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SOUTHERN COMPANY

FEB 05 2010

Docket Nos.: 52-025
52-026

ND-10-0187

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Units 3 and 4 Combined License Application
Response to Bellefonte Units 3 and 4 Safety Evaluation Report Open Items for Chapter 3

Ladies and Gentlemen:

By letter dated March 28, 2008, Southern Nuclear Operating Company (SNC) submitted an application for combined licenses (COLs) for proposed Vogtle Electric Generating Plant (VEGP) Units 3 and 4 to the U.S. Nuclear Regulatory Commission (NRC) for two Westinghouse AP1000 reactor plants, in accordance with 10 CFR Part 52. As a result of the NRC's detailed review of the initial AP1000 Reference COL application (Bellefonte Units 3 and 4), the NRC has written a safety evaluation report (SER) with open items for the subject chapter. VEGP addressed some of the items in previous letters as indicated in the enclosure. VEGP is fully addressing Open Item 3.10-1 identified in the SER in the enclosure to this letter as the new Reference COL applicant. For completeness, each open item is identified, but responses are provided only for the items impacting standard information or otherwise resulting in standard changes for the AP1000 COL applications. The open items identified as plant specific will be addressed on the Bellefonte Units 3 and 4 docket by the Tennessee Valley Authority.

If you have any questions regarding this letter, please contact Mr. Wes Sparkman at (205) 992-5061 or Ms. Amy Aughtman at (205) 992-5805.

D092
NRO

Mr. J. A. (Buzz) Miller states he is an Executive Vice President of Southern Nuclear Operating Company, is authorized to execute this oath on behalf of Southern Nuclear Operating Company and to the best of his knowledge and belief, the facts set forth in this letter are true.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY

Joseph A. (Buzz) Miller

Sworn to and subscribed before me this 5th *day of* February, *2010*

Notary Public: Deborah A. Jaworke

My commission expires: October 24, 2012

JAM/BJS/dmw

Enclosure: Response to R-COLA SER with Open Items, Chapter 3

cc: Southern Nuclear Operating Company
Mr. J. H. Miller, III, President and CEO (w/o enclosure)
Mr. J. T. Gasser, Executive Vice President, Nuclear Operations (w/o enclosure)
Mr. D. H. Jones, Site Vice President, Vogtle 3 & 4 (w/o enclosure)
Mr. B. L. Ivey, Vice President, Nuclear Development Support (w/o enclosure)
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Mr. D. M. Lloyd, Vogtle 3 & 4 Project Support Director (w/o enclosure)
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Mr. C. R. Pierce, AP1000 Licensing Manager
Mr. M. J. Ajluni, Nuclear Licensing Manager
Mr. J. D. Williams, Vogtle 3 & 4 Site Support Manager
Mr. J. T. Davis, Vogtle 3 & 4 Site Licensing Manager
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Document Services RTYPE: AR01.1053
File AR.01.02.06

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Southern Nuclear Operating Company

ND-10-0187

Enclosure

Response to R-COLA SER with Open Items

Chapter 3

Open Item	Response
03.04-01	Plant-Specific – Bellefonte (not included)
03.06-01	Standard – Pending WEC OI submittal
03.09-01	Standard – See 12-14-2009 response
03.09-02	Standard – Pending WEC OI submittal
03.09-03	Standard – Pending WEC OI submittal
03.09-04	Standard – See 12-14-2009 response
03.09-05	Standard – See 01-12-2010 response
03.09-06	Standard – See 12-14-2009 response
03.10-01	Standard – See enclosed response
03.11-01	Standard – See 12-14-2009 response

Attachments / Enclosures	Pages Included
Table - AP1000 Seismic Category I and II Qualification Methods	52

eRAI Tracking No. 0653

NuStart Qb Tracking No. 3955

NRC SER OI Number 03.10-01:

In RAI 3.10-1, dated August 7, 2008, the applicant was requested to provide an implementation program, including milestones and completion dates with appropriate information submitted with sufficient time for staff review and approval prior to installation of the equipment, not prior to fuel loading, in accordance with Section C.I.3.10.4 of RG 1.206.

In its response, the applicant stated that details of the implementation milestones for the seismic and dynamic qualification program are not currently available, and are not expected to be available until after a detailed construction schedule of the plant has been developed.

Appropriate scheduling information will be provided, when available, to the NRC as necessary to support timely completion of their inspection and audit functions. Additionally, seismic and dynamic qualification is the subject of ITAAC, and 10 CFR 52.99(a) does not require that a schedule for implementing ITAAC be provided to the NRC until one year after issuance of the COL.

The NRC staff determined that the applicant's response to RAI 3.10-1 is not adequate because, in accordance with Section C.I.3.10.4 of RG 1.206, if the results of seismic and dynamic qualification is not available at the time of the COL application, the applicant is expected to submit the following before the issuance of the combined license: (1) descriptions of the implementation program such as identification of seismic qualification methods (Testing or Analysis) for each type of equipment, and (2) milestones for when the different aspects of the seismic qualification program will be complete - dates or condition should be such that the NRC staff will be able to audit the qualification results prior to the installation of the equipment (not before fuel loading as part of the ITAAC program). This is **Open Item 3.10-1**.

SNC Response:

Descriptions of the implementation program methods for seismic qualification of equipment are included in the AP1000 DCD, Section 3.10. In addition, the attached table provides the planned methods of seismic qualification for safety-related, seismic Category I equipment types listed in the AP1000 DCD, Tier 2, Chapter 3, Table 3.2-3.

In order to assure that the seismic qualification packages will be available to the NRC as necessary to support timely completion of their inspection and audit functions, a license condition is proposed to include the scheduling of availability of the seismic qualification packages.

An additional line item (next letter) will be added to COL Application Part 10, License Condition 6, as indicated in the COL Application Revisions section below. This change will be included in a future revision of the COL application.

This response is expected to be STANDARD for the S-COLAs.

Associated VEGP COL Application Revisions:

1. Revise COL Application Part 10, License Conditions, proposed license condition 6, final sentence introduction to the list from:

   This schedule shall address:

   To read:

   This schedule shall also address:

2. Revise COL Application Part 10, License Conditions, proposed license condition 6, to include an additional item of (where # is the next appropriate letter):

   #. the equipment seismic qualification results availability.

Attachment:

Table - AP1000 Seismic Category I and II Qualification Methods (52 pages) dated January 2010

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Method of Seismic Qualification		
						Analysis	Test	Combination
Compressed and Instrument Air System (CAS) Location: Various								
CAS-PL-V014	Instrument Air Supply Outside Containment Isolation	B	I	ASME III-2				X
CAS-PL-V015	Instrument Air Supply Inside Containment Isolation	B	I	ASME III-2				X
CAS-PL-V027	Containment Penetration Test Connection Isolation	B	I	ASME III-2		X		
CAS-PL-V204	Service Air Supply Outside Containment Isolation	B	I	ASME III-2		X		
CAS-PL-V205	Service Air Supply Inside Containment Isolation	B	I	ASME III-2				X
CAS-PL-V219	Containment Penetration Test Connection Isolation	B	I	ASME III-2		X		
CAS-PY-C02	Containment Instrument Air Inlet Penetration	B	I	ASME III, 2		X		
CAS-PY-C03	Containment Service Air Inlet Penetration	B	I	ASME III, 2		X		
Component Cooling Water System (CCS) Location: Auxiliary Building and Turbine Building								
CCS-PL-V200	CCS Containment Isolation Valve - Inlet Line ORC	B	I	ASME III-2				X
CCS-PL-V201	CCS Containment Isolation Valve - Inlet Line IRC	B	I	ASME III-2				X
CCS-PL-V207	CCS Containment Isolation Valve - Outlet Line IRC	B	I	ASME III-2				X
CCS-PL-V208	CCS Containment Isolation Valve - Outlet Line ORC	B	I	ASME III-2				X
CCS-PL-V209	Containment Isolation Valve Test Connection - Outlet Line	B	I	ASME III-2		X		
CCS-PL-220	CCS Containment Isolation Relief Valve	B	I	ASME III-2				X
CCS-PL-V257	Containment Isolation Valve Test Connection - Inlet Line	B	I	ASME III-2		X		
CCS-PY-C01	Containment Supply Header Penetration	B	I	ASME III, 2		X		
CCS-PY-C02	Containment Return Header Penetration	B	I	ASME III, 2		X		
Containment System (CNS) Location: Containment								

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
CNS-MV-01	Containment Vessel	B	I	ASME III, MC				X
CNS-MY-Y01	Equipment Hatch	B	I	ASME III, MC				X
CNS-MY-Y02	Maintenance Hatch	B	I	ASME III, MC				X
CNS-MY-Y03	Personnel Hatch - 135'-3"	B	I	ASME III, MC				X
CNS-MY-Y04	Personnel Hatch - 107'-2"	B	I	ASME III, MC				X
n/a	Spare Containment Penetrations	B	I	ASME III, MC		X		
Chemical and Volume Control System (CVS) Location: Containment, Auxiliary Building, and Annex Building								
CVS-PL-V001	RCS Purification Stop	A	I	ASME III-1				X
CVS-PL-V002	RCS Purification Stop	A	I	ASME III-1				X
CVS-PL-V003	RCS Purification Stop	C	I	ASME III-3				X
CVS-PL-V040	Resin Flush IRC Isolation	B	I	ASME III-2		X		
CVS-PL-V041	Resin Flush ORC Isolation	B	I	ASME III-2		X		
CVS-PL-V042	Flush Line Containment Isolation Relief	B	I	ASME III-2				X
CVS-PL-V045	Letdown Containment Isolation IRC	B	I	ASME III-2				X
CVS-PL-V046	Letdown Pressure Instrument Root	B	I	ASME III-2		X		
CVS-PL-V047	Letdown Containment Isolation ORC	B	I	ASME III-2				X
CVS-PL-V080	RCS Purification Return Line Check Valve	C	I	ASME III-3				X
CVS-PL-V081	RCS Purification Return Line Stop Valve	A	I	ASME III-1				X
CVS-PL-V082	RCS Purification Return Line Check Valve	A	I	ASME III-1				X
CVS-PL-V084	Auxiliary Pressurizer Spray Line Isolation	A	I	ASME III-1				X
CVS-PL-V085	Auxiliary Pressurizer Spray Line	A	I	ASME III-1				X
CVS-PL-V090	Makeup Line Containment Isolation	B	I	ASME III-2				X
CVS-PL-V091	Makeup Line Containment Isolation	B	I	ASME III-2				X
CVS-PL-V092	Hydrogen Add Containment Isolation	B	I	ASME III-2				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
CVS-PL-V094	Hydrogen Add IRC Isolation	B	I	ASME III-2				X
CVS-PL-V096	Hydrogen Add Containment Isolation Test Connection	B	I	ASME III-2		X		
CVS-PL-V100	Makeup Line Containment Isolation Relief	B	I	ASME III-2				X
CVS-PL-V136A	Demineralized Water System Isolation	C	I	ASME III-3				X
CVS-PL-V136B	Demineralized Water System Isolation	C	I	ASME III-3				X
CVS-PY-C01	Demineralizer Resin Flush Line Containment Penetration	B	I	ASME III, MC		X		
CVS-PY-C02	Letdown Line Containment Penetration	B	I	ASME III, 2		X		
CVS-PY-C03	Makeup Line Containment Penetration	B	I	ASME III, MC		X		
CVS-PY-C04	Hydrogen Add Line Containment Penetration	B	I	ASME III, 2		X		
Standby Diesel Fuel Oil System (DOS) Location: Diesel Generator Building and yard								
n/a	Ancillary Diesel Generator Fuel Tank	D	II	UL 142	Located in Annex Building	X		
Demineralized Water Transfer and Storage System (DWS) Location: Various								
DWS-PL-V244	Demineralized Water Supply Containment Isolation - Outside	B	I	ASME III-2		X		
DWS-PL-V245	Demineralized Water Supply Containment Isolation - Inside	B	I	ASME III-2				X
DWS-PL-V248	Containment Penetration Test Connection Isolation	B	I	ASME III-2		X		
DWS-PY-C01	Containment Demineralized Water Supply Penetration	B	I	ASME III, 2		X		
Electrical Distribution System (ECS) Location: Annex Building								
n/a	Ancillary Diesel Generator Engines	D	NS	Manufacturer Standard	Anchorage is SCII	X		
Fuel Handling and Refueling System (FHS) Location: Containment and Auxiliary Building								
FHS-FH-01	Refueling Machine	D	II	AISC		X		
FHS-FH-02	Fuel Handling Machine	D	II	AISC		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
FHS-FH-04	New Fuel Elevator	D	II	AISC		X		
FHS-FH-05	Fuel Transfer System	D	II	AISC		X		
FHS-FH-52	Spent Fuel Assembly Handling Tool	D	II	AISC		X		
FHS-FS-01	New Fuel Storage Rack	D	I	Manufacturer Std.		X		
FHS-FS-02	Spent Fuel Storage Rack	D	I	Manufacturer Std.		X		
FHS-FT-01	Fuel Transfer Tube	B	I	ASME III Class MC		X		
FHS-MT-01	Spent Fuel Pool	C	I	ACI 349	ACI 349	X		
FHS-MT-02	Fuel Transfer Canal	C	I	ACI 349	ACI 349 Evaluation of Structural Boundary Only	X		
FHS-MT-05	Spent Fuel Cask Loading Pit	C	I	ACI 349	ACI 349	X		
FHS-MT-06	Spent Fuel Cask Washdown Pit	C	I	ACI 349	ACI 349 Evaluation of Structural Boundary Only	X		
FHS-MY-Y01	Spent Fuel Transfer Gate	C	I	Manufacturer Std.		X		
FHS-MY-Y02	Spent Fuel Cask Loading Pit Gate	C	I	Manufacturer Std.		X		
FHS-PL-V001	Fuel transfer tube Isolation	C	I	ASME-III-3				X
FHS-PY-B01	Fuel Transfer Tube Blind Flange	B	I	ASME III-2		X		
Fire Protection System (FPS) Location: Various								
FPS-PL-V050	Fire Water Containment Supply Isolation	B	I	ASME III-2		X		
FPS-PL-V051	Fire Water Containment Test Connection Isolation	B	I	ASME III-2		X		
FPS-PL-V052	Fire Water Containment Supply Isolation - Inside	B	I	ASME III-2		X		
FPS-PY-C01	Fire Protection Containment Penetration	B	I	ASME III, 2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
						Method of Seismic Qualification		
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Analysis	Test	Combination
Containment standpipe and suppression system components	Includes all FPS components Inside Rector Containment with the exception of those used for containment isolation and containment spray	F	NS	ANSI B31.1	Seismic analysis consistent with ASME Section III Class 3 Systems	X		
Various	Auxiliary Building Standpipe and Non-1E Equipment Penetration Room Preaction Sprinkler System components	F	NS	ANSI B31.1	Seismic analysis consistent with ASME Section III Class 3 Systems	X		
Mechanical Handling System (MHS) Location: Various								
MHS-MH-01	Containment Polar Crane	C	I	NUREG-0554 supplemented by ASME NOG-1		X		
MHS-MH-02	Cask Handling Crane	C	I	NUREG-0554 supplemented by ASME NOG-1		X		
MHS-MH-05	Equipment Hatch Hoist	C	I	NUREG-0554 supplemented by ASME NOG-1		X		
MHS-MH-06	Maintenance Hatch Hoist	C	I	NUREG-0554 supplemented by ASME NOG-1		X		
Passive Containment Cooling System (PCS) Location: Containment Shield Building and Auxiliary Building								
PCS-MT-01	Passive Containment Cooling Water Storage Tank	C	I	ACI 349	See subsection 6.2.2.2.3 for additional design requirements	X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
						Method of Seismic Qualification		
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Analysis	Test	Combination
PCS-MT-03	Water Distribution Bucket	C	I	Manufacturer Std.	See subsection 6.2.2.2.3 for additional design requirements	X		
PCS-MT-04	Water Collection Troughs	C	I	Manufacturer Std.	See subsection 6.2.2.2.3 for additional design requirements	X		
PCS-MT-05	Passive Containment Cooling Ancillary Water Storage Tank	D	II	API 650		X		
PCS-MP-01A	PCS Recirculation Pump	D	NS	Hydraulic Institute Standards	Equipment anchorage is Seismic Category II	X		
PCS-MP-01B	PCS Recirculation Pump	D	NS	Hydraulic Institute Standards	Equipment anchorage is Seismic Category II	X		
PCS-PL-V001A	PCCWST Isolation	C	I	ASME III-3				X
PCS-PL-V001B	PCCWST Isolation	C	I	ASME III-3				X
PCS-PL-V001C	PCCWST Isolation	C	I	ASME III-3				X
PCS-PL-V002A	PCCWST Series Isolation	C	I	ASME III-3				X
PCS-PL-V002B	PCCWST Series Isolation	C	I	ASME III-3				X
PCS-PL-V002C	PCCWST Series Isolation	C	I	ASME III-3				X
PCS-PL-V005	PCCWST Supply to FPS	C	I	ASME III-3				X
PCS-PL-V009	Spent Fuel Pool Emergency Makeup Isolation Valve	C	I	ASME III-3				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
						Method of Seismic Qualification		
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Analysis	Test	Combination
PCS-PL-V010A	Flow Transmitter FT001 Root Valve	C	I	ASME III-3		X		
PCS-PL-V010B	Flow Transmitter FT001 Root Valve	C	I	ASME III-3		X		
PCS-PL-V011A	Flow Transmitter FT002 Root Valve	C	I	ASME III-3		X		
PCS-PL-V011B	Flow Transmitter FT002 Root Valve	C	I	ASME III-3		X		
PCS-PL-V012A	Flow Transmitter FT003 Root Valve	C	I	ASME III-3		X		
PCS-PL-V012B	Flow Transmitter FT003 Root Valve	C	I	ASME III-3		X		
PCS-PL-V013A	Flow Transmitter FT004 Root Valve	C	I	ASME III-3		X		
PCS-PL-V013B	Flow Transmitter FT004 Root Valve	C	I	ASME III-3		X		
PCS-PL-V015	Water Bucket Makeup Line Drain Valve	C	I	ASME III				X
PCS-PL-V016	PCCWST Drain Isolation Valve	C	I	ASME III-3		X		
PCS-PL-V017	Chemical Addition Tank Vent Isolation Valve	D	NS	ANSI 16.34	Equipment Anchorage is Seismic Category II	X		
PCS-PL-V018	Recirculation Pump Throttle Valve	D	NS	ANSI 16.34	Equipment anchorage is Seismic Category II	X		
PCS-PL-V019	Chemical Addition Tank Fill Isolation Valve	D	NS	ANSI 16.34	Equipment Anchorage is Seismic Category II	X		
PCS-PL-V020	Water Bucket Makeup Line Isolation Valve	C	I	ASME III-3				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
						Method of Seismic Qualification		
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Analysis	Test	Combination
PCS-PL-V021	PCCWST TO Recirculation Pump Suction Isolation Valve	D	NS	ANSI 16.34	Equipment anchorage is Seismic Category II	X		
PCS-PL-V022	Chemical Addition Tank Drain Isolation Valve	D	NS	ANSI 16.34	Equipment Anchorage is Seismic Category II	X		
PCS-PL-V023	PCS Recirculation Return Isolation	C	I	ASME III-3				X
PCS-PL-V025	Pressure Transmitter PT 031 Root Isolation Valve	D	NS	ANSI 16.34	Equipment Anchorage is Seismic Category II	X		
PCS-PL-V029	PCCWST Isolation Valve Leakage Detection Drain	C	I	ASME III-3		X		
PCS-PL-V030	PCCWST Isolation Valve Leakage Detection Crossconnect Valve	C	I	ASME III-3		X		
PCS-PL-V031A	Level Transmitter LT 016 & 010 Root Isolation Valve	C	I	ASME III-3		X		
PCS-PL-V031B	Level Transmitter LT 015 & 011 Root Isolation Valve	C	I	ASME III-3		X		
PCS-PL-V033	Recirculation Pump Suction from Long Term Makeup Isolation Valve	C	I	ASME III-3		X		
PCS-PL-V035A	Recirculation Pump Suction Isolation Valve	D	NS	ANSI 16.34	Equipment anchorage is Seismic Category II	X		
PCS-PL-V035B	Recirculation Pump Suction Isolation Valve	D	NS	ANSI 16.34	Equipment anchorage is Seismic Category II	X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
						Method of Seismic Qualification		
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Analysis	Test	Combination
PCS-PL-V036A/B	Recirculation Pump Discharge Check Valve	D	NS	ANSI 16.34	Equipment anchorage is Seismic Category II	X		
PCS-PL-V037	PCCAWST Discharge Isolation Valve	D	NS	ANSI 16.34	Equipment anchorage is Seismic Category II	X		
PCS-PL-V038	PCCAWST Drain Isolation Valve	D	NS	ANSI 16.34	Equipment anchorage is Seismic Category II	X		
PCS-PL-V039	PCCWST Long-Term Makeup Check Valve	C	I	ASME III-3				X
PCS-PL-V040	Recirculation Pump Suction from PCCAWST Isolation Valve	D	NS	ANSI 16.34	Equipment Anchorage is Seismic Category II	X		
PCS-PL-V041	PCCAWST Recirculation Return Line Isolation Valve	D	NS	ANSI 16.34	Equipment Anchorage is Seismic Category II	X		
PCS-PL-V042	PCCWST Long-Term Makeup Isolation Drain Valve	C	I	ASME III-3	PCS-PL-V043			X
PCS-PL-V043	PCCAWST Recirculation Return Line Drain Isolation Valve	D	NS	ANSI 16.34	Equipment Anchorage is Seismic Category II	X		
PCS-PL-V044	PCCWST Long-Term Makeup Isolation Valve	C	I	ASME III-3				X
PCS-PL-V045	Emergency Makeup to the Spent Fuel Pool Isolation Valve	C	I	ASME III-3				X
PCS-PL-V046	PCCWST Recirculation Return Isolation Valve	C	I	ASME III-3				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
PCS-PL-V048	Recirculation Pump Fire Suction Isolation Valve	D	NS	ANSI 16.34	Seismically analyzed for operability	X		
PCS-PL-V049	Emergency Makeup to the Spent Fuel Pool Drain Isolation Valve	C	I	ASME III-3				X
PCS-PL-V050	Spent Fuel Pool Long Term Makeup Isolation Valve	C	I	ASME III-3				X
PCS-PL-V051	Spent Fuel Pool Emergency Makeup Lower Isolation	C	I	ASME III-3				X
PCS-PL-V052	Spent Fuel Pool Emergency Makeup Isolation Valve	C	I	ASME III-3		X		
PCS-PL-V100	Temporary Containment Washdown Isolation Valve	D	NS	ANSI 16.34	Equipment Anchorage is Seismic Category II	X		
PCS-PY-B01	Spent Fuel Pool Emergency Makeup Isolation	C	I	ASME III-3		X		
Primary Sampling System (PSS) Location: Containment and Auxiliary Building								
PSS-PL-V001A	Hot Leg Sample Isolation	B	I	ASME III-2		X		
PSS-PL-V001B	Hot Leg Sample Isolation	B	I	ASME III-2		X		
PSS-PL-V003	Pressurizer Liquid Isolation	B	I	ASME III-2		X		
PSS-PL-V004A	PXS Accumulator Sample Isolation	C	I	ASME III-3		X		
PSS-PL-V004B	PXS Accumulator Sample Isolation	C	I	ASME III-3		X		
PSS-PL-V005A	PXS CMT A Sample Isolation	B	I	ASME III-2		X		
PSS-PL-V005B	PXS CMT B Sample Isolation	B	I	ASME III-2		X		
PSS-PL-V005C	PXS CMT A Sample Isolation	B	I	ASME III-2		X		
PSS-PL-V005D	PXS CMT B Sample Isolation	B	I	ASME III-2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
PSS-PL-V008	Containment Air Sample Containment Isolation IRC	B	I	ASME III-2				X
PSS-PL-V010A	Liquid Sample Line Containment Isolation IRC	B	I	ASME III-2				X
PSS-PL-V010B	Liquid Sample Line Containment Isolation IRC	B	I	ASME III-2				X
PSS-PL-V011	Liquid Sample Line Containment Isolation ORC	B	I	ASME III-2				X
PSS-PL-V012A	Liquid Sample Check Valve	C	I	ASME III-3		X		
PSS-PL-V012B	Liquid Sample Check Valve	C	I	ASME III-3		X		
PSS-PL-V023	Sample Return Line Containment Isolation ORC	B	I	ASME III-2				X
PSS-PL-V024	Sample Return Containment Isolation Check IRC	B	I	ASME III-2				X
PSS-PL-V046	Air Sample Line Containment Isolation ORC	B	I	ASME III-2				X
PSS-PL-V076A	Containment Testing Boundary Isolation Valve	C	I	ASME III-3		X		
PSS-PL-V076B	Containment Testing Boundary Isolation Valve	C	I	ASME III-3		X		
PSS-PL-V082	Containment Isolation Test Connection Isolation Valve	C	I	ASME III-3		X		
PSS-PL-V083	Containment Isolation Test Connection Isolation Valve	C	I	ASME III-3		X		
PSS-PL-V085	Containment Isolation Test Connection Isolation Valve	B	I	ASME III-2		X		
PSS-PL-V086	Containment Isolation Test Connection Isolation Valve	C	I	ASME III-3		X		
PSS-PY-C01	Common Primary Sample Line Penetration	B	I	ASME III, MC		X		
PSS-PY-C02	Containment Atmosphere Sample Line Penetration	B	I	ASME III, MC		X		
PSS-PY-C03	Containment Atmosphere Sample Line Penetration	B	I	ASME III, 2		X		
Potable Water System (PWS) Location: Various								

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
PWS-PL-V018	MCR Potable Water Inlet Check Valve	B	I	ASME III-2				X
PWS-PL-V420	PWS MCR Isolation Valve	B	I	ASME III-2				X
Passive Core Cooling System (PXS) Location: Containment								
PXS-ME-01	Passive Residual Heat Removal Heat Exchanger	A	I	ASME III-1		X		
PXS-MT-01A	Accumulator Tank A	C	I	ASME III-3		X		
PXS-MT-01B	Accumulator Tank B	C	I	ASME III-3		X		
PXS-MT-02A	Core Makeup Tank A	A	I	ASME III-1		X		
PXS-MT-02B	Core Makeup Tank B	A	I	ASME III-1		X		
PXS-MT-03	In-Containment Refueling Water Storage Tank	C	I	ACI 349/AISC N690	ACI 349 Is Used for Evaluation of Structural Boundary	X		
PXS-MT-04	IRWST Gutter	C	I	Manufacturer Std.		X		
PXS-MW-01A	Reactor Coolant Depressurization Sparger A	C	I	ASME III-3		X		
PXS-MW-01B	Reactor Coolant Depressurization Sparger B	C	I	ASME III-3		X		
PXS-MY-Y01A	IRWST Screen A	C	I	Manufacturer Std.		X		
PXS-MY-Y01B	IRWST Screen B	C	I	Manufacturer Std.		X		
PXS-MY-Y02A	Containment Recirculation Screen A	C	I	Manufacturer Std.		X		
PXS-MY-Y02B	Containment Recirculation Screen B	C	I	Manufacturer Std.		X		
PXS-MY-Y03A	pH Adjustment Basket A	C	I	Manufacturer Std.		X		
PXS-MY-Y03B	pH Adjustment Basket B	C	I	Manufacturer Std.		X		
PXS-MY-Y03C	pH Adjustment Basket C	C	I	Manufacturer Std.		X		
PXS-MY-Y03D	pH Adjustment Basket D	C	I	Manufacturer Std.		X		
PXS-PL-V002A	CMT A CL Inlet Isolation	A	I	ASME III-1		X		
PXS-PL-V002B	CMT B CL Inlet Isolation	A	I	ASME III-1		X		
PXS-PL-V010A	CMT A Upper Sample	B	I	ASME III-2		X		
PXS-PL-V010B	CMT B Upper Sample	B	I	ASME III-2		X		
PXS-PL-V011A	CMT A Lower Sample	B	I	ASME III-2		X		
PXS-PL-V011B	CMT B Lower Sample	B	I	ASME III-2		X		
PXS-PL-V012A	CMT A Drain	A	I	ASME III-1		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
PXS-PL-V012B	CMT B Drain	A	I	ASME III-1		X		
PXS-PL-V013A	CMT A Discharge Manual Isolation	A	I	ASME III-1		X		
PXS-PL-V013B	CMT B Discharge Manual Isolation	A	I	ASME III-1		X		
PXS-PL-V014A	CMT A Discharge Isolation	A	I	ASME III-1				X
PXS-PL-V014B	CMT B Discharge Isolation	A	I	ASME III-1				X
PXS-PL-V015A	CMT A Discharge Isolation	A	I	ASME III-1				X
PXS-PL-V015B	CMT B Discharge Isolation	A	I	ASME III-1				X
PXS-PL-V016A	CMT A Discharge Check	A	I	ASME III-1				X
PXS-PL-V016B	CMT B Discharge Check	A	I	ASME III-1				X
PXS-PL-V017A	CMT A Discharge Check	A	I	ASME III-1				X
PXS-PL-V017B	CMT B Discharge Check	A	I	ASME III-1				X
PXS-PL-V021A	Accumulator A Nitrogen Vent	C	I	ASME III-3		X		
PXS-PL-V021B	Accumulator B Nitrogen Vent	C	I	ASME III-3		X		
PXS-PL-V022A	Accumulator A Pressure Relief	C	I	ASME III-3				X
PXS-PL-V022B	Accumulator B Pressure Relief	C	I	ASME III-3				X
PXS-PL-V023A	Accumulator A Pressure Transmitter B Isolation	C	I	ASME III-3		X		
PXS-PL-V023B	Accumulator B Pressure Transmitter B Isolation	C	I	ASME III-3		X		
PXS-PL-V024A	Accumulator A Pressure Transmitter A Isolation	C	I	ASME III-3		X		
PXS-PL-V024B	Accumulator B Pressure Transmitter A Isolation	C	I	ASME III-3		X		
PXS-PL-V025A	Accumulator A Sample	C	I	ASME III-3		X		
PXS-PL-V025B	Accumulator B Sample	C	I	ASME III-3		X		
PXS-PL-V026A	Accumulator A Drain	C	I	ASME III-3		X		
PXS-PL-V026B	Accumulator B Drain	C	I	ASME III-3		X		
PXS-PL-V027A	Accumulator A Discharge Isolation	C	I	ASME III-3		X		
PXS-PL-V027B	Accumulator B Discharge Isolation	C	I	ASME III-3		X		
PXS-PL-V028A	Accumulator A Discharge Check	A	I	ASME III-1				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
PXS-PL-V028B	Accumulator B Discharge Check	A	I	ASME III-1				X
PXS-PL-V029A	Accumulator A Discharge Check	A	I	ASME III-1				X
PXS-PL-V029B	Accumulator B Discharge Check	A	I	ASME III-1				X
PXS-PL-V030A	CMT A Highpoint Vent	B	I	ASME III-2		X		
PXS-PL-V030B	CMT B Highpoint Vent	B	I	ASME III-2		X		
PXS-PL-V031A	CMT A Highpoint Vent	B	I	ASME III-2		X		
PXS-PL-V031B	CMT B Highpoint Vent	B	I	ASME III-2		X		
PXS-PL-V033A	Accumulator A Check Valve Drain	B	I	ASME III-2		X		
PXS-PL-V033B	Accumulator B Check Valve Drain	B	I	ASME III-2		X		
PXS-PL-V042	Nitrogen Supply Containment Isolation ORC	B	I	ASME III-2				X
PXS-PL-V043	Nitrogen Supply Containment Isolation IRC	B	I	ASME III-2				X
PXS-PL-V052	Accumulator Nitrogen Containment Penetration TC	B	I	ASME III-2		X		
PXS-PL-V080A	CMT A WR Level Isolation	B	I	ASME III-2		X		
PXS-PL-V080B	CMT B WR Level Isolation	B	I	ASME III-2		X		
PXS-PL-V081A	CMT A WR Level Isolation	B	I	ASME III-2		X		
PXS-PL-V081B	CMT B WR Level Isolation	B	I	ASME III-2		X		
PXS-PL-V082A	CMT A Upper Level A Isolation 1	B	I	ASME III-2		X		
PXS-PL-V082B	CMT B Upper Level A Isolation	B	I	ASME III-2		X		
PXS-PL-V083A	CMT A Upper Level A Isolation 2	B	I	ASME III-2		X		
PXS-PL-V083B	CMT B Upper Level A Isolation	B	I	ASME III-2		X		
PXS-PL-V084A	CMT A Upper Level A Vent	B	I	ASME III-2		X		
PXS-PL-V084B	CMT B Upper Level A Vent	B	I	ASME III-2		X		
PXS-PL-V085A	CMT A Upper Level A Drain	B	I	ASME III-2		X		
PXS-PL-V085B	CMT B Upper Level A Drain	B	I	ASME III-2		X		
PXS-PL-V086A	CMT A Upper Level B Isolation	B	I	ASME III-2		X		
PXS-PL-V086B	CMT B Upper Level B Isolation	B	I	ASME III-2		X		
PXS-PL-V087A	CMT A Upper Level B Isolation	B	I	ASME III-2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
PXS-PL-V087B	CMT B Upper Level B Isolation	B	I	ASME III-2		X		
PXS-PL-V088A	CMT A Upper Level B Vent	B	I	ASME III-2		X		
PXS-PL-V088B	CMT B Upper Level B Vent	B	I	ASME III-2		X		
PXS-PL-V089A	CMT A Upper Level B Drain	B	I	ASME III-2		X		
PXS-PL-V089B	CMT B Upper Level B Drain	B	I	ASME III-2		X		
PXS-PL-V092A	CMT A Lower Level A Isolation 1	B	I	ASME III-2		X		
PXS-PL-V092B	CMT B Lower Level A Isolation 1	B	I	ASME III-2		X		
PXS-PL-V093A	CMT A Lower Level A Isolation 2	B	I	ASME III-2		X		
PXS-PL-V093B	CMT B Lower Level A Isolation 2	B	I	ASME III-2		X		
PXS-PL-V094A	CMT A Lower Level A Vent	B	I	ASME III-2		X		
PXS-PL-V094B	CMT B Lower Level A Vent	B	I	ASME III-2		X		
PXS-PL-V095A	CMT A Lower Level A Drain	B	I	ASME III-2		X		
PXS-PL-V095B	CMT B Lower Level A Drain	B	I	ASME III-2		X		
PXS-PL-V096A	CMT A Lower Level B Isolation	B	I	ASME III-2		X		
PXS-PL-V096B	CMT B Lower Level B Isolation	B	I	ASME III-2		X		
PXS-PL-V097A	CMT A Lower Level B Isolation	B	I	ASME III-2		X		
PXS-PL-V097B	CMT B Lower Level B Isolation	B	I	ASME III-2		X		
PXS-PL-V098A	CMT A Lower Level B Vent	B	I	ASME III-2		X		
PXS-PL-V098B	CMT B Lower Level B Vent	B	I	ASME III-2		X		
PXS-PL-V099A	CMT A Lower Level B Drain	B	I	ASME III-2		X		
PXS-PL-V099B	CMT B Lower Level B Drain	B	I	ASME III-2		X		
PXS-PL-V101	PRHR HX Inlet Isolation	A	I	ASME III-1		X		
PXS-PL-V102A	PRHR HX Inlet Head Vent	B	I	ASME III-2		X		
PXS-PL-V102B	PRHR HX Inlet Head Drain	B	I	ASME III-2		X		
PXS-PL-V103A	PRHR HX Outlet Head Vent	B	I	ASME III-2		X		
PXS-PL-V103B	PRHR HX Outlet Head Drain	B	I	ASME III-2		X		
PXS-PL-V104A	PRHR HX Flow Transmitter A Isolation	B	I	ASME III-2		X		
PXS-PL-V104B	PRHR HX Flow Transmitter B Isolation	B	I	ASME III-2		X		
PXS-PL-V105A	PRHR HX Flow Transmitter A Isolation	B	I	ASME III-2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
PXS-PL-V105B	PRHR HX Flow Transmitter B Isolation	B	I	ASME III-2		X		
PXS-PL-V108A	PRHR HX Control	A	I	ASME III-1				X
PXS-PL-V108B	PRHR HX Control	A	I	ASME III-1				X
PXS-PL-V109	PRHR HX/RCS Return Isolation	A	I	ASME III-1		X		
PXS-PL-V111A	PRHR HX Highpoint Vent	B	I	ASME III-2		X		
PXS-PL-V111B	PRHR HX Highpoint Vent	B	I	ASME III-2		X		
PXS-PL-V113	PRHR HX Pressure Transmitter Isolation	B	I	ASME III-2		X		
PXS-PL-V117A	Containment Recirculation A Isolation	C	I	ASME III-3		X		
PXS-PL-V117B	Containment Recirculation B Isolation	C	I	ASME III-3		X		
PXS-PL-V118A	Containment Recirculation A Isolation	C	I	ASME III-3				X
PXS-PL-V118B	Containment Recirculation B Isolation	C	I	ASME III-3				X
PXS-PL-V119A	Containment Recirculation A Check	C	I	ASME III-3				X
PXS-PL-V119B	Containment Recirculation B Check	C	I	ASME III-3				X
PXS-PL-V120A	Containment Recirculation A Isolation	C	I	ASME III-3				X
PXS-PL-V120B	Containment Recirculation B Isolation	C	I	ASME III-3				X
PXS-PL-V121A	IRWST Line A Isolation	C	I	ASME III-3		X		
PXS-PL-V121B	IRWST Line B Isolation	C	I	ASME III-3		X		
PXS-PL-V122A	IRWST Injection A Check	A	I	ASME III-1				X
PXS-PL-V122B	IRWST Injection B Check	A	I	ASME III-1				X
PXS-PL-V123A	IRWST Injection A Isolation	A	I	ASME III-1				X
PXS-PL-V123B	IRWST Injection B Isolation	A	I	ASME III-1				X
PXS-PL-V124A	IRWST Injection A Check	A	I	ASME III-1				X
PXS-PL-V124B	IRWST Injection B Check	A	I	ASME III-1				X
PXS-PL-V125A	IRWST Injection A Isolation	A	I	ASME III-1				X
PXS-PL-V125B	IRWST Injection B Isolation	A	I	ASME III-1				X
PXS-PL-V126A	IRWST Injection Check Test	C	I	ASME III-3		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
PXS-PL-V126B	IRWST Injection Check Test	C	I	ASME III-3		X		
PXS-PL-V128A	IRWST Injection Check Test	B	I	ASME III-2		X		
PXS-PL-V128B	IRWST Injection Check Test	B	I	ASME III-2		X		
PXS-PL-V129A	IRWST Injection Check Test	B	I	ASME III-2		X		
PXS-PL-V129B	IRWST Injection Check Test	B	I	ASME III-2		X		
PXS-PL-V130A	IRWST Gutter Bypass A Isolation	C	I	ASME III-3				X
PXS-PL-V130B	IRWST Gutter Bypass B Isolation	C	I	ASME III-3				X
PXS-PL-V150A	IRWST Level Transmitter A Isolation	C	I	ASME III-3		X		
PXS-PL-V150B	IRWST Level Transmitter B Isolation	C	I	ASME III-3		X		
PXS-PL-V150C	IRWST Level Transmitter C Isolation	C	I	ASME III-3		X		
PXS-PL-V150D	IRWST Level Transmitter D Isolation	C	I	ASME III-3		X		
PXS-PL-V151A	IRWST Level Transmitter A Isolation	C	I	ASME III-3		X		
PXS-PL-V151B	IRWST Level Transmitter B Isolation	C	I	ASME III-3		X		
PXS-PL-V151C	IRWST Level Transmitter C Isolation	C	I	ASME III-3		X		
PXS-PL-V151D	IRWST Level Transmitter D Isolation	C	I	ASME III-3		X		
PXS-PL-V201A	Accumulator A Leak Test	B	I	ASME III-2		X		
PXS-PL-V201B	Accumulator B Leak Test	B	I	ASME III-2		X		
PXS-PL-V202A	Accumulator A Leak Test	C	I	ASME III-3		X		
PXS-PL-V202B	Accumulator B Leak Test	C	I	ASME III-3		X		
PXS-PL-V205A	RNS Discharge Leak Test	B	I	ASME III-2		X		
PXS-PL-V205B	RNS Discharge Leak Test	B	I	ASME III-2		X		
PXS-PL-V206	RNS Discharge Leak Test	C	I	ASME III-3		X		
PXS-PL-V207A	RNS Suction Leak Test	B	I	ASME III-2		X		
PXS-PL-V207B	RNS Suction Leak Test	B	I	ASME III-2		X		
PXS-PL-V208A	RNS Suction Leak Test	B	I	ASME III-2		X		
PXS-PL-V230A	CMT A Fill Isolation	B	I	ASME III-2		X		
PXS-PL-V230B	CMT B Fill Isolation	B	I	ASME III-2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Method of Seismic Qualification		
						Analysis	Test	Combination
PXS-PL-V231A	CMT A Fill Check	B	I	ASME III-2		X		
PXS-PL-V231B	CMT B Fill Check	B	I	ASME III-2		X		
PXS-PL-V232A	Accumulator A Fill/Drain Isolation	C	I	ASME III-3		X		
PXS-PL-V232B	Accumulator B Fill/Drain Isolation	C	I	ASME III-3		X		
PXS-PY-C01	Nitrogen Makeup Containment Penetration	B	I	ASME III, 2		X		
Reactor Coolant System (RCS) Location: Containment								
RCS-MB-01	Steam Generator 1	A	I	ASME III-1		X		
RCS-MB-02	Steam Generator 2	A	I	ASME III-1		X		
RCS-MP-01A	SG 1 Reactor Coolant Pump	A	I	ASME III-1		X		
RCS-MP-01B	SG 1 Reactor Coolant Pump	A	I	ASME III-1		X		
RCS-MP-02A	SG 2 Reactor Coolant Pump	A	I	ASME III-1		X		
RCS-MP-02B	SG 2 Reactor Coolant Pump	A	I	ASME III-1		X		
RCS-MV-01	Reactor Vessel	A	I	ASME III-1		X		
RCS-MV-02	Pressurizer	A	I	ASME III-1		X		
RCS-MY-Y11	SG 1 Shell	B	I	ASME III-1		X		
RCS-MY-Y12	SG 1 Channel Head Divider Plate	B	I	ASME III-1		X		
RCS-MY-Y13	SG 1 Tube Bundle Support Assembly	C	I	ASME III, NG		X		
RCS-MY-Y14	SG 1 Steam Flow Limiting	B	I	ASME III, NG		X		
RCS-MY-Y15	SG 1 Feedwater Distribution Ring Supports	B	I	ASME III, NG		X		
RCS-MY-Y21	SG 2 Shell	B	I	ASME III-1		X		
RCS-MY-Y22	SG 2 Channel Head Divider Plate	B	I	ASME III-1		X		
RCS-MY-Y23	SG 2 Tube Bundle Support Assembly	C	I	ASME III, NG		X		
RCS-MY-Y24	SG 2 Steam Flow Limiting	B	I	ASME III, NG		X		
RCS-MY-Y25	SG 2 Feedwater Distribution Ring Supports	B	I	ASME III, NG		X		
RCS-PL-V001A	First Stage ADS	A	I	ASME III-1				X
RCS-PL-V001B	First Stage ADS	A	I	ASME III-1				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RCS-PL-V002A	Second Stage ADS	A	I	ASME III-1				X
RCS-PL-V002B	Second Stage ADS	A	I	ASME III-1				X
RCS-PL-V003A	Third Stage ADS	A	I	ASME III-1				X
RCS-PL-V003B	Third Stage ADS	A	I	ASME III-1				X
RCS-PL-V004A	Fourth Stage ADS	A	I	ASME III-1				X
RCS-PL-V004B	Fourth Stage ADS	A	I	ASME III-1				X
RCS-PL-V004C	Fourth Stage ADS	A	I	ASME III-1				X
RCS-PL-V004D	Fourth Stage ADS	A	I	ASME III-1				X
RCS-PL-V005A	Pressurizer Safety Valve	A	I	ASME III-1				X
RCS-PL-V005B	Pressurizer Safety Valve	A	I	ASME III-1				X
RCS-PL-V007A	ADS Test Valve	B	I	ASME III-2		X		
RCS-PL-V007B	ADS Test Valve	B	I	ASME III-2		X		
RCS-PL-V010A	ADS Discharge Header A Vacuum Relief	C	I	ASME III-3				X
RCS-PL-V010B	ADS Discharge Header B Vacuum Relief	C	I	ASME III-3				X
RCS-PL-V011A	First Stage ADS Isolation	A	I	ASME III-1				X
RCS-PL-V011B	First Stage ADS Isolation	A	I	ASME III-1				X
RCS-PL-V012A	Second Stage ADS Isolation	A	I	ASME III-1				X
RCS-PL-V012B	Second Stage ADS Isolation	A	I	ASME III-1				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RCS-PL-V013A	Third Stage ADS Isolation	A	I	ASME III-1				X
RCS-PL-V013B	Third Stage ADS Isolation	A	I	ASME III-1				X
RCS-PL-V014A	Fourth Stage ADS Isolation	A	I	ASME III-1		X		
RCS-PL-V014B	Fourth Stage ADS Isolation	A	I	ASME III-1		X		
RCS-PL-V014C	Fourth Stage ADS Isolation	A	I	ASME III-1		X		
RCS-PL-V014D	Fourth Stage ADS Isolation	A	I	ASME III-1		X		
RCS-PL-V095	Hot Leg 2 Level Instrument Root	B	I	ASME III-2		X		
RCS-PL-V096	Hot Leg 2 Level Instrument	B	I	ASME III-2	ADS Test	X		
RCS-PL-V097	Hot Leg 1 Level Instrument Root	B	I	ASME III-2		X		
RCS-PL-V098	Hot Leg 1 Level Instrument Root	B	I	ASME III-2		X		
RCS-PL-V101A	Hot Leg 1 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V101B	Hot Leg 1 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V101C	Hot Leg 1 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V101D	Hot Leg 1 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V101E	Hot Leg 1 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V101F	Hot Leg 1 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V102A	Hot Leg 2 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V102B	Hot Leg 2 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V102C	Hot Leg 2 Flow Instrument Root	B	I	ASME III-2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RCS-PL-V102D	Hot Leg 2 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V102E	Hot Leg 2 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V102F	Hot Leg 2 Flow Instrument Root	B	I	ASME III-2		X		
RCS-PL-V171A	Cold Leg 1A Bend Instrument Root	B	I	ASME III-2		X		
RCS-PL-V171B	Cold Leg 1A Bend Instrument Root	B	I	ASME III-2		X		
RCS-PL-V172A	Cold Leg 1B Bend Instrument Root	B	I	ASME III-2		X		
RCS-PL-V172B	Cold Leg 1B Bend Instrument Root	B	I	ASME III-2		X		
RCS-PL-V173A	Cold Leg 2A Bend Instrument Root	B	I	ASME III-2		X		
RCS-PL-V173B	Cold Leg 2A Bend Instrument Root	B	I	ASME III-2		X		
RCS-PL-V174A	Cold Leg 2B Bend Instrument Root	B	I	ASME III-2		X		
RCS-PL-V174B	Cold Leg 2B Bend Instrument Root	B	I	ASME III-2		X		
RCS-PL-V108A	Hot Leg 1 Sample Isolation	B	I	ASME III-2		X		
RCS-PL-V108B	Hot Leg 2 Sample Isolation	B	I	ASME III-2		X		
RCS-PL-V110A	Pressurizer Spray Valve	A	I	ASME III-1		X		
RCS-PL-V110B	Pressurizer Spray Valve	A	I	ASME III-1		X		
RCS-PL-V111A	Pressurizer Spray Block Valve	A	I	ASME III-1		X		
RCS-PL-V111B	Pressurizer Spray Block Valve	A	I	ASME III-1		X		
RCS-PL-V150A	Reactor Vessel Head Vent	A	I	ASME III-1				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RCS-PL-V150B	Reactor Vessel Head Vent	A	I	ASME III-1				X
RCS-PL-V150C	Reactor Vessel Head Vent	A	I	ASME III-1				X
RCS-PL-V150D	Reactor Vessel Head Vent	A	I	ASME III-1				X
RCS-PL-V204	Pressurizer Manual Vent	A	I	ASME III-1		X		
RCS-PL-V205	Pressurizer Manual Vent	A	I	ASME III-1		X		
RCS-PL-V210A	Pressurizer Spray Bypass	B	I	ASME III-2		X		
RCS-PL-V210B	Pressurizer Spray Bypass	B	I	ASME III-2		X		
RCS-PL-V225A	Pressurizer Level Steam Space Instrument Root	B	I	ASME III-2		X		
RCS-PL-V225B	Pressurizer Level Steam Space Instrument Root	B	I	ASME III-2		X		
RCS-PL-V225C	Pressurizer Level Steam Space Instrument Root	B	I	ASME III-2		X		
RCS-PL-V225D	Pressurizer Level Steam Space Instrument Root	B	I	ASME III-2		X		
RCS-PL-V226A	Pressurizer Level Liquid Space Instrument Root	B	I	ASME III-2		X		
RCS-PL-V226B	Pressurizer Level Liquid Space Instrument Root	B	I	ASME III-2		X		
RCS-PL-V226C	Pressurizer Level Liquid Space Instrument Root	B	I	ASME III-2		X		
RCS-PL-V226D	Pressurizer Level Liquid Space Instrument Root	B	I	ASME III-2		X		
RCS-PL-V228	Wide Range Pressurizer Level Steam Space Instrument Root	B	I	ASME III-2		X		
RCS-PL-V229	Wide Range Pressurizer Level Liquid Space Instrument Root	B	I	ASME III-2		X		
RCS-PL-V232	Manual Head Vent	C	I	ASME III-3		X		
RCS-PL-V233	Head Vent Isolation	C	I	ASME III-3		X		
RCS-PL-V241	ADS Valve Discharge Header Drain Isolation	C	I	ASME III-3		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RCS-PL-V261A	RCP 1A Drain	A	I	ASME III-1		X		
RCS-PL-V261B	RCP 1B Drain	A	I	ASME III-1		X		
RCS-PL-V261C	RCP 2A Drain	A	I	ASME III-1		X		
RCS-PL-V261D	RCP 2B Drain	A	I	ASME III-1		X		
RCS-PL-V260A	RCP 1A Vent	A	I	ASME III-1		X		
RCS-PL-V260B	RCP 1B Vent	A	I	ASME III-1		X		
RCS-PL-V260C	RCP 2A Vent	A	I	ASME III-1		X		
RCS-PL-V260D	RCP 2B Vent	A	I	ASME III-1		X		
RCS-PY-K03	Safety Valve Discharge Chamber Rupture Disk	C	I	ASME III-3		X		
RCS-PY-K04	Safety Valve Discharge Chamber Rupture Disk	C	I	ASME III-3		X		
Normal Residual Heat Removal System (RNS) Location: Containment and Auxiliary Building								
RNS-ME-01A	Normal Residual Heat Removal Heat Exchanger A (Tube Side)	C	I	ASME III-3	Shellside - Class D ASME VIII, Div. 1	X		
RNS-ME-01B	Normal Residual Heat Removal Heat Exchanger B (Tube Side)	C	I	ASME III-3	Shellside - Class D ASME VIII, Div. 1	X		
RNS-MP-01A	Residual Heat Removal Pump A	C	I	ASME III-3	Pump Motor - Class D	X		
RNS-MP-01B	Residual Heat Removal Pump B	C	I	ASME III-3	Pump Motor - Class D	X		
RNS-PL-V001A	RNS HL Suction Isolation - Inner	A	I	ASME III-1				X
RNS-PL-V001B	RNS HL Suction Isolation - Inner	A	I	ASME III-1				X
RNS-PL-V002A	RNS HL Suction and Containment Isolation - Outer	A	I	ASME III-1				X
RNS-PL-V002B	RNS HL Suction and Containment Isolation - Outer	A	I	ASME III-1				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RNS-PL-V003A	RCS Pressure Boundary Valve Thermal Relief	B	I	ASME III-2				X
RNS-PL-V003B	RCS Pressure Boundary Valve	B	I	ASME III-2				X
RNS-PL-V004A	RCS Pressure Boundary Valve Thermal Relief Isolation	B	I	ASME III-2		X		
RNS-PL-V004B	RCS Pressure Boundary Valve Thermal Relief Isolation	B	I	ASME III-2		X		
RNS-PL-V005A	RNS Pump A Suction Isolation	C	I	ASME III-3		X		
RNS-PL-V005B	RNS Pump B Suction Isolation	C	I	ASME III-3		X		
RNS-PL-V006A	RNS HX A Outlet Flow Control	C	I	ASME III-3		X		
RNS-PL-V006B	RNS HX B Outlet Flow Control	C	I	ASME III-3		X		
RNS-PL-V007A	RNS Pump A Discharge	C	I	ASME III-3		X		
RNS-PL-V007B	RNS Pump B Discharge	C	I	ASME III-3		X		
RNS-PL-V008A	RNS HX A Bypass Flow Control	C	I	ASME III-3		X		
RNS-PL-V008B	RNS HX B Bypass Flow Control	C	I	ASME III-3		X		
RNS-PL-V010	RNS Discharge Containment Isolation Valve Test	C	I	ASME III-3		X		
RNS-PL-V011	RNS Discharge Containment Isolation Valve - ORC	B	I	ASME III-2				X
RNS-PL-V012	RNS Discharge Containment Isolation Valve Test Connection ORC	B	I	ASME III-2				X
RNS-PL-V013	RNS Discharge Containment Isolation - IRC	B	I	ASME III-2				X
RNS-PL-V014	RNS Discharge Containment Isolation Valve Test Connection	C	I	ASME III-3		X		
RNS-PL-V015A	RNS Discharge RCS Pressure Boundary	A	I	ASME III-1				X
RNS-PL-V015B	RNS Discharge RCS Pressure Boundary	A	I	ASME III-1				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RNS-PL-V016	RNS Discharge Containment Penetration Isolation Valves	C	I	ASME III-3		X		
RNS-PL-V017A	RNS Discharge RCS Pressure Boundary	A	I	ASME III-1				X
RNS-PL-V017B	RNS Discharge RCS Pressure Boundary	A	I	ASME III-1				X
RNS-PL-V021	RNS HL Suction Pressure Relief	B	I	ASME III-2				X
RNS-PL-V022	RNS Suction Header Containment Isolation - ORC	B	I	ASME III-2				X
RNS-PL-V023	RNS Suction from IRWST - Containment Isolation	B	I	ASME III-2				X
RNS-PL-V024	RNS Discharge to IRWST Isolation	C	I	ASME III-3		X		
RNS-PL-V029	RNS Discharge to CVS	C	I	ASME III-3		X		
RNS-PL-V031A	RNS Train A Discharge Flow Instrument Isolation	C	I	ASME III-3		X		
RNS-PL-V031B	RNS Train B Discharge Flow Instrument Isolation	C	I	ASME III-3		X		
RNS-PL-V032A	RNS Train A Discharge Flow Instrument Isolation	C	I	ASME III-3		X		
RNS-PL-V032B	RNS Train B Discharge Flow Instrument Isolation	C	I	ASME III-3		X		
RNS-PL-V033A	RNS Pump A Suction Pressure Instrument Isolation	C	I	ASME III-3		X		
RNS-PL-V033B	RNS Pump B Suction Pressure Instrument Isolation	C	I	ASME III-3		X		
RNS-PL-V034A	RNS Pump A Discharge Pressure Instrument Isolation	C	I	ASME III-3		X		
RNS-PL-V034B	RNS Pump B Discharge Pressure Instrument Isolation	C	I	ASME III-3		X		
RNS-PL-V036A	RNS Pump A Suction Piping Drain. Isolation	C	I	ASME III-3		X		
RNS-PL-V036B	RNS Pump B Suction Piping Drain. Isolation	C	I	ASME III-3		X		
RNS-PL-V045	RNS Pump Discharge Relief	C	I	ASME III-3				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RNS-PL-V046A	RNS HX A Channel Head Drain. Isolation	C	I	ASME III-3		X		
RNS-PL-V046B	RNS HX B Channel Head Drain. Isolation	C	I	ASME III-3		X		
RNS-PL-V050	RNS Pump A Casing Drain. Isolation	C	I	ASME III-3		X		
RNS-PL-V051	RNS Pump B Casing Drain. Isolation	C	I	ASME III-3		X		
RNS-PL-V052	RNS Pump Suction From Spent Fuel Pool Isolation	C	I	ASME III-3		X		
RNS-PL-V053	RNS Pump Discharge to Spent Fuel Pool Isolation	C	I	ASME III-3		X		
RNS-PL-V055	RNS Pump Suction to Cask Loading Pit Isolation	C	I	ASME III-3		X		
RNS-PL-V056	RNS Pump Suction to Cask Loading Pit Isolation	C	I	ASME III-3		X		
RNS-PL-V057A	RNS Pump A Miniflow Isolation	C	I	ASME III-3		X		
RNS-PL-V057B	RNS Pump B Miniflow Isolation	C	I	ASME III-3		X		
RNS-PL-V059	RNS Pump Suction Containment Isolation Test Connection	C	I	ASME III-3		X		
RNS-PL-V061	RNS Return from CVS - Containment Isolation	B	I	ASME III-2				X
RNS-PY-C01	Normal Residual Heat Removal Suction Line Penetration	B	I	ASME III, MC		X		
RNS-PY-C02	Normal Residual Heat Removal Discharge Line Penetration	B	I	ASME III, MC		X		
Reactor System (RXS) Location: Containment								
n/a	Fuel Assemblies	C	I	Manufacturer Std.		X		
RXS-FR-B06	Control Rod Cluster B6	B	I	Manufacturer Std.		X		
RXS-FR-B10	Control Rod Cluster B10	B	I	Manufacturer Std.		X		
RXS-FR-C05	Control Rod Cluster C5	B	I	Manufacturer Std.		X		
RXS-FR-C07	Control Rod Cluster C7	B	I	Manufacturer Std.		X		

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		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RXS-FR-C09	Control Rod Cluster C9	B	I	Manufacturer Std.		X		
RXS-FR-C11	Control Rod Cluster C11	B	I	Manufacturer Std.		X		
RXS-FR-D06	Control Rod Cluster D6	B	I	Manufacturer Std.		X		
RXS-FR-D08	Control Rod Cluster D8	B	I	Manufacturer Std.		X		
RXS-FR-D10	Control Rod Cluster D10	B	I	Manufacturer Std.		X		
RXS-FR-E03	Control Rod Cluster E3	B	I	Manufacturer Std.		X		
RXS-FR-E05	Control Rod Cluster E5	B	I	Manufacturer Std.		X		
RXS-FR-E07	Control Rod Cluster E7	B	I	Manufacturer Std.		X		
RXS-FR-E09	Control Rod Cluster E9	B	I	Manufacturer Std.		X		
RXS-FR-E11	Control Rod Cluster E11	B	I	Manufacturer Std.		X		
RXS-FR-E13	Control Rod Cluster E13	B	I	Manufacturer Std.		X		
RXS-FR-F02	Control Rod Cluster F2	B	I	Manufacturer Std.		X		
RXS-FR-F04	Control Rod Cluster F4	B	I	Manufacturer Std.		X		
RXS-FR-F12	Control Rod Cluster F12	B	I	Manufacturer Std.		X		
RXS-FR-F14	Control Rod Cluster F14	B	I	Manufacturer Std		X		
RXS-FR-G03	Control Rod Cluster G3	B	I	Manufacturer Std.		X		
RXS-FR-G05	Control Rod Cluster G5	B	I	Manufacturer Std.		X		
RXS-FR-G07	Control Rod Cluster G7	B	I	Manufacturer Std.		X		
RXS-FR-G09	Control Rod Cluster G9	B	I	Manufacturer Std.		X		
RXS-FR-G11	Control Rod Cluster G11	B	I	Manufacturer Std.		X		
RXS-FR-G13	Control Rod Cluster G13	B	I	Manufacturer Std.		X		
RXS-FR-H04	Control Rod Cluster H4	B	I	Manufacturer Std.		X		
RXS-FR-H08	Control Rod Cluster H8	B	I	Manufacturer Std.		X		
RXS-FR-H12	Control Rod Cluster H12	B	I	Manufacturer Std.		X		
RXS-FR-J03	Control Rod Cluster J3	B	I	Manufacturer Std.		X		
RXS-FR-J05	Control Rod Cluster J5	B	I	Manufacturer Std.		X		
RXS-FR-J07	Control Rod Cluster J7	B	I	Manufacturer Std.		X		
RXS-FR-J09	Control Rod Cluster J9	B	I	Manufacturer Std.		X		
RXS-FR-J11	Control Rod Cluster J11	B	I	Manufacturer Std.		X		
RXS-FR-J13	Control Rod Cluster J13	B	I	Manufacturer Std.		X		
RXS-FR-K02	Control Rod Cluster K2	B	I	Manufacturer Std.		X		
RXS-FR-K04	Control Rod Cluster K4	B	I	Manufacturer Std.		X		
RXS-FR-K12	Control Rod Cluster K12	B	I	Manufacturer Std.		X		
RXS-FR-K14	Control Rod Cluster K14	B	I	Manufacturer Std.		X		
RXS-FR-L03	Control Rod Cluster L3	B	I	Manufacturer Std.		X		
RXS-FR-L05	Control Rod Cluster L5	B	I	Manufacturer Std.		X		
RXS-FR-L07	Control Rod Cluster L7	B	I	Manufacturer Std.		X		

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		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RXS-FR-L09	Control Rod Cluster L9	B	I	Manufacturer Std.		X		
RXS-FR-L11	Control Rod Cluster L11	B	I	Manufacturer Std.		X		
RXS-FR-L13	Control Rod Cluster L13	B	I	Manufacturer Std.		X		
RXS-FR-M06	Control Rod Cluster M6	B	I	Manufacturer Std.		X		
RXS-FR-M08	Control Rod Cluster M8	B	I	Manufacturer Std.		X		
RXS-FR-M10	Control Rod Cluster M10	B	I	Manufacturer Std.		X		
RXS-FR-N5	Control Rod Cluster N5	B	I	Manufacturer Std.		X		
RXS-FR-N7	Control Rod Cluster N7	B	I	Manufacturer Std.		X		
RXS-FR-N9	Control Rod Cluster N9	B	I	Manufacturer Std.		X		
RXS-FR-N11	Control Rod Cluster N11	B	I	Manufacturer Std.		X		
RXS-FR-P6	Control Rod Cluster P6	B	I	Manufacturer Std.		X		
RXS-FR-P10	Control Rod Cluster P10	B	I	Manufacturer Std.		X		
RXS-MI-01	Reactor Upper Internals	C	I	ASME III, CS		X		
RXS-MI-02	Reactor Lower Internals	C	I	ASME III, CS		X		
RXS-MI-11	Threaded Structural Fasteners	C	I	ASME III, CS		X		
RXS-MI-20	Lower Core Support Plate	C	I	ASME III, CS		X		
RXS-MI-22	Vortex Suppression Plate	D	II	ASME III, CS		X		
RXS-MI-23	Core Shroud Assembly	C	II	ASME III, CS		X		
RXS-MI-24	Radial Supports [4]	C	I	ASME III, CS		X		
RXS-MI-25	Core Barrel	C	I	ASME III, CS		X		
RXS-MI-26	Core Barrel Nozzle	C	I	ASME III, CS		X		
RXS-MI-27	Head and Vessel Pins	D	II	ASME III, CS		X		
RXS-MI-28	Lower Support Plate Fuel Alignment Pins	C	I	ASME III, CS		X		
RXS-MI-29	Core Barrel Hold Down Spring	C	I	ASME III, CS		X		
RXS-MI-50	Upper Support	C	I	ASME III, CS		X		
RXS-MI-51	Upper Core Plate	C	I	ASME III, CS		X		
RXS-MI-52	Support Columns [42]	C	I	ASME III, CS		X		
RXS-MI-53	Guide Tube Assemblies [69]	C	I	ASME III, CS		X		
RXS-MI-54	Upper Support Plate Fuel Alignment Pins	C	I	ASME III, CS		X		
RXS-MI-55	Upper Core Plate Inserts	C	I	ASME III, CS		X		
RXS-MI-56	Safety Injection Deflector	D	II	ANSI B31.1		X		
RXS-MI-57	Irradiation Specimen Guide	D	II	ANSI B31.1		X		
RXS-MI-58	Head Cooling Nozzles	D	II	ANSI B31.1		X		
RXS-MV-10	Reactor Integrated Head	C	I	AISC-690		X		

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Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RXS-MV-10A	Integrated Head Package	C	I	ASME-NF		X		
RXS-MV-10B	Integrated Head Package Seismic Support System	C	I	ASME-NF		X		
RXS-MV-11B06L	CRDM Latch Housing B6	A	I	ASME III-1		X		
RXS-MV-11B06R	CRDM Rod Travel Housing B6	A	I	ASME III-1		X		
RXS-MV-11B08L	CRDM Latch Housing B8	A	I	ASME III-1		X		
RXS-MV-11B08R	CRDM Rod Travel Housing B8	A	I	ASME III-1		X		
RXS-MV-11B10L	CRDM Latch Housing B10	A	I	ASME III-1		X		
RXS-MV-11B10R	CRDM Rod Travel Housing B10	A	I	ASME III-1		X		
RXS-MV-11C05L	CRDM Latch Housing C5	A	I	ASME III-1		X		
RXS-MV-11C05R	CRDM Rod Travel Housing C5	A	I	ASME III-1		X		
RXS-MV-11C07L	CRDM Latch Housing C7	A	I	ASME III-1		X		
RXS-MV-11C07R	CRDM Rod Travel Housing C7	A	I	ASME III-1		X		
RXS-MV-11C09L	CRDM Latch Housing C9	A	I	ASME III-1		X		
RXS-MV-11C09R	CRDM Rod Travel Housing C9	A	I	ASME III-1		X		
RXS-MV-11C11L	CRDM Latch Housing C11	A	I	ASME III-1		X		
RXS-MV-11C11R	CRDM Rod Travel Housing C11	A	I	ASME III-1		X		
RXS-MV-11D04L	CRDM Latch Housing D4	A	I	ASME III-1		X		
RXS-MV-11D04R	CRDM Rod Travel Housing D4	A	I	ASME III-1		X		
RXS-MV-11D06L	CRDM Latch Housing D6	A	I	ASME III-1		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RXS-MV-11D06R	CRDM Rod Travel Housing D6	A	I	ASME III-1		X		
RXS-MV-11D08L	CRDM Latch Housing D8	A	I	ASME III-1		X		
RXS-MV-11D08R	CRDM Rod Travel Housing D8	A	I	ASME III-1		X		
RXS-MV-11D10L	CRDM Latch Housing D10	A	I	ASME III-1		X		
RXS-MV-11D10R	CRDM Rod Travel Housing D10	A	I	ASME III-1		X		
RXS-MV-11D12L	CRDM Latch Housing D12	A	I	ASME III-1		X		
RXS-MV-11D12R	CRDM Rod Travel Housing D12	A	I	ASME III-1		X		
RXS-MV-11E03L	CRDM Latch Housing E3	A	I	ASME III-1		X		
RXS-MV-11E03R	CRDM Rod Travel Housing E3	A	I	ASME III-1		X		
RXS-MV-11E05L	CRDM Latch Housing E5	A	I	ASME III-1		X		
RXS-MV-11E05R	CRDM Rod Travel Housing E5	A	I	ASME III-1		X		
RXS-MV-11E07L	CRDM Latch Housing E7	A	I	ASME III-1		X		
RXS-MV-11E07R	CRDM Rod Travel Housing E7	A	I	ASME III-1		X		
RXS-MV-11E09L	CRDM Latch Housing E9	A	I	ASME III-1		X		
RXS-MV-11E09R	CRDM Rod Travel Housing E9	A	I	ASME III-1		X		
RXS-MV-11E11L	CRDM Latch Housing E11	A	I	ASME III-1		X		
RXS-MV-11E11R	CRDM Rod Travel Housing E11	A	I	ASME III-1		X		
RXS-MV-11E13L	CRDM Latch Housing E13	A	I	ASME III-1		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
						Method of Seismic Qualification		
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Analysis	Test	Combination
RXS MV-11E13R	CRDM Rod Travel Housing E13	A	I	ASME III-1		X		
RXS-MV-11F02L	CRDM Latch Housing F2	A	I	ASME III-1		X		
RXS-MV-11F02R	CRDM Rod Travel Housing F2	A	I	ASME III-1		X		
RXS-MV-11F04L	CRDM Latch Housing F4	A	I	ASME III-1		X		
RXS-MV-11F04R	CRDM Rod Travel Housing F4	A	I	ASME III-1		X		
RXS-MV-11F06L	CRDM Latch Housing F6	A	I	ASME III-1		X		
RXS-MV-11F06R	CRDM Rod Travel Housing F6	A	I	ASME III-1		X		
RXS-MV-11F08L	CRDM Latch Housing F8	A	I	ASME III-1		X		
RXS-MV-11F08R	CRDM Rod Travel Housing F8	A	I	ASME III-1		X		
RXS-MV-11F10L	CRDM Latch Housing F10	A	I	ASME III-1		X		
RXS-MV-11F10R	CRDM Rod Travel Housing F10	A	I	ASME III-1		X		
RXS-MV-11F12L	CRDM Latch Housing F12	A	I	ASME III-1		X		
RXS-MV-11F12R	CRDM Rod Travel Housing F12	A	I	ASME III-1		X		
RXS-MV-11F14L	CRDM Latch Housing F14	A	I	ASME III-1		X		
RXS-MV-11F14R	CRDM Rod Travel Housing F14	A	I	ASME III-1		X		
RXS-MV-11G03L	CRDM Latch Housing G3	A	I	ASME III-1		X		
RXS-MV-11G03R	CRDM Rod Travel Housing G3	A	I	ASME III-1		X		
RXS-MV-11G05L	CRDM Latch Housing G5	A	I	ASME III-1		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RXS-MV-11G05R	CRDM Rod Travel Housing G5	A	I	ASME III-1		X		
RXS-MV-11G07L	CRDM Latch Housing G7.	A	I	ASME III-1		X		
RXS-MV-11G07R	CRDM Rod Travel Housing G7	A	I	ASME III-1		X		
RXS-MV-11G09L	CRDM Latch Housing G9	A	I	ASME III-1		X		
RXS-MV-11G09R	CRDM Rod Travel Housing G9	A	I	ASME III-1		X		
RXS-MV-11G11L	CRDM Latch Housing G11	A	I	ASME III-1		X		
RXS-MV-11G11R	CRDM Rod Travel Housing G11	A	I	ASME III-1		X		
RXS-MV-11G13L	CRDM Latch Housing G13	A	I	ASME III-1		X		
RXS-MV-11G13R	CRDM Rod Travel Housing G13	A	I	ASME III-1		X		
RXS-MV-11H02L	CRDM Latch Housing H2	A	I	ASME III-1		X		
RXS-MV-11H02R	CRDM Rod Travel Housing H2	A	I	ASME III-1		X		
RXS-MV-11H04L	CRDM Latch Housing H4	A	I	ASME III-1		X		
RXS-MV-11H04R	CRDM Rod Travel Housing H4	A	I	ASME III-1		X		
RXS-MV-11H06L	CRDM Latch Housing H6	A	I	ASME III-1		X		
RXS-MV-11H06R	CRDM Rod Travel Housing H6	A	I	ASME III-1		X		
RXS-MV-11H08L	CRDM Latch Housing H8	A	I	ASME III-1		X		
RXS-MV-11H08R	CRDM Rod Travel Housing H8	A	I	ASME III-1		X		
RXS-MV-11H10L	CRDM Latch Housing H10	A	I	ASME III-1		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RXS-MV-11H10R	CRDM Rod Travel Housing H10	A	I	ASME III-1		X		
RXS-MV-11H12L	CRDM Latch Housing H12	A	I	ASME III-1		X		
RXS-MV-11H12R	CRDM Rod Travel Housing H12	A	I	ASME III-1		X		
RXS-MV-11H14L	CRDM Latch Housing H14	A	I	ASME III-1		X		
RXS-MV-11H14R	CRDM Rod Travel Housing H14	A	I	ASME III-1		X		
RXS-MV-11J03L	CRDM Latch Housing J3	A	I	ASME III-1		X		
RXS-MV-11J03R	CRDM Rod Travel Housing J3	A	I	ASME III-1		X		
RXS-MV-11J05L	CRDM Latch Housing J5	A	I	ASME III-1		X		
RXS-MV-11J05R	CRDM Rod Travel Housing J5	A	I	ASME III-1		X		
RXS-MV-11J07L	CRDM Latch Housing J7	A	I	ASME III-1		X		
RXS-MV-11J07R	CRDM Rod Travel Housing J7	A	I	ASME III-1		X		
RXS-MV-11J09L	CRDM Latch Housing J9	A	I	ASME III-1		X		
RXS-MV-11J09R	CRDM Rod Travel Housing J9	A	I	ASME III-1		X		
RXS-MV-11J11L	CRDM Latch Housing J11	A	I	ASME III-1		X		
RXS-MV-11J11R	CRDM Rod Travel Housing J11	A	I	ASME III-1		X		
RXS-MV-11J13L	CRDM Latch Housing J13	A	I	ASME III-1		X		
RXS-MV-11J13R	CRDM Rod Travel Housing J13	A	I	ASME III-1		X		
RXS-MV-11K02L	CRDM Latch Housing K2	A	I	ASME III-1		X		
RXS-MV-11K02R	CRDM Rod Travel Housing K2	A	I	ASME III-1		X		
RXS-MV-11K04L	CRDM Latch Housing K4	A	I	ASME III-1		X		
RXS-MV-11K04R	CRDM Rod Travel Housing K4	A	I	ASME III-1		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RXS-MV-11K06L	CRDM Latch Housing K6	A	I	ASME III-1		X		
RXS-MV-11K06R	CRDM Rod Travel Housing K6	A	I	ASME III-1		X		
RXS-MV-11K08L	CRDM Latch Housing K8	A	I	ASME III-1		X		
RXS-MV-11K08R	CRDM Rod Travel Housing K8	A	I	ASME III-1		X		
RXS-MV-11K10L	CRDM Latch Housing K10	A	I	ASME III-1		X		
RXS-MV-11K10R	CRDM Rod Travel Housing K10	A	I	ASME III-1		X		
RXS-MV-11K12L	CRDM Latch Housing K12	A	I	ASME III-1		X		
RXS-MV-11K12R	CRDM Rod Travel Housing K12	A	I	ASME III-1		X		
RXS-MV-11K14L	CRDM Latch Housing K14	A	I	ASME III-1		X		
RXS-MV-11K14R	CRDM Rod Travel Housing K14	A	I	ASME III-1		X		
RXS-MV-11L03L	CRDM Latch Housing L3	A	I	ASME III-1		X		
RXS-MV-11L03R	CRDM Rod Travel Housing L3	A	I	ASME III-1		X		
RXS-MV-11L05L	CRDM Latch Housing L5	A	I	ASME III-1		X		
RXS-MV-11L05R	CRDM Rod Travel Housing L5	A	I	ASME III-1		X		
RXS-MV-11L07L	CRDM Latch Housing L7	A	I	ASME III-1		X		
RXS-MV-11L07R	CRDM Rod Travel Housing L7	A	I	ASME III-1		X		
RXS-MV-11L09L	CRDM Latch Housing L9	A	I	ASME III-1		X		
RXS-MV-11L09R	CRDM Rod Travel Housing L9	A	I	ASME III-1		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
RXS-MV-11L11L	CRDM Latch Housing L11	A	I	ASME III-1		X		
RXS-MV-11L11R	CRDM Rod Travel Housing L11	A	I	ASME III-1		X		
RXS-MV-11L13L	CRDM Latch Housing L13	A	I	ASME III-1		X		
RXS-MV-11L13R	CRDM Rod Travel Housing L13	A	I	ASME III-1		X		
RXS-MV-	CRDM Latch Housing M4	A	I	ASME III-1		X		
RXS-MV-	CRDM Rod Travel Housing M4	A	I	ASME III-1		X		
RXS-MV-	CRDM Latch Housing M6	A	I	ASME III-1		X		
RXS-MV-	CRDM Rod Travel Housing M6	A	I	ASME III-1		X		
RXS-MV-	CRDM Latch Housing M8	A	I	ASME III-1		X		
RXS-MV-	CRDM Rod Travel Housing M8	A	I	ASME III-1		X		
RXS-MV-	CRDM Latch Housing M10	A	I	ASME III-1		X		
RXS-MV-	CRDM Rod Travel Housing M10	A	I	ASME III-1		X		
RXS-MV-	CRDM Latch Housing M12	A	I	ASME III-1		X		
RXS-MV-	CRDM Rod Travel Housing M12	A	I	ASME III-1		X		
RXS-MV-11N05L	CRDM Latch Housing N5	A	I	ASME III-1		X		
RXS-MV-11N05R	CRDM Rod Travel Housing N5	A	I	ASME III-1		X		
RXS-MV-11N07L	CRDM Latch Housing N7	A	I	ASME III-1		X		
RXS-MV-11N07R	CRDM Rod Travel Housing N7	A	I	ASME III-1		X		
RXS-MV-11N09L	CRDM Latch Housing N9	A	I	ASME III-1		X		
RXS-MV-11N09R	CRDM Rod Travel Housing N9	A	I	ASME III-1		X		
RXS-MV-11N11L	CRDM Latch Housing N11	A	I	ASME III-1		X		
RXS-MV-11N11R	CRDM Rod Travel Housing N11	A	I	ASME III-1		X		
RXS-MV-11P06L	CRDM Latch Housing P6	A	I	ASME III-1		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Method of Seismic Qualification		
						Analysis	Test	Combination
RXS-MV-11P06R	CRDM Rod Travel Housing P6	A	I	ASME III-1		X		
RXS-MV-11P08L	CRDM Latch Housing P8	A	I	ASME III-1		X		
RXS-MV-11P08R	CRDM Rod Travel Housing P8	A	I	ASME III-1		X		
RXS-MV-11P10L	CRDM Latch Housing P10	A	I	ASME III-1		X		
RXS-MV-11P10R	CRDM Rod Travel Housing P10	A	I	ASME III-1		X		
Spent Fuel Pool Cooling System (SFS) Location: Auxiliary Building, Containment								
SFS-PL-V024A	Spent Fuel Pool Level Instrument Isolation	C	I	ASME III-3		X		
SFS-PL-V024B	Spent Fuel Pool Level Instrument Isolation	C	I	ASME III-3		X		
SFS-PL-V024C	Spent Fuel Pool Level Instrument Isolation	C	I	ASME III-3		X		
SFS-PL-V028	Cask Washdown Pit Level Instrument Isolation	C	I	ASME III-3		X		
SFS-PL-V031	SFS Refueling Cavity Drain to SGS Compartment Isolation	C	I	ASME III-3		X		
SFS-PL-V032	SFS Refueling Cavity Suction Isolation	C	I	ASME III-3		X		
SFS-PL-V033	SFS Refueling Cavity Drain to Containment Sump Isolation	C	I	ASME III-3		X		
SFS-PL-V034	SFS Suction Line Containment Isolation	B	I	ASME III-2				X
SFS-PL-V035	SFS Suction Line Containment Isolation	B	I	ASME III-2				X
SFS-PL-V037	SFS Discharge Line Containment Isolation	B	I	ASME III-2				X
SFS-PL-V038	SFS Discharge Line Containment Isolation	B	I	ASME III-2				X
SFS-PL-V039	SFS Suction Line from IRWST Isolation	C	I	ASME III-3		X		
SFS-PL-V040	SFS Fuel Transfer Canal Drain Isolation	C	I	ASME III-3		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
SFS-PL-V041	SFS Cask Loading Pit Drain Isolation	C	I	ASME III-3		X		
SFS-PL-V042	Cask Loading Pit to Pump Suction Isolation	C	I	ASME III-3				X
SFS-PL-V043	SFS CVS Makeup Reverse Flow Prevention	C	I	ASME III-3		X		
SFS-PL-V045	SFS Discharge to Cask Loading Pit Isolation	C	I	ASME III-3				X
SFS-PL-V048	SFS Containment Penetration Test Connection	B	I	ASME III-2		X		
SFS-PL-V049	SFS Cask Loading Pit Drain to WLS Isolation	C	I	ASME III-3				X
SFS-PL-V056	SFS Containment Penetration Test Connection Isolation	B	I	ASME III-2		X		
SFS-PL-V058	SFS Containment Isolation Valve V034 Test	C	I	ASME III-3		X		
SFS-PL-V066	Spent Fuel Pool to Cask Washdown Pit Isolation	C	I	ASME III-3				X
SFS-PL-V067	SFS Containment Isolation Relief Valve	B	I	ASME III-2				X
SFS-PL-V068	Cask Washdown Pit Drain Isolation	C	I	ASME III-3				X
SFS-PL-V071	Refueling Cavity Overflow to SG Compartment	C	I	ASME III-3				X
SFS-PL-V072	Refueling Cavity Overflow to SG Compartment	C	I	ASME III-3				X
SFS-PY-C01	Spent Fuel Cooling Pump Discharge to IRWST	B	I	ASME III, MC		X		
SFS-PY-C02	Spent Fuel Cooling Pump Suction from IRWST	B	I	ASME III, MC		X		
Steam Generator System (SGS) Location: Containment and Auxiliary Building								
SGS-PL-V001A	LT001 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V001B	LT005 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V002A	LT001 Root Isolation Valve	B	I	ASME III-2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
SGS-PL-V002B	LT005 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V003A	LT002 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V003B	LT006 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V004A	LT002 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V004B	LT006 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V005A	LT003 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V005B	LT007 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V006A	LT003 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V006B	LT007 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V007A	LT004 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V007B	LT008 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V008A	LT004 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V008B	LT008 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V010A	LT011 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V010B	LT013 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V011A	LT011 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V011B	LT013 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V012A	LT012 Root Isolation Valve	B	I	ASME III-2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
SGS-PL-V012B	LT014 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V013A	LT012 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V013B	LT014 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V015A	FT021 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V015B	FT023 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V016A	FT020 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V016B	FT022 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V017A	FT021 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V017B	FT023 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V018A	FT020 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V018B	FT022 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V019A	Main Steam Line Vent Isolation	B	I	ASME III-2		X		
SGS-PL-V019B	Main Steam Line Vent Isolation	B	I	ASME III-2		X		
SGS-PL-V022A	PT030 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V022B	PT034 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V023A	PT031 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V023B	PT035 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V024A	PT032 Root Isolation Valve	B	I	ASME III-2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
SGS-PL-V024B	PT036 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V025A	PT033 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V025B	PT037 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V027A	PORV Block Valve SG 01	B	I	ASME III-2				X
SGS-PL-V027B	PORV Block Valve SG 02	B	I	ASME III-2				X
SGS-PL-V030A	Main Steam Safety Valve SG 01	B	I	ASME III-2				X
SGS-PL-V030B	Main Steam Safety Valve SG 02	B	I	ASME III-2				X
SGS-PL-V031A	Main Steam Safety Valve SG 01	B	I	ASME III-2				X
SGS-PL-V031B	Main Steam Safety Valve SG 02	B	I	ASME III-2				X
SGS-PL-V032A	Main Steam Safety Valve SG 01	B	I	ASME III-2				X
SGS-PL-V032B	Main Steam Safety Valve SG 02	B	I	ASME III-2				X
SGS-PL-V033A	Main Steam Safety Valve SG 01	B	I	ASME III-2				X
SGS-PL-V033B	Main Steam Safety Valve SG 02	B	I	ASME III-2				X
SGS-PL-V034A	Main Steam Safety Valve SG 01	B	I	ASME III-2				X
SGS-PL-V034B	Main Steam Safety Valve SG 02	B	I	ASME III-2				X
SGS-PL-V035A	Main Steam Safety Valve SG 01	B	I	ASME III-2				X
SGS-PL-V035B	Main Steam Safety Valve SG 02	B	I	ASME III-2				X
SGS-PL-V036A	Steam Line Condensate Drain Isolation	B	I	ASME III-2				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
SGS-PL-V036B	Steam Line Condensate Drain Isolation	B	I	ASME III-2				X
SGS-PL-V038A	Steam Line #1 Nitrogen Supply Isolation	B	I	ASME III-2		X		
SGS-PL-V038B	Steam Line #2 Nitrogen Supply Isolation	B	I	ASME III-2		X		
SGS-PL-V040A	Main Steam Line Isolation	B	I	ASME III-2				X
SGS-PL-V040B	Main Steam Line Isolation	B	I	ASME III-2				X
SGS-PL-V042A	MSIV Bypass Control Isolation	B	I	ASME III-2		X		
SGS-PL-V042B	MSIV Bypass Control Isolation	B	I	ASME III-2		X		
SGS-PL-V043A	MSIV Bypass Control Isolation	C	I	ASME III-3		X		
SGS-PL-V043B	MSIV Bypass Control Isolation	C	I	ASME III-3		X		
SGS-PL-V045A	SG 1 Condensate Pipe Drain Valve	B	I	ASME III-2		X		
SGS-PL-V045B	SG 2 Condensate Pipe Drain Valve	B	I	ASME III-2		X		
SGS-PL-V046A	LT015 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V046B	LT017 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V047A	LT015 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V047B	LT017 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V048A	LT016 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V048B	LT018 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V049A	LT016 Root Isolation Valve	B	I	ASME III-2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
SGS-PL-V049B	LT018 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V050A	LT044 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V050B	LT046 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V051A	LT044 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V051B	LT046 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V052A	LT045 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V052B	LT047 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V053A	LT045 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V053B	LT047 Root Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V056A	PT062 Root Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V056B	PT063 Root Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V057A	Main Feedwater Isolation	B	I	ASME III-2				X
SGS-PL-V057B	Main Feedwater Isolation	B	I	ASME III-2				X
SGS-PL-V058A	Main Feedwater Check	B	I	ASME III-2		X		
SGS-PL-V058B	Main Feedwater Check	B	I	ASME III-2		X		
SGS-PL-V062A	FT055A Root Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V062B	FT056A Root Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V063A	FT055A Root Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V063B	FT056A Root Isolation Valve	C	I	ASME III-3		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
						Method of Seismic Qualification		
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Analysis	Test	Combination
SGS-PL-V064A	FT055A Root Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V064B	FT056A Root Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V065A	FT055A Root Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V065B	FT056A Root Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V067A	Startup Feedwater Isolation	B	I	ASME III-2				X
SGS-PL-V067B	Startup Feedwater Isolation	B	I	ASME III-2				X
SGS-PL-V074A	SG Blowdown Isolation	B	I	ASME III-2				X
SGS-PL-V074B	SG Blowdown Isolation	B	I	ASME III-2				X
SGS-PL-V075A	SG Series Blowdown Isolation	C	I	ASME III-3				X
SGS-PL-V075B	SG Series Blowdown Isolation	C	I	ASME III-3				X
SGS-PL-V084A	SG 1 Nitrogen Sparging	B	I	ASME III-2		X		
SGS-PL-V084B	SG 2 Nitrogen Sparging	B	I	ASME III-2		X		
SGS-PL-V086A	Steam Line Condensate Drain Control	C	I	ASME III-3				X
SGS-PL-V086B	Steam Line Condensate Drain Control	C	I	ASME III-3				X
SGS-PL-V093A	Orifice Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V093B	Orifice Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V094A	Orifice Cleanout Line Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V094B	Orifice Cleanout Line Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V095A	Orifice Isolation Valve	C	I	ASME III-3		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
SGS-PL-V095B	Orifice Isolation Valve	C	I	ASME III-3		X		
SGS-PL-V096A	Steamline Condensate Drain Level Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V096B	Steamline Condensate Drain Level Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V097A	Steamline Condensate Drain Level Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V097B	Steamline Condensate Drain Level Isolation Valve	B	I	ASME III-2		X		
SGS-PL-V233A	Power Operated Relief Valve	C	I	ASME III-3				X
SGS-PL-V233B	Power Operated Relief Valve	C	I	ASME III-3				X
SGS-PL-V240A	MSIV Bypass Isolation	B	I	ASME III-2				X
SGS-PL-V240B	MSIV Bypass Isolation	B	I	ASME III-2				X
SGS-PL-V250A	Main Feedwater Control	C	I	ASME III-3				X
SGS-PL-V250B	Main Feedwater Control	C	I	ASME III-3				X
SGS-PL-V255A	Startup Feedwater Control	C	I	ASME III-3				X
SGS-PL-V255B	Startup Feedwater Control	C	I	ASME III-3				X
SGS-PL-V256A	Startup Feedwater Check Valve	C	I	ASME III-3		X		
SGS-PL-V256B	Startup Feedwater Check Valve	C	I	ASME III-3		X		
SGS-PY-C01A	Main Steam Line A Penetration	B	I	ASME III, MC		X		
SGS-PY-C01B	Main Steam Line B Penetration	B	I	ASME III, MC		X		
SGS-PY-C02A	Main Feedwater Line A Penetration	B	I	ASME III, MC		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
						Method of Seismic Qualification		
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Analysis	Test	Combination
SGS-PY-C02B	Main Feedwater Line B Penetration	B	I	ASME III, MC		X		
SGS-PY-C03A	Steam Generator A Blow- down Line Penetration	B	I	ASME III, MC		X		
SGS-PY-C03B	Steam Generator B Blow- down Line Penetration	B	I	ASME III, MC		X		
SGS-PY-C05A	Startup Feedwater Line A Penetration	B	I	ASME III, MC		X		
SGS-PY-C05B	Startup Feedwater Line B Penetration	B	I	ASME III, MC		X		
Nuclear Island Nonradioactive Ventilation System (VBS) Location: Auxiliary Building and Annex Building								
VBS-MP-01A	Sample Pump A	C	I	Manufacturer Std.				X
VBS-MP-01B	Sample Pump B	C	I	Manufacturer Std.				X
VBS-PL-V164	MCR Penetration Test Valve	C	I	ASME III-3		X		
VBS-PL-V165	MCR Penetration Test Valve	C	I	ASME III-3		X		
VBS-PL-V166	MCR Isolation Test Valve	C	I	ASME III-3		X		
VBS-PL-V167	MCR Isolation Test Valve	C	I	ASME III-3		X		
VBS-PL-V168	MCR Isolation Test Valve	C	I	ASME III-3		X		
VBS-PL-V169	MCR Isolation Test Valve	C	I	ASME III-3		X		
VBS-PL-V186	MCR Isolation Valve	C	I	ASME III-3				X
VBS-PL-V187	MCR Isolation Valve	C	I	ASME III-3				X
VBS-PL-V188	MCR Isolation Valve	C	I	ASME III-3				X
VBS-PL-V189	MCR Isolation Valve	C	I	ASME III-3				X
VBS-PL-V190	MCR Isolation Valve	C	I	ASME III-3				X
VBS-PL-V191	MCR Isolation Valve	C	I	ASME III-3				X
VBS-MA-10A	Ancillary Fan	D	NS	ANSI/AMCA 210, 211, 300	Equipment anchorage is Seismic Category II	X		
VBS-MA-10B	Ancillary Fan	D	NS	ANSI/AMCA 210, 211, 300	Equipment anchorage is Seismic Category II	X		
VBS-MA-11	Ancillary Fan	D	NS	ANSI/AMCA 210, 211, 300	Equipment anchorage is Seismic Category II	X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Method of Seismic Qualification		
						Analysis	Test	Combination
VBS-MA-12	Ancillary Fan	D	NS	ANSI/AMCA 210, 211, 300	Equipment anchorage is Seismic Category II	X		
Main Control Room Emergency Habitability System (VES) Location: Auxiliary Building								
VES-MD-D001A	Relief Damper	Note 1	I	ASME 509/510				X
VES-MD-D001B	Relief Damper	Note 1	I	ASME 509/510				X
VES-MT-01	Emergency Air Storage Tank 01	C	I	ASME VIII, Appendix 22		X		
VES-MT-02	Emergency Air Storage Tank 02	C	I	ASME VIII, Appendix 22		X		
VES-MT-03	Emergency Air Storage Tank 03	C	I	ASME VIII, Appendix 22		X		
VES-MT-04	Emergency Air Storage Tank 04	C	I	ASME VIII, Appendix 22		X		
VES-MT-05	Emergency Air Storage Tank 05	C	I	ASME VIII, Appendix 22		X		
VES-MT-06	Emergency Air Storage Tank 06	C	I	ASME VIII, Appendix 22		X		
VES-MT-07	Emergency Air Storage Tank 07	C	I	ASME VIII, Appendix 22		X		
VES-MT-08	Emergency Air Storage Tank 08	C	I	ASME VIII, Appendix 22		X		
VES-MT-09	Emergency Air Storage Tank 09	C	I	ASME VIII, Appendix 22		X		
VES-MT-10	Emergency Air Storage Tank 10	C	I	ASME VIII, Appendix 22		X		
VES-MT-11	Emergency Air Storage Tank 11	C	I	ASME VIII, Appendix 22		X		
VES-MT-12	Emergency Air Storage Tank 12	C	I	ASME VIII, Appendix 22		X		
VES-MT-13	Emergency Air Storage Tank 13	C	I	ASME VIII, Appendix 22		X		
VES-MT-14	Emergency Air Storage Tank 14	C	I	ASME VIII, Appendix 22		X		
VES-MT-15	Emergency Air Storage Tank 15	C	I	ASME VIII, Appendix 22		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
VES-MT-16	Emergency Air Storage Tank 16	C	I	ASME VIII, Appendix 22		X		
VES-MT-17	Emergency Air Storage Tank 17	C	I	ASME VIII, Appendix 22		X		
VES-MT-18	Emergency Air Storage Tank 18	C	I	ASME VIII, Appendix 22		X		
VES-MT-19	Emergency Air Storage Tank 19	C	I	ASME VIII, Appendix 22		X		
VES-MT-20	Emergency Air Storage Tank 20	C	I	ASME VIII, Appendix 22		X		
VES-MT-21	Emergency Air Storage Tank 21	C	I	ASME VIII, Appendix 22		X		
VES-MT-22	Emergency Air Storage Tank 22	C	I	ASME VIII, Appendix 22		X		
VES-MT-23	Emergency Air Storage Tank 23	C	I	ASME VIII, Appendix 22		X		
VES-MT-24	Emergency Air Storage Tank 24	C	I	ASME VIII, Appendix 22		X		
VES-MT-25	Emergency Air Storage Tank 25	C	I	ASME VIII, Appendix 22		X		
VES-MT-26	Emergency Air Storage Tank 26	C	I	ASME VIII, Appendix 22		X		
VES-MT-27	Emergency Air Storage Tank 27	C	I	ASME VIII, Appendix 22		X		
VES-MT-28	Emergency Air Storage Tank 28	C	I	ASME VIII, Appendix 22		X		
VES-MT-29	Emergency Air Storage Tank 29	C	I	ASME VIII, Appendix 22		X		
VES-MT-30	Emergency Air Storage Tank 30	C	I	ASME VIII, Appendix 22		X		
VES-MT-31	Emergency Air Storage Tank 31	C	I	ASME VIII, Appendix 22		X		
VES-MT-32	Emergency Air Storage Tank 32	C	I	ASME VIII, Appendix 22		X		
VES-PL-V001	Air Delivery Alternate Isolation Valve	C	I	ASME III-3				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
VES-PL-V002A	Pressure Regulating Valve A	C	I	ASME III-3				X
VES-PL-V002B	Pressure Regulating Valve B	C	I	ASME III-3				X
VES-PL-V005A	Air Delivery Main Isolation Valve A	C	I	ASME III-3				X
VES-PL-V005B	Air Delivery Main Isolation Valve B	C	I	ASME III-3				X
VES-PL-V006A	Air Delivery Line Pressure Instrument Isolation Valve A	C	I	ASME III-3		X		
VES-PL-V006B	Air Delivery Line Pressure Instrument Isolation Valve B	C	I	ASME III-3		X		
VES-PL-V016	Temporary Instrument Isolation Valve A	C	I	ASME III-3		X		
VES-PL-V018	Temporary Instrument Isolation Valve A	C	I	ASME III-3		X		
VES-PL-V019	Temporary Instrument Isolation Valve B	C	I	ASME III-3		X		
VES-PL-V020	Temporary Instrument Isolation Valve B	C	I	ASME III-3		X		
VES-PL-V022A	Pressure Relief Isolation Valve	C	I	ASME III-3				X
VES-PL-V022B	Pressure Relief Isolation Valve B	C	I	ASME III-3				X
VES-PL-V024A	Air Tank Isolation Valve A	C	I	ASME III-3		X		
VES-PL-V024B	Air Tank Isolation Valve B	C	I	ASME III-3		X		
VES-PL-V025A	Air Tank Isolation Valve A	C	I	ASME III-3		X		
VES-PL-V025B	Air Tank Isolation Valve B	C	I	ASME III-3		X		
VES-PL-V038	Makeup Air Stop Valve	C	I	ASME III-3		X		
VES-PL-V040A	Air Tank Safety Relief Valve A	C	I	ASME III-3				X
VES-PL-V040B	Air Tank Safety Relief Valve B	C	I	ASME III-3				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Method of Seismic Qualification		
						Analysis	Test	Combination
VES-PL-V041A	Air Tank Safety Relief Valve A	C	I	ASME III-3				X
VES-PL-V041B	Air Tank Safety Relief Valve B	C	I	ASME III-3				X
VES-PL-V043A	Differential Pressure Instrument Line Isolation Valve A	C	I	ASME III-3		X		
VES-PL-V043B	Differential Pressure Instrument Line Isolation Valve B	C	I	ASME III-3		X		
VES-PL-V044	Main Air Flowpath Isolation Valve	C	I	ASME III-3				X
Containment Air Filtration System (VFS) Location: Auxiliary Building and Annex Building								
VFS-PY-C01	Containment Supply Duct Penetration	B	I	ASME III, 2		X		
VFS-PY-C02	Containment Exhaust Duct Penetration	B	I	ASME III, 2		X		
VFS-MY-Y01	Containment Air Supply Debris Screen	C	I	ASME Sec. III Class 3		X		
VFS-MY-Y02	Containment Air Exhaust Debris Screen	C	I	ASME Sec. III Class 3		X		
VFS-PL-V003	Containment Purge Supply Containment Isolation Valve	B	I	ASME III-2				X
VFS-PL-V004	Containment Purge Supply Containment Isolation Valve	B	I	ASME III-2				X
VFS-PL-V008	Containment Isolation Test Connection	B	I	ASME III-2		X		
VFS-PL-V009	Containment Purge Discharge Containment Isolation Valve	B	I	ASME III-2				X
VFS-PL-V010	Containment Purge Discharge Containment Isolation Valve	B	I	ASME III-2				X
VFS-PL-V012	Containment Isolation Test Connection	B	I	ASME III-2		X		
VFS-PL-V015	Containment Isolation Test Connection	B	I	ASME III-2		X		
Containment Leak Rate Test System (VUS) Location: Auxiliary Building								

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
		AP1000	Seismic	Principal		Method of Seismic Qualification		
Tag Number	Description	Class	Category	Construction Code	Comments	Analysis	Test	Combination
VUS-PL-V015	Main Equipment Hatch Test Connection	B	I	ASME III-2		X		
VUS-PL-V016	Maintenance Equipment Hatch Test Connection	B	I	ASME III-2		X		
VUS-PL-V017	Personnel Hatch Test	B	I	ASME III-2		X		
VUS-PL-V018	Personnel Hatch Test	B	I	ASME III-2		X		
VUS-PL-V019	Personnel Hatch Test	B	I	ASME III-2		X		
VUS-PL-V020	Personnel Hatch Test	B	I	ASME III-2		X		
VUS-PL-V021	Personnel Hatch Test	B	I	ASME III-2		X		
VUS-PL-V022	Personnel Hatch Test	B	I	ASME III-2		X		
VUS-PL-V023	Fuel Transfer Tube Test Connection	B	I	ASME III-2		X		
VUS-PL-V101	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V102	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V103	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V104	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V109	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V110	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V111	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V112	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V113	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V114	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V115	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V116	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V117	Electrical Penetration Test	B	I	ASME III-2		X		

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Method of Seismic Qualification		
						Analysis	Test	Combination
VUS-PL-V118	Electrical Penetration Test	B	I	ASME III-2		X		
VUS-PL-V119	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V120	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V121	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V122	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V123	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V124	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V125	Electrical Penetration Test Isolation Valve	B	I	ASME III-2		X		
VUS-PL-V140	Spare Penetration Test Connection	B	I	ASME III-2		X		
VUS-PL-V141	Spare Penetration Test Connection	B	I	ASME III-2		X		
VUS-PL-V142	Spare Penetration Test Connection	B	I	ASME III-2		X		
Central Chilled Water System (VWS) Location: Various								
VWS-PY-C01	Containment Chilled Water Supply Penetration	B	I	ASME III, 2		X		
VWS-PY-C02	Containment Chilled Water Return Penetration	B	I	ASME III, 2		X		
VWS-PL-V058	Fan Coolers Supply Containment Isolation	B	I	ASME III-2				X
VWS-PL-V062	Fan Coolers Supply Containment Isolation	B	I	ASME III-2				X
VWS-PL-V080	VWS Containment Isolation Relief Valve	B	I	ASME III-2				X
VWS-PL-V082	Fan Coolers Return Containment Isolation	B	I	ASME III-2				X
VWS-PL-V086	Fan Coolers Return Containment Isolation	B	I	ASME III-2				X

AP1000 CLASSIFICATION OF MECHANICAL AND FLUID SYSTEMS, COMPONENTS, AND EQUIPMENT								
						Method of Seismic Qualification		
Tag Number	Description	AP1000 Class	Seismic Category	Principal Construction Code	Comments	Analysis	Test	Combination
VWS-PL-V424	Containment Penetration Test Connection	B	I	ASME III-2		X		
VWS-PL-V425	Containment Penetration Test Connection	B	I	ASME III-2		X		
Gaseous Radwaste System (WGS) Location: Auxiliary Building								
n/a	Guard and Delay Beds	D	NS	ASME VIII	Design for 1/2 SSE	X		
Liquid Radwaste System (WLS) Location: Containment, Auxiliary, and Radwaste Buildings								
WLS-PL-V055	Sump Discharge Containment Isolation IRC	B	I	ASME III-2				X
WLS-PL-V057	Sump Discharge Containment Isolation ORC	B	I	ASME III-2				X
WLS-PL-V058	WLS Containment Isolation Relief Valve	B	I	ASME III-2				X
WLS-PL-V067	RCDT Gas Outlet Containment Isolation IRC	B	I	ASME III-2				X
WLS-PL-V068	RCDT Gas Outlet Containment Isolation ORC	B	I	ASME III-2				X
WLS-PL-V071A	CVS Compartment to Sump	C	I	ASME III-3				X
WLS-PL-V071B	PXS A Compartment to Sump	C	I	ASME III-3				X
WLS-PL-V071C	PXS B Compartment to Sump	C	I	ASME III-3				X
WLS-PL-V072A	CVS Compartment to Sump	C	I	ASME III-3				X
WLS-PL-V072B	PXS A Compartment to Sump	C	I	ASME III-3				X
WLS-PL-V072C	PXS B Compartment to Sump	C	I	ASME III-3				X
WLS-PY-C02	Reactor Coolant Drain Tank WLS Connection Penetration	B	I	ASME III, 2		X		
WLS-PY-C03	Containment Sump Pumps Combined Discharge	B	I	ASME III, 2		X		