442 VECI A.442 VECI A.442 VECI A.442 VECI A.442 VECI A.442 VECI A.442			
Yes	Yes	No	No	2.5.2	3.3.1.197		N	197	BWRPWR	Steel components exposed to treated water,							



Yes	Yes	No	No	3.3.1	3.3.1.199	N	200	SWR/PWR	Concrete steel structural bolting exposed to air	Loss of prestress due to autofrettage/loss of material due to general corrosion (pitting)	AMP X.M62 "Inspection of Overhead Haul Load and Light Load (Related to Refueling) Handling Systems"	No	W.B.A.750				
Yes	Yes	Yes	No	3.3.1	3.3.1.200	D	200	SWR/PWR	Stainless steel piping, piping components exposed to air	None	None	Yes (SRP-GLR Section 3.2.2.3)	W.J.A.750		W.E.A.750	W.E.3.750	W.E.3.750
Yes	Yes	No	No	3.3.1	3.3.1.203	N	203	SWR	Stainless steel, steel with stainless steel cladding, nickel alloy piping, piping components, heat exchanger components, tanks exposed to treated water, sodium perchlorate solution	Loss of material due to pitting, crevice corrosion, MIC	AMP X.M2, "Water Chemistry" and AMP X.M62, "One-Time Inspection"	No	W.A.A.750	W.E.A.750	W.E.3.750	W.E.3.750	
Yes	Yes	Yes	No	3.3.1	3.3.1.204	D	204	SWR/PWR	Insulated stainless steel piping, piping components, tanks exposed to air, condensation	Cracking due to SCC	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP X.M62, "One-Time Inspection," AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.3)	W.I.A.750	W.I.A.750	W.E.A.750	W.E.3.750	
Yes	Yes	No	No	3.3.1	3.3.1.205	N	205	SWR/PWR	Stainless steel, copper alloy, titanium heat exchanger tubes exposed to raw water (for components not covered by NRC CL 89-13)	Reduction of heat transfer due to fouling	AMP X.M62, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	W.C.T.A.750				
Yes	Yes	No	No	3.3.1	3.3.1.208	N	208	SWR/PWR	Concrete, concrete cylinder piping, reinforced concrete, asbestos cement, cementitious piping, piping components exposed to raw water (for components not covered by NRC CL 89-13)	Cracking due to chemical reaction, weathering, settlement, or corrosion of reinforcement (rebar/corroded concrete and loss of material due to delamination or efflorescence, scaling, spalling, cracking or infiltration, flow blockage due to fouling)	AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	W.C.T.A.752				
Yes	Yes	Yes	No	3.3.1	3.3.1.209	D	209	SWR/PWR	HDPE piping, piping components exposed to raw water (for components not covered by NRC CL 89-13)	Cracking, blocking, charring in color due to water absorption, flow blockage due to fouling	AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	W.C.T.A.759				
Yes	Yes	Yes	No	3.3.1	3.3.1.211	D	211	SWR/PWR	HDPE piping, piping components exposed to raw water (for components not covered by NRC CL 89-13)	Cracking, blocking, charring in color due to water absorption, flow blockage due to fouling	AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	W.C.T.A.759				
Yes	Yes	Yes	No	3.3.1	3.3.1.212	D	212	SWR/PWR	HDPE piping, piping components exposed to raw water (for components not covered by NRC CL 89-13)	Cracking, blocking, charring in color due to water absorption, flow blockage due to fouling	AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	W.C.T.A.759				
Yes	Yes	No	No	3.3.1	3.3.1.214	N	214	SWR/PWR	Copper alloy (15% Zn or 4% Al) piping, piping components exposed to air	Loss of material due to selective leaching	AMP X.M62, "Selective Leaching"	No	W.C.T.A.743	W.C.3.A.743	W.C.3.A.743	W.E.A.743	
Yes	Yes	No	No	3.3.1	3.3.1.215	N	215	SWR/PWR	Aluminum fire water storage tanks exposed to air, condensation, soil, concrete, raw water, treated water	Loss of material due to pitting, crevice corrosion	AMP X.M67, "Fire Water System"	No	W.C.T.A.744	W.C.3.A.744	W.C.3.A.744	W.E.A.744	
Yes	Yes	No	No	3.3.1	3.3.1.216	N	216	SWR/PWR	Stainless steel fire water storage tanks exposed to air, condensation, soil, concrete, raw water, treated water	Cracking due to SCC	AMP X.M67, "Fire Water System"	No	W.C.T.A.745				
Yes	Yes	Yes	No	3.3.1	3.3.1.217	D	217	SWR/PWR	Stainless steel fire water storage tanks exposed to air, condensation, soil, concrete, raw water, treated water	Loss of material due to pitting, crevice corrosion, MIC, weather and soil	AMP X.M67, "Fire Water System"	No	W.C.T.A.747				
Yes	Yes	No	No	3.3.1	3.3.1.218	N	218	SWR/PWR	Stainless steel fire water storage tanks exposed to air, condensation, soil, concrete, raw water, treated water	Cracking due to SCC	AMP X.M62, "Water Chemistry" and AMP X.M62, "One-Time Inspection"	No	W.F.1.A.748	W.F.2.A.748	W.F.3.A.748	W.F.3.A.748	
Yes	No	Yes	No	3.3.1	3.3.1.220	D	220	SWR/PWR	Stainless steel, nickel alloy tanks exposed to air, condensation (intermittent)	Loss of material due to pitting, crevice corrosion	AMP X.M62, "One-Time Inspection," AMP X.M68, "External Surfaces Monitoring of Mechanical Components," AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.4)	W.I.A.750	W.I.A.750	W.E.A.750	W.E.3.750	
Yes	Yes	No	No	3.3.1	3.3.1.222	D	222	SWR/PWR	Stainless steel, nickel alloy tanks exposed to air, condensation (intermittent)	Loss of material due to pitting, crevice corrosion	AMP X.M62, "One-Time Inspection," AMP X.M68, "External Surfaces Monitoring of Mechanical Components," AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.4)	W.I.A.750	W.I.A.750	W.E.A.750	W.E.3.750	
Yes	Yes	No	No	3.3.1	3.3.1.223	N	223	SWR/PWR	Aluminum underground piping, piping components, tanks	Loss of material due to pitting, crevice corrosion	AMP X.M62, "One-Time Inspection," AMP X.M61, "Buried and Underground Piping and Tanks," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.10)	W.I.A.752a	W.I.A.752b	W.E.A.752a	W.E.3.752a	
Yes	Yes	Yes	No	3.3.1	3.3.1.224	D	224	SWR/PWR	Aluminum tanks (within the scope of AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	W.I.A.755				
Yes	Yes	No	No	3.3.1	3.3.1.225	N	225	SWR/PWR	Aluminum tanks (within the scope of AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP X.M62, "One-Time Inspection," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.10)	W.C.3.A.756a	W.C.3.A.756b	W.E.A.756a	W.E.3.756a	
Yes	Yes	No	No	3.3.1	3.3.1.226	N	226	SWR/PWR	Aluminum tanks (within the scope of AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP X.M62, "One-Time Inspection," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.10)	W.C.3.A.756a	W.C.3.A.756b	W.E.A.756a	W.E.3.756a	
Yes	Yes	No	No	3.3.1	3.3.1.227	N	227	SWR/PWR	Aluminum tanks (within the scope of AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP X.M62, "One-Time Inspection," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.10)	W.C.3.A.756a	W.C.3.A.756b	W.E.A.756a	W.E.3.756a	
Yes	No	No	No	3.3.1	3.3.1.228	N	228	SWR/PWR	Stainless steel, nickel alloy tanks (within the scope of AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to air, condensation	Loss of material due to pitting, crevice corrosion, MIC	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP X.M62, "One-Time Inspection," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.4)	W.C.3.A.757a	W.C.3.A.757b	W.E.A.757a	W.E.3.757a	
Yes	Yes	No	No	3.3.1	3.3.1.229	N	229	SWR/PWR	Stainless steel tanks (within the scope of AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	W.C.3.A.758				
Yes	No	No	No	3.3.1	3.3.1.230	N	230	SWR/PWR	Stainless steel tanks (within the scope of AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," exposed to air, condensation	Cracking due to SCC	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	W.C.3.A.759				
Yes	Yes	No	No	3.3.1	3.3.1.231	N	231	SWR/PWR	Stainless steel tanks (within the scope of AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," exposed to air, condensation	Cracking due to SCC	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP X.M62, "One-Time Inspection," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.3)	W.C.3.A.760a	W.C.3.A.760b	W.E.A.760a	W.E.3.760a	
Yes	Yes	No	No	3.3.1	3.3.1.232	N	232	SWR/PWR	Insulated stainless steel, nickel alloy piping, piping components, tanks exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP X.M62, "One-Time Inspection," AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.4)	W.I.A.761a	W.I.A.761b	W.E.A.761a	W.E.3.761a	
Yes	Yes	No	No	3.3.1	3.3.1.233	N	233	SWR/PWR	Insulated aluminum piping, piping components, tanks exposed to air, condensation	Cracking due to SCC	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP X.M62, "One-Time Inspection," AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.3)	W.I.A.762a	W.I.A.762b	W.E.A.762a	W.E.3.762a	
Yes	Yes	No	No	3.3.1	3.3.1.234	N	234	SWR/PWR	Aluminum piping, piping components, tanks exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M62, "One-Time Inspection," AMP X.M61, "Buried and Underground Piping and Tanks," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.10)	W.I.A.763a	W.I.A.763b	W.E.A.763a	W.E.3.763a	
Yes	Yes	No	No	3.3.1	3.3.1.235	N	235	SWR/PWR	Steel, copper alloy, copper alloy (15% Zn or 4% Al) piping, piping components exposed to air, condensation	Loss of material due to general (steel only) pitting, crevice corrosion	AMP X.M62, "Compressed Air Monitoring"	No	W.D.A.764				
Yes	No	No	No	3.3.1	3.3.1.236	N	236	SWR/PWR	Titanium heat exchanger tubes exposed to treated water	Reduction of heat transfer due to fouling	AMP X.M2, "Water Chemistry" and AMP X.M62, "One-Time Inspection"	No	W.A.A.765	W.E.A.765	W.E.3.765	W.E.3.765	
Yes	Yes	No	No	3.3.1	3.3.1.237	N	237	SWR/PWR	Titanium (ASTM Grades 1, 2, 7, 11, or 12) heat exchanger components other than tubes, piping, piping components exposed to treated water	None	None	No	W.C.3.A.766				
Yes	Yes	No	No	3.3.1	3.3.1.238	N	238	SWR/PWR	Titanium heat exchanger tubes exposed to closed-cycle cooling water	Reduction of heat transfer due to fouling	AMP X.M61A, "Closed Treated Water Systems"	No	W.C.2.A.767	W.E.A.767	W.F.1.A.767	W.F.2.A.767	
Yes	Yes	No	No	3.3.1	3.3.1.239	N	239	SWR/PWR	Titanium (ASTM Grades 1, 2, 7, 11, or 12) heat exchanger components other than tubes, piping, piping components exposed to closed-cycle cooling water	None	None	No	W.C.2.A.768	W.E.A.768	W.F.1.A.768	W.F.2.A.768	
Yes	Yes	No	No	3.3.1	3.3.1.240	N	240	SWR/PWR	Aluminum heat exchanger components exposed to waste water	Loss of material due to pitting, crevice corrosion	AMP X.M62, "One-Time Inspection," AMP X.M68, "External Surfaces Monitoring of Mechanical Components," AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.10)	W.E.A.769a	W.E.A.769b	W.E.A.769a	W.E.A.769b	
Yes	Yes	No	No	3.3.1	3.3.1.241	N	241	SWR/PWR	Stainless steel, nickel alloy heat exchanger components exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M62, "One-Time Inspection," AMP X.M68, "External Surfaces Monitoring of Mechanical Components," AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.4)	W.F.1.A.770a	W.F.1.A.770b	W.F.1.A.770a	W.F.1.A.770b	
Yes	Yes	No	No	3.3.1	3.3.1.242	N	242	SWR/PWR	Aluminum heat exchanger components exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M62, "One-Time Inspection," AMP X.M68, "External Surfaces Monitoring of Mechanical Components," AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.10)	W.E.A.771a	W.E.A.771b	W.E.A.771a	W.E.A.771b	
Yes	Yes	Yes	No	3.3.1	3.3.1.243	D	243	SWR	Stainless steel, nickel alloy piping, piping components exposed to raw water, H2O2 (140°F)	Cracking due to SCC	AMP X.M62, "Water Chemistry" and AMP X.M62, "One-Time Inspection"	No	W.E.3.A.772	W.E.3.A.772			
Yes	Yes	No	No	3.3.1	3.3.1.245	N	245	SWR/PWR	Insulated aluminum piping, piping components, tanks exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP X.M62, "One-Time Inspection," AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.10)	W.I.A.774a	W.I.A.774b	W.E.A.774a	W.E.A.774b	
Yes	Yes	No	No	3.3.1	3.3.1.246	N	246	SWR/PWR	Stainless steel, nickel alloy underground piping, piping components, tanks	Loss of material due to pitting, crevice corrosion	AMP X.M62, "One-Time Inspection," AMP X.M61, "Buried and Underground Piping and Tanks," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.10)	W.I.A.776a	W.I.A.776b	W.E.A.776a	W.E.A.776b	
Yes	Yes	No	No	3.3.1	3.3.1.247	N	247	SWR/PWR	Aluminum piping, piping components, tanks exposed to raw water, waste water	Loss of material due to pitting, crevice corrosion	AMP X.M62, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP X.M62, "One-Time Inspection," AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components," or AMP X.M62, "Internal Coatings/Linings for In-Slope Piping, Pumping Components, Heat Exchangers, and Tanks"	Yes (SRP-GLR Section 3.2.2.10)	W.C.1.A.778a	W.C.1.A.778b	W.C.1.A.778a	W.C.1.A.778b	
Yes	Yes	No	No	3.3.1	3.3.1.248	N	248	SWR/PWR	Aluminum piping, piping components, tanks exposed to air, brackish water, sea water	None	None	No	W.C.1.A.779	W.F.1.A.779	W.F.3.A.779	W.F.3.A.779	
Yes	Yes	No	No	3.3.1	3.3.1.249	N	249	SWR/PWR	Steel heat exchanger tubes internal to components exposed to air-outdoor, air-indoor, uncontrolled, condensation	Loss of material due to general, pitting, crevice corrosion	AMP X.M68, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	W.C.1.A.778	W.F.1.A.778	W.F.3.A.778	W.F.3.A.778	



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[illegible]



Yes	Yes	No	No	3.4.1.070	3.4.1.070	N	072	SWRPNR	Stainless steel, steel, nickel alloy, copper alloy/closure tubing exposed to lubricating oil, treated water, heated borated water, raw water, waste water	Loss of material due to general (steel copper alloy) or low water, waste water only, pitting, crevice corrosion, MIC, raw water, waste water environments only)	AMP XMB, "Boiling Integrity"	No	VI04-S-416					
Yes	Yes	Yes	No	3.4.1.071	3.4.1.071	D	071	SWRPNR										
Yes	Yes	No	No	3.4.1.072	3.4.1.072	N	072	SWRPNR	Stainless steel, steel, aluminum piping, piping components, tanks exposed to soil, concrete	Cracking due to SCC (steel in carbonate/bicarbonate environment only)	AMP XMB1, "Buried and Underground Piping and Tanks"	No	VI04-S-420					
Yes	Yes	No	No	3.4.1.073	3.4.1.073	N	073	SWRPNR	Stainless steel, stainless tubing exposed to air, soil, concrete, underground raw water, waste water	Cracking due to SCC	AMP XMB, "Boiling Integrity"	No	VI04-S-421					
Yes	Yes	No	No	3.4.1.074	3.4.1.074	N	074	SWRPNR	Stainless steel underground piping, piping components, tanks	Cracking due to SCC	AMP XMB2, "One-Time Inspection," AMP XMB1, "Buried and Underground Piping and Tanks," or AMP XMB2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.4.2.2)	VI04-S-423a VI04-S-423b VI04-S-423c					
Yes	Yes	No	No	3.4.1.075	3.4.1.075	N	075	SWRPNR	Stainless steel, steel, aluminum, copper alloy, titanium heat exchanger tubes exposed to air, condensation	Reduction of heat transfer due to fouling	AMP XMB, "External Surface Monitoring of Mechanical Components"	No	VI04-S-426					
Yes	Yes	No	No	3.4.1.077	3.4.1.077	N	077	SWRPNR	Elastomer piping, piping components, seals exposed to air	Hardening or loss of strength due to degradation, MIC	AMP XMB, "External Surface Monitoring of Mechanical Components"	No	VI04-S-428					
Yes	Yes	No	No	3.4.1.078	3.4.1.078	N	078	SWRPNR	Elastomer piping, piping components, seals exposed to air, condensation	Hardening or loss of strength due to elastomer degradation	AMP XMB, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VI01-S-439 VI02-S-439 VI03-S-439					
Yes	Yes	Yes	No	3.4.1.080	3.4.1.080	D	080	SWRPNR	Steel components exposed to treated water, raw water	Long term loss of material due to general corrosion	AMP XMB2, "One-Time Inspection"	No	VI04-S-432 VI01-S-432 VI02-S-432 VI03-S-432 VI04-S-433					
Yes	Yes	No	No	3.4.1.081	3.4.1.081	N	081	SWRPNR	Steel components exposed to treated water, raw water	Long term loss of material due to general corrosion	AMP XMB2, "One-Time Inspection"	No	VI04-S-432 VI01-S-432 VI02-S-432 VI03-S-432 VI04-S-433					
Yes	Yes	No	No	3.4.1.082	3.4.1.082	N	082	SWRPNR	Stainless steel piping, piping components exposed to air	None	None	Yes (SRP-SLR Section 3.4.2.2)	VI04-S-435 VI01-S-435 VI02-S-435 VI03-S-435 VI04-S-436		VI01-S-13 VI01-S-13P-13			
Yes	Yes	No	No	3.4.1.083	3.4.1.083	N	083	SWRPNR	Stainless steel, nickel alloy/tanks exposed to treated water	Loss of material due to pitting, crevice corrosion, MIC	AMP XMB, "Water Chemistry," and AMP XMB2, "One-Time Inspection"	No	VI04-S-437 VI01-S-437 VI02-S-437 VI03-S-437 VI04-S-438		VI01-S-23P-43 VI01-S-23P-43P VI02-S-23P-43 VI03-S-23P-43 VI04-S-23P-43			
Yes	Yes	No	No	3.4.1.084	3.4.1.084	N	084	SWRPNR	Stainless steel, nickel alloy/tanks exposed to treated water	Loss of material due to pitting, crevice corrosion	AMP XMB, "Water Chemistry," and AMP XMB2, "One-Time Inspection"	No	VI04-S-437 VI01-S-437 VI02-S-437 VI03-S-437 VI04-S-438		VI01-S-23P-43 VI01-S-23P-43P VI02-S-23P-43 VI03-S-23P-43 VI04-S-23P-43			
Yes	Yes	No	No	3.4.1.085	3.4.1.085	N	085	SWRPNR	Stainless steel, nickel alloy piping, piping components, PWR heat exchanger components exposed to treated water	Loss of material due to pitting, crevice corrosion, MIC	AMP XMB, "Water Chemistry," and AMP XMB2, "One-Time Inspection"	No	VI04-S-437 VI01-S-437 VI02-S-437 VI03-S-437 VI04-S-438		VI01-S-23P-43 VI01-S-23P-43P VI02-S-23P-43 VI03-S-23P-43 VI04-S-23P-43			
Yes	Yes	No	No	3.4.1.086	3.4.1.086	N	086	SWRPNR	Stainless steel, steel, aluminum, copper alloy, titanium heat exchanger tubes internal to components exposed to air, condensation	Reduction of heat transfer due to fouling	AMP XMB, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VI04-S-433 VI01-S-433 VI02-S-433 VI03-S-433 VI04-S-434					
Yes	Yes	Yes	No	3.4.1.088	3.4.1.088	D	088	SWRPNR	Steel, stainless steel, copper alloy piping, piping components exposed to raw water (or components not covered by NRC GL 89-13)	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP XMB, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VI04-S-436 VI01-S-436 VI02-S-436 VI03-S-436 VI04-S-437					
Yes	Yes	No	No	3.4.1.090	3.4.1.090	N	090	SWRPNR	Steel, stainless steel, copper alloy heat exchanger tubes exposed to raw water (or components not covered by NRC GL 89-13)	Reduction of heat transfer due to fouling	AMP XMB, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VI04-S-437 VI01-S-437 VI02-S-437 VI03-S-437 VI04-S-438					
Yes	Yes	No	No	3.4.1.091	3.4.1.091	N	091	SWRPNR	Steel, stainless steel, copper alloy heat exchanger components exposed to raw water (or components not covered by NRC GL 89-13)	Loss of material due to general (steel, copper alloy only), pitting, crevice corrosion, MIC, flow blockage due to fouling	AMP XMB, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components"	No	VI04-S-437 VI01-S-437 VI02-S-437 VI03-S-437 VI04-S-438					
Yes	Yes	No	No	3.4.1.092	3.4.1.092	N	092	SWRPNR	Copper alloy (>15% Zn) or >6% Al piping, piping components exposed to soil	Loss of material due to selective leaching corrosion	AMP XMB3, "Selective Leaching"	No	VI01-S-439 VI02-S-439 VI03-S-439 VI04-S-439					
Yes	Yes	Yes	No	3.4.1.093	3.4.1.093	D	093	SWRPNR	Aluminum underground piping, piping components, tanks	Loss of material due to pitting, crevice corrosion	AMP XMB2, "One-Time Inspection," AMP XMB1, "Buried and Underground Piping and Tanks," or AMP XMB2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.4.2.2)	VI04-S-442a VI04-S-442b VI04-S-442c VI04-S-443					
Yes	Yes	No	No	3.4.1.095	3.4.1.095	N	095	SWRPNR	Stainless steel, nickel alloy underground piping, piping components, tanks	Loss of material due to pitting, crevice corrosion	AMP XMB2, "One-Time Inspection," AMP XMB1, "Buried and Underground Piping and Tanks," or AMP XMB2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.4.2.2)	VI04-S-443a VI04-S-443b VI04-S-443c VI04-S-444					
Yes	Yes	No	No	3.4.1.098	3.4.1.098	N	098	SWRPNR	Aluminum tanks (within the scope of AMP XMB2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to soil, concrete	Loss of material due to pitting, crevice corrosion	AMP XMB2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	VI04-S-444 VI04-S-445 VI04-S-446 VI04-S-447					
Yes	Yes	No	No	3.4.1.097	3.4.1.097	N	097	SWRPNR	Aluminum tanks (within the scope of AMP XMB2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP XMB2, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP XMB2, "One-Time Inspection," or AMP XMB2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.4.2.2)	VI04-S-444a VI04-S-444b VI04-S-444c VI04-S-445a VI04-S-445b VI04-S-446					
Yes	Yes	No	No	3.4.1.098	3.4.1.098	N	098	SWRPNR	Stainless steel, nickel alloy/tanks (within the scope of AMP XMB2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to air, condensation	Loss of material due to pitting, crevice corrosion	AMP XMB2, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP XMB2, "One-Time Inspection," or AMP XMB2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.4.2.2)	VI04-S-444a VI04-S-444b VI04-S-444c VI04-S-445a VI04-S-445b VI04-S-446					
Yes	Yes	No	No	3.4.1.099	3.4.1.099	N	099	SWRPNR	Stainless steel tanks (within the scope of AMP XMB2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to soil, concrete	Loss of material due to pitting, crevice corrosion, MIC, just only	AMP XMB2, "Outdoor and Large Atmospheric Metallic Storage Tanks"	No	VI04-S-447 VI04-S-448 VI04-S-449 VI04-S-450 VI04-S-451					
Yes	Yes	No	No	3.4.1.100	3.4.1.100	N	100	SWRPNR	Stainless steel tanks (within the scope of AMP XMB2, "Outdoor and Large Atmospheric Metallic Storage Tanks") exposed to air, condensation	Cracking due to SCC	AMP XMB2, "Outdoor and Large Atmospheric Metallic Storage Tanks," AMP XMB2, "One-Time Inspection," or AMP XMB2, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	Yes (SRP-SLR Section 3.4.2.2)	VI04-S-448a VI04-S-448b VI04-S-448c VI04-S-449a VI04-S-449b VI04-S-450a VI04-S-450b VI04-S-451a VI04-S-451b VI04-S-452a VI04-S-452b VI04-S-453a VI04-S-453b VI04-S-454a VI04-S-454b VI04-S-455a VI04-S-455b VI04-S-456a VI04-S-456b VI04-S-457a VI04-S-457b VI04-S-458a VI04-S-458b VI04-S-459a VI04-S-459b VI04-S-460a VI04-S-460b VI04-S-461a VI04-S-461b VI04-S-462a VI04-S-462b VI04-S-463a VI04-S-463b VI04-S-464a VI04-S-464b VI04-S-465a VI04-S-465b VI04-S-466a VI04-S-466b VI04-S-467a VI04-S-467b VI04-S-468a VI04-S-468b VI04-S-469a VI04-S-469b VI04-S-470a 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[illegible]



No	No	No	No	5.5.6	3.5.1.055		055	SWRPNR	Building concrete at locations of expansion and ground anchors; ground pads to support base plates	Reduction in concrete anchor capacity due to local concrete degradation/voids; induced cracking or other concrete aging mechanisms	AMP X.5.5, "Structures Monitoring"	No	RB1.1TP-42 RB1.2TP-42 RB1.3TP-42 RB2.1TP-42 RB3.1TP-42 RB4.1TP-42 RB5.1TP-42	55	RB1.1TP-42 RB1.2TP-42 RB1.3TP-42 RB2.1TP-42 RB3.1TP-42 RB4.1TP-42 RB5.1TP-42	RB1.1-17(26) RB1.1-17(26) RB1.3-17(26) RB2.1-17(26) RB3.1-17(26) RB4.1-17(26) RB5.1-17(26)			
Yes	No	No	Yes	5.5.4	3.5.1.056		E	056	SWRPNR	Concrete interior above- and below-grade foundation interior slab	Loss of material due to abrasion, oxidation	AMP X.5.7, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC/CIS Army Corp of Engineers dam inspections and maintenance programs	No	RAE.1T-20 RAE.1T-20	56	RAE.1T-20 RAE.1T-20	RAE.1T-20 RAE.1T-20		
Yes	No	No	No	5.5.2	3.5.1.057		M	057	SWRPNR	Constant and variable load spring hangers, guides, stops	Loss of mechanical function due to corrosion, distortion, dirt or debris accumulation, overload, wear	AMP X.5.5, "ASME Section XI Subsection IMF"	No	RB1.1T-28 RB1.2T-28 RB1.3T-28	57	RB1.1T-28 RB1.2T-28 RB1.3T-28	RB1.1-21(28) RB1.2-21(28) RB1.3-21(28)		
Yes	No	No	Yes	5.5.1	3.5.1.058		E	058	SWRPNR	Earthen water-control structures: dams, embankments, weirs, channels, canals and ponds	Loss of material: loss of form due to erosion, settlement, sedimentation, frost action, waves, currents, surface runoff, windload	AMP X.5.7, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC/CIS Army Corp of Engineers dam inspections and maintenance programs	No	RAE.1T-22 RAE.1T-22	58	RAE.1T-22 RAE.1T-22	RAE.1T-22 RAE.1T-22		
Yes	No	No	Yes	5.5.1	3.5.1.059		E	059	SWRPNR	Group 6: concrete (accessible areas) all	Cracking; loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X.5.7, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC/CIS Army Corp of Engineers dam inspections and maintenance programs	No	RAE.1P-38 RAE.1P-38	59	RAE.1P-38 RAE.1P-38	RAE.1T-18 RAE.1T-18		
Yes	No	No	Yes	5.5.1	3.5.1.060		E	060	SWRPNR	Group 6: concrete (accessible areas) exterior above- and below-grade foundation	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X.5.7, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC/CIS Army Corp of Engineers dam inspections and maintenance programs	No	RAE.1P-38 RAE.1P-38	60	RAE.1P-38 RAE.1P-38	RAE.1T-15 RAE.1T-15		
Yes	No	No	Yes	5.5.1	3.5.1.061		E	061	SWRPNR	Group 6: concrete (accessible areas) exterior above- and below-grade foundation, interior slab	Increase in porosity and permeability; loss of strength due to leaching of calcium hydroxide and carbonation	AMP X.5.7, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC/CIS Army Corp of Engineers dam inspections and maintenance programs	No	RAE.1P-37 RAE.1P-37	61	RAE.1P-37 RAE.1P-37	RAE.1T-16 RAE.1T-16		
Yes	No	No	Yes	5.5.1	3.5.1.062		E	062	SWRPNR	Group 6: Wooden Piles, sheeting	Loss of material: change in material properties due to weathering, chemical degradation, and insect infestation (wooded setting and drying, fungal decay)	AMP X.5.7, "Inspection of Water-Control Structures Associated with Nuclear Power Plants" or the FERC/CIS Army Corp of Engineers dam inspections and maintenance programs	No	RAE.1P-23 RAE.1P-23	62	RAE.1P-23 RAE.1P-23	N/A		
No	No	No	No	5.5.2	3.5.1.063		063	SWRPNR	Groups 1-3, 5, 7, 9: concrete (accessible areas) exterior above- and below-grade foundation	Increase in porosity and permeability; loss of strength due to leaching of calcium hydroxide and carbonation	AMP X.5.5, "Structures Monitoring"	No	RA1.1P-24 RA2.1P-24 RA3.1P-24 RA4.1P-24 RA5.1P-24 RA6.1P-24 RA7.1P-24 RA8.1P-24 RA9.1P-24	63	RA1.1P-24 RA2.1P-24 RA3.1P-24 RA4.1P-24 RA5.1P-24 RA6.1P-24 RA7.1P-24 RA8.1P-24 RA9.1P-24	RA1.1T-02 RA2.1T-02 RA3.1T-02 RA4.1T-02 RA5.1T-02 RA6.1T-02 RA7.1T-02 RA8.1T-02 RA9.1T-02			
No	No	No	No	5.5.1	3.5.1.064		064	SWRPNR	Groups 1-3, 5, 7, 9: concrete (accessible areas) exterior above- and below-grade foundation	Loss of material (spalling, scaling) and cracking due to freeze-thaw	AMP X.5.5, "Structures Monitoring"	No	RA1.1P-23 RA2.1P-23 RA3.1P-23 RA4.1P-23 RA5.1P-23 RA6.1P-23 RA7.1P-23 RA8.1P-23 RA9.1P-23	64	RA1.1P-23 RA2.1P-23 RA3.1P-23 RA4.1P-23 RA5.1P-23 RA6.1P-23 RA7.1P-23 RA8.1P-23 RA9.1P-23	RA1.1T-01 RA2.1T-01 RA3.1T-01 RA4.1T-01 RA5.1T-01 RA6.1T-01 RA7.1T-01 RA8.1T-01 RA9.1T-01			
No	No	No	No	5.5.1	3.5.1.065		065	SWRPNR	Groups 1-3, 5, 7, 9: concrete (accessible areas) below-grade exterior foundation, Groups 1-3, 5, 7, 9: concrete (accessible areas) below-grade exterior foundation, Group 6: concrete (accessible areas) all	Cracking; loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X.5.5, "Structures Monitoring"	No	RA1.1P-21 RA2.1P-21 RA3.1P-21 RA4.1P-21 RA5.1P-21 RA6.1P-21 RA7.1P-21 RA8.1P-21 RA9.1P-21 RA10.1P-21 RA11.1P-21 RA12.1P-21 RA13.1P-21 RA14.1P-21 RA15.1P-21 RA16.1P-21 RA17.1P-21 RA18.1P-21 RA19.1P-21 RA20.1P-21 RA21.1P-21 RA22.1P-21 RA23.1P-21 RA24.1P-21 RA25.1P-21 RA26.1P-21 RA27.1P-21 RA28.1P-21 RA29.1P-21 RA30.1P-21 RA31.1P-21 RA32.1P-21 RA33.1P-21 RA34.1P-21 RA35.1P-21 RA36.1P-21 RA37.1P-21 RA38.1P-21 RA39.1P-21 RA40.1P-21 RA41.1P-21 RA42.1P-21 RA43.1P-21 RA44.1P-21 RA45.1P-21 RA46.1P-21 RA47.1P-21 RA48.1P-21 RA49.1P-21 RA50.1P-21 RA51.1P-21 RA52.1P-21 RA53.1P-21 RA54.1P-21 RA55.1P-21 RA56.1P-21 RA57.1P-21 RA58.1P-21 RA59.1P-21 RA60.1P-21 RA61.1P-21 RA62.1P-21 RA63.1P-21 RA64.1P-21 RA65.1P-21 RA66.1P-21 RA67.1P-21 RA68.1P-21 RA69.1P-21 RA70.1P-21 RA71.1P-21 RA72.1P-21 RA73.1P-21 RA74.1P-21 RA75.1P-21 RA76.1P-21 RA77.1P-21 RA78.1P-21 RA79.1P-21 RA80.1P-21 RA81.1P-21 RA82.1P-21 RA83.1P-21 RA84.1P-21 RA85.1P-21 RA86.1P-21 RA87.1P-21 RA88.1P-21 RA89.1P-21 RA90.1P-21 RA91.1P-21 RA92.1P-21 RA93.1P-21 RA94.1P-21 RA95.1P-21 RA96.1P-21 RA97.1P-21 RA98.1P-21 RA99.1P-21 RA100.1P-21	65	RA1.1P-21 RA2.1P-21 RA3.1P-21 RA4.1P-21 RA5.1P-21 RA6.1P-21 RA7.1P-21 RA8.1P-21 RA9.1P-21 RA10.1P-21 RA11.1P-21 RA12.1P-21 RA13.1P-21 RA14.1P-21 RA15.1P-21 RA16.1P-21 RA17.1P-21 RA18.1P-21 RA19.1P-21 RA20.1P-21 RA21.1P-21 RA22.1P-21 RA23.1P-21 RA24.1P-21 RA25.1P-21 RA26.1P-21 RA27.1P-21 RA28.1P-21 RA29.1P-21 RA30.1P-21 RA31.1P-21 RA32.1P-21 RA33.1P-21 RA34.1P-21 RA35.1P-21 RA36.1P-21 RA37.1P-21 RA38.1P-21 RA39.1P-21 RA40.1P-21 RA41.1P-21 RA42.1P-21 RA43.1P-21 RA44.1P-21 RA45.1P-21 RA46.1P-21 RA47.1P-21 RA48.1P-21 RA49.1P-21 RA50.1P-21 RA51.1P-21 RA52.1P-21 RA53.1P-21 RA54.1P-21 RA55.1P-21 RA56.1P-21 RA57.1P-21 RA58.1P-21 RA59.1P-21 RA60.1P-21 RA61.1P-21 RA62.1P-21 RA63.1P-21 RA64.1P-21 RA65.1P-21 RA66.1P-21 RA67.1P-21 RA68.1P-21 RA69.1P-21 RA70.1P-21 RA71.1P-21 RA72.1P-21 RA73.1P-21 RA74.1P-21 RA75.1P-21 RA76.1P-21 RA77.1P-21 RA78.1P-21 RA79.1P-21 RA80.1P-21 RA81.1P-21 RA82.1P-21 RA83.1P-21 RA84.1P-21 RA85.1P-21 RA86.1P-21 RA87.1P-21 RA88.1P-21 RA89.1P-21 RA90.1P-21 RA91.1P-21 RA92.1P-21 RA93.1P-21 RA94.1P-21 RA95.1P-21 RA96.1P-21 RA97.1P-21 RA98.1P-21 RA99.1P-21 RA100.1P-21				
No	No	No	No	5.5.1	3.5.1.066		066	SWRPNR	Groups 1-5, 7, 9: concrete (accessible areas) interior and above-grade exterior	Cracking; loss of bond and loss of material (spalling, scaling) due to corrosion of embedded steel	AMP X.5.5, "Structures Monitoring"	No	RA1.1P-26 RA2.1P-26 RA3.1P-26 RA4.1P-26 RA5.1P-26 RA6.1P-26 RA7.1P-26 RA8.1P-26 RA9.1P-26 RA10.1P-26 RA11.1P-26 RA12.1P-26 RA13.1P-26 RA14.1P-26 RA15.1P-26 RA16.1P-26 RA17.1P-26 RA18.1P-26 RA19.1P-26 RA20.1P-26 RA21.1P-26 RA22.1P-26 RA23.1P-26 RA24.1P-26 RA25.1P-26 RA26.1P-26 RA27.1P-26 RA28.1P-26 RA29.1P-26 RA30.1P-26 RA31.1P-26 RA32.1P-26 RA33.1P-26 RA34.1P-26 RA35.1P-26 RA36.1P-26 RA37.1P-26 RA38.1P-26 RA39.1P-26 RA40.1P-26 RA41.1P-26 RA42.1P-26 RA43.1P-26 RA44.1P-26 RA45.1P-26 RA46.1P-26 RA47.1P-26 RA48.1P-26 RA49.1P-26 RA50.1P-26 RA51.1P-26 RA52.1P-26 RA53.1P-26 RA54.1P-26 RA55.1P-26 RA56.1P-26 RA57.1P-26 RA58.1P-26 RA59.1P-26 RA60.1P-26 RA61.1P-26 RA62.1P-26 RA63.1P-26 RA64.1P-26 RA65.1P-26 RA66.1P-26 RA67.1P-26 RA68.1P-26 RA69.1P-26 RA70.1P-26 RA71.1P-26 RA72.1P-26 RA73.1P-26 RA74.1P-26 RA75.1P-26 RA76.1P-26 RA77.1P-26 RA78.1P-26 RA79.1P-26 RA80.1P-26 RA81.1P-26 RA82.1P-26 RA83.1P-26 RA84.1P-26 RA85.1P-26 RA86.1P-26 RA87.1P-26 RA88.1P-26 RA89.1P-26 RA90.1P-26 RA91.1P-26 RA92.1P-26 RA93.1P-26 RA94.1P-26 RA95.1P-26 RA96.1P-26 RA97.1P-26 RA98.1P-26 RA99.1P-26 RA100.1P-26	66	RA1.1P-26 RA2.1P-26 RA3.1P-26 RA4.1P-26 RA5.1P-26 RA6.1P-26 RA7.1P-26 RA8.1P-26 RA9.1P-26 RA10.1P-26 RA11.1P-26 RA12.1P-26 RA13.1P-26 RA14.1P-26 RA15.1P-26 RA16.1P-26 RA17.1P-26 RA18.1P-26 RA19.1P-26 RA20.1P-26 RA21.1P-26 RA22.1P-26 RA23.1P-26 RA24.1P-26 RA25.1P-26 RA26.1P-26 RA27.1P-26 RA28.1P-26 RA29.1P-26 RA30.1P-26 RA31.1P-26 RA32.1P-26 RA33.1P-26 RA34.1P-26 RA35.1P-26 RA36.1P-26 RA37.1P-26 RA38.1P-26 RA39.1P-26 RA40.1P-26 RA41.1P-26 RA42.1P-26 RA43.1P-26 RA44.1P-26 RA45.1P-26 RA46.1P-26 RA47.1P-26 RA48.1P-26 RA49.1P-26 RA50.1P-26 RA51.1P-26 RA52.1P-26 RA53.1P-26 RA54.1P-26 RA55.1P-26 RA56.1P-26 RA57.1P-26 RA58.1P-26 RA59.1P-26 RA60.1P-26 RA61.1P-26 RA62.1P-26 RA63.1P-26 RA64.1P-26 RA65.1P-26 RA66.1P-26 RA67.1P-26 RA68.1P-26 RA69.1P-26 RA70.1P-26 RA71.1P-26 RA72.1P-26 RA73.1P-26 RA74.1P-26 RA75.1P-26 RA76.1P-26 RA77.1P-26 RA78.1P-26 RA79.1P-26 RA80.1P-26 RA81.1P-26 RA82.1P-26 RA83.1P-26 RA84.1P-26 RA85.1P-26 RA86.1P-26 RA87.1P-26 RA88.1P-26 RA89.1P-26 RA90.1P-26 RA91.1P-26 RA92.1P-26 RA93.1P-26 RA94.1P-26 RA95.1P-26 RA96.1P-26 RA97.1P-26 RA98.1P-26 RA99.1P-26 RA100.1P-26				
No	No	No	No	5.5.1	3.5.1.067		067	SWRPNR	Groups 1-5, 7, 9: Concrete interior above-grade exterior, Groups 1-3, 5, 7, 9: concrete (accessible areas) below-grade exterior foundation, Group 6: concrete (accessible areas) all	Increase in porosity and permeability; cracking; loss of material (spalling, scaling) due to aggressive chemical attack	AMP X.5.5, "Structures Monitoring"	No	RA1.1P-28 RA2.1P-28 RA3.1P-28 RA4.1P-28 RA5.1P-28 RA6.1P-28 RA7.1P-28 RA8.1P-28 RA9.1P-28 RA10.1P-28 RA11.1P-28 RA12.1P-28 RA13.1P-28 RA14.1P-28 RA15.1P-28 RA16.1P-28 RA17.1P-28 RA18.1P-28 RA19.1P-28 RA20.1P-28 RA21.1P-28 RA22.1P-28 RA23.1P-28 RA24.1P-28 RA25.1P-28 RA26.1P-28 RA27.1P-28 RA28.1P-28 RA29.1P-28 RA30.1P-28 RA31.1P-28 RA32.1P-28 RA33.1P-28 RA34.1P-28 RA35.1P-28 RA36.1P-28 RA37.1P-28 RA38.1P-28 RA39.1P-28 RA40.1P-28 RA41.1P-28 RA42.1P-28 RA43.1P-28 RA44.1P-28 RA45.1P-28 RA46.1P-28 RA47.1P-28 RA48.1P-28 RA49.1P-28 RA50.1P-28 RA51.1P-28 RA52.1P-28 RA53.1P-28 RA54.1P-28 RA55.1P-28 RA56.1P-28 RA57.1P-28 RA58.1P-28 RA59.1P-28 RA60.1P-28 RA61.1P-28 RA62.1P-28 RA63.1P-28 RA64.1P-28 RA65.1P-28 RA66.1P-28 RA67.1P-28 RA68.1P-28 RA69.1P-28 RA70.1P-28 RA71.1P-28 RA72.1P-28 RA73.1P-28 RA74.1P-28 RA75.1P-28 RA76.1P-28 RA77.1P-28 RA78.1P-28 RA79.1P-28 RA80.1P-28 RA81.1P-28 RA82.1P-28 RA83.1P-28 RA84.1P-28 RA85.1P-28 RA86.1P-28 RA87.1P-28 RA88.1P-28 RA89.1P-28 RA90.1P-28 RA91.1P-28 RA92.1P-28 RA93.1P-28 RA94.1P-28 RA95.1P-28 RA96.1P-28 RA97.1P-28 RA98.1P-28 RA99.1P-28 RA100.1P-28	67	RA1.1P-28 RA2.1P-28 RA3.1P-28 RA4.1P-28 RA5.1P-28 RA6.1P-28 RA7.1P-28 RA8.1P-28 RA9.1P-28 RA10.1P-28 RA11.1P-28 RA12.1P-28 RA13.1P-28 RA14.1P-28 RA15.1P-28 RA16.1P-28 RA17.1P-28 RA18.1P-28 RA19.1P-28 RA20.1P-28 RA21.1P-28 RA22.1P-28 RA23.1P-28 RA24.1P-28 RA25.1P-28 RA26.1P-28 RA27.1P-28 RA28.1P-28 RA29.1P-28 RA30.1P-28 RA31.1P-28 RA32.1P-28 RA33.1P-28 RA34.1P-28 RA35.1P-28 RA36.1P-28 RA37.1P-28 RA38.1P-28 RA39.1P-28 RA40.1P-28 RA41.1P-28 RA42.1P-28 RA43.1P-28 RA44.1P-28 RA45.1P-28 RA46.1P-28 RA47.1P-28 RA48.1P-28 RA49.1P-28 RA50.1P-28 RA51.1P-28 RA52.1P-28 RA53.1P-28 RA54.1P-28 RA55.1P-28 RA56.1P-28 RA57.1P-28 RA58.1P-28 RA59.1P-28 RA60.1P-28 RA61.1P-28 RA62.1P-28 RA63.1P-28 RA64.1P-28 RA65.1P-28 RA66.1P-28 RA67.1P-28 RA68.1P-28 RA69.1P-28 RA70.1P-28 RA71.1P-28 RA72.1P-28 RA73.1P-28 RA74.1P-28 RA75.1P-28 RA76.1P-28 RA77.1P-28 RA78.1P-28 RA79.1P-28 RA80.1P-28 RA81.1P-28 RA82.1P-28 RA83.1P-28 RA84.1P-28 RA85.1P-28 RA86.1P-28 RA87.1P-28 RA88.1P-28 RA89.1P-28 RA90.1P-28 RA91.1P-28 RA92.1P-28 RA93.1P-28 RA94.1P-28 RA95.1P-28 RA96.1P-28 RA97.1P-28 RA98.1P-28 RA99.1P-28 RA100.1P-28				
Yes	No	No	No	5.5.6	3.5.1.068		M	068	SWRPNR	High-strength steel structural bolting	Cracking due to SCC	AMP X.5.5, "ASME Section XI Subsection IMF"	No	RB1.1TP-41 RB1.1TP-41	68	RB1.1TP-41 RB1.1TP-41	RB1.1-17(27) RB1.1-17(27)		
Yes	No	Yes	No	5.5.2	3.5.1.069		Q	069	SWRPNR	Masonry walls: all	Cracking due to restraint shrinkage, creep, aggressive environment	AMP X.5.5, "Masonry Walls"	No	RA1.1T-12 RA2.1T-12 RA3.1T-12 RA4.1T-12 RA5.1T-12 RA6.1T-12 RA7.1T-12 RA8.1T-12 RA9.1T-12 RA10.1T-12 RA11.1T-12 RA12.1T-12 RA13.1T-12 RA14.1T-12 RA15.1T-12 RA16.1T-12 RA17.1T-12 RA18.1T-12 RA19.1T-12 RA20.1T-12 RA21.1T-12 RA22.1T-12 RA23.1T-12 RA24.1T-12 RA25.1T-12 RA26.1T-12 RA27.1T-12 RA28.1T-12 RA29.1T-12 RA30.1T-12 RA31.1T-12 RA32.1T-12 RA33.1T-12 RA34.1T-12 RA35.1T-12 RA36.1T-12 RA37.1T-12 RA38.1T-12 RA39.1T-12 RA40.1T-12 RA41.1T-12 RA42.1T-12 RA43.1T-12 RA44.1T-12 RA45.1T-12 RA46.1T-12 RA47.1T-12 RA48.1T-12 RA49.1T-12 RA50.1T-12 RA51.1T-12 RA52.1T-12 RA53.1T-12 RA54.1T-12 RA55.1T-12 RA56.1T-12 RA57.1T-12 RA58.1T-12 RA59.1T-12 RA60.1T-12 RA61.1T-12 RA62.1T-12 RA63.1T-12 RA64.1T-12 RA65.1T-12 RA66.1T-12 RA67.1T-12 RA68.1T-12 RA69.1T-12 RA70.1T-12 RA71.1T-12 RA72.1T-12 RA73.1T-12 RA74.1T-12 RA75.1T-12 RA76.1T-12 RA77.1T-12 RA78.1T-12 RA79.1T-12 RA80.1T-12 RA81.1T-12 RA82.1T-12 RA83.1T-12 RA84.1T-12 RA85.1T-12 RA86.1T-12 RA87.1T-12 RA88.1T-12 RA89.1T-12 RA90.1T-12 RA91.1T-12 RA92.1T-12 RA93.1T-12 RA94.1T-12 RA95.1T-12 RA96.1T-12 RA97.1T-12 RA98.1T-12 RA99.1T-12 RA100.1T-12	69	RA1.1T-12 RA2.1T-12 RA3.1T-12 RA4.1T-12 RA5.1T-12 RA6.1T-12 RA7.1T-12 RA8.1T-12 RA9.1T-12 RA10.1T-12 RA11.1T-12 RA12.1T-12 RA13.1T-12 RA14.1T-12 RA15.1T-12 RA16.1T-12 RA17.1T-12 RA18.1T-12 RA19.1T-12 RA20.1T-12 RA21.1T-12 RA22.1T-12 RA23.1T-12 RA24.1T-12 RA25.1T-12 RA26.1T-12 RA27.1T-12 RA28.1T-12 RA29.1T-12 RA30.1T-12 RA31.1T-12 RA32.1T-12 RA33.1T-12 RA34.1T-12 RA35.1T-12 RA36.1T-12 RA37.1T-12 RA38.1T-12 RA39.1T-12 RA40.1T-12 RA41.1T-12 RA42.1T-12 RA43.1T-12 RA44.1T-12 RA45.1T-12 RA46.1T-12 RA47.1T-12 RA48.1T-12 RA49.1T-12 RA50.1T-12 RA51.1T-12 RA52.1T-12 RA53.1T-12 RA54.1T-12 RA55.1T-12 RA56.1T-12 RA57.1T-12 RA58.1T-12 RA59.1T-12 RA60.1T-12 RA61.1T-12 RA62.1T-12 RA63.1T-12 RA64.1T-12 RA65.1T-12 RA66.1T-12 RA67.1T-12 RA68.1T-12 RA69.1T-12 			







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