ArevaEPRDCPEm Resource

From: WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]
Sent: Friday, February 17, 2012 2:41 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (AREVA); DELANO Karen (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); WELLS Russell (AREVA)
Subject: Response to U.S. EPR Design Certification Application RAI No. 497 (5837), FSAR Ch. 3, Supplement 5
Attachments: RAI 497 Supplement 5 Response Final - US EPR DC.pdf

Getachew,

On August 11, 2011, AREVA NP provided a schedule for a technically correct and complete response to the 1 question in RAI 497. AREVA NP submitted Supplement 1 on September 9, 2011, Supplement 2 on October 7, 2011, Supplement 3 on November 17, 2011, and Supplement 4 on January 12, 2012 to revise the schedule for this response.

The attached file, "RAI 497 Supplement 5 Response Final - US EPR DC.pdf," provides a technically correct and complete final response to of the remaining question.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 497 Question 03.09.06-19.

The following table indicates the respective pages in the response document, "RAI 497 Supplement 5 Response Final - US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 497 — 03.09.06-19	2	3

This concludes the formal AREVA NP response to RAI 497, and there are no questions from this RAI for which AREVA NP has not provided responses.

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (CORP/QP)
Sent: Thursday, January 12, 2012 3:34 PM
To: Getachew.Tesfaye@nrc.gov
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WELLS Russell (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 497 (5837), FSAR Ch. 3, Supplement 4

Getachew,

On August 11, 2011, AREVA NP provided a schedule for a technically correct and complete response to the 1 question in RAI 497. AREVA NP submitted Supplement 1 on September 9, 2011, Supplement 2 on October 7, 2011, and Supplement 3 on November 17, 2011 to revise the schedule for this response. The schedule has been changed as provided below.

Question #	Response Date
RAI 497 — 03.09.06-19	**February 17, 2012**

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Thursday, November 17, 2011 1:09 PM
To: Getachew.Tesfaye@nrc.gov
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WELLS Russell (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 497 (5837), FSAR Ch. 3, Supplement 3

Getachew,

On August 11, 2011, AREVA NP provided a schedule for a technically correct and complete response to the 1 question in RAI 497. AREVA NP submitted Supplement 1 on September 9, 2011 and Supplement 2 on October 7, 2011 to revise the schedule for this response. The schedule has been changed as provided below.

Question #	Response Date
RAI 497 — 03.09.06-19	**January 12, 2012**

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Friday, October 07, 2011 11:37 AM
To: Getachew.Tesfaye@nrc.gov
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WELLS Russell (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 497 (5837), FSAR Ch. 3, Supplement 2

Getachew,

On August 11, 2011, AREVA NP provided a schedule for a technically correct and complete response to the 1 question in RAI 497. On September 9, 2011, AREVA NP submitted Supplement 1 to revise the schedule for this response. The schedule has been changed as provided below.

Question #	Response Date
RAI 497 — 03.09.06-19	**November 18, 2011**

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Friday, September 09, 2011 1:12 PM
To: Getachew.Tesfaye@nrc.gov
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WELLS Russell (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 497 (5837), FSAR Ch. 3, Supplement 1

Getachew,

On August 11, 2011, AREVA NP provided a schedule for a technically correct and complete response to the 1 question in RAI 497. The schedule has been changed as provided below.

Question #	Response Date
RAI 497 — 03.09.06-19	**October 9, 2011**

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B

Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: WILLIFORD Dennis (RS/NB)
Sent: Thursday, August 11, 2011 11:27 AM
To: Getachew.Tesfaye@nrc.gov
Cc: BENNETT Kathy (RS/NB); DELANO Karen (RS/NB); ROMINE Judy (RS/NB); RYAN Tom (RS/NB); WELLS Russell (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 497 (5837), FSAR Ch. 3

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 497 Response US EPR DC.pdf" provides a schedule since a technically correct and complete response to the 1 question cannot be provided at this time.

The following table indicates the respective pages in the response document, "RAI 497 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 497 — 03.09.06-19	2	2

A complete answer is not provided for the one question. The schedule for a technically correct and complete final response to this question is provided below

Question #	Response Date
RAI 497 — 03.09.06-19	September 9, 2011

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
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From: Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]
Sent: Tuesday, July 12, 2011 4:18 PM
To: ZZ-DL-A-USEPR-DL
Cc: Scarbrough, Thomas; Terao, David; Miernicki, Michael; Clark, Phyllis; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 497 (5837), FSAR Ch. 3

Attached please find the subject request for additional information (RAI). A draft of the RAI was provided to you on July 1, 2011, and on July 8, 2011, you informed us that the RAI is clear and no further clarification is needed. As a result, no change is made to the draft RAI. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any

RAIs that cannot be answered within 30 days, it is expected that a date for receipt of this information will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the published schedule.

Thanks,
Getachew Tesfaye
Sr. Project Manager
NRO/DNRL/NARP
(301) 415-3361

Hearing Identifier: AREVA_EPR_DC_RAIs
Email Number: 3753

Mail Envelope Properties (2FBE1051AEB2E748A0F98DF9EEE5A5D4AE95DC)

Subject: Response to U.S. EPR Design Certification Application RAI No. 497 (5837), FSAR Ch. 3, Supplement 5
Sent Date: 2/17/2012 2:41:05 PM
Received Date: 2/17/2012 2:40:42 PM
From: WILLIFORD Dennis (AREVA)

Created By: Dennis.Williford@areva.com

Recipients:
"BENNETT Kathy (AREVA)" <Kathy.Bennett@areva.com>
Tracking Status: None
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Tracking Status: None
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Tracking Status: None

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Files	**Size**	**Date & Time**
MESSAGE	8260	2/17/2012 2:40:42 PM
RAI 497 Supplement 5 Response Final - US EPR DC.pdf	887502	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Response to

Request for Additional Information No. 497(5837), Revision 0
Supplement 5

7/1/2011

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 03.09.06 - Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints
Application Section: 3.9.6

QUESTIONS for Component Integrity, Performance, and Testing Branch 1 (AP1000/EPR Projects) (CIB1)

Question 03.09.06-19:

OPEN ITEM

In reviewing the interim revision to the U.S. EPR FSAR, the NRC staff has determined that additional information is needed on Table 3.9.6-2, "Inservice Valve Testing Program Requirements," in the U.S. EPR FSAR. In particular, the applicant is requested to provide the following information:

a. Confirm that Table 3.9.6-2 specifies the applicable exercise requirement and position verification requirement for all manual valves (active or passive). See, for example, manual valves on pages 3.9-120 to 124, 129, 130, 141 to 143, 175, 176, 184, 185, 195, 196, 198, 199, 207 to 217, 223 to 227, 229, and 233.

b. Confirm that Table 3.9.6-2 specifies the applicable position verification requirement on a 2-year frequency for all relief valves with remote position indication. The applicant is also requested to discuss the basis for specifying some relief valves as passive valves. See, for example, relief valves on pages 3.9-126, 127, 177, 179 to 182, 204, and 235 to 237.

c. Revise Item E of Note 9 in Table 3.9.6-2 to be consistent with the 2-year exercise requirement for manual valves in 10 CFR 50.55a(b)(3)(vi) in lieu of the 5-year exercise requirement in the ASME OM Code.

Response to Question 03.09.06-19:

a. The following changes will be made to U.S. EPR FSAR Tier 2, Table 3.9.6-2, to address the NRC comment:

- The exercise test frequency for active manual valves will be revised to two years consistent with the requirement of 10 CFR 50.55a(b)(3)(vi). Item E of Note 9 in U.S. EPR FSAR Tier 2, Table 3.9.6-2, will be revised accordingly.

- Passive manual and motor-operated valves do not require an exercise test per Table ISTC-3500-1 of the ASME OM Code-2004. As noted in Table ISTC-3500-1 of the ASME OM Code-2004, passive Category B valves require a position indication (PI) verification at least once every two years and passive Category A valves require both a leakage test and a position indication verification. See, for example, changes on pages 3.9-122, 3.9-144, and 3.9-223.

b. The 2-year position indication verification frequency for all relief valves with remote position indication has been added to U.S. EPR FSAR Tier 2, Table 3.9.6-2. Any relief valves that were designated as passive have been changed to active.

c. See the response to item a.

d. Other changes to U.S. EPR FSAR Tier 2, Table 3.9.6-2, are described below:

- Revised the Valve Actuator Designator for Valve 30XJR10AA120 from SA (self actuated) to RLF (relief) and added RLF to Note 3 in U.S. EPR FSAR Tier 2, Table 3.9.6-2. 30XJR10AA120 is a rupture disk and is properly classified as a

Category D in accordance with the ASME OM code; whereas SA valves are Class C per the OM code.

- Added note "LT per 10 CFR 50, Appendix J" for valves in the QNJ, and SGB systems for consistency with U.S. EPR FSAR Tier 2, Table 6.2.4-1.

- The ASME Code Category for valves 30FAL10AA002 and 30FAL10AA003 has been changed from "P" to "A."

- The safety position for valve 30LAR41AA002 was corrected from opened to closed.

- Duplicate valve numbers were found for valves 30PEB21AA001 and 30PEB21AA002 on page 3.9-205. These were changed to 30PEB21AA006 and 30PEB21AA007, respectively.

- Check valves and relief valves with leakage testing requirements that have an ASME code category of Category A valve or a Category C were changed to Category A/C.

- Note 11 was added which states: "Safety and relief valves and nonreclosing pressure relief devices will meet the test requirements of Mandatory Appendix I of the ASME OM Code."

- The ASME code category for the following valves was changed from B to A since they have leakage testing specified in the "Test Required" column: 30JEW50AA021, 30LBA14AA101, 30LBA24AA101, 30LBA34AA101, 30LBA44AA101, 30PED10AA024, 30PED20AA024, 30PED30AA024, and 30PED40AA024.

- The safety position for all relief valves and rupture disk was changed to open/closed

- The stroke time test was deleted for the following valves since they are passive motor-operated valves: 30JNG13AA006 and 30JNG33AA502.

- A PI test was added for relief valve 30JEW50AA191 and check valve 30JNG13AA009.

FSAR Impact:

U.S. EPR FSAR Tier 2, Table 3.9.6-2, will be revised as described in the response and indicated on the enclosed markup. Note that some of these changes were made in U.S. EPR FSAR Revision 3 and boxed and flagged where the changes were made.

U.S. EPR Final Safety Analysis Report Markups

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 1 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30FAK10AA001	FPC to SFP Isolation	GT	MO	3	B	A	O/C	ET ST PI	~~2Y~~Q Q 2Y	
30FAK10AA004	FPC to SFP Isolation Bypass	GB	MA	3	B	A	O/C	ET PI	~~Q~~2Y 2Y	
30FAK11AA001	FPC Pump, 30FAK11AP001, Suction Isolation	GT	MA	3	B	P	O	PI	2Y	
30FAK12AA001	FPC Pump, 30FAK12AP001, Suction Isolation	GT	MA	3	B	P	O	PI	2Y	
30FAK11AA002	FPC Pump, 30FAK11AP001 Discharge Check	CK	SA	3	C	A	O	ET PI	Q 2Y	
30FAK11AA003	FPC Pump, 30FAK11AP001 Discharge Isolation	GT	MA	3	B	P	O	PI	2Y	
30FAK12AA002	FPC Pump, 30FAK12AP001 Discharge Check	CK	SA	3	C	A	O	ET PI	Q 2Y	
30FAK12AA003	FPC Pump, 30FAK12AP001 Discharge Isolation	GT	MA	3	B	P	O	PI	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 2 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30FAK10AA002	FPC Hx, 30FAK10AC001 Outlet Isolation	GT	MA	3	B	P	O	PI	2Y	
30FAK20AA001	FPC to SFP Isolation	GT	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30FAK20AA004	FPC to SFP Isolation Bypass	GB	MA	3	B	A	O/C	ET PI	2Y 2Y	
30FAK21AA001	FPC Pump, 30FAK21AP001, Suction Isolation	GT	MA	3	B	P	O	PI	2Y	
30FAK22AA001	FPC Pump, 30FAK22AP001, Suction Isolation	GT	MA	3	B	P	O	PI	2Y	
30FAK21AA002	FPC Pump, 30FAK21AP001 Discharge Check	CK	SA	3	C	A	O	ET PI	Q 2Y	
30FAK21AA003	FPC Pump, 30FAK21AP001 Discharge Isolation	GT	MA	3	B	P	O	PI	2Y	
30FAK22AA002	FPC Pump, 30FAK22AP001 Discharge Check	CK	SA	3	C	A	O	ET PI	Q 2Y	
30FAK20AA002	FPC Hx, 30FAK20AC001 Outlet Isolation	GT	MA	3	B	P	O	PI	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 3 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30FAK22AA003	FPC Pump, 30FAK22AP001 Discharge Isolation	GT	MA	3	B	P	O	PI	2Y	
30FAL12AA001	Reactor Pool Purification and Transfer Inner CIV	GT	MO	2	A	A	C	ET ST LT PI	CS CS 2Y 2Y	LT per 10 CFR 50, Appendix J
30FAL12AA002	Reactor Pool Purification and Transfer Outer CIV	GT	MO	2	A	A	C	ET ST LT PI	CS CS 2Y 2Y	LT per 10 CFR 50, Appendix J
30FAL15AA003	Reactor Pool Purification and Transfer Inner CIV	CK	SA	2	A/C	A	C	ET LT PI	CS 2Y 2Y	LT per 10 CFR 50, Appendix J
30FAL15AA002	Reactor Pool Purification and Transfer Outer CIV	GT	MO	2	A	A	C	ET ST LT PI	CS CS 2Y 2Y	LT per 10 CFR 50, Appendix J
30FAL10AA001	RB Pool Reactor Cavity Isolation	PL	MA	3	A	P	C	LT PI	2Y 2Y	Used to isolate non-safety downstream piping

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 4 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30FAL10AA002	RB Pool Internals Compartment Isolation	PL	MA	3	A	P	C	LT PI	2Y 2Y	Used to isolate non-safety downstream piping
30FAL10AA003	RB Pool ILCO Isolation	PL	MO	3	A	P	C	LT PI	2Y 2Y	Used to isolate non-safety downstream piping
30FAL10AA004	RB Pool Transfer Compartment Isolation	PL	MA	3	A	P	C	LT PI	2Y 2Y	Used to isolate non-safety downstream piping
30FAL10AA005	RB Pool Isolation	PL	MA	3	B	P	C	PI	2Y	Used to isolate non-safety downstream piping
30FAL11AA002	RB Pool Isolation Check	CK	SA	3	A/C	A	C	ET LT PI	Q 2Y 2Y	Used to isolate non-safety downstream piping

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 5 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30FAL16AA003	RB Pool Isolation	DI	MA	3	A	P	C	LT PI	2Y 2Y	Used to isolate non-safety downstream piping
30FAL20AA002	FB Pool Transfer Compartment Isolation	DI	MA	3	A	A	C	ET LT PI	2Y 2Y 2Y	Used to isolate non-safety downstream piping
30FAL20AA003	FB Pool CLP Isolation	DI	MA	3	A	A	C	ET LT PI	2Y 2Y 2Y	Used to isolate non-safety downstream piping
30FAL20AA004	RB Pool Isolation	DI	MA	3	A	A	C	ET LT PI	2Y 2Y 2Y	Used to isolate non-safety downstream piping
30FCJ05AA001	Fuel Transfer Tube Valve	GT	MA	3	A	P	C	LT PI	2Y 2Y	
30GHC74AA002	Demineralized Water Inside CIV	GB	MO	2	A	A	C	ET ST LT PI	CS CS 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 6 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30GHC74AA001	Demineralized Water Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	CS CS 2Y 2Y	LT per 10 CFR 50, Appendix J
30JAA10AA501	RPV High Point Vent (PIV)	GB	MO	1	A	P	C	LT PI	2Y 2Y	Pressure Isolation Valve
30JAA10AA502	RPV High Point Vent (PIV)	GB	MO	1	A	P	C	LT PI	2Y 2Y	Pressure Isolation Valve
30JDH10AA191	EBS Pump Discharge Safety Valve	RV	SA	2	C	A	C	ET PI	10Y 2Y	
30JDH40AA191	EBS Pump Discharge Safety Valve	RV	SA	2	C	A	C	ET PI	10Y 2Y	
30JDH10AA006	Extra Boration System Loop 1 and 2 Outside CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JDH40AA006	Extra Boration System Loop 3 and 4 Outside CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JDH10AA007	Extra Boration System Loop 1 and 2 Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 7 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JDH40AA007	Extra Boration System Loop 3 and 4 Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	LT per 10 CFR 50, Appendix J
30JDH10AA015	EBS RCS Isolation Valve	GB	MO	1	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30JDH20AA015	EBS RCS Isolation Valve	GB	MO	1	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30JDH30AA015	EBS RCS Isolation Valve	GB	MO	1	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30JDH40AA015	EBS RCS Isolation Valve	GB	MO	1	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30JDH20AA194	EBS Thermal Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JDH30AA194	EBS Thermal Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JEB10AA191	RCP Thermal Barrier Cooling Water Relief	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 9 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JEF10AA006	PDS (PIV)	GT	MO	1	A	P	C	LT PI	2Y 2Y	Pressure Isolation Valve
30JEF10AA007	PDS (PIV)	GB	MO	1	A	P	C	LT PI	2Y 2Y	Pressure Isolation Valve
30JEF10AA501	Pressurizer Vacuum Pump/ nitrogen Isolation (PIV)	GB	MO	1	A	P	C	LT PI	2Y 2Y	Pressure Isolation Valve
30JEF10AA502	Pressurizer Vacuum Pump/ nitrogen Isolation (PIV)	GB	MO	1	A	P	C	LT PI	2Y 2Y	Pressure Isolation Valve
30JEW01AA005	RCP Seal Injection Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JEW01AA006	RCP Seal Injection Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	CS 2Y 2Y	LT per 10 CFR 50, Appendix J
30JEW50AA021	RCP Seal Leakoff to KTA Isolation Valve	GB	MO	3	~~B~~A	A	O	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 10 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JEW50AA191	RCP Seal Leakoff Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30JEW50AA001	RCP Seal Leakoff Inside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JEW50AA002	RCP Seal Leakoff Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMM10AA006	Containment Inflating/deflating (Test Line) Inside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMM23AA001	Leak Off (Inside Containment To Annulus) Inside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMM21AA010	Leak Off (Outside Containment To Annulus)	GB	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30JMM30AA001	Pressure Measurement Inside CIV	GB	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 11 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JMM10AA007	Containment Inflating/ Deflating (Test Line) Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMM23AA002	Leak Off (Inside Containment To Annulus) Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMM21AA002 - AA008	Leak Off (Outside Containment To Annulus)	GB	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30JMM30AA003	Pressure Measurement Outside CIV	GB	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30JMQ40AA001	SAHRS Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMQ41AA001	SAHRS Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMQ41AA002	SAHRS Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 12 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JMQ42AA001	SAHRS Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMQ42AA002	SAHRS Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30JMQ43AA001	SAHRS Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMQ43AA002	SAHRS Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30JMU50AA075	HMS - analyser 1	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU50AA076	HMS - analyser 1 return to containment	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU50AA077	HMS - analyser 1	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 13 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JMU50AA078	HMS - analyser 1	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU50AA079	HMS - analyser 1	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU50AA080	HMS - analyser 1	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU50AA081	HMS - analyser 1	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU50AA082	HMS - analyser 1	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU50AA083	HMS - analyser 1	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 14 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JMU50AA084	HMS - analyser 1 return to containment	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU51AA085	HMS - analyser 2	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU51AA086	HMS - analyser 2 return to containment	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU51AA087	HMS - analyser 2	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU51AA088	HMS - analyser 2	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU51AA089	HMS - analyser 2	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 15 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JMU51AA090	HMS - analyser 2	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU51AA091	HMS - analyser 2	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU51AA092	HMS - analyser 2	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU51AA093	HMS - analyser 2	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JMU51AA094	HMS - analyser 2 return to containment	GB	SO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNA10AA001	RHR 1st RCPB Isolation Valve (PIV)	GT	MO	1	A	A	O/C	ET ST LT PI	CS CS 2Y 2Y	Pressure Isolation Valve

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 16 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNA10AA002	RHR 2nd RCPB Isolation Valve CIV (PIV)	GB	MO	1	A	A	O/C	ET ST LT PI	CS CS RF 2Y	LT per 10 CFR 50, Appendix J
30JNA10AA003	RHR Outside CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNA10AA009	RHR 1st RCPB Bypass Check Valve (PIV)	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNA10AA101	LHSI Heat Exchanger Bypass Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNA10AA191	RHR Suction Line Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNA20AA001	LHSI/RHR Suction Line/RHR Train 2 (PIV)	GT	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	Pressure Isolation Valve
30JNA20AA002	LHSI/RHR Suction Line/RHR Train 2 Inside CIV (PIV)	GB	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 17 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNA20AA003	LHSI/RHR Suction Line/RHR Train 2 Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNA20AA009	RHR 1st RCPB Bypass Check Valve (PIV)	Ck	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNA20AA101	LHSI/RHR Train 2 Hx Bypass	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30JNA20AA191	RHR Suction Line Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNA30AA001	LHSI/RHR Suction Line/RHR Train 3 (PIV)	GT	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	Pressure Isolation Valve
30JNA30AA002	LHSI/RHR Suction Line/RHR Train 3 Inside CIV (PIV)	GB	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNA30AA003	LHSI/RHR Suction Line/RHR Train 3 Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 18 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNA30AA009	RHR 1st RCPB Bypass Check Valve (PIV)	Ck	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNA30AA101	LHSI/RHR Train 3 Hx Bypass	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30JNA30AA191	RHR Suction Line Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNA40AA001	LHSI/RHR Suction Line/RHR Train 4 (PIV)	GT	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	Pressure Isolation Valve
30JNA40AA002	LHSI/RHR Suction Line/RHR Train 4 Inside CIV (PIV)	GB	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNA40AA003	LHSI/RHR Suction Line/RHR Train 4 Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNA40AA009	RHR 1st RCPB Bypass Check Valve (PIV)	Ck	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 19 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNA40AA101	LHSI/RHR Train 4 Hx Bypass	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30JNA40AA191	RHR Suction Line Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNA30AA004	LHSI Heat Exchanger Bypass Isolation Valve on Purification Line to CVCS	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNA40AA004	LHSI Heat Exchanger Bypass Isolation Valve on Purification Line to CVCS	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNA30AA006	LHSI Heat Exchanger Bypass Check Valve on Purification Line to CVCS	CK	SA	2	C	A	C	ET LT PI	Q RF 2Y	
30JNA40AA006	LHSI Heat Exchanger Bypass Check Valve on Purification Line to CVCS	CK	SA	2	C	A	C	ET LT PI	Q RF 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 20 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNA30AA103	LHSI Heat Exchanger Bypass Throttle Valve on Purification Line to CVCS	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNA40AA103	LHSI Heat Exchanger Bypass Throttle Valve on Purification Line to CVCS	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JND10AA001	MHSI Suction Isolation Valve	GB	MA	2	A	P	O	LT PI	2Y 2Y	
30JND10AA002	MHSI Outside CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JND10AA003	MHSI 2nd RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JND10AA004	MHSI Small Miniflow Line Isolation Valve	GB	MO	2	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30JND10AA005	MHSI Large Miniflow Line Isolation Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 21 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JND10AA007	MHSI Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30JND10AA103	MHSI Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JND20AA001	MHSI Suction Isolation Valve	GB	MA	2	A	P	O	LT PI	2Y 2Y	
30JND20AA002	MHSI Outside CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JND20AA003	MHSI 2nd RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JND20AA004	MHSI Small Miniflow Line Isolation Valve	GB	MO	2	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30JND20AA005	MHSI Large Miniflow Line Isolation Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JND20AA007	MHSI Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 22 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JND20AA103	MHSI Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JND30AA001	MHSI Suction Isolation Valve	GB	MA	2	A	P	O	LT PI	2Y 2Y	
30JND30AA002	MHSI Outside CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JND30AA003	MHSI 2nd RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JND30AA004	MHSI Small Miniflow Line Isolation Valve	GB	MO	2	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30JND30AA005	MHSI Large Miniflow Line Isolation Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JND30AA007	MHSI Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 23 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JND30AA103	MHSI Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JND40AA001	MHSI Suction Isolation Valve	GB	MA	2	A	P	O	LT PI	2Y 2Y	
30JND40AA002	MHSI Outside CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JND40AA003	MHSI 2nd RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JND40AA004	MHSI Small Miniflow Line Isolation Valve	GB	MO	2	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30JND40AA005	MHSI Large Miniflow Line Isolation Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JND40AA007	MHSI Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 24 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JND40AA103	MHSI Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG10AA192	LHSI Discharge Line Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNG10AA001	LHSI Suction Isolation Valve	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG10AA003	LHSI Radial Miniflow Line Check Valve	CK	SA	2	A/C	A	C	ET LT PI	Q 2Y 2Y	
30JNG10AA004	LHSI Tangential Miniflow Line Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	Q 2Y 2Y	
30JNG10AA006	LHSI 2nd RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG10AA009	LHSI Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30JNG10AA010	LHSI Cross-Connect Isolation Valve	GT	MO	2	A	P	O/C	LT PI	2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 25 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG10AA011	LHSI Cross-Connect Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	
30JNG10AA012	Cross-Connect Bypass Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	
30JNG10AA060	LHSI Outside Main CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNG10AA061	LHSI Outside Bypass CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNG10AA102	LHSI Heat Exchanger Main Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG10AA106	LHSI Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG12AA002	LHSI Hot Leg Injection Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 26 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG12AA001	LHSI Hot Leg Injection Isolation Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J
30JNG13AA101	Accumulator Depressurization Control Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30JNG13AA002	Accumulator Filling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30JNG13AA003	Accumulator Filling Line Check Valve	CK	SA	2	A/C	A	C	ET LT PI	CS 2Y 2Y	
30JNG13AA005	SIS 1st RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG13AA006	Accumulator-Nitrogen Distribution Isolation Valve	GB	MO	2	A	P	C	~~ST~~ LT PI	~~Q~~ 2Y 2Y	
30JNG13AA007	Accumulator-Nitrogen Distribution Check Valve	CK	SA	2	A/C	A	C	ET LT PI	CS 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 27 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG13AA008	Accumulator Isolation Valve	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG13AA009	Accumulator Check Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG13AA197	Accumulator Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNG13AA502	Accumulator Depressurization Isolation Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30JNG15AA001	Dead Leg Pressurization Valve	GB	MO	1	A	A	C	ET ST LT PI	CS CS 2Y 2Y	
30JNG15AA002	RCS Suction Line Pressurization Valve	GB	MO	1	A	A	C	ET ST LT PI	CS CS 2Y 2Y	
30JNG15AA003	Dead Leg Pressure Bypass Isolation Valve (PIV)	GB	MO	2	A	A	C	ET ST LT PI	CS CS 2Y 2Y	Pressure Isolation Valve

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 28 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG15AA004	Dead Leg Pressure Control Isolation Valve (PIV)	GB	MO	1	A	A	C	ET ST LT PI	CS CS RF 2Y	Pressure Isolation Valve, LT per 10 CFR 50, Appendix J
30JNG15AA005	Dead Leg Pressurization Bypass Check Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG20AA192	LHSI Discharge Line Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNG20AA001	LHSI Suction Isolation Valve	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG20AA003	LHSI Radial Miniflow Line Check Valve	CK	SA	2	A/C	A	C	ET LT PI	Q 2Y 2Y	
30JNG20AA004	LHSI Tangential Miniflow Line Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	Q 2Y 2Y	
30JNG20AA006	LHSI 2nd RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 29 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG20AA009	LHSI Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30JNG20AA010	LHSI Cross-Connect Isolation Valve	GT	MO	2	A	P	O/C	LT PI	2Y 2Y	
30JNG20AA011	LHSI Cross-Connect Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	
30JNG20AA060	LHSI Outside Main CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNG20AA061	LHSI Outside Bypass CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNG20AA102	LHSI Heat Exchanger Main Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG20AA106	LHSI Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 30 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG22AA002	LHSI Hot Leg Injection Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	
30JNG22AA001	LHSI Hot Leg Injection Isolation Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J
30JNG23AA002	Accumulator Filling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30JNG23AA003	Accumulator Filling Line Check Valve	CK	SA	2	A/C	A	C	ET LT PI	CS 2Y 2Y	
30JNG23AA005	SIS 1st RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG23AA006	Accumulator-Nitrogen Distribution Isolation Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30JNG23AA007	Accumulator-Nitrogen Distribution Check Valve	CK	SA	2	A/C	A	C	ET LT PI	CS 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 31 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG23AA008	Accumulator Isolation Valve	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG23AA009	Accumulator Check Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG23AA101	Accumulator Depressurization Control Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30JNG23AA197	Accumulator Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNG23AA502	Accumulator Depressurization Isolation Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30JNG25AA001	Dead Leg Pressurization Valve	GB	MO	1	A	A	C	ET ST LT PI	CS CS 2Y 2Y	
30JNG25AA002	RCS Suction Line Pressurization Valve	GB	MO	1	A	A	C	ET ST LT PI	CS CS 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 32 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG25AA003	Dead Leg Pressure Bypass Isolation Valve (PIV)	GB	MO	2	A	A	C	ET ST LT PI	CS CS 2Y 2Y	Pressure Isolation Valve
30JNG25AA004	Dead Leg Pressure Control Isolation Valve (PIV)	GB	MO	1	A	A	C	ET ST LT PI	CS CS RF 2Y	Pressure Isolation Valve, LT per 10 CFR 50, Appendix J
30JNG25AA005	Dead Leg Pressurization Bypass Check Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG30AA192	LHSI Discharge Line Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNG30AA001	LHSI Suction Isolation Valve	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG30AA003	LHSI Radial Miniflow Line Check Valve	CK	SA	2	A/C	A	C	ET LT PI	Q 2Y 2Y	
30JNG30AA004	LHSI Tangential Miniflow Line Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 33 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG30AA006	LHSI 2nd RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG30AA009	LHSI Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30JNG30AA010	LHSI Cross-Connect Isolation Valve	GT	MO	2	A	P	O/C	LT PI	2Y 2Y	
30JNG30AA011	LHSI Cross-Connect Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	
30JNG30AA060	LHSI Outside Main CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNG30AA061	LHSI Outside Bypass CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNG30AA102	LHSI Heat Exchanger Main Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 34 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG30AA106	LHSI Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG32AA002	LHSI Hot Leg Injection Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	
30JNG32AA001	LHSI Hot Leg Injection Isolation Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J
30JNG33AA002	Accumulator Filling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30JNG33AA003	Accumulator Filling Line Check Valve	CK	SA	2	A/C	A	C	ET LT PI	CS 2Y 2Y	
30JNG33AA005	SIS 1st RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG33AA006	Accumulator-Nitrogen Distribution Isolation Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 35 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG33AA007	Accumulator-Nitrogen Distribution Check Valve	CK	SA	2	A/C	A	C	ET LT PI	CS 2Y 2Y	
30JNG33AA008	Accumulator Isolation Valve	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG33AA009	Accumulator Check Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG33AA101	Accumulator Depressurization Control Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30JNG33AA197	Accumulator Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNG33AA502	Accumulator Depressurization Isolation Valve	GB	MO	2	A	P	C	~~ST~~ LT PI	~~Q~~ 2Y 2Y	
30JNG35AA001	Dead Leg Pressurization Valve	GB	MO	1	A	A	C	ET ST LT PI	CS CS 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 36 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG35AA005	Dead Leg Pressurization Bypass Check Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG35AA002	RCS Suction Line Pressurization Valve	GB	MO	1	A	A	C	ET ST LT PI	CS CS 2Y 2Y	
30JNG35AA003	Dead Leg Pressure Bypass Isolation Valve (PIV)	GB	MO	2	A	A	C	ET ST LT PI	CS CS 2Y 2Y	Pressure Isolation Valve
30JNG35AA004	Dead Leg Pressure Control Isolation Valve (PIV)	GB	MO	1	A	A	C	ET ST LT PI	CS CS RF 2Y	Pressure Isolation Valve, LT per 10 CFR 50, Appendix J
30JNG40AA192	LHSI Discharge Line Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNG40AA001	LHSI Suction Isolation Valve	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 37 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG40AA003	LHSI Radial Miniflow Line Check Valve	CK	SA	2	A/C	A	C	ET LT PI	Q 2Y 2Y	
30JNG40AA004	LHSI Tangential Miniflow Line Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	Q 2Y 2Y	
30JNG40AA006	LHSI 2nd RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG40AA007	SAHRS-IRWSTS 1st Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30JNG40AA008	SAHRS-IRWSTS 2nd Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30JNG40AA009	LHSI Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30JNG40AA010	LHSI Cross-Connect Isolation Valve	GT	MO	2	A	P	O/C	LT PI	2Y 2Y	
30JNG40AA011	LHSI Cross-Connect Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 38 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG40AA012	Cross-Connect Bypass Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	
30JNG40AA060	LHSI Outside Main CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNG40AA061	LHSI Outside Bypass CIV	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30JNG40AA102	LHSI Heat Exchanger Main Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG40AA106	LHSI Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG42AA002	LHSI Hot Leg Injection Check Valve	CK	SA	2	A/C	A	O/C	ET LT PI	CS 2Y 2Y	
30JNG42AA001	LHSI Hot Leg Injection Isolation Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 39 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG43AA002	Accumulator Filling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30JNG43AA003	Accumulator Filling Line Check Valve	CK	SA	2	A/C	A	C	ET LT PI	CS 2Y 2Y	
30JNG43AA005	SIS 1st RCPB Isolation Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG43AA006	Accumulator-Nitrogen Distribution Isolation Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30JNG43AA007	Accumulator-Nitrogen Distribution Check Valve	CK	SA	2	A/C	A	C	ET LT PI	CS 2Y 2Y	
30JNG43AA008	Accumulator Isolation Valve	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30JNG43AA009	Accumulator Check Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 40 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30JNG43AA101	Accumulator Depressurization Control Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30JNG43AA197	Accumulator Safety Relief Valve	RV	SA	2	C	A	O/C	ET PI	10Y 2Y	
30JNG43AA502	Accumulator Depressurization Isolation Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30JNG45AA001	Dead Leg Pressurization Valve	GB	MO	1	A	A	C	ET ST LT PI	CS CS 2Y 2Y	
30JNG45AA002	RCS Suction Line Pressurization Valve	GB	MO	1	A	A	C	ET ST LT PI	CS CS 2Y 2Y	
30JNG45AA003	Dead Leg Pressure Bypass Isolation Valve (PIV)	GB	MO	2	A	A	C	ET ST LT PI	CS CS 2Y 2Y	Pressure Isolation Valve
30JNG45AA004	Dead Leg Pressure Control Isolation Valve (PIV)	GB	MO	1	A	A	C	ET ST LT PI	CS CS RF 2Y	Pressure Isolation Valve, LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 41 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30JNG45AA005	Dead Leg Pressurization Bypass Check Valve (PIV)	CK	SA	1	A/C	A	O/C	ET LT PI	CS 2Y 2Y	Pressure Isolation Valve
30JNG10AA601	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNG20AA601	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNG30AA601	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNG40AA601	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNG10AA602	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 42 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30JNG20AA602	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNG30AA602	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNG40AA602	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNG10AA603	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNG20AA603	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNG30AA603	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 43 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30JNG40AA603	LHSI Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	
30JNG13AA602	Accumulator Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET LT PI	Q RF 2Y	
30JNG23AA602	Accumulator Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET LT PI	Q RF 2Y	
30JNG33AA602	Accumulator Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET LT PI	Q RF 2Y	
30JNG43AA602	Accumulator Sampling Line Isolation Valve	GB	MO	2	A	A	C	ET LT PI	Q RF 2Y	
30JNK10AA001	IRWST 3-Way Isolation Valve	GB	MO	2	A	A	O	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J
30JNK20AA001	IRWST 3-Way Isolation Valve	GB	MO	2	A	A	O	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 44 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30JNK30AA001	IRWST 3-Way Isolation Valve	GB	MO	2	A	A	O	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J
30JNK40AA001	IRWST 3-Way Isolation Valve	GB	MO	2	A	A	O	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J
30JNK10AA009	1st CVCS Suction Isolation Valve From IRWST	GB	MO	2	A	A	O	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J
30JNK11AA009	1st SAHRS Suction Isolation Valve from IRWST	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J
30JNK10AA010	SIS-IRWST Miniflow Line Check Valve	CK	SA	2	C	A	O/C	ET PI	CS 2Y	
30JNK11AA010	SIS-IRWST Miniflow Line Check Valve	CK	SA	2	C	A	O/C	ET PI	CS 2Y	
30JNK10AA011	SIS-IRWST Miniflow Line Check Valve	CK	SA	2	C	A	O/C	ET PI	CS 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 45 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30JNK11AA011	SIS-IRWST Miniflow Line Check Valve	CK	SA	2	C	A	O/C	ET PI	CS 2Y	
30JNK10AA045	Annulus Region Drain Line Isolation Valve (CVCS Suction Line)	GB	MA	2	A	P	C	LT PI	2Y 2Y	
30JNK11AA045	Annulus Region Drain Line Isolation Valve (SAHRS Suction Line)	GB	MA	2	A	P	C	LT PI	2Y 2Y	
30JNK10AA013	2nd CVCS Suction Isolation Valve From IRWST	GB	MO	2	A	A	C	ET ST LT PI	Q Q RF 2Y	LT per 10 CFR 50, Appendix J
30KAA10AA004	CCW Hx (KAA10 AC001) Outlet Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30KAA10AA006	Quick Closing Valve for KAA10 to Common1B	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 46 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KAA10AA010	Quick Closing Valve for Common1B to KAA10	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA10AA027	Isolation Valve for Demin Water to CCW TRN10	DI	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KAA10AA032	Quick Closing Valve for Common1A to KAA10	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA10AA033	Quick Closing Valve for KAA10 to Common1A	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA10AA112	Bypass Control Valve for KAA10 AC001	BF	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA12AA005	CCW Isolation Valve for LHSI HX 1	BF	MO	3	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30KAA12AA012	Check Valve Downstream LHSI HX 10	CK	SA	3	C	A	O	ET PI	Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 47 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KAA20AA004	CCW Hx (KAA20 AC001) Outlet Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30KAA20AA006	Quick Closing Valve for KAA20 to Common1B	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA20AA010	Quick Closing Valve for Common1B to KAA20	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA20AA027	Isolation Valve for Demin Water to CCW TRN20	DI	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KAA20AA032	Quick Closing Valve for Common1A to KAA20	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA20AA033	Quick Closing Valve for KAA20 to Common1A	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA20AA112	Bypass Control Valve for KAA20 AC001	BF	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 48 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KAA22AA005	CCW Isolation Valve for LHSI HX 2	BF	MO	3	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30KAA22AA012	Check Valve Downstream LHSI HX 20	CK	SA	3	C	A	O	ET PI	Q 2Y	
30KAA22AA013	CCW Isolation Valve to LHSI PP20 Seal Cooler	DI	MO	3	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30KAA22AA014	Check Valve Downstream LHSI PP 20	CK	SA	3	C	A	O	ET PI	Q 2Y	
30KAA22AA101	3 Way Control Valve for QKA20 AC002	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30KAA30AA004	CCW Hx (KAA30 AC001) Outlet Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30KAA30AA006	Quick Closing Valve for KAA30 to Common2B	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 49 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KAA30AA010	Quick Closing Valve for Common2B to KAA30	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA30AA027	Isolation Valve for Demin Water to CCW TRN30	DI	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KAA30AA032	Quick Closing Valve for Common2A to KAA30	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA30AA033	Quick Closing Valve for KAA30 to Common2A	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA30AA112	Bypass Control Valve for KAA30 AC001	BF	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA32AA005	CCW Isolation Valve for LHSI HX 3	BF	MO	3	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30KAA32AA012	Check Valve Downstream LHSI HX 30	CK	SA	3	C	A	O	ET PI	Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 50 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KAA32AA013	CCW Isolation Valve to LHSI PP30 Seal Cooler	DI	MO	3	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30KAA32AA014	Check Valve Downstream LHSI PP 30	CK	SA	3	C	A	O	ET PI	Q 2Y	
30KAA32AA101	3 Way Control Valve for QKA30 AC002	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30KAA40AA004	CCW Hx (KAA40 AC001) Outlet Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30KAA40AA006	Quick Closing Valve for KAA40 to Common2B	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA40AA010	Quick Closing Valve for Common2B to KAA40	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA40AA027	Isolation Valve for Demin Water to CCW TRN40	DI	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 51 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KAA40AA032	Quick Closing Valve for KAA40 to Common2A	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA40AA033	Quick Closing Valve for Common2A to KAA40	BF	HO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA40AA112	Bypass Control Valve for KAA40 AC001	BF	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30KAA42AA005	CCW Isolation Valve for LHSI HX 4	BF	MO	3	A	A	O	ET ST LT PI	Q Q 2Y 2Y	
30KAA42AA012	Check Valve Downstream LHSI HX 40	CK	SA	3	C	A	O	ET PI	Q 2Y	
30KAA20AA013	Common 1.B Supply Manual Isolation Valve	BF	MA	3	B	A	O/C	ET	2Y	
30KAA20AA014	Common 1.B Return Manual Isolation Valve	BF	MA	3	B	A	O/C	ET	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 52 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30KAA30AA013	Common 2.B Supply Manual Isolation Valve	BF	MA	3	B	A	O/C	ET	2Y	
30KAA30AA014	Common 2.B Return Manual Isolation Valve	BF	MA	3	B	A	O/C	ET	2Y	
30KAB10AA192	RV Downstream Common 1B	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30KAB80AA015	Supply Isolation Operational Chilled Water Users	BF	HO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KAB80AA016	Supply Isolation Operational Chilled Water Users	BF	HO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KAB80AA019	Return Isolation Operational Chilled Water Users	BF	HO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KAB80AA020	Return Common 1B	CK	SA	3	C	A	C	ET PI	Q 2Y	
30KAB30AA049	RCP Thermal Barrier 1 and 2 Supply Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 53 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30KAB30AA050	Supply Thermal Barrier 1 and 2 Inside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB30AA051	RCP Thermal Barrier 1 and 2 Return Inside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB30AA052	RCP Thermal Barrier 1 and 2 Return Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB30AA191	RV Downstream Thermal Barrier 1 and 2	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30KAB40AA001	Supply KLA / KT Users Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB40AA002	Supply Common 1B Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30KAB40AA006	Return KLA / KT Users Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 54 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30KAB40AA012	Return KLA / KT Users Inside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB40AA194	RV Downstream Cont. HVAC	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30KAB60AA013	Supply KBA, RCP 1 and 2 Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB60AA014	Supply RCP 1and 2 Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30KAB60AA018	Return KBA, RCP 1 and 2 Inside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB60AA019	Return KBA, RCP 1 and 2 Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB60AA191	RV Return CVCS HP CL1	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 55 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30KAB10AA193	RV Downstream FPCS HX1	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30KAB20AA192	RV Downstream Common 2B	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30KAB30AA054	Supply Thermal Barrier 3 and 4 Inside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB30AA055	RCP Thermal Barrier 3 and 4 Return Inside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB30AA056	RCP Thermal Barrier 3 and 4 Return Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB30AA053	RCP Thermal Barrier 3 and 4 supply Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB30AA192	RV Downstream TH BARR 3 and 4	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 56 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30KAB70AA013	Supply KBA, RCP 3 and 4 Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB70AA014	Supply RCP 3 and 4 Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30KAB70AA018	Return KBA, RCP 3 and 4 Inside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB70AA019	Return KBA, RCP 3 and 4 Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KAB70AA191	RV Return CVCS HP CL2	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30KAB50AA001	Supply Isolation Nuclear Auxiliary and Radwaste Buildings	BF	HO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KAB50AA004	Return Isolation Nuclear Auxiliary and Radwaste Buildings	BF	HO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 57 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30KAB50AA006	Supply Isolation Nuclear Auxiliary and Radwaste Buildings	BF	HO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KAB50AA008	Return Common 2B	CK	SA	3	C	A	C	ET PI	Q 2Y	
30KAB20AA193	RV Downstream FPCS HX2	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30KBA10AA001	Reactor Coolant Pressure Boundary Isolation Valve	GB	MO	1	B	A	C	ET ST PI	Q Q 2Y	
30KBA10AA002	RC Pressure Boundary Isolation Valve	GB	MO	1	B	A	C	ET ST PI	Q Q 2Y	
30KBA14AA012	Letdown Line Check Valve	CK	SA	3	C	A	C	ET PI	Q 2Y	
30KBA14AA191	Letdown Line Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30KBA14AA002	CVCS Letdown Inside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 58 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30KBA14AA003	CVCS Letdown Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KBA21AA001	Boron Dilution Valve	GB	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30KBA21AA009	Boron Dilution Valve	GB	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30KBA25AA017	Boron Dilution Valve	GB	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30KBA34AA002	CVCS Charging Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KBA34AA003	CVCS Charging Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30KBA34AA191	Charging Line Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30KBA35AA001	Pressurizer Auxiliary Spray Isolation Valve	GB	MO	3	B	A	C	ET ST PI	Q Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 59 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KBA35AA002	Pressurizer Auxiliary Spray Check Valve	CK	SA	1	A/C	A	C	ET LT PI	Q 2Y 2Y	
30KBA34AA012	Charging Line Isolation Valve	GB	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30KBA34AA018	RC Pressure Boundary Check Valve	CK	SA	1	C	A	C	ET PI	Q 2Y	
30KBA34AA019	RC Pressure Boundary Check Valve	CK	SA	1	C	A	C	ET PI	Q 2Y	
30KBA34AA020	RC Pressure Boundary Check Valve	CK	SA	1	C	A	C	ET PI	Q 2Y	
30KBA34AA021	RC Pressure Boundary Check Valve	CK	SA	1	C	A	C	ET PI	Q 2Y	
30KLA10AA001	Small Flow Supply - Outside CIV	BF	AO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA10AA003	Small Flow Supply - Inside CIV	GT	AO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 60 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KLA30AA002	Large Flow Supply - Outside CIV	BF	AO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA30AA003	Large Flow Supply - Inside CIV	BF	AO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA20AA001	Small Flow Return - Inside CIV	GT	AO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA20AA003	Small Flow Return - Outside CIV	BF	AO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA40AA001	Large Flow Return - Inside CIV	BF	AO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA40AA002	Large Flow Return - Outside CIV	BF	AO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA60AA701	CEC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 61 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KLA60AA702	CEC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA60AA703	CEC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA60AA704	CEC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA70AA701	CSC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA70AA702	CSC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA70AA703	CSC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA70AA704	CSC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA70AA706	CSC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA70AA707	CSC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 62 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KLA70AA708	CSC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30KLA70AA709	CSC pressure	GT	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30KPL84AA002	GWPS – to RCDT & PRT	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KPL84AA003	GWPS – to RCDT & PRT	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KPL85AA003	GWPS – from RCDT & PRT	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KPL85AA004	GWPS – from RCDT & PRT	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KTA10AA017	Nuclear Island Vents and Drains Inside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 63 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KTA10AA018	Nuclear Island Vents and Drains Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KTC10AA005	Floor Drain 1 RB Inside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KTC10AA006	Floor Drain 1 RB Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KTC10AA010	Chemical Reinjection Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KTC10AA029	Chemical Reinjection Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KTD10AA015	Floor Drain 2 RB Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KTD10AA024	Floor Drain 2 RB Inside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 64 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KTD10AA025	Annulus Drain Outside CIV	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KTD10AA008	Annulus Drain Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KUA10AA002	RCS Hot Leg 1 Sample Isolation	GT	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KUA10AA003	RCS Hot Leg 1 Sample Inside CIV	GT	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KUA10AA004	RCS Hot Leg 1 Sample Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KUA20AA001	Pressurizer Sample Isolation	GT	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KUA20AA002	Pressurizer Sample Inside CIV	GT	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 65 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KUA20AA003	Pressurizer Sample Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KUA30AA002	RCS Crossover Leg 3 Sample Isolation	GT	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30KUA30AA003	RCS Crossover Leg 3 Sample Inside CIV	GT	MO	1	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KUA30AA004	RCS Crossover Leg 3 Sample Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KUB10AA001	Accumulator Sample Inside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KUB10AA002	Accumulator Sample Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 66 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30KUL51AA002	Severe Accident Sampling Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KUL51AA003	Severe Accident Sampling Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KUL52AA002	Severe Accident Sampling Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30KUL52AA003	Severe Accident Sampling Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30LAB60AA003	MFW Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	CS RF 2Y	
30LAB70AA003	MFW Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	CS RF 2Y	
30LAB80AA003	MFW Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	CS RF 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 67 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LAB90AA003	MFW Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	CS RF 2Y	
30LAB60AA002	MFW Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB70AA002	MFW Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB80AA002	MFW Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB90AA002	MFW Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB60AA001	MFW Full Load Isolation	GT	HO / PA / SA	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB70AA001	MFW Full Load Isolation	GT	HO / PA / SA	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 68 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LAB80AA001	MFW Full Load Isolation	GT	HO / PA / SA	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB90AA001	MFW Full Load Isolation	GT	HO / PA / SA	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB64AA001	MFW Low Load Isolation	GT	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB74AA001	MFW Low Load Isolation	GT	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB84AA001	MFW Low Load Isolation	GT	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB94AA001	MFW Low Load Isolation	GT	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 69 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LAB60AA101	MFW Full Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB70AA101	MFW Full Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB80AA101	MFW Full Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB90AA101	MFW Full Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB64AA101	MFW Low Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB74AA101	MFW Low Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 70 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LAB84AA101	MFW Low Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB94AA101	MFW Low Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB64AA102	MFW Very Low Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB74AA102	MFW Very Low Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB84AA102	MFW Very Low Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAB94AA102	MFW Very Low Load Control Valve	GB	MO	3	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LAR11AA001	EFW Train 1 Pump Suction Isolation	DI	MA	3	B	P	O	PI	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 71 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LAR11AA002	EFW Train 1 Pump Min-Flow Check Valve	CK	SA	3	C	A	O/C	ET PI	CS 2Y	
30LAR11AA103	EFW Train 1 Flow Control Valve	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30LAR11AA004	EFW Train 1 Pump Discharge Isolation	GT	MA	3	B	P	O	PI	2Y	
30LAR11AA105	EFW Train 1 Level Control Valve	GB	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LAR11AA006	EFW Train 1 Outside CIV	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LAR11AA007	EFW Train 1 Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	
30LAR13AA001	EFW Train 1 Supply Header Isolation	GT	MA	3	A	A	O/C	ET LT PI	2Y 2Y 2Y	
30LAR14AA001	EFW Train 1 Discharge Header Isolation	GB	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 72 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LAR21AA001	EFW Train 2 Pump Suction Isolation	DI	MA	3	B	P	O	PI	2Y	
30LAR21AA002	EFW Train 2 Pump Min-Flow Check Valve	CK	SA	3	C	A	O/C	ET PI	CS 2Y	
30LAR21AA103	EFW Train 2 Flow Control Valve	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30LAR21AA004	EFW Train 2 Pump Discharge Isolation	GT	MA	3	B	P	O	PI	2Y	
30LAR21AA105	EFW Train 2 Level Control Valve	GB	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LAR21AA006	EFW Train 2 Outside CIV	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LAR21AA007	EFW Train 2 Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	
30LAR23AA001	EFW Train 2 Supply Header Isolation	GT	MA	3	A	A	O/C	ET LT PI	2Y 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 73 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LAR24AA001	EFW Train 2 Discharge Header Isolation	GB	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LAR31AA001	EFW Train 3 Pump Suction Isolation	DI	MA	3	B	P	O	PI	2Y	
30LAR31AA002	EFW Train 3 Pump Min-Flow Check Valve	CK	SA	3	C	A	O/C	ET PI	CS 2Y	
30LAR31AA103	EFW Train 3 Flow Control Valve	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30LAR31AA004	EFW Train 3 Pump Discharge Isolation	GT	MA	3	B	P	O	PI	2Y	
30LAR31AA105	EFW Train 3 Level Control Valve	GB	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LAR31AA006	EFW Train 3 Outside CIV	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LAR31AA007	EFW Train 3 Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 74 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LAR33AA001	EFW Train 3 Supply Header Isolation	GT	MA	3	A	A	O/C	ET LT PI	2Y 2Y 2Y	
30LAR34AA001	EFW Train 3 Discharge Header Isolation	GB	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LAR41AA001	EFW Train 4 Pump Suction Isolation	DI	MA	3	B	P	O	PI	2Y	
30LAR41AA002	DWDS Check Valve	CK	SA	3	C	A	C	ET PI	CS 2Y	
30LAR41AA103	EFW Train 4 Flow Control Valve	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30LAR41AA004	EFW Train 4 Pump Discharge Isolation	GT	MA	3	B	P	O	PI	2Y	
30LAR41AA105	EFW Train 4 Level Control Valve	GB	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LAR41AA006	EFW Train 4 Outside CIV	GT	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 75 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LAR41AA007	EFW Train 4 Inside CIV	CK	SA	2	A/C	A	O/C	ET LT PI	CS RF 2Y	
30LAR43AA001	EFW Train 4 Supply Header Isolation	GT	MA	3	A	A	O/C	ET LT PI	2Y 2Y 2Y	
30LAR44AA001	EFW Train 4 Discharge Header Isolation	GB	MO	3	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LAR04AA001	DWDS Isolation Valve	GB	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30LBA10AA002	Main Steam Isolation Valve	GT	HO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LBA20AA002	Main Steam Isolation Valve	GT	HO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LBA30AA002	Main Steam Isolation Valve	GT	HO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 76 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LBA40AA002	Main Steam Isolation Valve	GT	HO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LBA14AA001	Warmup Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LBA24AA001	Warmup Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LBA34AA001	Warmup Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LBA44AA001	Warmup Line Isolation Valve	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LBA10AA441	Warmup Drain Line Isolation Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30LBA20AA441	Warmup Drain Line Isolation Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 77 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30LBA30AA441	Warmup Drain Line Isolation Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30LBA40AA441	Warmup Drain Line Isolation Valve	GB	MO	2	A	P	C	LT PI	2Y 2Y	
30LBA10AA444	Warmup Drain Line Isolation Valve	GB	MO	3	B	P	C	PI	2Y	
30LBA10AA444	Warmup Drain Line Isolation Valve	GB	MO	3	B	P	C	PI	2Y	
30LBA10AA444	Warmup Drain Line Isolation Valve	GB	MO	3	B	P	C	PI	2Y	
30LBA10AA444	Warmup Drain Line Isolation Valve	GB	MO	3	B	P	C	PI	2Y	
30LBA14AA101	Warmup Control Valve	GB	MO	3	A~~B~~	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LBA24AA101	Warmup Control Valve	GB	MO	3	A~~B~~	A	C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 78 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30LBA34AA101	Warmup Control Valve	GB	MO	3	A~~B~~	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LBA44AA101	Warmup Control Valve	GB	MO	3	A~~B~~	A	C	ET ST LT PI	Q Q 2Y 2Y	
30LBA10AA442	Warmup Drain Line Isolation Valve	GB	MO	3	B	P	C	PI	2Y	
30LBA20AA442	Warmup Drain Line Isolation Valve	GB	MO	3	B	P	C	PI	2Y	
30LBA30AA442	Warmup Drain Line Isolation Valve	GB	MO	3	B	P	C	PI	2Y	
30LBA40AA442	Warmup Drain Line Isolation Valve	GB	MO	3	B	P	C	PI	2Y	
30LBA13AA001	Main Steam Relief Isolation Valve	GB	PA/SO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 79 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LBA23AA001	Main Steam Relief Isolation Valve	GB	PA/SO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LBA33AA001	Main Steam Relief Isolation Valve	GB	PA/SO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LBA43AA001	Main Steam Relief Isolation Valve	GB	PA/SO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LBA13AA101	Main Steam Relief Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LBA23AA101	Main Steam Relief Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LBA33AA101	Main Steam Relief Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 80 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LBA43AA101	Main Steam Relief Control Valve	GB	MO	2	A	A	O/C	ET ST LT PI	Q Q 2Y 2Y	
30LBA11AA191	Main Steam Safety Valve	RV	SA	2	A/C	A	O/C	ET LT PI	5Y 5Y 2Y	
30LBA21AA191	Main Steam Safety Valve	RV	SA	2	A/C	A	O/C	ET LT PI	5Y 5Y 2Y	
30LBA31AA191	Main Steam Safety Valve	RV	SA	2	A/C	A	O/C	ET LT PI	5Y 5Y 2Y	
30LBA41AA191	Main Steam Safety Valve	RV	SA	2	A/C	A	O/C	ET LT PI	5Y 5Y 2Y	
30LBA12AA191	Main Steam Safety Valve	RV	SA	2	A/C	A	O/C	ET LT PI	5Y 5Y 2Y	
30LBA22AA191	Main Steam Safety Valve	RV	SA	2	A/C	A	O/C	ET LT PI	5Y 5Y 2Y	
30LBA32AA191	Main Steam Safety Valve	RV	SA	2	A/C	A	O/C	ET LT PI	5Y 5Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 81 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30LBA42AA191	Main Steam Safety Valve	RV	SA	2	A/C	A	O/C	ET LT PI	5Y 5Y 2Y	
30LCA90AA003	MC to BD Clrs	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30LCA90AA004	MC to BD Clrs	CK	SA	2	A/C	A	C	ET LT PI	Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30LCA90AA005	MC from BD Clrs	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30LCA90AA006	MC from BD Clrs	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30LCA90AA195	MC from BD Clrs – Relief Valve	RV	SA	2	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30LCQ51AA002	SG BD Clrs	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 82 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30LCQ51AA003	SG BD Clrs	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30LCQ52AA001	SG BD Clrs	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30LCQ52AA002	SG BD Clrs	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30PEB10AA002	Recirc Isolation PEB10 AP001	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30PEB10AA003	Emergency Blowdown Isolation PEB10	BF	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB10AA005	Pump Discharge Isolation PEB10 AP001	BF	MO	3	A	A	O	ET ST PI LT	Q Q 2Y 2Y	
30PEB10AA004	Filter Emergency Blowdown Isolation Valve	GT	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 83 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30PEB20AA004	Filter Emergency Blowdown Isolation Valve	GT	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB30AA004	Filter Emergency Blowdown Isolation Valve	GT	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB40AA004	Filter Emergency Blowdown Isolation Valve	GT	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB10AA007	Isolation Upstream KAA10 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB10AA009	Isolation Downstream KAA10 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB10AA015	Filter Blowdown Isolation PEB10 AP001	GT	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB10AA016	Blowdown Isolation PEB10	GB	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 84 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30PEB10AA027	Isolation Upstream KAA10 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB10AA029	Isolation Downstream KAA10 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB20AA027	Isolation Upstream KAA20 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB20AA029	Isolation Downstream KAA20 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB30AA027	Isolation Upstream KAA30 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB30AA029	Isolation Downstream KAA30 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB40AA027	Isolation Upstream KAA40 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB40AA029	Isolation Downstream KAA40 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB10AA190	Air Release from Filter 30PEB10AT002	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 85 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30PEB11AA191	Vacuum Breaker Downstream SAQ10 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	2Y 2Y 2Y	
30PEB10AA192	Thermal Relief Downstream KAA10 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB10AA204	Pump Discharge Check PEB10 AP001	CK	SA	3	A/C	A	O	ET LT PI	Q 2Y 2Y	
30PEB11AA001	Isolation Upstream SAQ10 AC001	GB	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB11AA002	Isolation Downstream SAQ10 AC001	GB	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB21AA001	Isolation Upstream XJG10 AC002	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB21AA002	Isolation Downstream XJG10 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB21AA195	Air Release 30XJG10 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB21AA196	Thermal Relief Downstream 30XJG10 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 86 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30PEB20AA002	Recirculation Isolation PEB20 AP001	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30PEB20AA003	Emergency Blowdown Isolation PEB20	BF	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB20AA005	Pump Discharge Isolation PEB20 AP001	BF	MO	3	A	A	O	ET ST PI LT	Q Q 2Y 2Y	
30PEB20AA007	Isolation Upstream KAA20 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB20AA009	Isolation Downstream KAA20 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB20AA015	Filter Blowdown Isolation PEB20 AP001	GT	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB20AA016	Blowdown Isolation PEB20	GB	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 87 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30PEB20AA190	Air Release from Filter 30PEB20AT002	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB21AA191	Vacuum Breaker Downstream SAQ20 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	2Y 2Y 2Y	
30PEB20AA192	Thermal Relief Downstream KAA20 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB20AA204	Pump Discharge Check PEB20 AP001	CK	SA	3	A/C	A	O	ET LT PI	Q 2Y 2Y	
30PEB21AA0061	Isolation Upstream SAQ20 AC001	GB	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB21AA0072	Isolation Downstream SAQ20 AC001	GB	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB22AA001	Isolation Upstream XJG20 AC002	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB22AA002	Isolation Downstream XJG20 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB22AA195	Air Release 30XJG20 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 88 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30PEB22AA196	Thermal Relief Downstream 30XJG20 AC001	RV	SA	3	AC	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB23AA001	Isolation Upstream XJG30 AC002	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB23AA002	Isolation Downstream XJG30 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB23AA195	Air Release 30XJG30 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB23AA196	Thermal Relief Downstream 30XJG30 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB30AA002	Recirculation Isolation PEB30 AP001	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30PEB30AA003	Emergency Blowdown Isolation PEB30	BF	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB30AA005	Pump Discharge Isolation PEB30 AP001	BF	MO	3	A	A	O	ET ST PI LT	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 89 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30PEB30AA007	Isolation Upstream KAA30 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB30AA009	Isolation Downstream KAA30 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB30AA015	Filter Blowdown Isolation PEB30 AP001	GT	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB30AA016	Blowdown Isolation PEB30	GB	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB30AA190	Air Release from Filter 30PEB30AT002	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB31AA191	Vacuum breaker Downstream SAQ30 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	2Y 2Y 2Y	
30PEB30AA192	Thermal Relief Downstream KAA30 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB30AA204	Pump Discharge Check PEB30 AP001	CK	SA	3	A/C	A	O	ET LT PI	Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 90 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30PEB31AA001	Isolation Upstream SAQ30 AC001	GB	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB31AA002	Isolation Downstream SAQ30 AC001	GB	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB24AA001	Isolation Upstream XJG40 AC002	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB24AA002	Isolation Downstream XJG40 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB24AA195	Air Release 30XJG40 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB24AA196	Thermal Relief Downstream 30XJG40 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB40AA002	Recirculation Isolation PEB40 AP001	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30PEB40AA003	Emergency Blowdown Isolation PEB40	BF	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 91 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30PEB40AA005	Pump Discharge Isolation PEB40 AP001	BF	MO	3	A	A	O	ET ST PI LT	Q Q 2Y 2Y	
30PEB40AA007	Isolation Upstream KAA40 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB40AA009	Isolation Downstream KAA40 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB40AA015	Filter Blowdown Isolation PEB40 AP001	GT	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB40AA016	Blowdown Isolation PEB40	GB	MO	3	A	A	C	ET ST PI LT	Q Q 2Y 2Y	
30PEB40AA190	Air Release from Filter 30PEB40AT002	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30PEB41AA191	Vacuum breaker Downstream SAQ40 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	2Y 2Y 2Y	
30PEB40AA192	Thermal Relief Downstream KAA40 AC001	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 92 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30PEB40AA204	Pump Discharge Check PEB40 AP001	CK	SA	3	A/C	A	O	ET LT PI	Q 2Y 2Y	
30PEB41AA001	Isolation Upstream SAQ40 AC001	GB	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB41AA002	Isolation Downstream SAQ40 AC001	GB	MA	3	B	A	O	ET PI	2Y 2Y	
30PEB41AA011	Dedicated System Check Upstream SAQ40 AC001	CK	SA	3	A/C	A	C	ET PI LT	Q 2Y 2Y	
30PEB80AA004	Isolation Downstream KAA80 AC001	BF	MA	3	B	A	O	ET PI	2Y 2Y	
30PED10AA010	Tower Isolation	BF	MO	3	A	A	O	ET ST PI LT	Q Q 2Y 2Y	
30PED10AA011	Tower Bypass Isolation	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30PED10AA019	Makeup Water Isolation	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 93 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30PED10AA021	Emergency Makeup Water Isolation	BF	MO	3	B	A	O	ET ST PI	Q Q 2Y	
30PED10AA220	Makeup Water Check	CK	SA	3	C	A	C	ET PI	Q 2Y	
30PED10AA024	Tower Keep-Fill Isolation	PL	MA	3	A~~B~~	A	C	ET LT PI	2Y 2Y 2Y	
30PED20AA024	Tower Keep-Fill Isolation	PL	MA	3	A~~B~~	A	C	ET LT PI	2Y 2Y 2Y	
30PED30AA024	Tower Keep-Fill Isolation	PL	MA	3	A~~B~~	A	C	ET LT PI	2Y 2Y 2Y	
30PED40AA024	Tower Keep-Fill Isolation	PL	MA	3	A~~B~~	A	C	ET LT PI	2Y 2Y 2Y	
30PED10AA025	Tower Keep-Fill Check	CK	SA	3	C	A	C	ET PI	Q 2Y	
30PED20AA025	Tower Keep-Fill Check	CK	SA	3	C	A	C	ET PI	Q 2Y	
30PED30AA025	Tower Keep-Fill Check	CK	SA	3	C	A	C	ET PI	Q 2Y	
30PED40AA025	Tower Keep-Fill Check	CK	SA	3	C	A	C	ET PI	Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 94 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30PED20AA010	Tower Isolation	BF	MO	3	A	A	O	ET ST PI LT	Q Q 2Y 2Y	
30PED20AA011	Tower Bypass Isolation	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30PED20AA019	Makeup Water Isolation	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30PED20AA021	Emergency Makeup Water Isolation	BF	MO	3	B	A	O	ET ST PI	Q Q 2Y	
30PED20AA220	Makeup Water Check	CK	SA	3	C	A	C	ET PI	Q 2Y	
30PED30AA010	Tower Isolation	BF	MO	3	A	A	O	ET ST PI LT	Q Q 2Y 2Y	
30PED30AA011	Tower Bypass Isolation	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30PED30AA019	Makeup Water Isolation	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 95 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30PED30AA021	Emergency Makeup Water Isolation	BF	MO	3	B	A	O	ET ST PI	Q Q 2Y	
30PED30AA220	Makeup Water Check	CK	SA	3	C	A	C	ET PI	Q 2Y	
30PED40AA010	Tower Isolation	BF	MO	3	A	A	O	ET ST PI LT	Q Q 2Y 2Y	
30PED40AA011	Tower Bypass Isolation	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30PED40AA019	Makeup Water Isolation	BF	MO	3	B	A	C	ET ST PI	Q Q 2Y	
30PED40AA021	Emergency Makeup Water Isolation	BF	MO	3	B	A	O	ET ST PI	Q Q 2Y	
30PED40AA220	Makeup Water Check	CK	SA	3	C	A	C	ET PI	Q 2Y	
30QJB40AA001	NGDS	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 96 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30QJB40AA002	NGDS	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QJB40AA003	NGDS	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QJB40AA004	NGDS	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QKA10AA003	QK Pump #1 Discharge Check Valve, Train 1	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA10AA011	QK QCB Check Valve, Train 1	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA10AA018	QK Pump #2 Discharge Check Valve, Train 1	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA10AA101	QK Bypass Control Valve-MOV, Train 1	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKA10AA191	QK System Pressure Relief Valve, Train 1	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 97 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30QKA20AA003	QK Pump #1 Discharge Check Valve, Train 2	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA20AA011	QK QCB Check Valve, Train 2	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA20AA018	QK Pump #2 Suct Isolation Valve, Train 2	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA20AA101	QK Bypass Control Valve-MOV, Train 2	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKA20AA191	QK System Pressure Relief Valve, Train 2	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30QKA30AA003	QK Pump #1 Discharge Check Valve, Train 3	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA30AA011	QK QCB Check Valve, Train 3	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA30AA018	QK Pump #2 Discharge Check Valve, Train 3	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA30AA101	QK Bypass Control Valve-MOV, Train 3	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 98 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30QKA30AA191	QK System Pressure Relief Valve, Train 3	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30QKA40AA003	QK Pump #1 Discharge Check Valve, Train 4	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA40AA011	QK QCB Check Valve, Train 4	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA40AA018	QK Pump #2 Discharge Check Valve, Train 4	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA40AA101	QK Bypass Control Valve-MOV, Train 4	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKA40AA191	QK System Pressure Relief Valve, Train 4	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30QKA10AA002	Pump Isolation Valve, Train 1	BF	MA	3	B	P	O/C	PI	2Y	
30QKA10AA004	Pump Isolation Valve, Train 1	BF	MA	3	B	P	O/C	PI	2Y	
30QKA10AA006	Pump and Chiller Isolation Valve, Train 1	BF	MA	3	B	P	O/C	PI	2Y	
30QKA10AA017	Pump Isolation Valve, Train 1	BF	MA	3	B	P	O/C	PI	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 99 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30QKA10AA019	Pump Isolation Valve, Train 1	BF	MA	3	B	P	O/C	PI	2Y	
30QKA20AA002	Pump Isolation Valve, Train 2	BF	MA	3	B	P	O/C	PI	2Y	
30QKA20AA004	Pump Isolation Valve, Train 2	BF	MA	3	B	P	O/C	PI	2Y	
30QKA20AA006	Pump and Chiller Isolation Valve, Train 2	BF	MA	3	B	P	O/C	PI	2Y	
30QKA20AA017	Pump Isolation Valve, Train 2	BF	MA	3	B	P	O/C	PI	2Y	
30QKA20AA019	Pump Isolation Valve, Train 2	BF	MA	3	B	P	O/C	PI	2Y	
30QKA30AA002	Pump Isolation Valve, Train 3	BF	MA	3	B	P	O/C	PI	2Y	
30QKA30AA004	Pump Isolation Valve, Train 3	BF	MA	3	B	P	O/C	PI	2Y	
30QKA30AA006	Pump and Chiller Isolation Valve, Train 3	BF	MA	3	B	P	O/C	PI	2Y	
30QKA30AA017	Pump Isolation Valve, Train 3	BF	MA	3	B	P	O/C	PI	2Y	
30QKA30AA019	Pump Isolation Valve, Train 3	BF	MA	3	B	P	O/C	PI	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 100 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30QKA40AA002	Pump Isolation Valve, Train 4	BF	MA	3	B	P	O/C	PI	2Y	
30QKA40AA004	Pump Isolation Valve, Train 4	BF	MA	3	B	P	O/C	PI	2Y	
30QKA40AA006	Pump and Chiller Isolation Valve, Train 4	BF	MA	3	B	P	O/C	PI	2Y	
30QKA40AA017	Pump Isolation Valve, Train 4	BF	MA	3	B	P	O/C	PI	2Y	
30QKA40AA019	Pump Isolation Valve, Train 4	BF	MA	3	B	P	O/C	PI	2Y	
30QKB10AA001	30SAB10AC001 Isolation Valve, Train 1	PL	MA	3	B	P	O/C	PI	2Y	
30QKB10AA004	30SAB10AC001 Isolation Valve, Train 1	PL	MA	3	B	P	O/C	PI	2Y	
30QKB20AA001	30SAB20AC001 Isolation Valve, Train 2	PL	MA	3	B	P	O/C	PI	2Y	
30QKB20AA004	30SAB20AC001 Isolation Valve, Train 2	PL	MA	3	B	P	O/C	PI	2Y	
30QKB30AA001	30SAB30AC001 Isolation Valve, Train 3	PL	MA	3	B	P	O/C	PI	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 101 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30QKB30AA004	30SAB30AC001 Isolation Valve, Train 3	PL	MA	3	B	P	O/C	PI	2Y	
30QKA10AA016	Demin Water Check Valve	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA20AA016	Demin Water Check Valve	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA30AA016	Demin Water Check Valve	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA40AA016	Demin Water Check Valve	CK	SA	3	C	A	O/C	ET PI	Q 2Y	
30QKA10AA020	Pump and Chiller Isolation Valve, Div. 1	BF	MA	3	B	P	O/C	PI	2Y	
30QKA10AA021	Pump and Chiller Isolation Valve, Div. 1	BF	MA	3	B	P	O/C	PI	2Y	
30QKA10AA022	Pump and Chiller Isolation Valve, Div. 1	BF	MA	3	B	P	O/C	PI	2Y	
30QKA20AA020	Pump and Chiller Isolation Valve, Div. 2	BF	MA	3	B	P	O/C	PI	2Y	
30QKA20AA021	Pump and Chiller Isolation Valve, Div. 2	BF	MA	3	B	P	O/C	PI	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 102 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30QKA20AA022	Pump and Chiller Isolation Valve, Div. 2	BF	MA	3	B	P	O/C	PI	2Y	
30QKA30AA020	Pump and Chiller Isolation Valve, Div. 3	BF	MA	3	B	P	O/C	PI	2Y	
30QKA30AA021	Pump and Chiller Isolation Valve, Div. 3	BF	MA	3	B	P	O/C	PI	2Y	
30QKA30AA022	Pump and Chiller Isolation Valve, Div. 3	BF	MA	3	B	P	O/C	PI	2Y	
30QKA40AA020	Pump and Chiller Isolation Valve, Div. 4	BF	MA	3	B	P	O/C	PI	2Y	
30QKA40AA021	Pump and Chiller Isolation Valve, Div. 4	BF	MA	3	B	P	O/C	PI	2Y	
30QKA40AA022	Pump and Chiller Isolation Valve, Div. 4	BF	MA	3	B	P	O/C	PI	2Y	
30QKA10AA028	Cross-tie Manual Isolation Valve, Div. 1	BF	MA	3	B	P	O/C	PI	2Y	
30QKA10AA029	Cross-tie Manual Isolation Valve, Div. 1	BF	MA	3	B	P	O/C	PI	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 103 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30QKA20AA028	Cross-tie Manual Isolation Valve, Div. 2	BF	MA	3	B	P	O/C	PI	2Y	
30QKA20AA029	Cross-tie Manual Isolation Valve, Div. 2	BF	MA	3	B	P	O/C	PI	2Y	
30QKA30AA028	Cross-tie Manual Isolation Valve, Div. 3	BF	MA	3	B	P	O/C	PI	2Y	
30QKA30AA029	Cross-tie Manual Isolation Valve, Div. 3	BF	MA	3	B	P	O/C	PI	2Y	
30QKA40AA028	Cross-tie Manual Isolation Valve, Div. 4	BF	MA	3	B	P	O/C	PI	2Y	
30QKA40AA029	Cross-tie Manual Isolation Valve, Div. 4	BF	MA	3	B	P	O/C	PI	2Y	
30QKA10AA102	Cross-tie Supply Valve, Div. 1	BF	MO	3	A	A	O/C	LT PI ET ST	2Y 2Y Q Q	
30QKA10AA103	Cross-tie Return Valve, Div. 1	BF	MO	3	A	A	O/C	LT PI ET ST	2Y 2Y Q Q	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 104 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30QKA20AA102	Cross-tie Supply Valve, Div. 2	BF	MO	3	A	A	O/C	LT PI ET ST	2Y 2Y Q Q	
30QKA20AA103	Cross-tie Return Valve, Div. 2	BF	MO	3	A	A	O/C	LT PI ET ST	2Y 2Y Q Q	
30QKA30AA102	Cross-tie Supply Valve, Div. 3	BF	MO	3	A	A	O/C	LT PI ET ST	2Y 2Y Q Q	
30QKA30AA103	Cross-tie Return Valve, Div. 3	BF	MO	3	A	A	O/C	LT PI ET ST	2Y 2Y Q Q	
30QKA40AA102	Cross-tie Supply Valve, Div. 4	BF	MO	3	A	A	O/C	LT PI ET ST	2Y 2Y Q Q	
30QKA40AA103	Cross-tie Return Valve, Div. 4	BF	MO	3	A	A	O/C	LT PI ET ST	2Y 2Y Q Q	
30QKB40AA001	30SAB40AC001 Isolation Valve, Train 4	PL	MA	3	B	P	O/C	PI	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 105 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10]	Test Frequency[9]	Comments
30QKB40AA004	30SAB40AC001 Isolation Valve, Train 4	PL	MA	3	B	P	O/C	PI	2Y	
30QKB10AA101	SAB01AC001 Control Valve-MOV, Train 1	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKB20AA101	SAB02AC001 Control Valve-MOV, Train 2	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKB30AA101	SAB03AC001 Control Valve-MOV, Train 3	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKB40AA101	SAB04AC001 Control Valve-MOV, Train 4	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKC10AA025	LHSI Pump Upstream Control Valve-MOV, Train 1	DI	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKC10AA101	SAC01AC001 Control Valve-MOV, Train 1	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKC20AA101	SAC02AC001 Control Valve-MOV, Train 2	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 106 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30QKC30AA101	SAC03AC001 Control Valve-MOV, Train 3	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKC40AA025	LHSI Pump Upstream Control Valve-MOV, Train 4	DI	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QKC40AA101	SAC04AC001 Control Valve-MOV, Train 4	GB	MO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30QNJ41AA002	Operational Chilled Water Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QNJ41AA003	Operational Chilled Water Inside CIV	CK	SA	2	A/C	A	C	ET LT PI	CS RF 2Y	LT per 10 CFR 50, Appendix J
30QNJ41AA027	Operational Chilled Water Inside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QNJ41AA028	Operational Chilled Water Outside CIV	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 107 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30QNJ41AA192	QNJ Pressure Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30QUC11AA001	NSS for SG BD	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QUC11AA011	NSS for SG BD	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QUC11AA193	NSS for SG BD – Relief Valve	RV	SA	2	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30QUC12AA001	NSS for SG BD	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QUC12AA011	NSS for SG BD	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QUC12AA193	NSS for SG BD – Relief Valve	RV	SA	2	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 108 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30QUC13AA001	NSS for SG BD	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QUC13AA011	NSS for SG BD	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QUC13AA193	NSS for SG BD – Relief Valve	RV	SA	2	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30QUC14AA001	NSS for SG BD	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QUC14AA011	NSS for SG BD	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30QUC14AA193	NSS for SG BD – Relief Valve	RV	SA	2	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30SCB01AA001	CADS TO IA	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 109 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30SCB01AA002	CADS TO IA	GB	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30SCB02AA001	CADS TO SA	GB	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30SCB02AA002	CADS TO SA	GB	MA	2	A	P	C	LT PI	2Y 2Y	LT per 10 CFR 50, Appendix J
30SGB30AA031	FWDS inside NI	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30SGB30AA032	FWDS inside NI	GT	MO	2	A	A	C	ET ST LT PI	Q Q 2Y 2Y	LT per 10 CFR 50, Appendix J
30XJG10AA201	Jacket Water Pump Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30XJG10AA190	Jacket Water Pump Discharge Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJG10AA150	Expansion Tank Fill Valve	GB	SO	3	B	P	C	PI	2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 110 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30XJG10AA151	Expansion Tank Fill Valve	GB	SO	3	B	P	C	PI	2Y	
30XJG10AA260	Keep Warm System Inlet Isolation Valve	GB	SO	3	B	A	C	ET ST PI	Q Q 2Y	
30XJG10AA261	Keep Warm System Inlet Isolation Valve	GB	SO	3	B	A	C	ET ST PI	Q Q 2Y	
30XJG10AA202	Keep Warm System Discharge Isolation Valve	CK	SA	3	C	A	C	ET PI	Q 2Y	
30XJG10AA203	Keep Warm System Discharge Isolation Valve	CK	SA	3	C	A	C	ET PI	Q 2Y	
30XJN10AA191A	Fuel Transfer Pump A Discharge Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJN10AA191B	Fuel Transfer Pump B Discharge Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJN10AA201A	Fuel Transfer Pump Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30XJN10AA201B	Fuel Transfer Pump Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 111 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30XJN10AA193	Fuel Transfer Pump A Discharge Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJN10AA203A	Fuel Filter A Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30XJN10AA203B	Fuel Filter B Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30XJN10AA172	Fuel Pump Supply Emergency Shutoff Valve	GB	SO	3	B	P	O	PI	2Y	
30XJN10AA226	Auxiliary Fuel Pump Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30XJN10AA196	Auxiliary Fuel Pump Discharge Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJN10AA227	Engine Driven Fuel Pump Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30XJN10AA195	Engine Driven Fuel Pump Discharge Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 112 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30XJN10AA220A	Fuel Filter A Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30XJN10AA220B	Fuel Filter B Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30XJN10AA198	Engine Fuel Discharge Header Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJN10AA228	Engine Fuel Discharge Header Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30XJQ10AA112A	Combustion Air Intake Isolation Damper	BF	MO	3	B	P	O	PI	2Y	
30XJQ10AA112B	Combustion Air Intake Isolation Damper	BF	MO	3	B	P	O	PI	2Y	
30XJR10AA120	Engine Exhaust System Rupture Disk	RD	RLF	3	D	A	O/C	VT	5Y	
30XJV10AA190	Lube Oil Pump Discharge Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJV10AA201A	Lube Oil Filter A Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 113 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30XJV10AA201B	Lube Oil Filter B Discharge Check Valve	CK	SA	3	C	A	O	ET PI	Q 2Y	
30XJV10AA191	Lube Oil Filter Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJV10AA270	Keep Warm System Inlet Isolation Valve	GB	SO	3	B	A	C	ET ST PI	Q Q 2Y	
30XJV10AA271	Keep Warm System Inlet Isolation Valve	GB	SO	3	B	A	C	ET ST PI	Q Q 2Y	
30XJV10AA206	Keep Warm System Discharge Isolation Valve	CK	SA	3	C	A	C	ET PI	Q 2Y	
30XJV10AA207	Keep Warm System Discharge Isolation Valve	CK	SA	3	C	A	C	ET PI	Q 2Y	
30XJV10AA194	Keep Warm System Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJX10AA210A	Receiver A Inlet Check Valve	CK	SA	3	B/C	A	C	ET PI	Q 2Y	
30XJX10AA211A	Receiver A Inlet Check Valve	CK	SA	3	B/C	A	C	ET PI	Q 2Y	

Table 3.9.6-2—Inservice Valve Testing Program Requirements
Sheet 114 of 114

Valve Identification Number[1]	Description/ Valve Function	Valve Type[2]	Valve Actuator[3]	ASME Code Class[4]	ASME OM Code Category[5]	Active / Passive[6]	Safety Position[7]	Test Required[8,10,11]	Test Frequency[9]	Comments
30XJX10AA210B	Receiver B Inlet Check Valve	CK	SA	3	B/C	A	C	ET PI	Q 2Y	
30XJX10AA211B	Receiver B Inlet Check Valve	CK	SA	3	B/C	A	C	ET PI	Q 2Y	
30XJX10AA193A	Receiver A Pressure Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJX10AA193B	Receiver B Pressure Relief Valve	RV	SA	3	A/C	A	O/C	ET LT PI	10Y 10Y 2Y	
30XJX10AA122A	Air Start Pilot Valve A	GB	SO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30XJX10AA122B	Air Start Pilot Valve B	GB	SO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30XJX10AA120A	Air Start Valve A	GB	AO	3	B	A	O/C	ET ST PI	Q Q 2Y	
30XJX10AA120B	Air Start Valve B	GB	AO	3	B	A	O/C	ET ST PI	Q Q 2Y	

Notes:

1. The U.S. EPR subscribes to the Kraftwerks Kennzeichen System (KKS) for coding and nomenclature of SSC.

2. Valve Type:

   A. GB – Globe.

   B. GT – Gate.

   C. CK – Check.

   D. RV – Relief.

   E. RD – Rupture Disk.

   F. DI – Diaphragm.

   G. BF – Butterfly.

   H. PL – Plug.

3. Valve Actuator:

   A. MO – Motor-operated.

   B. SO – Solenoid-operated.

   C. AO – Air-operated.

   D. HO – Hydraulic-operated.

   E. SA – Self-actuated.

   F. MA – Manual.

   G. PA – Pilot actuated.

   H. RLF – Relief.

4. ASME Code Class as determined by quality groups from RG 1.26.

5. ASME Code Category A, B, C, or D as defined in ASME OM Code 2004, Subsection ISTC-1300.

6. ASME functional category as defined in ASME OM Code 2004, Subsection ISTA-2000.

7. Valve safety function positions, specifying both positions for valves that perform a safety function in both the open and closed positions. Valves are exercised to the position s required to fulfill their safety functions. Check valve tests include both open and close tests.

8. Required tests per ASME OM Code 2004, Subsection ISTC-3000:

   A. LT – Leakage test per Table ISTC-3500-1 and ISTC-3600.

   B. ET – Exercise test per Table ISTC-3500-1 and ISTC-3510, nominally every three months.

   C. PI – Position indication verification per Table ISTC-3500-1 and ISTC-3700. For check valves, this test requirement only applies to those with remote position indication.

   D. ST – Stroke time test per ISTC-5000 (in conjunction with exercise test).

   E. VT – Visual test per ISTC-5250.

9. Test frequencies abbreviations per NUREG-1482, Revision 1:

   A. Q – Test performed once every 92 days.

   B. CS – Test performed during cold shutdown, but not more frequently than once every 92 days.

   C. RF – Test performed each refueling outage.

   D. 2Y – Test performed once every two years. ASME OM, ISTC-3540 states that manual valves shall be full-stroke exercised at least once every 5 years. However, 10 CFR 50.55a(b)(3)(vi) states that manual valves must be exercised on a 2-year interval rather that the 5-year interval specified in paragraph ISTC-3540 of the 1999 Addenda through the latest edition and addenda incorporated by reference in paragraph (b)(3) of this section, provided that adverse conditions do not require more frequent testing.

   E. 5Y – Test performed once every five years.

F. 10Y – Test performed once every ten years.

G. RV – Test relief valve at OM schedule.

10. The switch for a fail-safe valve functions by interrupting (de-energizing) the electrical or pneumatic actuating force for the valve whenever the switch is moved to the fail-safe position. Therefore, this normal valve operation demonstrates the valve's fail-safe capability, which is verified during valve exercise testing by remote position indication. Since a successful exercise test satisfies a valve's fail-safe testing requirements, a separate test for fail-safe capability is not required and is not specified in this table.

11. Safety and relief valves and nonreclosing pressure relief devices meet the test requirements of Mandatory Appendix 1 of the ASME OM Code.

Next File