

ArevaEPRDCPEm Resource

From: WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]
Sent: Tuesday, August 23, 2011 12:46 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (AREVA); DELANO Karen (AREVA); HALLINGER Pat (EXTERNAL AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); WELLS Russell (AREVA); BALLARD Bob (AREVA); WILLIAMSON Rick (AREVA)
Subject: DRAFT Response to U.S. EPR Design Certification Application RAI No. 497 (5837), FSAR Ch. 3, Question 03.09.06-19
Attachments: RAI 497 Draft Response US EPR DC.pdf

Getachew,

Attached is a draft response for RAI No. 497, Question 03.09.06-19 in advance of the September 9, 2011 final date. To assist in the NRC review, a complete version of U.S. EPR FSAR Tier 2 Table 3.9.6-2 has been provided in the draft response.

Let me know if the staff has questions or if this can be sent as a final response.

Thanks,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.

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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.

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To: ZZ-DL-A-USEPR-DL
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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: 3351

Mail Envelope Properties (2FBE1051AEB2E748A0F98DF9EEE5A5D486CDB5)

Subject: DRAFT Response to U.S. EPR Design Certification Application RAI No. 497 (5837), FSAR Ch. 3, Question 03.09.06-19
Sent Date: 8/23/2011 12:46:12 PM
Received Date: 8/23/2011 12:46:28 PM
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| Files | Size | Date & Time |
|--------------------------------------|------|-----------------------|
| MESSAGE | 3192 | 8/23/2011 12:46:28 PM |
| RAI 497 Draft Response US EPR DC.pdf | | 1847387 |

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
Question 03.09.06-19**

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 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. Additionally, the safety position for relief valve 30XJN10AA196 has been changed from open to closed.
- 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 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.

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

DRAFT

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} | Test Frequency ⁹ | Comments |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-------------|
| 30FAK10AA001 | FPC to SFP Isolation | GT | MO | 3 | B | A | O/C | ET ST PI | 2Y Q Q 2Y | 03.09.06-19 |
| 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
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| 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 | 03.09.06-19 |
| 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
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| 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 |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|--|
| 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 | A | C | ET LT PI | Q 2Y 2Y | Used to isolate non-safety downstream piping |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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
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| 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | C | ET PI | 10Y 2Y | |
| 30JDH30AA194 | EBS Thermal Relief Valve | RV | SA | 2 | C | A | 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|--------------------------|
| 30JEB20AA191 | RCP Thermal Barrier Cooling Water Relief | RV | SA | 3 | A/C | A | O/C | ET LT PI | 10Y 10Y 2Y | |
| 30JEB30AA191 | RCP Thermal Barrier Cooling Water Relief | RV | SA | 3 | A/C | A | O/C | ET LT PI | 10Y 10Y 2Y | |
| 30JEB40AA191 | RCP Thermal Barrier Cooling Water Relief | RV | SA | 3 | A/C | A | O/C | ET LT PI | 10Y 10Y 2Y | |
| 30JEF10AA191 | Pressurizer Safety Relief | RV | PA/SO | 1 | A/C | A | O/C | ET LT PI | 5Y 5Y 2Y | 03.09.06-19 |
| 30JEF10AA192 | Pressurizer Safety Relief | RV | PA/SO | 1 | A/C | A | O/C | ET LT PI | 5Y 5Y 2Y | |
| 30JEF10AA193 | Pressurizer Safety Relief | RV | PA/SO | 1 | A/C | A | O/C | ET LT PI | 5Y 5Y 2Y | |
| 30JEF10AA004 | Primary Depressurization System (PDS) (PIV) | GT | MO | 1 | A | P | C | LT PI | 2Y 2Y | Pressure Isolation Valve |
| 30JEF10AA005 | PDS (PIV) | GB | MO | 1 | A | P | C | LT PI | 2Y 2Y | Pressure Isolation Valve |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | O | ET ST LT PI | Q Q 2Y 2Y | |
| 30JEW50AA191 | RCP Seal Leakoff Relief Valve | RV | SA | 3 | C | A | O | ET LT | 10Y 10Y | |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------------|
| 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 |
| 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 |

03.09.06-19

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 |
| 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 |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 |
| 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 |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------------|
| 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 |
| 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 |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------------|
| 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 |
| 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 |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------------|
| 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 1 st RCPB Isolation Valve (PIV) | GT | MO | 1 | A | A | O/C | ET ST LT PI | CS CS 2Y 2Y | Pressure Isolation Valve |
| 30JNA10AA002 | RHR 2 nd 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 |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 1 st 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 | 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 |
| 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 |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 30JNA20AA009 | RHR 1 st 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 | 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 |
| 30JNA30AA009 | RHR 1 st 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
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 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 1 st RCPB Bypass Check Valve (PIV) | Clk | SA | 2 | A/C | A | O/C | ET LT PI | CS 2Y 2Y | Pressure Isolation Valve |
| 30JNA40AA101 | LHSI/RHR Train 4 Hx Bypass | GB | MO | 2 | A | A | C | ET ST LT PI | Q Q 2Y 2Y | |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 30JNA40AA191 | RHR Suction Line Safety Relief Valve | RV | SA | 2 | C | A | 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 | |
| 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 | |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 2 nd 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 | |
| 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 |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 03.09.06-19 |
| 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 2 nd 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
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 03.09.06-19 |
| 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 03.09.06-19 |
| 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 2 nd 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 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 | C | A | C | ET LT PI | Q 2Y 2Y | |
| 30JNG10AA004 | LHSI Tangential Miniflow Line Check Valve | CK | SA | 2 | C | A | O/C | ET LT PI | Q 2Y 2Y | |
| 30JNG10AA006 | LHSI 2 nd 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 | 03.09.06-19 |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 30JNG10AA011 | LHSI Cross-Connect Check Valve | CK | SA | 2 | C | A | O/C | ET LT PI | CS 2Y 2Y | |
| 30JNG10AA012 | Cross-Connect Bypass Check Valve | CK | SA | 2 | 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 | C | A | O/C | ET LT PI | CS 2Y 2Y | |

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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | C | A | C | ET LT PI | CS 2Y 2Y | |
| 30JNG13AA005 | SIS 1 st 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 | C | A | C | ET LT PI | CS 2Y 2Y | |

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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|--------------------------|
| 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 | CS 2Y | Pressure Isolation Valve |
| 30JNG13AA197 | Accumulator Safety Relief Valve | RV | SA | 2 | C | A | O | 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 |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|--|
| 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 | 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 | C | A | C | ET LT PI | Q 2Y 2Y | |
| 30JNG20AA004 | LHSI Tangential Miniflow Line Check Valve | CK | SA | 2 | C | A | O/C | ET LT PI | Q 2Y 2Y | |
| 30JNG20AA006 | LHSI 2 nd RCPB Isolation Valve (PIV) | CK | SA | 1 | A/C | A | O/C | ET LT PI | CS 2Y 2Y | Pressure Isolation Valve |

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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 03.09.06-19 |
| 30JNG20AA011 | LHSI Cross-Connect Check Valve | CK | SA | 2 | 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 30JNG22AA002 | LHSI Hot Leg Injection Check Valve | CK | SA | 2 | 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 | C | A | C | ET LT PI | CS 2Y 2Y | |
| 30JNG23AA005 | SIS 1 st 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 | 03.09.06-19 |
| 30JNG23AA007 | Accumulator-Nitrogen Distribution Check Valve | CK | SA | 2 | C | A | C | ET LT PI | CS 2Y 2Y | |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|--------------------------|
| 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 | 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
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|--|
| 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 | 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 | C | A | C | ET LT PI | Q 2Y 2Y | |
| 30JNG30AA004 | LHSI Tangential Miniflow Line Check Valve | CK | SA | 2 | C | A | O/C | ET LT PI | Q 2Y 2Y | |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 30JNG30AA006 | LHSI 2 nd 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 | 03.09.06-19 |
| 30JNG30AA011 | LHSI Cross-Connect Check Valve | CK | SA | 2 | 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 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 | C | A | C | ET LT PI | CS 2Y 2Y | |
| 30JNG33AA005 | SIS 1 st 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|--------------------------|
| 30JNG33AA007 | Accumulator-Nitrogen Distribution Check Valve | CK | SA | 2 | 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 | 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|--|
| 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 | 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 30JNG40AA003 | LHSI Radial Miniflow Line Check Valve | CK | SA | 2 | C | A | C | ET LT PI | Q 2Y 2Y | |
| 30JNG40AA004 | LHSI Tangential Miniflow Line Check Valve | CK | SA | 2 | C | A | O/C | ET LT PI | Q 2Y 2Y | |
| 30JNG40AA006 | LHSI 2 nd RCPB Isolation Valve (PIV) | CK | SA | 1 | A/C | A | O/C | ET LT PI | CS 2Y 2Y | Pressure Isolation Valve |
| 30JNG40AA007 | SAHRS-IRWSTS 1 st Isolation Valve | GB | MO | 2 | A | A | C | ET ST LT PI | Q Q 2Y 2Y | |
| 30JNG40AA008 | SAHRS-IRWSTS 2 nd 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 | 03.09.06-19 |
| 30JNG40AA011 | LHSI Cross-Connect Check Valve | CK | SA | 2 | C | A | O/C | ET LT PI | CS 2Y 2Y | |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 30JNG40AA012 | Cross-Connect Bypass Check Valve | CK | SA | 2 | 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 | 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|--------------------------|
| 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 | C | A | C | ET LT PI | CS 2Y 2Y | |
| 30JNG43AA005 | SIS 1 st 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 | 03.09.06-19 |
| 30JNG43AA007 | Accumulator-Nitrogen Distribution Check Valve | CK | SA | 2 | 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|--|
| 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 | 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
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| 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
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| 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
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| 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 |

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| 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
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| 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 (CVCSS 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 CVCSS 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
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| 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
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| 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
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| 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
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| 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
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| 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
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| 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------------|
| 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 | 03.09.06-19 |
| 30KAB10AA192 | RV Downstream Common 1B | RV | SA | 3 | 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
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 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 |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|-------------------------------------|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 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 1 and 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |

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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------------|
| 30KAB10AA193 | RV Downstream FPCS HX1 | RV | SA | 3 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | 03.09.06-19 |
| 30KAB20AA192 | RV Downstream Common 2B | RV | SA | 3 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | 03.09.06-19 |
| 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | 03.09.06-19 |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | ← 03.09.06-19 |
| 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 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 | C | A | 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 |

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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | C | A | O | ET LT PI | 10Y 10Y 2Y | |
| 30KBA35AA001 | Pressurizer Auxiliary Spray Isolation Valve | GB | MO | 3 | B | A | C | ET ST PI | Q Q 2Y | |

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| 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 |

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| 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 |

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| 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 |

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| 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 |

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| 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
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| 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
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| 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
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| 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
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| 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
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| 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
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| 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
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| 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
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| 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 | 03.09.06-19 |
| 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
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| 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 | 03.09.06-19 |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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
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| 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 | 03.09.06-19 |
| 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
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| 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 | 03.09.06-19 |
| 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
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| 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 | |

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| 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 |
|--|-----------------------------------|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-------------|
| 30LBA30AA441 | Warmup Drain Line Isolation Valve | GB | MO | 2 | A | P | C | LT PI | 2Y 2Y | 03.09.06-19 |
| 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 | B | A | C | ET ST LT PI | Q Q 2Y 2Y | |
| 30LBA24AA101 | Warmup Control Valve | GB | MO | 3 | B | A | C | ET ST LT PI | Q Q 2Y 2Y | |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|-----------------------------------|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 30LBA34AA101 | Warmup Control Valve | GB | MO | 3 | B | A | C | ET ST LT PI | Q Q 2Y 2Y | |
| 30LBA44AA101 | Warmup Control Valve | GB | MO | 3 | 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 | |

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| 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
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| 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 | |

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| 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 |
|--|--------------------------------|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|---|
| 30LBA42AA191 | Main Steam Safety Valve | RV | SA | 2 | A/C | A | O/C | ET LT PI | 5Y 5Y 2Y | 03.09.06-19 LT per 10 CFR 50, Appendix J |
| 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 | 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 | 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 |

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| 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
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| 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--------------------------------------|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 30PEB11AA191 | Vacuum Breaker Downstream SAQ10 AC001 | RV | SA | 3 | C | A | O/C | ET LT PI | 2Y 2Y 2Y | |
| 30PEB10AA192 | Thermal Relief Downstream KAA10 AC001 | RV | SA | 3 | 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |
| 30PEB21AA196 | Thermal Relief Downstream 30XJG10 AC001 | RV | SA | 3 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 30PEB20AA190 | Air Release from Filter 30PEB20AT002 | RV | SA | 3 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |
| 30PEB21AA191 | Vacuum Breaker Downstream SAQ20 AC001 | RV | SA | 3 | C | A | O/C | ET LT PI | 2Y 2Y 2Y | |
| 30PEB20AA192 | Thermal Relief Downstream KAA20 AC001 | RV | SA | 3 | 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 | |
| 30PEB21AA006 ¹ | Isolation Upstream SAQ20 AC001 | GB | MA | 3 | B | A | O | ET PI | 2Y 2Y | |
| 30PEB21AA007 ² | 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 30PEB22AA196 | Thermal Relief Downstream 30XJG20 AC001 | RV | SA | 3 | C | 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |
| 30PEB23AA196 | Thermal Relief Downstream 30XJG30 AC001 | RV | SA | 3 | 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |
| 30PEB31AA191 | Vacuum breaker Downstream SAQ30 AC001 | RV | SA | 3 | C | A | O/C | ET LT PI | 2Y 2Y 2Y | |
| 30PEB30AA192 | Thermal Relief Downstream KAA30 AC001 | RV | SA | 3 | 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-------------|
| 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 | 03.09.06-19 |
| 30PEB24AA002 | Isolation Downstream XJG40 AC001 | BF | MA | 3 | B | A | O | ET PI | 2Y 2Y | |
| 30PEB24AA195 | Air Release 30XJG40 AC001 | RV | SA | 3 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |
| 30PEB24AA196 | Thermal Relief Downstream 30XJG40 AC001 | RV | SA | 3 | 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
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| 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 |
|--|---------------------------------------|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-------------|
| 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 | 03.09.06-19 |
| 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |
| 30PEB41AA191 | Vacuum breaker Downstream SAQ40 AC001 | RV | SA | 3 | C | A | O/C | ET LT PI | 2Y 2Y 2Y | |
| 30PEB40AA192 | Thermal Relief Downstream KAA40 AC001 | RV | SA | 3 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 | 03.09.06-19 |
| 30PEB80AA004 | Isolation Downstream KAA80 AC001 | BF | MA | 3 | B | A | O | ET PI | 2Y 2Y | 03.09.06-19 |
| 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
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| 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 |
|--|----------------------------------|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 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 | B | A | C | ET LT PI | 2Y 2Y 2Y | |
| 30PED20AA024 | Tower Keep-Fill Isolation | PL | MA | 3 | B | A | C | ET LT PI | 2Y 2Y 2Y | |
| 30PED30AA024 | Tower Keep-Fill Isolation | PL | MA | 3 | B | A | C | ET LT PI | 2Y 2Y 2Y | |
| 30PED40AA024 | Tower Keep-Fill Isolation | PL | MA | 3 | 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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
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| 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 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 | 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
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 30QKA30AA191 | QK System Pressure Relief Valve, Train 3 | RV | SA | 3 | 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 | 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 | 03.09.06-19 |
| 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
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| 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 | ← 03.09.06-19 |
| 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
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| 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 | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 | Gross-tie Supply Valve, Div. 2 | BF | MO | 3 | A | A | O/C | LT PI ET ST | 2Y 2Y Q Q | |
| 30QKA20AA103 | Gross-tie Return Valve, Div. 2 | BF | MO | 3 | A | A | O/C | LT PI ET ST | 2Y 2Y Q Q | |
| 30QKA30AA102 | Gross-tie Supply Valve, Div. 3 | BF | MO | 3 | A | A | O/C | LT PI ET ST | 2Y 2Y Q Q | |
| 30QKA30AA103 | Gross-tie Return Valve, Div. 3 | BF | MO | 3 | A | A | O/C | LT PI ET ST | 2Y 2Y Q Q | |
| 30QKA40AA102 | Gross-tie Supply Valve, Div. 4 | BF | MO | 3 | A | A | O/C | LT PI ET ST | 2Y 2Y Q Q | |
| 30QKA40AA103 | Gross-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 | 03.09.06-19 |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 | 03.09.06-19 |
| 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
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------------|
| 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 | 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 |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--------------------------------|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 30QNJ41AA192 | QNJ Pressure Relief Valve | RV | SA | 3 | 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 | 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 | C | A | O/C | ET LT PI | 10Y 10Y 2Y | |

Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|--------------------------------|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | 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 | 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 |

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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|
| 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 | C | A | C | ET LT PI | 10Y 10Y 2Y | |
| 30XJG10AA150 | Expansion Tank Fill Valve | GB | SO | 3 | B | P | C | PI | 2Y | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 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 | C | A | C | ET LT PI | 10Y 10Y 2Y | |
| 30XJN10AA191B | Fuel Transfer Pump B Discharge Relief Valve | RV | SA | 3 | C | A | 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 | |

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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 30XJN10AA193 | Fuel Transfer Pump A Discharge Relief Valve | RV | SA | 3 | C | A | 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 | C | A | 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 | C | A | C | ET LT PI | 10Y 10Y 2Y | |

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Table 3.9.6-2—Inservice Valve Testing Program Requirements
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| 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 |
|--|---|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----------|
| 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 | C | A | 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 | VT | 5Y | |
| 30XJV10AA190 | Lube Oil Pump Discharge Relief Valve | RV | SA | 3 | C | A | 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
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| 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 |
|--|--|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-------------|
| 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 | C | A | 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 | 03.09.06-19 |
| 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 | C | A | 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
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| 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 |
|--|----------------------------------|-------------------------|-----------------------------|------------------------------|------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-------------|
| 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 | C | A | C | ET LT PI | 10Y 10Y 2Y | |
| 30XJX10AA193B | Receiver B Pressure Relief Valve | RV | SA | 3 | C | A | C | ET LT PI | 10Y 10Y 2Y | 03.09.06-19 |
| 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.

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- 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 than 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.

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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.

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