

**From:** [Ottenberg, Geoffrey](#)  
**To:** [Falkiewicz, Timothy](#)  
**Cc:** [Smith, Brian](#); [Ottenberg, Geoffrey](#)  
**Subject:** St. Lucie POV Inspection Information Request  
**Date:** Friday, October 08, 2021 1:51:31 PM  
**Attachments:** [St Lucie POV Data.docx](#)  
[2022 PSL - POV Inspection Information Request.docx](#)

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Good afternoon Tim,

Thank you for working with me to get the POV inspection started. As mentioned previously, attached you will find a Word document containing a notification letter with some general details regarding the inspection, including the inspection procedure we will be using, the planned dates of the inspection, and the current inspection staffing. The notification letter also contains an information request for general references the inspectors will need to prepare for the inspection, and it also requests valve-specific information indicated in the attached Access database (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 'St Lucie POV Data.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.

Sincerely,

**Geoff Ottenberg**

Senior Reactor Inspector - Engineering Branch I

Division of Reactor Safety

U.S. Nuclear Regulatory Commission

404-997-4658

[Geoffrey.Ottenberg@nrc.gov](mailto:Geoffrey.Ottenberg@nrc.gov)

**St. Lucie 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: January 24-28, 2022  
Preparation Week: February 21-25, 2022  
Onsite Week 1: February 28- March 4, 2022  
Onsite Week 2: March 14-18, 2022

**Inspection Report:** 05000335, 389/2022010  
(Standalone Inspection Report)

**Inspectors:** B. Smith (Lead/Mechanical), G. Ottenberg (Mechanical), and K. Kirchbaum (Mechanical)

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 St. Lucie Plant. The inspectors will select samples of components that are risk significant and within the scope of the program.

On January 24, 2022, Mr. Brian Smith, a Headquarters Operations Officer, accompanied by 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 January 17, 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 February 21, 2022. During the information gathering visit, Mr. Smith 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 ST. LUCIE 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:** Brian Smith  
(301) 816-5148  
[Brian.Smith2@nrc.gov](mailto:Brian.Smith2@nrc.gov)

**Information Gathering Visit:** An information gathering visit is currently scheduled the week of January 24-28, 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:* January 24-28, 2022

*Onsite inspection weeks:* February 28- March 4 and March 14-18, 2022

Please schedule an entrance meeting for around 3:00 p.m. on Monday, February 28, 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:**

Brian Smith (Inspection Lead, Mechanical)  
Geoffrey Ottenberg (Mechanical)  
Kevin Kirchbaum (Mechanical)

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.
14. A copy of the following design change packages: EC 293440, EC 292549, EC 291751

**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](mailto: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="335"/>	PLANT	<input type="text" value="St. Lucie 1"/>	Date POV Inspection	<input type="text" value="02/22/2022"/>
Valve ID	<input type="text" value="1-FCV-25-8"/>		POV Type	<input type="text" value="AOV"/>	
System Description	<input type="text" value="Containment Vacuum Relief Isolation Valve"/>				

## Valve Information

Valve Type	<input type="text" value="Butterfly"/>
Valve Manufacturer	<input type="text"/>
Size (inches)	<input type="text" value="24"/>
Safety Function	<input type="text" value="Open/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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-HCV-08-2A		POV Type	AOV	
System Description	1A Main Steamline Atmospheric Dump Valve				

### Valve Information

Valve Type	Globe
Valve Manufacturer	
Size (inches)	6
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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-HCV-09-8		POV Type	AOV	
System Description	1B Main Feedwater Isolation Valves				

### Valve Information

Valve Type	Gate
Valve Manufacturer	
Size (inches)	20
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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-HCV-14-3A		POV Type	MOV	
System Description	1A Shutdown Cooling Heat Exchanger Water Return Valve				

### Valve Information

Valve Type	Butterfly
Valve Manufacturer	
Size (inches)	14
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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-HCV-14-6		POV Type	POV	
System Description	RCP Cooling Water Outlet Containment Isolation Valve				

### 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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-HCV-3616		POV Type	MOV	
System Description	1B HPSI 1A2 Cold Leg Injection Isolation Valve				

### Valve Information

Valve Type	Globe
Valve Manufacturer	
Size (inches)	2
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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-HCV-3625		POV Type	MOV	
System Description	1A1 LPSI Cold Leg Injection Isolation Valve				

### Valve Information

Valve Type	Globe
Valve Manufacturer	
Size (inches)	6
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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-MV-07-2A		POV Type	MOV	
System Description	'A' Train SI Pump Containment Sump Suction Valve				

### Valve Information

Valve Type	Butterfly
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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-MV-07-3A		POV Type	MOV	
System Description	Containment Spray Discharge Header Stop Valve				

### Valve Information

Valve Type	Gate
Valve Manufacturer	
Size (inches)	12
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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-MV-08-13		POV Type	MOV	
System Description	AFW Pump Turbine Steam Supply Valve from 1A S/G				

### Valve Information

Valve Type	Globe
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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-V1403		POV Type	MOV	
System Description	PORV Block Valve				

### Valve Information

Valve Type	Gate
Valve Manufacturer	
Size (inches)	2.5
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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-V2501		POV Type	MOV	
System Description	Volume Control Tank Discharge Isolation Valve				

### Valve Information

Valve Type	Gate
Valve Manufacturer	
Size (inches)	4
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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-V2504		POV Type	MOV	
System Description	RWT to Charging Pump Suction Isolation Valve				

### 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	335	PLANT	St. Lucie 1	Date POV Inspection	02/22/2022
Valve ID	1-V2515		POV Type	AOV	
System Description	Letdown Isolation Valve				

### 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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-FCV-23-5		POV Type	AOV	
System Description	2B Steam Generator Blowdown Isolation				

### 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

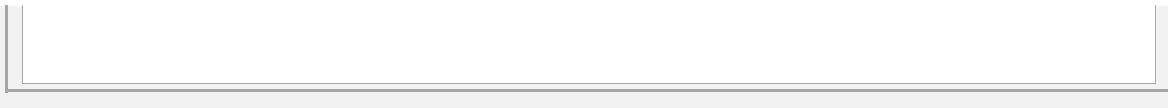
### Test Information

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:



Docket	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-HCV-08-1A		POV Type	AOV	
System Description	Main Steam Isolation Valve (MSIV)				

### Valve Information

Valve Type	Globe
Valve Manufacturer	
Size (inches)	34
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

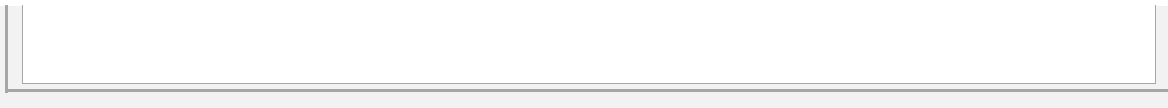
### Test Information

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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-HCV-09-2A		POV Type	POV	
System Description	Main Feedwater Block Valve				

### Valve Information

Valve Type	Gate
Valve Manufacturer	
Size (inches)	20
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

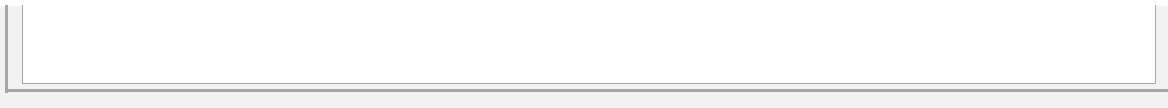
### Test Information

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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-HCV-18-2		POV Type	AOV	
System Description	Service Air Containment Isolation Valve (Pen P 8)				

### 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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-HCV-3616		POV Type	MOV	
System Description	2B HPSI Cold Leg Injection Isolation Valve				

### Valve Information

Valve Type	Globe
Valve Manufacturer	
Size (inches)	2
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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-HCV-3635		POV Type	MOV	
System Description	LPSI Cold Leg Injection Isolation Valve				

### Valve Information

Valve Type	Globe
Valve Manufacturer	
Size (inches)	6
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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-LCV-07-11B		POV Type	AOV	
System Description	Containment Spray Discharge Header Stop Valve				

### 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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-MV-07-2A		POV Type	MOV	
System Description	SI Pump Containment Sump Suction Valve				

### Valve Information

Valve Type	Butterfly
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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-MV-08-12		POV Type	MOV	
System Description	Auxiliary Feedwater Pump Turbine Steam Supply Valve				

### Valve Information

Valve Type	Gate
Valve Manufacturer	
Size (inches)	4
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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-MV-08-15		POV Type	MOV	
System Description	Main Steamline Atmospheric Dump Block Valve				

### Valve Information

Valve Type	Gate
Valve Manufacturer	
Size (inches)	8
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

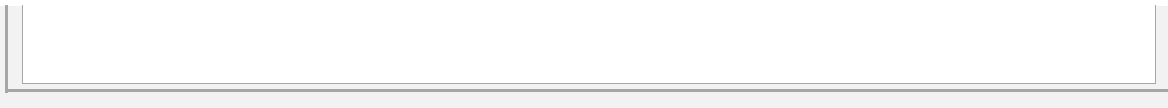
### Test Information

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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-MV-08-18B		POV Type	MOV	
System Description	Main Steamline Atmospheric Dump Valve				

### Valve Information

Valve Type	Globe
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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-MV-08-19B		POV Type	MOV	
System Description	Main Steamline Atmospheric Dump Valve				

### Valve Information

Valve Type	Globe
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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-MV-09-12		POV Type	MOV	
System Description	2C AFW Flow Control Valve				

### Valve Information

Valve Type	Globe
Valve Manufacturer	
Size (inches)	4
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

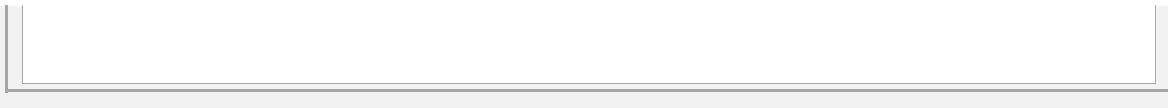
### Test Information

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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-V1475		POV Type	SOV	
System Description	Pressurizer Power Operated Relief Valve (PORV)				

### Valve Information

Valve Type	Globe
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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-V3523		POV Type	MOV	
System Description	2B HPSI Hot Leg Injection Isolation Valve				

### Valve Information

Valve Type	Globe
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	389	PLANT	St. Lucie 2	Date POV Inspection	02/22/2022
Valve ID	2-V3740		POV Type	SOV	
System Description	2B2 SI Tank Vent Valve				

### Valve Information

Valve Type	Globe
Valve Manufacturer	
Size (inches)	1
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:

