Containments, Structures, and Component Supports

Material	Environment	Aging Effect/ Mechanism	Program
2. Penetratio	n sleeves, bellows, and dissimi	lar metal welds.	
Structure No	8010S01 Bldg 200: React	or Containment Building	
Carbon Steel	Containment Air	Cracking from Thermal Fatigue	10 CFR Part 50, Appendix J Program
	Containment Air	Cracking from Thermal Fatigue	ASME Section XI, Subsection IWE Program
	Indoor - Not Air Conditioned, Outdoo	r Cracking from Thermal Fatigue	10 CFR Part 50, Appendix J Program
Stainless Steel	Containment Air	Cracking from Thermal Fatigue	ASME Section XI, Subsection IWE Program
	Containment Air	Cracking from Thermal Fatigue	10 CFR Part 50, Appendix J Program
	Indoor - Not Air Conditioned, Outdoo	r Cracking from Thermal Fatigue	10 CFR Part 50, Appendix J Program

#### 3. Penetration sleeves, penetration bellows, and dissimilar metal welds

8010501

Structure No	8010S01	Bldg 200: Reactor C	Containment Building	
Carbon Steel	Borated Wat	ter Leaks	Loss of Material from Aggressive Chemical Attack	Boric Acid Corrosion Program
	Borated Wat	ter Leaks	Loss of Material from General Corrosion	Boric Acid Corrosion Program
	Containmen	t Air	Loss of Material from Galvanic Corrosion	ASME Section XI, Subsection IWE Program
	Containmen	t Air	Loss of Material from Galvanic Corrosion	10 CFR Part 50, Appendix J Program
	Containmen	t Air	Loss of Material from General Corrosion	10 CFR Part 50, Appendix J Program
	Containmen	t Air	Loss of Material from General Corrosion	ASME Section XI, Subsection IWE Program
	Indoor - Not	Air Conditioned	Loss of Material from Galvanic Corrosion	10 CFR Part 50, Appendix J Program
	Indoor - Not Air Conditioned		Loss of Material from General Corrosion	10 CFR Part 50, Appendix J Program
	Outdoor		Loss of Material from Galvanic Corrosion	10 CFR Part 50, Appendix J Program
	Outdoor		Loss of Material from General Corrosion	10 CFR Part 50, Appendix J Program
Stainless Steel	tainless Steel Treated Water (including stea		Loss of Material from Crevice Corrosion	ASME Section XI, Subsection IWE Program
	Treated Wat	ter (including steam)	Loss of Material from Crevice Corrosion	10 CFR Part 50, Appendix J Program
	Treated Wat	ter (including steam)	Loss of Material from Pitting Corrosion	ASME Section XI, Subsection IWE Program
	Treated Wat	ter (including steam)	Loss of Material from Pitting Corrosion	10 CFR Part 50, Appendix J Program

Containments, Structures, and Component Supports

Material	Environn	nent	Aging Effect/ Mechanism	Program
4. Personnel	airlock and e	equipment hatch		
Structure No	8010S01	Bldg 200: Reactor Cont	ainment Building	
Carbon Steel	Borated Wa	ter Leaks	Loss of Material from Aggressive Chemical Attack	Boric Acid Corrosion Program
	Borated Wa	ter Leaks	Loss of Material from General Corrosion	Boric Acid Corrosion Program
	Containmer	nt Air	Loss of Material from General Corrosion	ASME Section XI, Subsection IWE Program
	Containmer	nt Air	Loss of Material from General Corrosion	10 CFR Part 50, Appendix J Program
	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	ASME Section XI, Subsection IWE Program
	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	10 CFR Part 50, Appendix J Program
	Outdoor		Loss of Material from General Corrosion	10 CFR Part 50, Appendix J Program
	Outdoor		Loss of Material from General Corrosion	ASME Section XI, Subsection IWE Program
5. Personnel	airlock and e	equipment hatch		
Structure No	8010S01	Bldg 200: Reactor Cont	ainment Building	
Carbon Steel	Containmer	ıt Air	Loss of Material from Wear	10 CFR Part 50, Appendix J Program
6. Seals, gasl	kets, and moi	sture barriers		
Structure No	8010S01	Bldg 200: Reactor Cont	ainment Building	
Elastomers	Containmer	nt Air	Change in Material Properties from Elevated Temperature	10 CFR Part 50, Appendix J Program
	Containmer	nt Air	Change in Material Properties from Elevated Temperature	One-Time Inspection Program
	Containmer	nt Air	Change in Material Properties from Elevated Temperature	ASME Section XI, Subsection IWE Program
	Containmer	nt Air	Cracking from Elevated Temperature	10 CFR Part 50, Appendix J Program
	Containmer	nt Air	Cracking from Elevated Temperature	One-Time Inspection Program

Cracking from Elevated Temperature

7. Concrete elements: foundation, walls, dome.

Containment Air

ASME Section XI, Subsection IWE Program

Bldg 200: Reactor Containment Building

Containments, Structures, and Component Supports

Material	Environn	ent Aging Effect/ Mechanism	Program
7. Concrete e	elements:four	dation, walls, dome.	
Structure No	8010S01	Bldg 200: Reactor Containment Building	
Concrete	Buried	Change in Material Properties from Aggressive Che Attack	mical ASME Section XI, Subsection IWL Program
	Buried	Loss of Material from Aggressive Chemical Attack	ASME Section XI, Subsection IWL Program
	Buried	Loss of Material from Corrosion of Embedded Steel	ASME Section XI, Subsection IWL Program

### 12. Steel elements: liner plate, containment shell

8010501

Structure 140	0010501	Diug 200. Reactor Contain	intent Dunting	
Carbon Steel	Borated Water Leaks		Loss of Material from Aggressive Chemical Attack	Boric Acid Corrosion Program
	Borated Wat	ter Leaks	Loss of Material from General Corrosion	Boric Acid Corrosion Program
	Containmen	t Air	Loss of Material from Aggressive Chemical Attack	10 CFR Part 50, Appendix J Program
	Containmen	t Air	Loss of Material from Aggressive Chemical Attack	ASME Section XI, Subsection IWE Program
	Containmen	t Air	Loss of Material from Aggressive Chemical Attack	One-Time Inspection Program
	Containmen	t Air	Loss of Material from Crevice Corrosion	ASME Section XI, Subsection IWE Program
	Containment Air Containment Air Containment Air Containment Air		Loss of Material from Crevice Corrosion	One-Time Inspection Program
			Loss of Material from Crevice Corrosion	10 CFR Part 50, Appendix J Program
			Loss of Material from Galvanic Corrosion	ASME Section XI, Subsection IWE Program
			Loss of Material from Galvanic Corrosion	10 CFR Part 50, Appendix J Program
	Containmen	t Air	Loss of Material from General Corrosion	One-Time Inspection Program
	Containment Air Containment Air Containment Air Containment Air		Loss of Material from General Corrosion	10 CFR Part 50, Appendix J Program
			Loss of Material from General Corrosion	ASME Section XI, Subsection IWE Program
			Loss of Material from Pitting Corrosion	ASME Section XI, Subsection IWE Program
			Loss of Material from Pitting Corrosion	One-Time Inspection Program
	Containmen	t Air	Loss of Material from Pitting Corrosion	10 CFR Part 50, Appendix J Program

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Structure No.

Material	Environment		Aging Effect/ Mechanism	Program
16. All Group	os except Gro	up 6: accessible interior/e	exterior concrete & steel components	
Structure No	2080S01	Tank: Refueling Water St	orage	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	3010S01	Tank: Steam Generator B	lowdown	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	3070S01	Tank: Condensate Storage	2	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	4015S02	Bldg N/A: Intake Structur	e	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	4060S01	Bldg N/A: North Service	Water Header Enclosure	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	5100S01	Tank: Diesel Generator F	uel Oil Storage	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	5100S02	Tank: DS Diesel Fuel Oil		
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	5100S03	Tank: Diesel Fire Pump F	fuel Oil	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	6082S01	Bldg 310: EOF/TSC Secu	rity Emergency Diesel Generator Bldg	
Carbon Steel	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	6110S01	Bldg N/A: Security Lighti	ing	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program

Material	Environment		Aging Effect/ Mechanism	Program
16. All Group	s except Gro	up 6: accessible interior/	exterior concrete & steel components	
Structure No	8010S01	Bldg 200: Reactor Conta	inment Building	
Carbon Steel	Borated Wa	ter Leaks	Loss of Material from Aggressive Chemical Attack	Boric Acid Corrosion Program
	Borated Wa	ter Leaks	Loss of Material from General Corrosion	Boric Acid Corrosion Program
	Containmen	t Air	Loss of Material from General Corrosion	Structures Monitoring Program
	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8300S09	Bldg 210: Radwaste Bui	lding	
Carbon Steel	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8300S18	Bldg 340: Dedicated Shu	ttdown (DS) Diesel Generator Building	
Carbon Steel	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8300S36	Bldg 350: Turbine Build	ing	
Carbon Steel	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8300S44	Electrical Manholes and	Duct Banks	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8300S46	Bldgs 215, 220 and 225:	Fuel Handling Building	
Carbon Steel	Borated Wa	ter Leaks	Loss of Material from Aggressive Chemical Attack	Boric Acid Corrosion Program
	Borated Wa	ter Leaks	Loss of Material from General Corrosion	Boric Acid Corrosion Program
	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8300S48	Pipe Restraint Tower		
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program

Material	Environn	nent	Aging Effect/ Mechanism	Program
16. All Grouj	ps except Gro	oup 6: accessible interior/e	exterior concrete & steel components	
Structure No	8300S49	Concrete Trenches		
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8300S55	Bldg N/A: Miscellaneous	Yard Structures	
Carbon Steel	Outdoor	-	Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8320S01	Bldg 205: Reactor Auxili	ary Building	
Carbon Steel	Indoor - Not	t Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
17. Groups 1 foundation	-3, 5, 7-9: ina	ccessible concrete compo	nents, such as exterior walls below grade and	1
Structure No	2080S01	Tank: Refueling Water St	orage	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	3010S01	Tank: Steam Generator B	lowdown	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program

	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	3070S01	Tank: Condensate Storage		
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program

Material	Environn	nent	Aging Effect/ Mechanism	Program
17. Groups 14 foundation	-3, 5, 7-9: ina	ccessible concrete compon	ents, such as exterior walls below grade and	l
Concrete	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	4015S02	Bldg N/A: Intake Structure	:	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	4060S01	Bldg N/A: North Service V	Vater Header Enclosure	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	5100S01	Tank: Diesel Generator Fu	el Oil Storage	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	5100S02	Tank: DS Diesel Fuel Oil		
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	5100S03	Tank: Diesel Fire Pump Fu	el Oil	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program

Material	Environn	nent	Aging Effect/ Mechanism	Program
17. Groups 1 foundation	-3, 5, 7-9: ina	ccessible concrete compon	ents, such as exterior walls below grade and	1
Concrete	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	5100S04	Tanks: Unit 1 IC Fuel Oil	Storage Facility	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	5114S01	Bldg N/A: DSS-Main-XFl	MR	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	6082S01	Bldg 310: EOF/TSC Secu	rity Emergency Diesel Generator Bldg	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	6110S01	Bldg N/A: Security Lighti	ng	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	8010S01	Bldg 200: Reactor Contain	nment Building	

Material	Environn	nent	Aging Effect/ Mechanism	Program
17. Groups 1- foundation	-3, 5, 7-9: ina	ccessible concrete compon	ents, such as exterior walls below grade and	1
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	8300S09	Bldg 210: Radwaste Build	ing	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	8300S18	Bldg 340: Dedicated Shute	lown (DS) Diesel Generator Building	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	8300S36	Bldg 350: Turbine Buildin	g	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	8300S44	Electrical Manholes and D	uct Banks	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program

Material	Environm	ient	Aging Effect/ Mechanism	Program
17. Groups 1 foundation	-3, 5, 7-9: inac	ccessible concrete compon	ents, such as exterior walls below grade and	
Structure No	8300S46	Bldgs 215, 220 and 225: F	uel Handling Building	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	8300S48	Pipe Restraint Tower		
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	8300S49	Concrete Trenches		
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	8300S55	Bldg N/A: Miscellaneous	Yard Structures	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
Structure No	8320S01	Bldg 205: Reactor Auxilia	ry Building	
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Structures Monitoring Program
	Buried		Loss of Material from Aggressive Chemical Attack	Structures Monitoring Program

Material	Environment		Aging Effect/ Mechanism	Program
17. Groups 1 foundation	-3, 5, 7-9: inac	cessible concrete comp	onents, such as exterior walls below grade and	1
Concrete	Buried		Loss of Material from Corrosion of Embedded Steel	Structures Monitoring Program
18. Group 6:	all accessible/	inacce-ssible concrete,	steel, and earthen components	
Structure No	4045S01	Reservoir and Dam		
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Recommended Guidelines for Safety Inspections of D
	Raw Water		Loss of Material from Crevice Corrosion	Recommended Guidelines for Safety Inspections of D
	Raw Water		Loss of Material from General Corrosion	Recommended Guidelines for Safety Inspections of D
	Raw Water		Loss of Material from MIC	Recommended Guidelines for Safety Inspections of D
	Raw Water		Loss of Material from Pitting Corrosion	Recommended Guidelines for Safety Inspections of D
Concrete	Buried		Change in Material Properties from Aggressive Chemical Attack	Recommended Guidelines for Safety Inspections of D
	Buried		Loss of Material from Aggressive Chemical Attack	Recommended Guidelines for Safety Inspections of D
	Buried		Loss of Material from Corrosion of Embedded Steel	Recommended Guidelines for Safety Inspections of D
Earth/Soil	Outdoor		Loss of Form from Settlement	Recommended Guidelines for Safety Inspections of D
19. Group 5:	liners			
Structure No	8010S01	Bldg 200: Reactor Cont	ainment Building	
Stainless Steel	Treated Wate	er (including steam)	Loss of Material from Crevice Corrosion	Water Chemistry Program
	Treated Wate	er (including steam)	Loss of Material from Pitting Corrosion	Water Chemistry Program
Structure No	8300S46	Bldgs 215, 220 and 225	: Fuel Handling Building	

Structure No	0300340	Diugs 215, 220 aliu 225. Fi	d 223. Fuel Handling		
Stainless Steel	Treated Water (including steam)		Loss of Material from Crevice Corrosion	Water Chemistry Program	
	Treated Water	(including steam)	Loss of Material from Pitting Corrosion	Water Chemistry Program	

Material	Environn	nent	Aging Effect/ Mechanism	Program	
25. All Group bolted connec	os: support m ctions, etc.	embers: anchor bolts, con	crete surrounding anchor bolts, weld	s, grout pad,	
Structure No	2080S01	Tank: Refueling Water Sto	orage		
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	3010S01	Tank: Steam Generator Bl	owdown		
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	3070S01	Tank: Condensate Storage			-
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	4015S02	Bldg N/A: Intake Structure	•		-
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	4060S01	Bldg N/A: North Service V	Vater Header Enclosure		-
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Galvanized Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	5100S01	Tank: Diesel Generator Fu	el Oil Storage		-
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	<i>5100S02</i>	Tank: DS Diesel Fuel Oil			-
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	5100S03	Tank: Diesel Fire Pump Fu	iel Oil		-
Carbon Steel	Outdoor	_	Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	5100S04	Tanks: Unit 1 IC Fuel Oil	Storage Facility		
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	_

<u>Material</u>	Environm	ent	Aging Effect/ Mechanism	Program
25. All Group bolted connec	os: support m ctions, etc.	embers: anchor bolts, con	crete surrounding anchor bolts, welds, grou	t pad,
Structure No	5114S01	Bldg N/A: DSS-Main-XFM	1R	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	6082S01	Bldg 310: EOF/TSC Secur	ity Emergency Diesel Generator Bldg	
Carbon Steel	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
Elastomers	Indoor - Not	Air Conditioned	Change in Material Properties from Elevated Temperature	Structures Monitoring Program
	Indoor - Not	Air Conditioned	Cracking from Elevated Temperature	Structures Monitoring Program
Structure No	6110S01	Bldg N/A: Security Lightin	lg	
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8010S01	Bldg 200: Reactor Contain	ment Building	
Carbon Steel	Containmen	Air	Loss of Material from General Corrosion	Structures Monitoring Program
	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8300S09	Bldg 210: Radwaste Buildi	ng	
Carbon Steel	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8300S18	Bldg 340: Dedicated Shutd	own (DS) Diesel Generator Building	
Carbon Steel	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program
Structure No	8300S36	Bldg 350: Turbine Building	g 5	
Carbon Steel	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program
	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program

Containments, Structures, and Component Supports

Material	Environn	nent	Aging Effect/ Mechanism	Program	
25. All Groups: support members: anchor bolts, concrete surrounding anchor bolts, welds, grout pad, bolted connections, etc.					
Structure No	8300S44	Electrical Manholes and	Duct Banks		
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	8300S46	Bldgs 215, 220 and 225:	Fuel Handling Building		
Carbon Steel	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	8300S48	Pipe Restraint Tower			
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	8300S49	Concrete Trenches			
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	8300S55	Bldg N/A: Miscellaneous	s Yard Structures		
Carbon Steel	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Structure No	8320S01	Bldg 205: Reactor Auxili	iary Building		
Carbon Steel	Indoor - Not	Air Conditioned	Loss of Material from General Corrosion	Structures Monitoring Program	
	Outdoor		Loss of Material from General Corrosion	Structures Monitoring Program	
Elastomers	Indoor - Not	Air Conditioned	Change in Material Properties from Elevated Temperature	Structures Monitoring Program	
	Indoor - Not	Air Conditioned	Cracking from Elevated Temperature	Structures Monitoring Program	

#### 27. All Groups: support members: anchor bolts, welds

Structure No	8010S01	Bldg 200: Reactor C	Containment Building	
Carbon Steel	Borated Wa	ter Leaks	Loss of Material from Aggressive Chemical Attack	Boric Acid Corrosion Program
	Borated Wa	ter Leaks	Loss of Material from General Corrosion	Boric Acid Corrosion Program
	Containmen	t Air	Loss of Material from General Corrosion	Boric Acid Corrosion Program

Containments, Structures, and Component Supports

Material	Environment		Aging Effect/ Mechanism	Program		
27. All Groups: support members: anchor bolts, welds						
Carbon Steel	Containment Air, Bor	ated Water Leakage	Loss of Material from Aggressive Chemical Attack	Boric Acid Corrosion Program		
	Containment Air, Bor	ated Water Leakage	Loss of Material from General Corrosion	Boric Acid Corrosion Program		
Structure No	8300S46 Bld	gs 215, 220 and 225: ]	Fuel Handling Building			
Carbon Steel	Borated Water Leaks		Loss of Material from Aggressive Chemical Attack	Boric Acid Corrosion Program		
	Borated Water Leaks		Loss of Material from General Corrosion	Boric Acid Corrosion Program		
Structure No	8320S01 Bld	g 205: Reactor Auxili	ary Building			
Carbon Steel	Borated Water Leaks		Loss of Material from Aggressive Chemical Attack	Boric Acid Corrosion Program		
	Borated Water Leaks		Loss of Material from General Corrosion	Boric Acid Corrosion Program		

### 28. Groups B1.1, B1.2, and B1.3: support members: anchor bolts, welds, spring hangers, guides, stops, and vibration isolators

010301	Bldg 200: Reactor Containr	nent Building	
Containment Air I Containment Air I		Loss of Material from General Corrosion	One-Time Inspection Program
		Loss of Material from General Corrosion	ASME Section XI, Subsection IWF Program
Containment Air	r, Borated Water Leakage	Loss of Material from Aggressive Chemical Attack	One-Time Inspection Program
Containment Air	r, Borated Water Leakage	Loss of Material from General Corrosion	One-Time Inspection Program
300S36	Bldg 350: Turbine Building	5	
Indoor - Not Air	Conditioned	Loss of Material from General Corrosion	ASME Section XI, Subsection IWF Program
300S46	Bldgs 215, 220 and 225: Fu	el Handling Building	
Indoor - Not Air	Conditioned	Loss of Material from General Corrosion	ASME Section XI, Subsection IWF Program
8320S01 Bldg 205: Reactor Auxilian		y Building	
Indoor - Not Air	Conditioned	Loss of Material from General Corrosion	ASME Section XI, Subsection IWF Program
	Containment Air Containment Air Containment Air Containment Air Containment Air Containment Air 300S36 Indoor - Not Air 300S46 Indoor - Not Air 320S01 Indoor - Not Air	DI0501 Bidg 200: Reactor Containing   Containment Air Containment Air, Borated Water Leakage   Containment Air, Borated Water Leakage Containment Air, Borated Water Leakage   300S36 Bidg 350: Turbine Building   Indoor - Not Air Conditioned Bidgs 215, 220 and 225: Fu   300S46 Bidgs 215, 220 and 225: Fu   Indoor - Not Air Conditioned Bidg 205: Reactor Auxiliar   Indoor - Not Air Conditioned Bidg 205: Reactor Auxiliar	D10501 Bidg 200: Reactor Containment Building   Containment Air Loss of Material from General Corrosion   Containment Air, Borated Water Leakage Loss of Material from Aggressive Chemical Attack   Containment Air, Borated Water Leakage Loss of Material from General Corrosion   Containment Air, Borated Water Leakage Loss of Material from General Corrosion   300S36 Bldg 350: Turbine Building   Indoor - Not Air Conditioned Loss of Material from General Corrosion   300S46 Bldgs 215, 220 and 225: Fuel Handling Building   Indoor - Not Air Conditioned Loss of Material from General Corrosion   320S01 Bldg 205: Reactor Auxiliary Building   Indoor - Not Air Conditioned Loss of Material from General Corrosion