

From: [Ottenberg, Geoffrey](#)
To: [Garner, Justin Keith](#)
Cc: [Ottenberg, Geoffrey](#)
Subject: Upcoming BFN DBAI (programs) inspection (IP71111.21N.02)
Date: Tuesday, March 08, 2022 1:00:10 PM
Attachments: [2022 BFN - POV Inspection Information Request.docx](#)
[BFN POV Data- rev 1.docx](#)

Justin,

Thanks for working with me so far to get the Design Basis Assurance (programs) Inspection, also known as the Power Operated Valve inspection, started. As I mentioned previously, please treat the highlighted dates in the POV Inspection Information Request as tentative until we can firm up the dates for the information gathering visit.

Please see the attached request for some initial information that will help the team select our final inspection sample. Part of the request is contained in the attached access database, "BFN POV Data- rev 1.docx", which asks for specific data points relevant to the indicated valves to be entered into the database and provided back to us. (PLEASE NOTE: the Access database is sent as a Word document in order to be able to transmit it via e-mail. You will need to change the file extension of the 'BFN POV Data-rev 1.docx' file from ".docx" to ".accdb" to convert it back into an Access file.) Please provide as much of the requested information as possible, if it is readily available.

The following information will help when filling out the database with the requested valve-specific information:

You may have to enable content before using- this is only done once and shouldn't pop up again. It is understood that not all fields will be entered. Also please note that when entering data into the various fields there is a text box at the bottom left of the data entry form that details to the person entering the data what needs to be entered. For example, when on the Docket field the text at the bottom will state "Enter the Docket number last 3 digits". Also, when entering text in the comment field and it is desired to start a new line, it is necessary to hit control+enter to start a new line.

Feel free to reach out to me with any questions you may have regarding anything related to the inspection (inspection procedure, information request, etc.) and I'll do my best to get any questions/concerns addressed. I'm looking forward to the inspection.

Geoff Ottenberg

Senior Reactor Inspector - Engineering Branch I
Division of Reactor Safety
U.S. Nuclear Regulatory Commission
404-997-4658
Geoffrey.Ottenberg@nrc.gov

**Browns Ferry Nuclear Plant - Design Bases Assurance Inspection (Programs)
Initial Information Request**

Inspection Procedure: 71111.21N, "Design Bases Assurance Inspection (Programs)," Attachment 21N.02, "Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements," dated October 9, 2020 (ADAMS ML20220A667)

Inspection Dates: Information Gathering Visit: **June 13- 17**, 2022
Preparation Week: July 11- 15, 2022
Onsite Week 1: July 18- 22, 2022
Onsite Week 2: August 1- 5, 2022

Inspection Report: 05000259, 260, 296/2022011
(Standalone Inspection Report)

Inspectors: G. Ottenberg (Lead/Mechanical), TBD
(Mechanical/Electrical), and R. Waters (Mechanical-contractor)

The purpose of this letter is to notify you that three inspectors from Region II will conduct an inspection at your site in accordance with Inspection Procedure 71111.21N, "Design Bases Assurance Inspection (Programs)," Attachment 21N.02, "Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements." This is not considered a team inspection. The inspection will evaluate the implementation of the programs regarding power operated valves (POVs) for compliance with 10 CFR 50.55a at the Browns Ferry Nuclear Plant. The inspectors will select samples of components that are risk significant and within the scope of the program.

On **June 13**, 2022, Mr. Geoffrey Ottenberg, a Senior Reactor Inspector from the NRC's Region II office, will begin the inspection with an information gathering visit to the site, if pandemic conditions allow. The purpose of the visit is to become familiar with your program and procedures which are supposed to ensure your compliance with 10 CFR 50.55a for POVs. This will require meetings with members of your staff to discuss aspects of the program including any specific applicable regulatory commitments made by the site and your use of regulatory guides or industry standards. Your processes for generating field instructions for POV switch settings and test acceptance criteria from design documents is also expected to be discussed. Plant walkdowns to observe the potential inspection sample are expected to occur during the information gathering visit, if a site visit is made.

The enclosure lists documents that are needed prior to the information gathering visit. Please provide the referenced information to the Region II Office by **June 6, 2022**. Additional documents may be requested during the information gathering visit. The inspectors will try to minimize your administrative burden by specifically identifying only those documents required for inspection preparation. The additional information should be provided to the Inspectors in the Region II office by **July 11, 2022**. During the information gathering visit, Mr. Ottenberg will also discuss the following inspection support administrative details: (1) availability of knowledgeable plant engineering and licensing personnel to serve as points of contact during the inspection, (2) method of tracking inspector requests during the inspection, (3) computer access, (4) working space, (5) arrangements for site access, and (6) other applicable information.

**INFORMATION REQUEST FOR BROWNS FERRY NUCLEAR PLANT DESIGN BASES
ASSURANCE INSPECTION (PROGRAMS)
(10 CFR 50.55a POWER OPERATED VALVE PROGRAMS IMPLEMENTATION)**

Prior to the information gathering visit, please provide the information electronically in “.pdf” files, Excel, or other searchable format on CDROM (or FTP site, SharePoint, etc.). The CDROM (or website) should be indexed and hyperlinked to facilitate ease of use.

Contact Information: Geoffrey Ottenberg
(404) 997-4658
Geoffrey.Ottenberg@nrc.gov

Information Gathering Visit: An information gathering visit is currently scheduled the week of **June 13- June 17**, 2022. During this visit, we would like to identify the component samples for this inspection. We'd like to meet with valve specialists to discuss the upcoming inspection and our sample selection process. Purposes of the site visit are to: (a) discuss the scope of the planned inspection; (b) obtain advance information to review in preparation for the inspection; (c) ensure that the information to be reviewed is available at the beginning of the inspection; and (d) verify that logistical issues (such as obtaining both site and computer system access and arranging the location of the inspection team working area) will be resolved prior to inspector arrival. Assuming that a site visit will be completed, please reserve a room during the scheduled inspection dates. We request the room have a telephone, wireless internet access, and a licensee computer with access to procedures, corrective action program documents, and a printer.

Logistics:

Information gathering visit: **June 13- June 17**, 2022
Onsite inspection weeks: July 18- 22 and August 1- 5, 2022

Please schedule an entrance meeting for around 3:00 p.m. on Monday, July 18, 2022 (approximately 15 minutes). The date and time of the exit meeting will be discussed at a later date. In addition, I'd like to have a daily debrief with your inspection support staff at a convenient time in the afternoons for both onsite inspection weeks (Time TBD, approximately 30 minutes).

We will need a conference room as workspace for the inspectors. We will also need an area available for conducting interviews. Please provide access to your document system (preferably at least one computer in our conference room), nearby printers, and Wi-Fi access.

During the information gathering visit, please provide info on (1) conference room location & phone number, (2) cafeteria location/hours, and (3) engineering staff normal working hours. Also, please let me know if there are any potential resource conflicts during our scheduled inspection weeks (Fridays off, EOP drills, management retreats) and we'll do our best to accommodate.

Team Members: Geoffrey Ottenberg (Inspection Lead, Mechanical)
TBD (Mechanical/Electrical)
R. Waters (Mechanical- contractor)

Please verify the status of access authorization and remaining requirements for unescorted access for each inspector. Please provide me with a list of exceptions, and I will take action to address them.

Info Request:

1. A word-searchable Updated Final Safety Analysis Report (UFSAR), Technical Specifications (TS), and TS Bases. If each document is not available in a single file, please ensure a collective table of contents is provided.
2. Indicate if the NRC has granted a license amendment to categorize structures, systems, and components in accordance with 10 CFR 50.69, and if so, please provide the risk-informed safety category of the POVs important to safety at the site.
3. All NRC correspondence regarding the station's response to Generic Letter (GL) 89-10, GL 95-07, and GL 96-05, including any NRC requests for additional information (RAIs) and any NRC Safety Evaluation Report(s) associated with your site's MOV program. Include any NRC inspection reports that were conducted to close out your GL responses.
4. Any NRC correspondence regarding the station's commitments for the AOV program (if any). Please include any AOV-related regulatory commitments that are currently being tracked in the station's regulatory commitment management program.
5. Site (and corporate if applicable) procedures associated with implementation of the inservice testing (IST) program required by 10 CFR 50.55a
6. Site (and corporate if applicable) procedures associated with implementation of the MOV program required by 10 CFR 50.55a(b)(3)(ii) and/or ASME OM Code Mandatory Appendix III (as applicable).
7. Site (and corporate if applicable) procedures associated with implementation of the AOV program.
8. List of corrective action documents related to the MOV and AOV programs since January 1, 2017. Please provide list of corrective action program reports that are applicable to programmatic aspects only- no need to provide them for individual valves in the programs.
9. List of modifications, repairs, or replacement of safety related power operated valves (motor, air, solenoid, hydraulic, and pyrotechnic operated) completed since January 1, 2017, including date completed.
10. Any self-assessments or QA assessments of the MOV/AOV programs (performed since January 1, 2017).
11. List of systems (system numbers/designators and corresponding names).
12. List of site contacts that will be associated with the inspection
13. For the POVs listed in the accompanying database, please fill in as much of the indicated data as possible and provide the database back to the inspectors.

PAPERWORK REDUCTION ACT STATEMENT

This letter contains voluntary information collections that are subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). The Office of Management and Budget (OMB) approved these information collections (approval number 3150-0011). The burden to the public for these information collections is estimated to average 60 hours per response. Send comments regarding this information collection to the Information Services Branch, Office of the Chief Information Officer, Mail Stop: O-1F13, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0011) Office of Management and Budget, Washington, DC 20503.

Public Protection Notification

The NRC may not conduct nor sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid OMB control number.

POV Data Entry

| | | | | | |
|--------------------|---|-------|---|----------------------------------|---|
| Docket | <input type="text" value="259"/> | PLANT | <input type="text" value="Browns Ferry 1"/> | Date POV Inspection | <input type="text" value="07/18/2022"/> |
| Valve ID | <input type="text" value="1-FCV-1-135"/> | | POV Type | <input type="text" value="HOV"/> | |
| System Description | <input type="text" value="Main Steam - RFPT 1B HP STOP VLV"/> | | | | |

Valve Information

| | |
|--------------------|------------------------------------|
| Valve Type | <input type="text" value="Gate"/> |
| Valve Manufacturer | <input type="text"/> |
| Size (inches) | <input type="text" value="4"/> |
| Safety Function | <input type="text" value="Close"/> |
| ASME Class | <input type="text"/> |
| Risk | <input type="text"/> |

Actuator Information

| | |
|---------------------------|-----------------------------|
| Actuator Model | <input type="text"/> |
| Actuator Manufacturer | <input type="text"/> |
| Motor Type | <input type="text"/> |
| Motor Manufacturer | <input type="text"/> |
| Motor Size | <input type="text"/> ft-lbs |
| Control Switch Trip Close | <input type="text"/> |
| Control Switch Trip Open | <input type="text"/> |

Design Information

| | | | | | |
|----------------------------|----------------------|--------|----------------------------|----------------------|------|
| Required Thrust Close | <input type="text"/> | lbs | LSB Assumed (percent) | <input type="text"/> | % |
| Required Torque Close | <input type="text"/> | ft-lbs | Bearing COF Assumed (AOV) | <input type="text"/> | |
| Required Thrust Open | <input type="text"/> | lbs | Min Air Begin Stroke (AOV) | <input type="text"/> | psig |
| Required Torque Open | <input type="text"/> | ft-lbs | Min Air End Stroke (AOV) | <input type="text"/> | psig |
| Design D/P Close | <input type="text"/> | psig | Max Air Begin Stroke (AOV) | <input type="text"/> | psig |
| Design D/P Open | <input type="text"/> | psig | Max Air End Stroke (AOV) | <input type="text"/> | psig |
| Design Flow Close | <input type="text"/> | gpm | Min Spring Preload Begin | <input type="text"/> | psig |
| Design Flow Open | <input type="text"/> | gpm | Min Spring Preload End | <input type="text"/> | psig |
| Valve Factor Assumed Close | <input type="text"/> | | Max Spring Preload Begin | <input type="text"/> | psig |
| Valve Factor Assumed Open | <input type="text"/> | | Max Spring Preload End | <input type="text"/> | psig |
| Stem COF Assumed | <input type="text"/> | | Least Available | <input type="text"/> | lbs |

Test Information

| | | | | | |
|--------------------------|----------------------|------|------------------------------|----------------------|--------|
| Test D/P Close | <input type="text"/> | psig | Test Thrust Close | <input type="text"/> | lbs |
| Test Pressure Close | <input type="text"/> | psig | Test Torque Close | <input type="text"/> | ft-lbs |
| Test Flow Close | <input type="text"/> | gpm | Test Thrust Open | <input type="text"/> | lbs |
| Test System Temp Close | <input type="text"/> | °F | Test Torque Open | <input type="text"/> | ft-lbs |
| Test Ambient Temp Close | <input type="text"/> | °F | Valve Factor Measured Close | <input type="text"/> | |
| Test Motor Voltage Close | <input type="text"/> | | Valve Factor Measure Open | <input type="text"/> | |
| Test D/P Open | <input type="text"/> | psig | Valve Factor Available Close | <input type="text"/> | |
| Test Pressure Open | <input type="text"/> | psig | Valve Factor Available Open | <input type="text"/> | |
| Test Flow Open | <input type="text"/> | gpm | Stem COF Measured Close | <input type="text"/> | |
| Test System Temp Open | <input type="text"/> | °F | Stem COF Measured Open | <input type="text"/> | |
| Test Ambient Temp Open | <input type="text"/> | °F | LSB Measured | <input type="text"/> | % |
| Test Motor Voltage Open | <input type="text"/> | | Bearing COF Measured Close | <input type="text"/> | |
| % Uncertainty Applied | <input type="text"/> | % | Bearing COF Measured Open | <input type="text"/> | |

POV Qualifying Basis

| | | | |
|----------------|----------------------|---------------|----------------------|
| % Margin Close | <input type="text"/> | % Margin Open | <input type="text"/> |
| Design Basis | <input type="text"/> | | |
| Comments: | <input type="text"/> | | |



| | | | | | |
|--------------------|--------------------------------|-------|----------------|---------------------|------------|
| Docket | 259 | PLANT | Browns Ferry 1 | Date POV Inspection | 07/18/2022 |
| Valve ID | 1-FCV-1-14 | | POV Type | AOV | |
| System Description | Main Steam - MS LN A INBD ISOL | | | | |

Valve Information

| | |
|--------------------|-------|
| Valve Type | Globe |
| Valve Manufacturer | |
| Size (inches) | 26 |
| Safety Function | Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

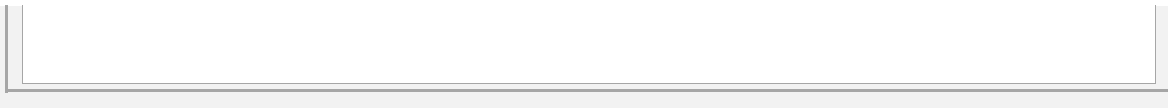
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|---|-------|----------------|---------------------|------------|
| Docket | 259 | PLANT | Browns Ferry 1 | Date POV Inspection | 07/18/2022 |
| Valve ID | 1-FCV-23-46 | | POV Type | MOV | |
| System Description | Residual Heat Removal Service Water System - RHR HTX B OUTLT | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Globe |
| Valve Manufacturer | |
| Size (inches) | 16 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 259 | PLANT | Browns Ferry 1 | Date POV Inspection | 07/18/2022 |
| Valve ID | 1-FCV-71-2 | | POV Type | MOV | |
| System Description | Reactor Core Isolation Cooling System - RCIC STM LN INBD CNTMT ISOL | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 3 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

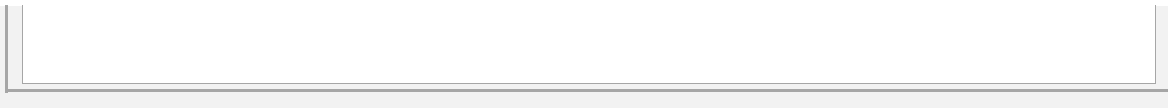
| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |
| Comments: | | | |



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 259 | PLANT | Browns Ferry 1 | Date POV Inspection | 07/18/2022 |
| Valve ID | 1-FCV-73-2 | | POV Type | MOV | |
| System Description | High Pressure Coolant Injection - HPCI STM LN INBD ISOL | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 10 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

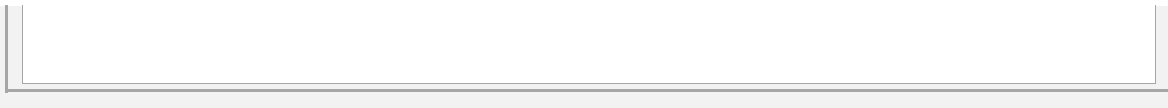
| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |
| Comments: | | | |



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 259 | PLANT | Browns Ferry 1 | Date POV Inspection | 07/18/2022 |
| Valve ID | 1-FCV-73-26 | | POV Type | MOV | |
| System Description | High Pressure Coolant Injection - PSC TO HPCI INBD ISOL | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 16 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

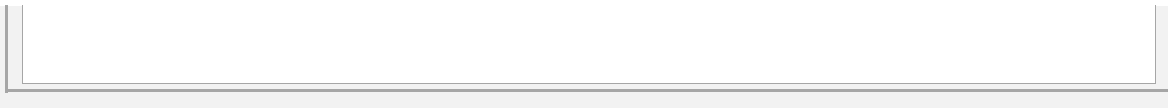
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|---|-------|----------------|---------------------|------------|
| Docket | 259 | PLANT | Browns Ferry 1 | Date POV Inspection | 07/18/2022 |
| Valve ID | 1-FCV-74-52 | | POV Type | MOV | |
| System Description | Residual Heat Removal System - RHR LPI THROTTLE | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Globe |
| Valve Manufacturer | |
| Size (inches) | 24 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 259 | PLANT | Browns Ferry 1 | Date POV Inspection | 07/18/2022 |
| Valve ID | 1-FCV-75-25 | | POV Type | MOV | |
| System Description | Core Spray Cooling System - CS LPI INJ | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 12 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

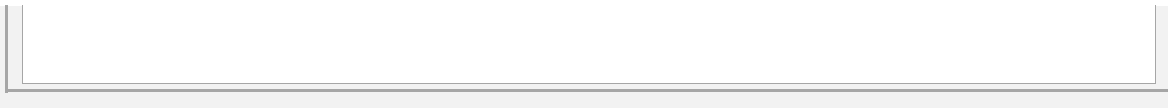
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 259 | PLANT | Browns Ferry 1 | Date POV Inspection | 07/18/2022 |
| Valve ID | 1-FCV-77-15B | | POV Type | AOV | |
| System Description | Radwaste System - DW EQ DRN SUMP OUTBD ISOL | | | | |

Valve Information

| | |
|--------------------|-------|
| Valve Type | Ball |
| Valve Manufacturer | |
| Size (inches) | 3 |
| Safety Function | Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

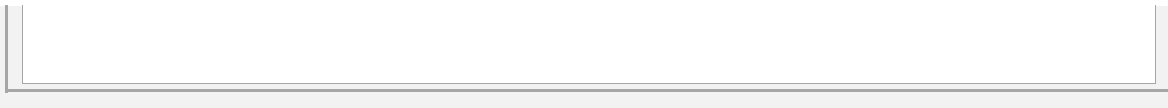
| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |
| Comments: | | | |



| | | | | | |
|--------------------|---|-------|----------------|---------------------|------------|
| Docket | 259 | PLANT | Browns Ferry 1 | Date POV Inspection | 07/18/2022 |
| Valve ID | 1-FCV-85-37E | | POV Type | AOV | |
| System Description | Control Rod Drive System - SDIV DRN ISOL EAST | | | | |

Valve Information

| | |
|--------------------|-------|
| Valve Type | Globe |
| Valve Manufacturer | |
| Size (inches) | 2 |
| Safety Function | Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |
| Comments: | | | |



| | | | | | |
|--------------------|----------------------------------|-------|----------------|---------------------|------------|
| Docket | 260 | PLANT | Browns Ferry 2 | Date POV Inspection | 07/18/2022 |
| Valve ID | 2-FCV-1-143 | | POV Type | HOV | |
| System Description | Main Steam - RFPT 2C HP STOP VLV | | | | |

Valve Information

| | |
|--------------------|-------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 4 |
| Safety Function | Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--------------------------------|-------|----------------|---------------------|------------|
| Docket | 260 | PLANT | Browns Ferry 2 | Date POV Inspection | 07/18/2022 |
| Valve ID | 2-FCV-1-37 | | POV Type | AOV | |
| System Description | Main Steam - MS LN C INBD ISOL | | | | |

Valve Information

| | |
|--------------------|-------|
| Valve Type | Globe |
| Valve Manufacturer | |
| Size (inches) | 26 |
| Safety Function | Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 260 | PLANT | Browns Ferry 2 | Date POV Inspection | 07/18/2022 |
| Valve ID | 2-FCV-23-34 | | POV Type | MOV | |
| System Description | Residual Heat Removal Service Water System - RHR HTX A OUTLT | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Globe |
| Valve Manufacturer | |
| Size (inches) | 16 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|---|-------|----------------|---------------------|------------|
| Docket | 260 | PLANT | Browns Ferry 2 | Date POV Inspection | 07/18/2022 |
| Valve ID | 2-FCV-23-52 | | POV Type | MOV | |
| System Description | Residual Heat Removal Service Water System - RHRHTX D OUTLT | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Globe |
| Valve Manufacturer | |
| Size (inches) | 16 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|---|-------|----------------|---------------------|------------|
| Docket | 260 | PLANT | Browns Ferry 2 | Date POV Inspection | 07/18/2022 |
| Valve ID | 2-FCV-67-50 | | POV Type | AOV | |
| System Description | Emergency Equipment Cooling Water System - EECW N HDR TO RBCCW HTX | | | | |

Valve Information

| | |
|--------------------|-----------|
| Valve Type | Butterfly |
| Valve Manufacturer | |
| Size (inches) | 8 |
| Safety Function | Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

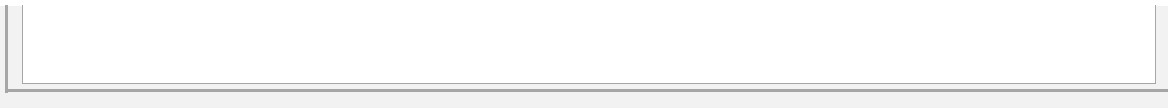
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 260 | PLANT | Browns Ferry 2 | Date POV Inspection | 07/18/2022 |
| Valve ID | 2-FCV-71-2 | | POV Type | MOV | |
| System Description | Reactor Core Isolation Cooling System - RCIC STM LN INBD CNTMT ISOL | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 3 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

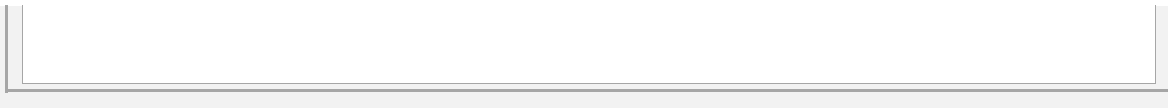
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|---|-------|----------------|---------------------|------------|
| Docket | 260 | PLANT | Browns Ferry 2 | Date POV Inspection | 07/18/2022 |
| Valve ID | 2-FCV-73-16 | | POV Type | MOV | |
| System Description | High Pressure Coolant Injection System - HPCI TRB STM SPLY VLV | | | | |

Valve Information

| | |
|--------------------|------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 10 |
| Safety Function | Open |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

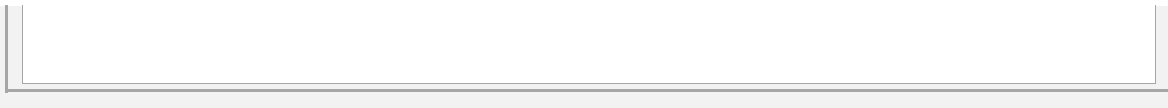
| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |
| Comments: | | | |



| | | | | | |
|--------------------|---|-------|----------------|---------------------|------------|
| Docket | 260 | PLANT | Browns Ferry 2 | Date POV Inspection | 07/18/2022 |
| Valve ID | 2-FCV-74-57 | | POV Type | MOV | |
| System Description | Residual Heat Removal System - RHR LP I PSC RTN | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 18 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

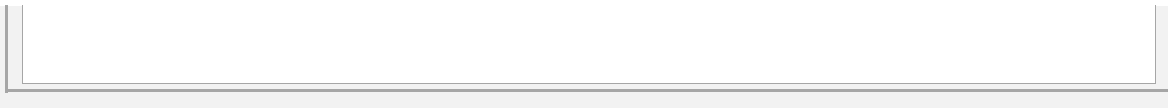
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 260 | PLANT | Browns Ferry 2 | Date POV Inspection | 07/18/2022 |
| Valve ID | 2-FCV-74-67 | | POV Type | MOV | |
| System Description | Residual Heat Removal System - RHR LP II INJ | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 24 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 260 | PLANT | Browns Ferry 2 | Date POV Inspection | 07/18/2022 |
| Valve ID | 2-FCV-77-2B | | POV Type | AOV | |
| System Description | Radwaste System - DW FL DRN SMP OUTBD ISOL | | | | |

Valve Information

| | |
|--------------------|-------|
| Valve Type | Ball |
| Valve Manufacturer | |
| Size (inches) | 3 |
| Safety Function | Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--------------------------------|-------|----------------|---------------------|------------|
| Docket | 296 | PLANT | Browns Ferry 3 | Date POV Inspection | 07/18/2022 |
| Valve ID | 3-FCV-1-14 | | POV Type | AOV | |
| System Description | Main Steam - MS LN A INBD ISOL | | | | |

Valve Information

| | |
|--------------------|-------|
| Valve Type | Globe |
| Valve Manufacturer | |
| Size (inches) | 26 |
| Safety Function | Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |
| Comments: | | | |



| | | | | | |
|--------------------|----------------------------------|-------|----------------|---------------------|------------|
| Docket | 296 | PLANT | Browns Ferry 3 | Date POV Inspection | 07/18/2022 |
| Valve ID | 3-FCV-1-55 | | POV Type | MOV | |
| System Description | Main Steam - MS DRN LN INBD ISOL | | | | |

Valve Information

| | |
|--------------------|-------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 3 |
| Safety Function | Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |
| Comments: | | | |



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 296 | PLANT | Browns Ferry 3 | Date POV Inspection | 07/18/2022 |
| Valve ID | 3-FCV-23-34 | | POV Type | MOV | |
| System Description | Residual Heat Removal Service Water - RHR HTX A OUTLT | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Globe |
| Valve Manufacturer | |
| Size (inches) | 16 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

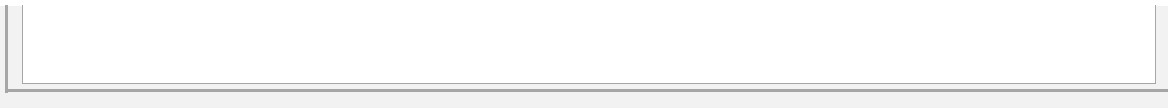
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 296 | PLANT | Browns Ferry 3 | Date POV Inspection | 07/18/2022 |
| Valve ID | 3-FCV-63-8A | | POV Type | Squib | |
| System Description | Standby Liquid Control - SLC PMP A INJ | | | | |

Valve Information

| | |
|--------------------|------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 1.5 |
| Safety Function | Open |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

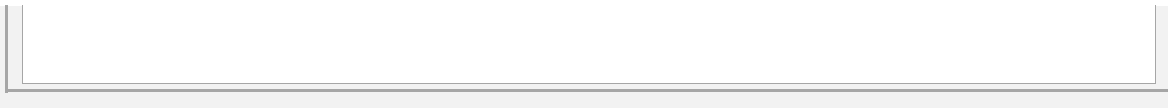
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|---|-------|----------------|---------------------|------------|
| Docket | 296 | PLANT | Browns Ferry 3 | Date POV Inspection | 07/18/2022 |
| Valve ID | 3-FCV-67-50 | | POV Type | AOV | |
| System Description | Emergency Equipment Cooling Water System - EECW N HDR TO RBCCW HTX | | | | |

Valve Information

Actuator Information

| | | | |
|--------------------|-----------|---------------------------|--------|
| Valve Type | Butterfly | Actuator Model | |
| Valve Manufacturer | | Actuator Manufacturer | |
| Size (inches) | 8 | Motor Type | |
| Safety Function | Close | Motor Manufacturer | |
| ASME Class | | Motor Size | ft-lbs |
| Risk | | Control Switch Trip Close | |
| | | Control Switch Trip Open | |

Design Information

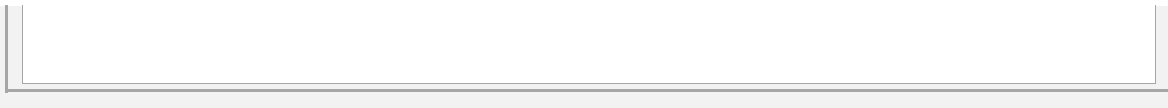
| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |
| Comments: | | | |



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 296 | PLANT | Browns Ferry 3 | Date POV Inspection | 07/18/2022 |
| Valve ID | 3-FCV-73-16 | | POV Type | MOV | |
| System Description | High Pressure Coolant Injection - HPCI TRB STM SPLY VLV | | | | |

Valve Information

| | |
|--------------------|------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 10 |
| Safety Function | Open |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 296 | PLANT | Browns Ferry 3 | Date POV Inspection | 07/18/2022 |
| Valve ID | 3-FCV-73-26 | | POV Type | MOV | |
| System Description | High Pressure Coolant Injection - PSC TO HPCI INBD ISOL | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 16 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

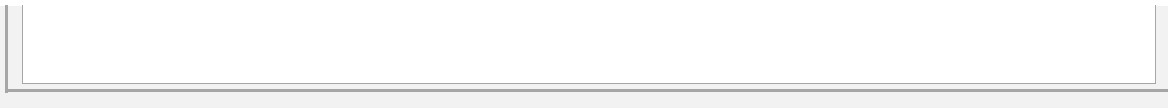
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|---|-------|----------------|---------------------|------------|
| Docket | 296 | PLANT | Browns Ferry 3 | Date POV Inspection | 07/18/2022 |
| Valve ID | 3-FCV-74-71 | | POV Type | MOV | |
| System Description | Residual Heat Removal System - RHR LOOP II PSC RTN | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 18 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

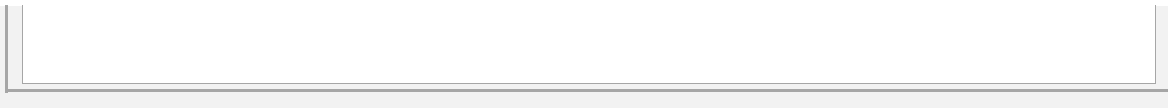
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|--|-------|----------------|---------------------|------------|
| Docket | 296 | PLANT | Browns Ferry 3 | Date POV Inspection | 07/18/2022 |
| Valve ID | 3-FCV-75-53 | | POV Type | MOV | |
| System Description | Core Spray Cooling System - CS LOOP II INJ | | | | |

Valve Information

| | |
|--------------------|------------|
| Valve Type | Gate |
| Valve Manufacturer | |
| Size (inches) | 12 |
| Safety Function | Open/Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

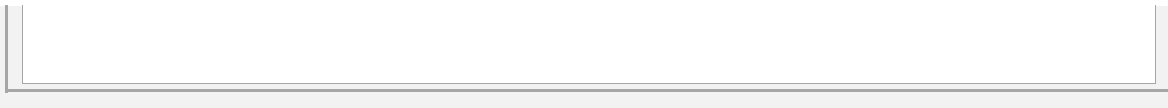
Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:



| | | | | | |
|--------------------|---|-------|----------------|---------------------|------------|
| Docket | 296 | PLANT | Browns Ferry 3 | Date POV Inspection | 07/18/2022 |
| Valve ID | 3-FCV-75-57 | | POV Type | AOV | |
| System Description | Core Spray Cooling System - CS DRN PMP A INBD ISOL | | | | |

Valve Information

| | |
|--------------------|-------|
| Valve Type | Globe |
| Valve Manufacturer | |
| Size (inches) | 3 |
| Safety Function | Close |
| ASME Class | |
| Risk | |

Actuator Information

| | |
|---------------------------|--------|
| Actuator Model | |
| Actuator Manufacturer | |
| Motor Type | |
| Motor Manufacturer | |
| Motor Size | ft-lbs |
| Control Switch Trip Close | |
| Control Switch Trip Open | |

Design Information

| | | | | | |
|----------------------------|--|--------|----------------------------|--|------|
| Required Thrust Close | | lbs | LSB Assumed (percent) | | % |
| Required Torque Close | | ft-lbs | Bearing COF Assumed (AOV) | | |
| Required Thrust Open | | lbs | Min Air Begin Stroke (AOV) | | psig |
| Required Torque Open | | ft-lbs | Min Air End Stroke (AOV) | | psig |
| Design D/P Close | | psig | Max Air Begin Stroke (AOV) | | psig |
| Design D/P Open | | psig | Max Air End Stroke (AOV) | | psig |
| Design Flow Close | | gpm | Min Spring Preload Begin | | psig |
| Design Flow Open | | gpm | Min Spring Preload End | | psig |
| Valve Factor Assumed Close | | | Max Spring Preload Begin | | psig |
| Valve Factor Assumed Open | | | Max Spring Preload End | | psig |
| Stem COF Assumed | | | Least Available | | lbs |

Test Information

| | | | | | |
|--------------------------|--|------|------------------------------|--|--------|
| Test D/P Close | | psig | Test Thrust Close | | lbs |
| Test Pressure Close | | psig | Test Torque Close | | ft-lbs |
| Test Flow Close | | gpm | Test Thrust Open | | lbs |
| Test System Temp Close | | °F | Test Torque Open | | ft-lbs |
| Test Ambient Temp Close | | °F | Valve Factor Measured Close | | |
| Test Motor Voltage Close | | | Valve Factor Measure Open | | |
| Test D/P Open | | psig | Valve Factor Available Close | | |
| Test Pressure Open | | psig | Valve Factor Available Open | | |
| Test Flow Open | | gpm | Stem COF Measured Close | | |
| Test System Temp Open | | °F | Stem COF Measured Open | | |
| Test Ambient Temp Open | | °F | LSB Measured | | % |
| Test Motor Voltage Open | | | Bearing COF Measured Close | | |
| % Uncertainty Applied | | % | Bearing COF Measured Open | | |

POV Qualifying Basis

| | | | |
|----------------|--|---------------|--|
| % Margin Close | | % Margin Open | |
| Design Basis | | | |

Comments:

