

## APPENDIX A

### LWR - PREOPERATIONAL TESTING PHASE

This Appendix describes the inspection program to verify systems and components important to safety of the plant are fully tested to demonstrate that they satisfy their design requirements.

Insp. Proc. No.	Inspection Procedure Title	Reactor Type*	Should Be Complete
<u>General</u>			
35301	Quality Assurance for Preoperational Testing	P/B	340-3
37301	Comparison of As-Built Plant to FSAR Description	P/B	340-1
70300 Review	Preoperational Test Procedure Test	P/B	**
70301	Overall Preoperational Test Program Review Requirements	P/B	305
70302	Preoperational Test Program Implementation	P/B	340-3
70311	Preoperational Testing Procedure Verification	P/B	340-3
70312	Preoperational Test Witnessing	P/B	**
70329	Preoperational Test Result Evaluation Verification	P/B	340
70370 Systems	Testing of Pipe Supports and Restraint	P/B	340
70400	Preoperational Test Results Evaluation	P/B	**

\*P = Pressurized Water Reactor; B = Boiling Water Reactor

\*\*Generic Procedure referenced by other inspection procedures within IE MC 2513

Insp. Proc. No.	Inspection Procedure Title	Reactor Type*	Should Be Complete
71302	Preoperational Test Program Implementation Verification	P/B	WK/M/Q
Mandatory Test Procedure Review			
70304	Engineered Safety Features Test	P/B	340-3
70305	Reactor Protection System Test	P/B	340-3
70306	Loss of Offsite Power Test	P/B	340-3
70307	Containment System: Integrated Leak Rate Test	P/B	340-3
70308	Integrated Hot Functional Test	P	340-3
70362	Reactor Coolant System Hydrostatic Test	P/B	320
Primal Test Procedure Review (Select 5 of the following)			
70331	Vibration Test	P/B	340-3
70332	Control Rod System Test	P/B	340-3
70333	Chemical Control System Test	P	340-3
70334	Engineered Safety Features Activation System Test	P/B	340-3
70335	Safety and Relief Valve Test	P/B	340-3
70336	Residual-Decay Heat Removal System Test	P/B	340-3
70337	Main Steam Isolation Valve Test	P/B	320
70338	Auxiliary Feedwater System Test	P	320
70339	Component Cooling Water System Test	P	320

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Insp. Proc. No.	Inspection Procedure Title	Reactor Type*	Should Be Complete
70340	DC Power System Test	P/B	340-3
70341	Emergency-Standby Power Supply System Test	P/B	340-3
70342	Containment System: Combustible Gas Control System Test	P/B	340-3
70343	Containment Spray System Test	P	340 3
70344	Containment Isolation Valve Test	P/B	330
70345	Containment Heating, Cooling, Ventilation System Test	P/B	340-3
70346	Auxiliary Building Heating, Cooling, Ventilation System Test	P	340-3
70347	Pressurizer and Level Control System Test	P	320
70348	Main Feedwater Control System Test	P/B	340-3
70349	Reactor Coolant Leak Detection System Test	P	340-3
70350	Loose Parts Monitoring System Test	P/B	340-3
70351	Integrated Reactor Control System Test	P	340-3
70352	Remote Reactor Shutdown Test	P/B	340-3
70353	Cranes, Hoists, and Lifting Equipment Test	P/B	340-3
70354	Nuclear Instrumentation System Test	P	340-3
70355	Compressed Gas System Test	P/B	340-3
70356	Standby Liquid Control System Test	B	340-3
70357	Reactor Core Isolation Cooling System Test	B	340-3

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Insp. Proc. No.	Inspection Procedure Title	Reactor Type*	Should Be Complete
70358	Reactor Building Heating Cooling Ventilation System Test	B	340-3
70359	Recirculation System Flow Control Test	B	340-3
70360	Manual Reactor Control System Test	B	340-3
70361	Traversing Incore Probe System Test	B	340-3

Mandatory Test Witnessing

70313	Containment System: Integrated Leak Rate Test	P/B	340-1
70314	Integrated Hot Functional Test	P	340-1
70315	Engineered Safety Features Test	P/B	340-1
70316	Loss of Offsite Power Test	P/B	340-1
70317	Reactor Protection System Test	P/B	340-1
70462	Reactor Coolant System Hydrostatic Test	P/B	320

Primal Test Witnessing  
(select 5 of the following)

70431	Vibration Test	P/B	340-1
70432	Control Rod System Test	P/B	340-1
70433	Chemical Control System Test	P	340-1
70434	Engineered Safety Features Activation System Test	P/B	340-1
70435	Safety and Relief Valve Test	P/B	340-1
70436	Residual-Decay Heat Removal System Test	P/B	340-1

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Insp. Proc. No.	Inspection Procedure Title	Reactor Type*	Should Be Complete
70437	Main Steam Isolation Valve Test	P/B	320
70438	Auxiliary Feedwater System Test	P	320
70439	Component Cooling Water System Test	P	320
70440	DC Power System Test	P/B	340-1
70441	Emergency-Standby Power Supply System Test	P/B	340-1
70442	Containment System: Combustible Gas Control System Test	P/B	340-1
70443	Containment Spray System Test	P	340-1
70444	Containment Isolation Valve Test	P/B	330
70445	Containment Heating, Cooling, Ventilation System Test	P/B	340-1
70446	Auxiliary Building Heating, Cooling, Ventilation System Test	P	340-1
70447	Pressurizer and Level Control System Test	P	320
70448	Main Feedwater Control System Test	P/B	340-1
70449	Reactor Coolant Leak Detection System Test	P	340-1
70450	Loose Parts Monitoring System Test	P/B	340-1
70451	Integrated Reactor Control System Test	P	340-1
70452	Remote Reactor Shutdown Test	P/B	340-1
70453	Cranes, Hoists, and Lifting Equipment Test	P/B	340-1

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Insp. Proc. No.	Inspection Procedure Title	Reactor Type*	Should Be Complete
70454	Nuclear Instrumentation System Test	P	340-1
70455	Compressed Gas System Test	P/B	340-1
70456	Standby Liquid Control System Test	B	340-1
70437	Main Steam Isolation Valve Test	P/B	320
70438	Auxiliary Feedwater System Test	P	320
70457	Reactor Core Isolation Cooling System Test	B	340-1
70458	Reactor Building Heating, Cooling, Ventilation System Test	B	340-1
70459	Recirculation System Flow Control Test	B	340-1
70460	Manual Reactor Control System Test	B	340-1
70461	Traversing Incore Probe System Test	B	340-1
	Mandatory Test Result Evaluation		
70322	Engineered Safety Features Test	P/B	340-1
70323	Containment System: Integrated Leak Rate Test	P/B	340-1
70324	Integrated Hot Functional Test	P	340
70325	Reactor Protection System Test	P/B	340-1
70326	Loss of Offsite Power Test	P/B	340
70562	Reactor Coolant System Hydrostatic Test	P/B	340-1

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