Overview of purpose of change: Revise AMP XI.M42 environments as follows: (a) add air and condensation environments to the scope of the program; (b) add soil, concrete, and underground external environments to the FSAR Supplement; and (c) correct inconsistencies for the lubricating oil environment. In addition, add new GALL-SLR line items for management of loss of coating/lining integrity and loss of material for piping, piping components, heat exchangers, tanks with internal coatings/linings exposed to air-dry by AMP XI.M42.

Basis Document Input: None

Document Changes:

SRP-SLR:

Modify the following SRP-SLR line items as follows:

3.2-1, 072	BWR/PWR	Any material piping, piping components, heat exchangers, tanks with internal coatings/linings exposed to closed-cycle cooling water, raw water, treated water, treated borated water, lubricating oil, condensation	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, rusting, or physical damage; loss of material or cracking for cementitious coatings/linings	AMP XI.M42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	V.A.E-401 V.B.E-401 V.C.E-401 V.D1.E-401 V.D2.E-401
3.2-1, 073	BWR/PWR	Any material piping, piping components, heat exchangers, tanks with internal coatings/linings exposed to closed-cycle cooling water, raw water, treated water, treated borated water, lubricating oil, condensation	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XI.M42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	V.A.E-414 V.B.E-414 V.C.E-414 V.D1.E-414 V.D2.E-414
3.3-1, 138	BWR/PWR	Any material piping, piping components, heat exchangers, tanks with internal coatings/linings exposed to closed-cycle cooling water, raw water, raw water (potable), treated water, treated borated water, fuel oil, lubricating oil, waste water, air-dry	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, rusting, or physical damage; loss of material or cracking for cementitious coatings/linings	AMP XI.M42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"	VII.C1.A-416 VII.C2.A-416 VII.C3.A-416 VII.D.A-416 VII.E4.A-416 VII.E5.A-416 VII.F1.A-416 VII.F2.A-416 VII.F3.A-416 VII.F4.A-416 VII.G.A-416 VII.H1.A-416 VII.H2.A-416

3.3-1,	BWR/PWR	Any material piping,	Loss of material	AMP XI.M42,	VII.C1.A-414
139		piping components,	due to general,	"Internal	VII.C2.A-414
		heat exchangers, tanks	pitting, crevice	Coatings/Linings for	VII.C3.A-414
		with internal	corrosion, MIC	In-Scope Piping,	VII.D.A-414
		coatings/linings		Piping Components,	VII.E4.A-414
		exposed to closed-		Heat Exchangers,	VII.E5.A-414
		cycle cooling water,		and Tanks"	VII.F1.A-414
		raw water, raw water			VII.F2.A-414
		(potable), treated			VII.F3.A-414
		water, treated borated			VII.F4.A-414
		water, fuel oil,			VII.G.A-414
		lubricating oil, waste			VII.H1.A-414
		water <mark>, air-dry</mark>			VII.H2.A-414

GALL-SLR:

1. Revise the AMP XI.M42 program description as follows:

Program Description: Proper maintenance of internal coatings/linings is essential to provide reasonable assurance that the intended functions of in-scope components are met. Degradation of coatings/linings can lead to loss of material or cracking of base materials and downstream effects such as reduction in flow, reduction in pressure, or reduction of heat transfer when coatings/linings become debris. The program consists of periodic visual inspections of internal coatings/linings exposed to closed-cycle cooling water (CCCW), raw water, treated water, treated borated water, waste water, fuel oil, and-lubricating oil, air, and condensation.

2. Revised the "scope of program" program element of AMP XI.M42 as follows:

Scope of Program: The scope of the program is internal coatings/linings for in-scope piping, piping components, heat exchangers, and tanks exposed to CCCW, raw water, treated water, treated borated water, waste water, fuel oil, and-lubricating oil, air, and condensation where loss of coating or lining integrity could prevent satisfactory accomplishment of any of the component's or downstream component's current licensing basis (CLB) intended functions identified under Title 10 of the Code of Federal Regulations (10 CFR) 54.4(a)(1), (a)(2), or (a)(3).

3. Revise the 1st paragraph of the FSAR Supplement as follows:

Table XI-01 F SAR Supplement Summaries for GALL-SLR Report Chapter XI Aging Management Programs							
AMP	GALL-SLR Program	Description of Program					
XI.M42	Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks	This program is a condition monitoring program that manages degradation of internal coatings/linings exposed to closed-cycle cooling water, raw water, treated water, treated borated water, waste water, lubricating oil, or-fuel oil, air,					

or condensation that can lead to loss of material of base materials or downstream effects such as reduction in flow, reduction in pressure or reduction of heat transfer when coatings/linings become debris. This program can also be used to manage loss of coating integrity for external coatings exposed to any air environment, or condensation, soil, concrete, or an underground environment credited with isolating the external surface of a component from the environment (e.g., SRP SLR Section 3.2.2.2.2).

4. Add the following new GALL-SLR line items to VII AUXILIARY SYSTEMS Table D Compressed Air System

VII.D.A- 416	3.3- 1, 138	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with an internal coating/lining	<u>Air-dry</u>	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, rusting, physical damage; loss of material or cracking for	AMP XI.M42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"
VII.D.A- 414	3.3- 1, 139	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with an internal coating/lining	Air-dry	cementitious coatings/linings Loss of material due to general, pitting, crevice corrosion, MIC	AMP XI.M42, "Internal Coatings/Linings for In-Scope Piping, Piping Components, Heat Exchangers, and Tanks"

5. Revise the following ENGINEERED SAFETY FEATURES GALL-SLR line items:

V.A.E-	3.2-	Piping, piping	Any material	Treated	Loss of coating	AMP XI.M42, "Internal
401	1,	components,	with an	borated	or lining	Coatings/Linings for In-
	072	heat	internal	water <mark>,</mark>	integrity due to	Scope Piping, Piping
		exchangers,	coating/lining	lubricating oil	blistering,	Components, Heat
		tanks with			cracking,	Exchangers, and Tanks"
		internal			flaking,	
		coatings/linings			peeling,	

V.A.E- 414	3.2- 1, 073	Piping, piping components, heat exchangers, tanks with internal	Any material with an internal coating/lining	Treated borated water, lubricating oil	delamination, rusting, physical damage; loss of material or cracking for cementitious coatings/linings Loss of material due to general, pitting, crevice corrosion, MIC	AMP XI.M42, "Internal Coatings/Linings for In- Scope Piping, Piping Components, Heat Exchangers, and Tanks"
V.B.E- 401	3.2- 1, 072	coatings/linings Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with an internal coating/lining	Treated water, raw 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 cementitious coatings/linings	AMP XI.M42, "Internal Coatings/Linings for In- Scope Piping, Piping Components, Heat Exchangers, and Tanks"
V.B.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, raw water, lubricating oil	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XI.M42, "Internal Coatings/Linings for In- Scope Piping, Piping Components, Heat Exchangers, and Tanks"
V.D1.E- 401	3.2- 1, 072	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with an internal coating/lining	Treated borated water, lubricating oil, condensation	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, rusting, physical damage; loss of material or cracking for cementitious coatings/linings	AMP XI.M42, "Internal Coatings/Linings for In- Scope Piping, Piping Components, Heat Exchangers, and Tanks"
V.D1.E- 414	3.2- 1, 073	Piping, piping components, heat exchangers, tanks with internal coatings/linings	Any material with an internal coating/lining	Treated borated water, lubricating oil, condensation	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XI.M42, "Internal Coatings/Linings for In- Scope Piping, Piping Components, Heat Exchangers, and Tanks"

V.D2.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, lubricating oil, condensation	Loss of coating or lining integrity due to blistering, cracking, flaking, peeling, delamination, rusting, physical damage; loss of material or cracking for cementitious coatings/linings	AMP XI.M42, "Internal Coatings/Linings for In- Scope Piping, Piping Components, Heat Exchangers, and Tanks"
V.D2.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, condensation	Loss of material due to general, pitting, crevice corrosion, MIC	AMP XI.M42, "Internal Coatings/Linings for In- Scope Piping, Piping Components, Heat Exchangers, and Tanks"