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April 7, 2022

Docket Nos.: 52-025  
52-026

ND-22-0253  
10 CFR 50.55a

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

**Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Units 3 and 4  
Submittal of Preservice Test Plan – Version 4.0**

Ladies and Gentlemen:

In accordance with the applicable American Society of Mechanical Engineers Code for Operation and Maintenance of Nuclear Power Plants (ASME OM Code), Subparagraph ISTA-3200, and Southern Nuclear Operating Company (SNC) procedures, SNC is submitting, for your information, a copy of the Vogtle Electric Generating Plant Units 3 and 4 Preservice Test Plan Version 4.0.

This version replaces Version 3.0 of the Preservice Test Plan submitted June 3, 2020 (ADAMS No. ML20155K908). This version adds a note for MSS-V001, V002, V003, V004, V005, V006, SGS-V040A/B, and V057A/B to clarify testing, revises normal positions of PCS-V042, V044, and V046, adds augmented testing for SFS-V042, V045, and V049, revises designations for snubbers in supports which contain multiple snubbers, and includes revised references, and various editorial and grammatical revisions.

This letter contains no regulatory commitments. This letter has been reviewed and confirmed to contain no security-related information.

Should you have any questions, please contact Ms. Amy Chamberlain at (205) 992-6361.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY

A handwritten signature in black ink that reads "Amy C. Chamberlain".

Amy C. Chamberlain  
Manager, Regulatory Affairs  
Southern Nuclear Operating Company

Enclosure 1: Vogtle Electric Generating Plant Units 3&4, Preservice Test Plan Version 4.0

U.S. Nuclear Regulatory Commission

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**Southern Nuclear Operating Company**

**ND-22-0253  
Enclosure 1**

**Vogtle Electric Generating Plant Units 3 and 4**

**Preservice Test Plan Version 4.0  
(April 2022)**

**(This enclosure consists of 127 pages, not including this cover page.)**

# **PRESERVICE TEST PLAN**

**Vogtle Electric Generating Plant Units 3&4**

**Docket Nos. 52-025 & 52-026**

**License Nos. NPF-91 & 92**

**March 28, 2022**

**Commercial Operation dates:**

**TBD (Unit 3)**

**TBD (Unit 4)**

**Owner: Southern Nuclear Operating Company Inc.  
Post Office Box 1295  
Birmingham, AL 35201-1295**

**Plant Location: 7825 River Road  
Waynesboro, GA 30830**

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## **1.0 PST PROGRAM INTRODUCTION**

### **1.1 GENERAL**

This document describes the Pump, Valve, and Dynamic Restraint Preservice Testing (PST) Plan for the Vogtle Electric Generating Plant (VEGP), Units 3 & 4. Provided below are important dates relative to the PST Plan.

Combined Operating License: February 10, 2012 (Unit 3); February 10, 2012 (Unit 4)

Estimated Commercial Operation: September 2022 (Unit 3); February 2023 (Unit 4)

### **1.2 CODE EDITION**

This PST Plan is based on the American Society of Mechanical Engineers (ASME) Operation and Maintenance of Nuclear Power Plants (OM) Code 2012 Edition, which was approved for use in 10 CFR 50.55a effective August 17, 2017.

### **1.3 EFFECTIVE DATE**

The PST plan will begin on the date of the submittal of this plan and conclude with the initial electrical generation by nuclear heat on each unit, unless federal regulations are revised otherwise.

### **1.4 SCOPE**

This document is a description of the PST Plan for Units 3 and 4 at VEGP. This document describes only the PST required by the OM Code for applicable components required to be tested by the OM Code, 10CFR50.55a, and additional components committed to be included in the PST plan in the Updated Final Safety Analysis Report (UFSAR).

To ensure that components that meet the Scope requirements of the OM Code, but may not be required to be constructed to ASME B&PV Code Class 1, 2 or 3, are adequately tested for operational readiness as required by 10CFR50.55a(f)(4), this PST plan includes all Safety Related (AP1000 Quality group A, B, C) pumps, valves and dynamic restraints that meet the Scope of ISTA-1100, and ISTF-1100.

### **1.5 SUBSEQUENT PLAN REVISIONS**

It is anticipated that revisions to this document required by changes to the design during the Preservice Test Period will be maintained on site. Any changes which require NRC approval of Alternative testing requirements will be submitted in accordance with 10CFR50.55a(z).

### **1.6 RESPONSIBILITY**

Southern Nuclear Operating Company (SNC) bears the overall responsibility for the implementation of the Preservice testing activities contained in this program per the ASME OM Code, Subsection ISTA-1500.

## **1.7 RECORDS**

Records and documentation of information and testing results, which provided the basis for evaluation and which facilitate comparison with results from previous and subsequent tests, will be maintained and available for the active life of the component or system in accordance with the ASME OM Code, Subsection ISTA-9000.



## 2.0 ABBREVIATIONS

<u>ABBREVIATION</u>	<u>DEFINITION</u>
A	Active (valve table)
A	OM Code Category “A” Valve
AC	OM Code Categories “A” and “C” both apply
ADS	Automatic Depressurization System
AI	As-Is
Alt	Alternative per 10CFR50.55a(z)
AO	Air Operated
A/P	Active/Passive (valve table)
App	Appendix
App. J	Leak rate testing to 10CFR50 Appendix J requirements (CIV)
ASME	American Society of Mechanical Engineers
ASME OM Code	ASME Operation and Maintenance of Nuclear Power Plants Code
Aug	Augmented scope (not required by ASME OM Code)
B	OM Code Category “B” Valve
BA	Ball Valve
BU	Butterfly Valve
C	OM Code Category “C” Valve
C	Close/Closed
CAS	Compressed Air System
Cat	Category
CC	Code Case
CCS	Component Cooling Water System
CFR	Code of Federal Regulations
CK	Check Valve
CIV	Containment Isolation Valve
CKC	Check Valve Closed
CKO	Check Valve Open
CKOP	Check Valve Partial Opening
CMT	Core Make-up Tank
Co-Ord.	Coordinate
CVS	Chemical and Volume Control System
CV	Check Valve
D	OM Code Category “D” Valve
DVI	Direct Vessel Injection
DWS	Demineralized Water System

EH	Electro-Hydraulic Operated
ETM	Exercise Test Manual Valve (Full stroke)
FHS	Fuel Handling System
FPS	Fire Protection System
FST	Fail-Safe Test
GA	Gate Valve
GL	Globe Valve
H	Hydraulic Snubber
IRC	Inside Reactor Containment building
IRWST	In-Containment Refueling Water Storage Tank
LC	Locked Closed
LO	Locked Open
LT	Leak Test
MA	Manual Operator
MO	Motor Operated
MSS	Main Steam System
MTS	Main Turbine System
N	No
NA	Not Applicable
O	Open
ORC	Outside Reactor Containment building
P	Passive (valve basis table)
PCS	Passive Containment Cooling System
PH	Pneumatic/Hydraulic
PI	Remote Position Indication Verification
PIV	Pressure Isolation Valve (see UFSAR Table 3.9-18)
PORV	Power Operated Relief Valve
PL	Plug Valve
PSS	Primary Sampling System
PWS	Potable Water System
PXS	Passive Core Cooling System

RCS	Reactor Coolant System
RD	Rupture Disc
RNS	Normal Residual Heat Removal System
RRD	Replace Rupture Disc
RV	Relief Valve
RVT	Relief Valve Test
SA	Self-Actuating
SC	Stop Check valve
SDS	Sanitary Drainage System
SFS	Spent Fuel Pool Cooling System
SGS	Steam Generation System
SO	Solenoid Operated
SQ	Squib (explosively actuated) Valve
STC	Stroke Time Closed test
STO	Stroke Time Open test
VB	Vacuum Breaker
VBS	Nuclear Island Non-Radioactive Ventilation System
VE	Visual Examination
VES	Main Control Room Emergency Habitability System
VFS	Containment Air Filtration System
VWS	Central Chilled Water System
WLS	Liquid Radioactive Waste System
Y	Yes
III-3100	MOV capability verification per ASME OM Code App. III-3100
III-3300	MOV Preservice test per ASME OM Code App. III-3300

### **3.0 PROGRAM ALTERNATIVES**

#### **3.1 ALTERNATIVES**

This section identifies the Alternatives to the requirements of 10CFR50.55a and the OM Code requested under 10 CFR 50.55a(z) and approved by the NRC.

Alternative VEGP 3&4-PST-Alt-01 to the PST plan, regarding charge testing of explosively actuated valves was authorized by the NRC on 3/26/2019 and is attached.

Alternative VEGP 3&4-PST-Alt-02 to the PST plan, regarding testing of Class 1 safety valves before initial electric power generation, was authorized by the NRC on 5/28/2019 and is attached.

#### **3.2 CODE CASES**

This section identifies the Code Cases, and associated limitations, that are incorporated in this PST plan.

No Code Cases are currently used in this PST plan.

**Alternative VEGP3&4-PST-Alt-01**

<b>Plant Site-Unit:</b>	Vogtle Electric Generating Plant (VEGP) – Units 3 and 4
<b>Interval-Interval Dates:</b>	Applies to the preservice testing period.
<b>Approval Date:</b>	March 26, 2019.
<b>ASME Code Components Affected:</b>	ASME Class 1 and 3 Explosively Actuated Valves.
<b>Applicable Code Edition and Addenda:</b>	ASME OM Code, 2012 Edition (Code of Record).
<b>Applicable Code Requirements:</b>	<p>ASME OM Code, ISTC-3100(d)(2) requires that for post-2000 plants, Category D explosively actuated valves shall be preservice tested as follows:</p> <p>Select a sample of at least 20% of the pyrotechnic charges in all valves to be tested. Test each selected charge either in the valve, or a qualified test fixture to confirm the capability of each sampled charge to provide the necessary motive force to operate the valve to perform its intended function without damage to the valve body or connected piping. The sampling must include at least one explosively actuated valve from each redundant safety train.</p>
<b>Reason for Request:</b>	<p>Based on the ASME OM Code definition of preservice test, which states “test performed after completion of construction activities related to the component...,” and the statement in ISTC-3100(d)(2) that “Pyrotechnic charges in all valves,” it is implied that the charges must be installed in the valves, and the valves be installed in the system, prior to selection of the charges for testing. Handling of explosive charges exposes personnel to significant risks. Since the charges are fabricated and shipped separately, and the testing will be done by the vendor or another offsite test facility, the current requirements would involve shipping of the charges to the site, installation of the charges in the valves (which would be installed in the</p>

	<p>piping, in containment), removal of the charges, and shipment of the charges back to the vendor or other test facility.</p> <p>To minimize handling and transportation of explosive charges, it is proposed to select the charges after fabrication and retain for testing at the vendor, or in the worst case, ship them from the vendor to a separate facility for testing.</p>
<p><b>Proposed Alternative and Basis for Use:</b></p>	<p><b>Proposed Alternative:</b></p> <p>In lieu of the requirements of ISTC-3100(d)(2), perform the following:</p> <p>Select a sample of pyrotechnic charges, following fabrication for testing; this may include charges used for qualification of the batch. The sample shall include a quantity of charges equal to at least 20% of the number of charges of each size installed in the plant and shall include at least one from each manufacturer batch. A description of SNC's planned testing relative to the Code requirements is shown in Table 1 below. Each selected charge shall be tested in a qualified test fixture to confirm the capability of each sampled charge to provide the necessary motive force to operate the valve to perform its intended function without damage to the valve body or connected piping.</p>
	<p><b>Basis for Use:</b></p> <p>The proposed alternative provides an equivalent level of safety as it ensures the charges are tested to the same criteria, and that the charges are tested from each batch (manufacturer, lot and size). The allowance of crediting the qualification samples is equivalent to or better than ISTC-5260(d), which only requires test firing of one charge per batch prior to installation as a replacement charge.</p> <p>The requirement regarding inclusion of one test sample from each train is not applicable, because the charges are selected for testing prior to installation in the valve. However, the selection of charges for installation in valves of each train is random; therefore, the level of testing is equivalent.</p> <p>The proposed alternative provides improved personnel safety by minimizing the transportation and handling of explosive charges.</p> <p>Because the proposed alternative tests an equivalent number of pyrotechnic charges to the same criteria, this proposed alternative provides an acceptable level of quality and safety in accordance with 10 CFR 50.55a(z)(1).</p>

<b>Duration of Proposed Alternative:</b>	Preservice testing conducted prior to commercial operation.
<b>References:</b>	None.

Table 1: Vogtle 3&4 Planned Explosively Actuated Valve Charge Testing per Purchase Specification

<b>Batch</b>	<b>Charge size</b>	<b>Number in plants (number per unit x units)</b>	<b>IST (20%)</b>	<b>IST (1/train)</b>	<b>Number to be Tested</b>	<b>Number Fabricated</b>
A	14" valves	8 (4 x 2)	2	4	8	16
B	8" valves – high	12 (6 x 2)	3	6	8	20
C	8" valves – low	4 (2 x 2)	1	2	8	12
Notes: 1. Each charge size is a single batch 2. There are two sizes of charges for the 8" explosively actuated valves, high energy and low energy						

**Alternative VEGP3&4-PST-Alt-02**

<b>Plant Site-Unit:</b>	Vogtle Electric Generating Plant (VEGP) – Units 3 and 4
<b>Interval-Interval Dates:</b>	Applies to the preservice testing period.
<b>Date Authorized:</b>	May 28, 2019
<b>ASME Code Components Affected:</b>	ASME Class 1 Safety Valves.
<b>Applicable Code Edition and Addenda:</b>	ASME OM Code, 2012 Edition (code of record).
<b>Applicable Code Requirements:</b>	ASME OM Code, I-7210 requires Class 1 safety valve testing. Within 6 months before initial reactor criticality, each valve shall have its set-pressure verified. Set-pressure verification shall be determined by pressurizing the system up to the valve set-pressure and opening the valve, or the valve may be tested at or below normal system operating pressures with an assist device.
<b>Reason for Request:</b>	<p>The existing Code requirement implies that the safety valves be tested in place. The valves are located on top of the pressurizer. Due to the temperature environment of this location, testing of the safety valves presents a personnel safety issue to personnel performing the testing as it involves activities such as use of an assist device and installation of a gag on the valve not being tested.</p> <p>Also, the timing requirement of within 6 months before initial criticality provides potential scheduling issues. If the 6 months expires just before initial criticality, the plant would be in a hot, pressurized condition and would have to be cooled down and depressurized to replace the valves. Tying testing to the fuel load milestone is favorable since, for potential delays that</p>



	<p>push the fuel load date outside of the proposed 3 month test requirement, the plant would be in a cold and depressurized condition, and the valves could be removed and replaced without having to put a thermal cycle on the plant with the associated time delays of cooling down/depressurizing and subsequent return to normal operating temperature and pressure.</p> <p>Per discussions with the Appendix I Sub-Group, the purpose of this requirement is to ensure that the plant is started up with safety valves with recently verified setpoints and to ensure that valves do not go an excessive time prior to retesting if initial startup is prolonged. Additionally, they believe that I-7210 was not meant to preclude the use of pretested valves. The use of pretested valves is allowed per I-1320 in lieu of in place testing for routine inservice testing.</p>
<p><b>Proposed Alternative and Basis for Use:</b></p>	<p><b>Proposed Alternative:</b></p> <p>In lieu of performing setpoint testing with the valve installed in the system within 6 months before initial criticality in accordance with I-7210, Class 1 Safety Valves shall be replaced with Pretested valves. The set-pressure test of the valves shall not be more than 3 months prior to the commencement of Initial Fuel loading. The initial testing per I-1320, shall be no longer than 24 months from the date of the set-pressure verification test.</p> <p><b>Basis for Use:</b></p> <p>The Class 1 safety relief valves are Crosby, model number HB-BP-86. This manufacturer and model have been commonly used in the nuclear industry in this application and have a history of acceptable performance with regards to setpoint drift.</p> <p>The proposed alternative provides an equivalent level of safety as it ensures that the safety valves setpoints will be verified recently prior to beginning of fuel loading and subsequent initial startup activities, and that inservice valve testing is not extended past the normal frequency, even if the startup process prior to Initial Generation of Electricity by nuclear heat is prolonged. This alternative provides the additional benefit of improving personnel safety by not having personnel in a heat stress environment to perform in-place testing.</p> <p>If the schedule of startup activities begins to challenge a testing frequency of 24 months following the preservice test, SNC will evaluate additional setpoint testing prior to startup or performance of a mid-cycle shutdown to ensure inservice testing is performed at the required inservice testing interval. A</p>

	<p>review was performed of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) 2.1.02.08a.ii for testing and analysis of safety relief valves in accordance with ASME Section III. This proposed Code alternative does not have any impact on the ITAAC.</p> <p>Since the proposed alternative is consistent with inservice testing requirements for replacing with pretested valves in accordance with I-1320(b) and the frequency of the first inservice test limits the amount of time between set-pressure verification tests, this proposed alternative provides an acceptable level of quality and safety in accordance with 10 CFR 50.55a(z)(1).</p>
<b>Duration of Proposed Alternative:</b>	Preservice testing conducted prior to commercial operation.
<b>References:</b>	None.

#### **4.0 PRESERVICE TESTING OF PUMPS**

##### **4.1 GENERAL**

There are no pumps in the AP1000 design that meet the scoping criteria of ISTF-1100. ISTF-1000 which provides the scoping criteria for pumps to be included in the PST plan, includes only pumps that have an emergency power source. The emergency power source (Class 1E) for the AP1000 is the 1E Vital DC system, and there are no pumps powered from this source.

## **5.0 PRESERVICE TESTING OF VALVES**

### **5.1 GENERAL**

Valves will be tested to meet the PST requirements of the OM Code as outlined in the Valve Tables.

The OM Code identifies exercise testing for valves, where the Code requires additional testing be performed during the valve exercising (e.g. stroke time testing), the exercise test is not separately identified in the Valve Table.

Testing will generally only be performed once during the Preservice Test Period, except when Repair, Replacement, or Maintenance require retesting pursuant to ASME OM ISTC-3100(a)/ISTC-3310/I-7400/III-3400.

### **5.2 ADDITIONAL TESTING REQUIREMENTS**

10CFR50.55a provides conditions to the OM Code with regard to testing of certain valves. These conditions are met in this PST Plan as outlined below:

- 5.2.1 To meet the 10CFR50.55a(b)(3)(ii)(D) Condition on *MOV stroke time*. A stroke time test to the safety position(s) is specified for MOVs in the program.
- 5.2.2 To meet the 10CFR50.55a(b)(3)(iii)(B) *Check valves* requiring Licensees must perform bi-directional testing of check valves, is specified in accordance with ISTC-5221 within this PST plan, where practicable.

### **5.3 SCHEDULE**

PST will be performed following system turnover from Construction and will be completed prior to initial electrical generation by nuclear heat.

## 6.0 VALVE NOTES

1. Valves MSS-V001, V002, V003, V004, V005, V006, SGS-V040A/B, and SGS-V056A/B have two separate solenoid valves from separate safety trains. Stroke time testing is required using each solenoid valve.

## 7.0 VEGP-3 VALVE TABLES

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: CAS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-CAS-PL-V014	2	N	A	A	2"	BA	AO	SV3-CAS-M6-005 (F-3)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
<u>Instrument Air Containment Isolation Valve</u>														
SV3-CAS-PL-V015	2	N	AC	A	2"	CK	SA	SV3-CAS-M6-005 (F-4)	O	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Instrument Air Containment Isolation Check Valve</u>														
SV3-CAS-PL-V204	2	N	A	P	3"	BA	MA	SV3-CAS-M6-012 (E-5)	LC	C	C	LT-App. J		
<u>Service Air Containment Isolation Valve</u>														
SV3-CAS-PL-V205	2	N	AC	A	3"	CK	SA	SV3-CAS-M6-012 (E-4)	C	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Service Air Containment Isolation Check Valve</u>														

## Vogle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: CCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-CCS-PL-V200	2	N	A	A	10"	BU	MO	SV3-CCS-M6-002 (H-2)	O	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		
<u>Cooling Water Supply Ctmt Isol- ORC</u>														
SV3-CCS-PL-V201	2	N	AC	A	10"	CK	SA	SV3-CCS-M6-002 (H-2)	O	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Cooling Water Ctmt Supply Check</u>														
SV3-CCS-PL-V207	2	N	A	A	10"	BU	MO	SV3-CCS-M6-002 (B-2)	O	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		
<u>Cooling Water Return Ctmt Isol – IRC</u>														
SV3-CCS-PL-V208	2	N	A	A	10"	BU	MO	SV3-CCS-M6-002 (B-1)	O	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		
<u>Cooling Water Return Ctmt Isol - ORC</u>														
SV3-CCS-PL-V220	2	N	AC	A	1"	RV	SA	SV3-CCS-M6-002 (C-2)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>Ctmt Return CIV Thermal Relief</u>														
SV3-CCS-PL-V270	3	N	C	A	4"	RV	SA	SV3-CCS-M6-002 (H-2)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>CCS Supply Line to Ctmt Safety/Relief</u>														
SV3-CCS-PL-V271	3	N	C	A	4"	RV	SA	SV3-CCS-M6-002 (C-2)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>CCS Return Line to Ctmt Safety/Relief</u>														



## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: CVS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-CVS-PL-V001	1	N	B	A	3"	GA	MO (G-8)	SV3-CVS-M6-001	O	C	AI	PI (III-3300) STC III-3100 III-3300		
CVS Purification Stop Valve														
SV3-CVS-PL-V002	1	N	B	A	3"	GA	MO (G-7)	SV3-CVS-M6-001	O	C	AI	PI (III-3300) STC III-3100 III-3300		
CVS Purification Stop Valve														
SV3-CVS-PL-V003	3	N	B	A	3"	GL	MO (G-7)	SV3-CVS-M6-001	O	C	AI	PI (III-3300) STC III-3100 III-3300		
CVS Purification Stop Valve														
SV3-CVS-PL-V040	2	N	A	P	2"	BA	MA	SV3-CVS-M6-005 (F-4)	LC	C	AI	LT-App. J		
Resin Flush Inside Containment Isolation Valve														
SV3-CVS-PL-V041	2	N	A	P	2"	BA	MA	SV3-CVS-M6-005 (F-2)	LC	C	AI	LT-App. J		
Resin Flush Outside Containment Isolation Valve														
SV3-CVS-PL-V042	2	N	AC	A	1"	RV	SA (G-4)	SV3-CVS-M6-005	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
Flush Line Containment Isolation Relief Valve														
SV3-CVS-PL-V045	2	N	A	A	2"	GL	AO (D-4)	SV3-CVS-M6-005	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Letdown Line Inside Containment Isolation Valve														
SV3-CVS-PL-V047	2	N	A	A	2"	GL	AO (D-2)	SV3-CVS-M6-005	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Letdown Line Outside Containment Isolation Valve														

## System: CVS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV3-CVS-PL-V058	2	N	AC	A	1"	RV	SA	SV3-CVS-M6-005 (E-4)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>Letdown Line Relief Thermal Relief Valve</u>														
SV3-CVS-PL-V064	N	N	C	A	3"	CK	SA	SV3-CVS-M6-005 (C-5)	C	O	NA	CKC		
<u>Make-up Discharge Header Check Valve</u>												CKOP		Accommodate thermal expansion
SV3-CVS-PL-V067	1	N	C	A	1"	CK	SA	SV3-CVS-M6-001 (F-7)	O	C/O	NA	CKC		
<u>Makeup Return Line Spring-Assisted Check Valve</u>												CKOP		Accommodate thermal expansion
SV3-CVS-PL-V080	3	N	C	A	3"	CK	SA	SV3-CVS-M6-001 (G-7)	O	C/O	NA	CKC		
<u>Regen HX Shell Side Outlet Check Valve</u>												CKOP		Accommodate thermal expansion
SV3-CVS-PL-V081	1	N	BC	A	3"	SC	AO	SV3-CVS-M6-001 (G-7)	O	C	NA	PI (ISTC-3700) CKC CKOP		
<u>Purification Return Line Stop Check Valve</u>														
SV3-CVS-PL-V082	1	N	C	A	3"	CK	SA	SV3-CVS-M6-001 (G-8)	O	C/O	NA	CKC		
<u>RCS Purification Return Line Check Valve</u>												CKOP		Accommodate thermal expansion
SV3-CVS-PL-V084	1	N	B	A	2"	GL	AO	SV3-CVS-M6-001 (F-7)	C	C	C	PI (ISTC-3700) STC FST		
<u>Auxiliary Pressurizer Spray Line Isolation Valve</u>														
SV3-CVS-PL-V085	1	N	C	A	2"	CK	SA	SV3-CVS-M6-001 (F-8)	C	C/O	NA	CKC		
<u>Auxiliary Pressurizer Spray Line Valve</u>												CKOP		Accommodate thermal expansion
SV3-CVS-PL-V090	2	N	A	A	3"	GA	MO	SV3-CVS-M6-005 (C-2)	O	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		
<u>Makeup Line Outside Containment Isolation Valve</u>														
SV3-CVS-PL-V091	2	N	A	A	3"	GA	MO	SV3-CVS-M6-005 (C-4)	O	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		
<u>Makeup Line Inside Containment Isolation Valve</u>														
SV3-CVS-PL-V092	2	N	A	A	1"	GL	AO	SV3-CVS-M6-003 (F-6)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
<u>Zinc Injection Containment Isolation Valve ORC</u>														

## System: CVS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-CVS-PL-V094	2	N	A	A	1"	GL	AO	SV3-CVS-M6-003 (F-7)	O	C	C	PI (ISTC-3700) STC FST LT-App.		
<u>Zinc Injection Containment Isolation Valve IRC</u>														
SV3-CVS-PL-V098	2	N	AC	A	1"	RV	SA	SV3-CVS-M6-003 (F-6)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>Zinc Injection Ctmt Isol Thermal Relief Valve</u>														
SV3-CVS-PL-V100	2	N	AC	A	1"	CK	SA	SV3-CVS-M6-005 (B-4)	O	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Makeup Line Containment Isolation Relief</u>														
SV3-CVS-PL-V136A	3	N	B	A	2"	BU	AO	SV3-CVS-M6-004 (C-4)	C	C	C	PI (ISTC-3700) STC FST		
<u>Demineralized Water System Isolation Valve</u>														
SV3-CVS-PL-V136B	3	N	B	A	2"	BU	AO	SV3-CVS-M6-004 (C-4)	C	C	C	PI (ISTC-3700) STC FST		
<u>Demineralized Water System Isolation Valve</u>														
SV3-CVS-PL-V217	2	N	AC	A	½"	CK	SA	SV3-CVS-M6-003 (D-7)	O	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Hydrogen Injection Containment Isolation Check Valve IRC</u>														
SV3-CVS-PL-V219	2	N	A	A	½"	GL	AO	SV3-CVS-M6-003 (D-6)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
<u>Hydrogen Injection Containment Isolation Valve ORC</u>														

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: DWS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-DWS-PL-V241	3	N	C	A	1"	RV	SA	SV3-DWS-M6-007 (E-5)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>Demin Water Supply to Containment Relief</u>														
SV3-DWS-PL-V244	2	N	A	P	3"	BU	MA	SV3-DWS-M6-007 (E-6)	LC	C	AI	LT-App. J		Exercised during Shutdown and leaktest
<u>Demin Water Supply Containment Isolation - Outside</u>														
SV3-DWS-PL-V245	2	N	AC	A	2"	CK	SA	SV3-DWS-M6-007 (E-6)	C	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Demin Water Supply Containment Isolation Check Valve - IRC</u>														

# Vogtle Electric Generating Plant – Units 3&4 Valve Table

Unit 3

System: FHS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV3-FHS-PL-V001	3	N	B	A	30"	GA	MA	SV3-SFS-M6-001	C	C	AI	ETM		
Fuel Transfer Tube Isolation Valve						(F-6)								

## Vogle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: FPS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-FPS-PL-V050	2	N	A	P	6"	BU	MA	SV3-FPS-M6-004 (F-5)	LC	C	AI	LT-App. J		Exercised during Shutdown and leaktest
Fire Water Containment Supply Isolation														
SV3-FPS-PL-V052	2	N	AC	A	6"	CK	SA	SV3-FPS-M6-004 (F-5)	C	C/O	NA	CKC CKOP		Accommodate thermal expansion
Fire Water Supply Cont Isol Check Valve - IRC												LT-App. J		
SV3-FPS-PL-V702	3	N	C	A	1"	RV	SA	SV3-FPS-M6-004 (F/G-5)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c))		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
Fire Water Supply IC Thermal Relief												VE(I-7150(a))		

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: MSS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-MSS-PL-V001	N	Y	B	A	16"	GL	AO	SV3-MSS-M6-001 (H-8)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>														
SV3-MSS-PL-V002	N	Y	B	A	16"	GL	AO	SV3-MSS-M6-001 (H-7)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>														
SV3-MSS-PL-V003	N	Y	B	A	16"	GL	AO	SV3-MSS-M6-001 (H-6)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>														
SV3-MSS-PL-V004	N	Y	B	A	16"	GL	AO	SV3-MSS-M6-001 (H-4)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>														
SV3-MSS-PL-V005	N	Y	B	A	16"	GL	AO	SV3-MSS-M6-001 (H-3)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>														
SV3-MSS-PL-V006	N	Y	B	A	16"	GL	AO	SV3-MSS-M6-001 (H-2)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>														
SV3-MSS-PL-V015A	N	Y	B	A	10"	GL	AO	SV3-MSS-M6-001 (B-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>MSR 2<sup>ND</sup> Stage Reheat Steam AO Isolation Valve</u>														
SV3-MSS-PL-V015B	N	Y	B	A	10"	GL	AO	SV3-MSS-M6-001 (G-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>MSR 2<sup>ND</sup> Stage Reheat Steam AO Isolation Valve</u>														

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: MTS

Valve ID							Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size		Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV3-MTS-PL-V001A	N	Y	B	A	28"		GL	EH	SV3-MTS-M6-002 (F-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Stop Valve</u>															
SV3-MTS-PL-V001B	N	Y	B	A	28"		GL	EH	SV3-MTS-M6-002 (C-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Stop Valve</u>															
SV3-MTS-PL-V002A	N	Y	B	A	28"		GL	EH	SV3-MTS-M6-002 (F-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Control Valve</u>															
SV3-MTS-PL-V002B	N	Y	B	A	28"		GL	EH	SV3-MTS-M6-002 (C-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Control Valve</u>															
SV3-MTS-PL-V003A	N	Y	B	A	28"		GL	EH	SV3-MTS-M6-002 (E-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Stop Valve</u>															
SV3-MTS-PL-V003B	N	Y	B	A	28"		GL	EH	SV3-MTS-M6-002 (D-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Stop Valve</u>															
SV3-MTS-PL-V004A	N	Y	B	A	28"		GL	EH	SV3-MTS-M6-002 (E-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Control Valve</u>															
SV3-MTS-PL-V004B	N	Y	B	A	28"		GL	EH	SV3-MTS-M6-002 (D-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Control Valve</u>															



## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

#### System: PCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-PCS-PL-V001A	3	N	B	A	6"	BU	AO	SV3-PCS-M6-001 (E-4)	C	O	O	PI (ISTC-3700) STO FST		
<u>PCS Actuation Valve A</u>														
SV3-PCS-PL-V001B	3	N	B	A	6"	BU	AO	SV3-PCS-M6-001 (E-6)	C	O	O	PI (ISTC-3700) STO FST		
<u>PCS Actuation Valve B</u>														
SV3-PCS-PL-V001C	3	N	B	A	6"	GA	MO	SV3-PCS-M6-001 (E-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		This valve has a passive closed function for Spent fuel make-up.
<u>PCS Actuation Valve C</u>														
SV3-PCS-PL-V002A	3	N	B	A	6"	GA	MO	SV3-PCS-M6-001 (E-4)	O	O	AI	PI III-3300) STO III-3100 III-3300		This valve has a passive closed function for Spent fuel make-up.
<u>PCS Isolation Valve A</u>														
SV3-PCS-PL-V002B	3	N	B	A	6"	GA	MO	SV3-PCS-M6-001 (E-6)	O	O	AI	PI III-3300) STO III-3100 III-3300		This valve has a passive closed function for Spent fuel make-up.
<u>PCS Isolation Valve B</u>														
SV3-PCS-PL-V002C	3	N	B	A	6"	GA	MO	SV3-PCS-M6-001 (E-5)	O	O	AI	PI (III-3300) STO III-3100 III-3300		This valve has a passive closed function for Spent fuel make-up.
<u>PCS Isolation Valve C</u>														
SV3-PCS-PL-V005	3	N	B	A	4"	GA	MA	SV3-PCS-M6-002 (G-5)	O	C	AI	ETM		
<u>PCS to DWS/FPS Iso Valve</u>														
SV3-PCS-PL-V009	3	N	B	A	3"	GA	MA	SV3-PCS-M6-001 (E-4)	C	C/O	AI	ETM		Open for Emergency SFP make-up
<u>Spent Fuel Pool Emergency Makeup Valve</u>														
SV3-PCS-PL-V015	3	N	B	A	1"	GL	MA	SV3-PCS-M6-002 (G-8)	O	C	AI	ETM		
<u>PCS Long Term supply to Distribution Bucket Drain Valve</u>														
SV3-PCS-PL-V020	3	N	B	A	3"	GA	MA	SV3-PCS-M6-002 (G-7)	C	O	AI	ETM		
<u>PCS Long Term supply to Distribution Bucket Iso Valve</u>														

## System: PCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-PCS-PL-V023	3	N	B	A	4"	GA	MA	SV3-PCS-M6-002	O	C	AI	ETM		
PCS Recirc Pumps to PCCWST Iso Valve									(F-7)					
SV3-PCS-PL-V039	3	N	C	A	4"	CK	SA	SV3-PCS-M6-002	C	O/C	NA	CKO		
PCS/SFS Long Term Make-up Supply Check Valve									(F-3)			CKC		
SV3-PCS-PL-V042	3	N	B	A	1"	GL	MA	SV3-PCS-M6-002	C	C	AI	ETM		
PCS Long Term Supply from Temp Pump Drain Valve									(F-3)					
SV3-PCS-PL-V044	3	N	B	A	4"	GA	MA	SV3-PCS-M6-002	*	O	AI	ETM		* Locked one turn from full open
PCS Long Term Supply from Temp Pump Iso Valve									(F-4)					
SV3-PCS-PL-V045	3	N	B	A	2"	GL	MA	SV3-PCS-M6-001	C	O	AI	ETM		
PCS Supply to SFS Make-up Iso Valve									(B-3)					
SV3-PCS-PL-V046	3	N	B	A	4"	GA	MA	SV3-PCS-M6-002	LO	C	AI	ETM		
PCCWST Recirculation Return Isolation Valve									(H-7)					
SV3-PCS-PL-V049	3	N	B	A	1"	GL	MA	SV3-PCS-M6-001	O	C	AI	ETM		
PCCWST Drain Isolation Valve									(B-2)					
SV3-PCS-PL-V050	3	N	B	A	2"	GL	MA	SV3-PCS-M6-002	C	C/O	AI	ETM		
Recirc Header Discharge to SFS Pool Isolation Valve									(F-7)					
SV3-PCS-PL-V051	3	N	B	A	2"	GL	MA	SV3-PCS-M6-001	C	C/O	AI	ETM		
Spent Fuel Pool Emergency Makeup Lower Isolation Valve									(B-2)					

# Vogtle Electric Generating Plant – Units 3&4

## Valve Table

Unit 3

System: PSS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-PSS-PL-V001A Hot Leg 1 Sample Isolation Valve	2	N	C	A	1/4"	GL	SO	SV3-PSS-M6-001 E-8	O	O	C	RVT		Thermal Relief function
SV3-PSS-PL-V001B Hot Leg 2 Sample Isolation Valve	2	N	C	A	1/4"	GL	SO	SV3-PSS-M6-001 D-8	C	O	C	RVT		Thermal Relief function
SV3-PSS-PL-V003 Pressurizer Sample Isolation Valve	2	N	C	A	1/4"	GL	SO	SV3-PSS-M6-001 G-8	C	O	C	RVT		Thermal Relief function
SV3-PSS-PL-V008 Containment Air Sample Containment Isolation Valve IRC	2	N	A	A	5/8"	GL	SO	SV3-PSS-M6-001 (D-7)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
SV3-PSS-PL-V010A Liquid Sample Line Containment Isolation Valve IRC	2	N	A	AC	1/4"	GL	SO	SV3-PSS-M6-001 (D-7)	O	C/O	C	PI (ISTC-3700) STC FST RVT LT-App. J		Thermal Relief function
SV3-PSS-PL-V010B Liquid Sample Line Containment Isolation Valve IRC	2	N	A	AC	1/4"	GL	SO	SV3-PSS-M6-001 (G-7)	C	C/O	C	PI (ISTC-3700) STC FST RVT LT-App. J		Thermal Relief function
SV3-PSS-PL-V011A Liquid Sample Line Containment Isolation Valve ORC	2	N	A	A	1/4"	GL	AO	SV3-PSS-M6-001 (E-6)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
SV3-PSS-PL-V011B Liquid Sample Line Containment Isolation Valve ORC	2	N	A	A	1/4"	GL	AO	SV3-PSS-M6-001 (G-6)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		

## System: PSS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-PSS-PL-V023	2	N	A	A	1"	GL	AO	SV3-PSS-M6-001 (C-6)	O	C	C	PI (ISTC-3700) STC FST		
<u>Sample Return Line Containment Isolation Valve ORC</u>												LT-App. J		
SV3-PSS-PL-V024	2	N	A	A	1"	GL	SO	SV3-PSS-M6-001 (C-7)	O	C	C	PI (ISTC-3700) STC FST		
<u>Sample Return Line Containment Isolation Valve IRC</u>												LT-App. J		
SV3-PSS-PL-V046	2	N	A	A	5/8"	GL	AO	SV3-PSS-M6-001 (D-6)	O	C	C	PI (ISTC-3700) STC FST		
<u>Air Sample Line Containment Isolation Valve ORC</u>												LT-App. J		

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: PWS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-PWS-PL-V418	3	N	B	A	1"	GL	MA	SV3-PWS-M6-002	O	C	AI	ETM		
Control Room Boundary Outside Isolation Valve									(G-4)					
SV3-PWS-PL-V420	3	N	B	A	1"	GL	MA	SV3-PWS-M6-002	O	C	AI	ETM		
Control Room Boundary Inside Isolation Valve									(F-4)					
SV3-PWS-PL-V498	3	N	C	A	1"	VB	SA	SV3-PWS-M6-002	C	O	NA	VE(I-7170)		
Control Room Boundary Vacuum Breaker												RVT(I-7270(a))		Actuation to verify open/close
												RVT(I-7270(b))		Leak tightness

# Vogtle Electric Generating Plant – Units 3&4

## Valve Table

Unit 3

System: PXS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-PXS-PL-V002A	1	N	B	P	8"	GA	MO	SV3-PXS-M6-001	O	O	AI	PI (ISTC-3700)		
RCS to CMT A Isolation Valve								(G/H-5)						
SV3-PXS-PL-V002B	1	N	B	P	8"	GA	MO	SV3-PXS-M6-001	O	O	AI	PI (ISTC-3700)		
RCS to CMT B Isolation Valve								(G/H-4)						
SV3-PXS-PL-V013A	1	N	B	P	8"	GA	MA	SV3-PXS-M6-001	LO	O	AI	PI (ISTC-3700)		
CMT A Discharge Manual Isol Valve								(D-6)						
SV3-PXS-PL-V013B	1	N	B	P	8"	GA	MA	SV3-PXS-M6-001	LO	O	AI	PI (ISTC-3700)		
CMT B Discharge Manual Isol Valve								(D-3)						
SV3-PXS-PL-V014A	1	N	B	A	8"	GL	AO	SV3-PXS-M6-001	C	O	O	PI (ISTC-3700)		
CMT A Outlet Valve								(E-7)				STO		
SV3-PXS-PL-V014B	1	N	B	A	8"	GL	AO	SV3-PXS-M6-001	C	O	O	PI (ISTC-3700)		
CMT B Outlet Valve								(E-3)				STO		
SV3-PXS-PL-V015A	1	N	B	A	8"	GL	AO	SV3-PXS-M6-001	C	O	O	PI (ISTC-3700)		
CMT A Outlet Valve								(D-7)				STO		
SV3-PXS-PL-V015B	1	N	B	A	8"	GL	AO	SV3-PXS-M6-001	C	O	O	PI (ISTC-3700)		
CMT B Outlet Valve								(D-3)				STO		
SV3-PXS-PL-V016A	1	N	C	A	8"	CK	SA	SV3-PXS-M6-001	O	O/C	NA	CKO		
CMT A outlet to RCS Check								(D-6)				CKC		
SV3-PXS-PL-V016B	1	N	C	A	8"	CK	SA	SV3-PXS-M6-001	O	O/C	NA	CKO		
CMT B outlet to RCS Check								(D-3)				CKC		
SV3-PXS-PL-V017A	1	N	C	A	8"	CK	SA	SV3-PXS-M6-001	O	O/C	NA	CKO		
CMT A outlet to RCS Check								(D-6)				CKC		
SV3-PXS-PL-V017B	1	N	C	A	8"	CK	SA	SV3-PXS-M6-001	O	O/C	NA	CKO		
CMT B outlet to RCS Check								(D-3)				CKC		
SV3-PXS-PL-V021A	3	N	B	P	1"	GL	SO	SV3-PXS-M6-001	C	C	C	PI (ISTC-3700)		
Accumulator A Nitrogen supply Valve								(C-7)						

## System: PXS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-PXS-PL-V021B	3	N	B	P	1"	GL	SO	SV3-PXS-M6-001 (C-2)	C	C	C	PI (ISTC-3700)		
<u>Accumulator B Nitrogen supply Valve</u>														
SV3-PXS-PL-V022A	3	N	C	A	1"	RV	SA	SV3-PXS-M6-001 (C-7)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c))		Verify Vendor setpoint Leak tightness (from Vendor test)
<u>Accumulator A Relief Valve</u>														
SV3-PXS-PL-V022B	3	N	C	A	1"	RV	SA	SV3-PXS-M6-001 (C-2)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c))		Verify Vendor setpoint Leak tightness (from Vendor test)
<u>Accumulator B Relief Valve</u>														
SV3-PXS-PL-V027A	3	N	B	P	8"	GA	MO	SV3-PXS-M6-001 (B-6)	O	O	AI	PI (ISTC-3700)		
<u>Accumulator A to RCS Isolation Valve</u>														
SV3-PXS-PL-V027B	3	N	B	P	8"	GA	MO	SV3-PXS-M6-001 (B-3)	O	O	AI	PI (ISTC-3700)		
<u>Accumulator B to RCS Isolation Valve</u>														
SV3-PXS-PL-V028A	1	N	AC	A	8"	CK	SA	SV3-PXS-M6-001 (B-6)	C	O/C	NA	CKO CKC LT		
<u>Accumulator A outlet to RCS Check</u>														
SV3-PXS-PL-V028B	1	N	AC	A	8"	CK	SA	SV3-PXS-M6-001 (B-3)	C	O/C	NA	CKO CKC LT		
<u>Accumulator B outlet to RCS Check</u>														
SV3-PXS-PL-V029A	1	N	AC	A	8"	CK	SA	SV3-PXS-M6-001 (B-6)	C	O/C	NA	CKO CKC LT		
<u>Accumulator A outlet to RCS Check</u>														
SV3-PXS-PL-V029B	1	N	AC	A	8"	CK	SA	SV3-PXS-M6-001 (B-4)	C	O/C	NA	CKO CKC LT		
<u>Accumulator B outlet to RCS Check</u>														
SV3-PXS-PL-V042	2	N	A	A	1"	GL	AO	SV3-PXS-M6-001 (D-1)	O	C	C	PI (ISTC-3700) STC FST LT- App. J		
<u>High Pressure Nitrogen to Containment Isolation Valve</u>														
SV3-PXS-PL-V043	2	N	AC	A	1"	CK	SA	SV3-PXS-M6-001 (D-2)	C	O/C	NA	CKOP CKC LT- App. J		Accommodate thermal expansion
<u>High Pressure Nitrogen to Containment IC Check Valve</u>														
SV3-PXS-PL-V044	N	N	C	A	1"	RV	SA	SV3-PXS-M6-001 (D-2)	C	O	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c))		Verify Vendor setpoint Leak tightness (from Vendor test)
<u>High Pressure Nitrogen to Containment Penetration Thermal Relief Valve</u>														
SV3-PXS-PL-V101	1	N	B	P	14"	GA	MO	SV3-PXS-M6-002 (G -1)	O	O	AI	PI (ISTC-3700)		
<u>RCS to PRHR Heat Exchanger Isolation Valve</u>														

## System: PXS

Valve ID	Valve						Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV3-PXS-PL-V108A	1	N	B	A	14"	BA	AO	SV3-PXS-M6-002 (F-1)	C	O	O	PI (ISTC-3700) STO FST		
PRHR Heat Exchanger Outlet Valve to RCS A														
SV3-PXS-PL-V108B	1	N	B	A	14"	BA	AO	SV3-PXS-M6-002 (E-1)	C	O	O	PI (ISTC-3700) STO FST		
PRHR Heat Exchanger Outlet Valve to RCS B														
SV3-PXS-PL-V109	1	N	B	P	14"	GA	MA	SV3-PXS-M6-002 (F-1)	LO	O	AI	PI (ISTC-3700)		
PRHR HX/RCS Return Isol Valve														
SV3-PXS-PL-V117A	3	N	B	P	8"	GA	MO	SV3-PXS-M6-002 (E-7)	O	O	AI	PI (ISTC-3700)		
Containment Recirculation Sump A to RCS Isolation Valve														
SV3-PXS-PL-V117B	3	N	B	P	8"	GA	MO	SV3-PXS-M6-002 (E-5)	O	O	AI	PI (ISTC-3700)		
Containment Recirculation Sump B to RCS Isolation Valve														
SV3-PXS-PL-V118A	3	N	D	A	8"	SQ	SQ	SV3-PXS-M6-002 (E-7)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
Containment Recirc. Sump A to RCS Actuation Squib Valve														
SV3-PXS-PL-V118B	3	N	D	A	8"	SQ	SQ	SV3-PXS-M6-002 (E-5)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
Containment Recirc. Sump B to RCS Actuation Squib Valve														
SV3-PXS-PL-V119A	3	N	C	A	8"	CK	SA	SV3-PXS-M6-002 (D-7)	C	O/C	NA	PI (ISTC-3700) CKO CKC		
Containment Recirc. Sump A outlet to RCS Check														
SV3-PXS-PL-V119B	3	N	C	A	8"	CK	SA	SV3-PXS-M6-002 (D-5)	C	O/C	NA	PI (ISTC-3700) CKO CKC		
Containment Recirc. Sump B outlet to RCS Check														
SV3-PXS-PL-V120A	3	N	D	A	8"	SQ	SQ	SV3-PXS-M6-002 (D-7)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
Containment Recirc. Sump A to RCS Actuation Squib Valve														
SV3-PXS-PL-V120B	3	N	D	A	8"	SQ	SQ	SV3-PXS-M6-002 (D-5)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
Containment Recirc. Sump B to RCS Actuation Squib Valve														
SV3-PXS-PL-V121A	3	N	B	P	8"	GA	MO	SV3-PXS-M6-002 (D-7)	O	O	AI	PI (ISTC-3700)		
IRWST/Recirc Sump to RCS A Isolation Valve														
SV3-PXS-PL-V121B	3	N	B	P	8"	GA	MO	SV3-PXS-M6-002 (D-5)	O	O	AI	PI (ISTC-3700)		
IRWST/Recirc Sump to RCS B Isolation Valve														
SV3-PXS-PL-V122A	1	N	C	A	8"	CK	SA	SV3-PXS-M6-002 (C-7)	C	O/C	NA	PI (ISTC-3700) CKO CKC		
IRWST/Recirc Sump to RCS A outlet to RCS Check														
SV3-PXS-PL-V122B	1	N	C	A	8"	CK	SA	SV3-PXS-M6-002 (C-5)	C	O/C	NA	PI (ISTC-3700) CKO CKC		
IRWST/Recirc Sump to RCS B outlet to RCS Check														



## System: PXS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-PXS-PL-V123A	1	N	D	A	8"	SQ	SQ	SV3-PXS-M6-002	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump A to RCS Actuation Squib Valve								(C-7)				Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV3-PXS-PL-V123B	1	N	D	A	8"	SQ	SQ	SV3-PXS-M6-002	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump B to RCS Actuation Squib Valve								(D-5)				Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV3-PXS-PL-V124A	1	N	C	A	8"	CK	SA	SV3-PXS-M6-002	C	O/C	NA	PI (ISTC-3700)		
								(C-7)				CKO		
IRWST/Recirc Sump to RCS A outlet to RCS Check												CKC		
SV3-PXS-PL-V124B	1	N	C	A	8"	CK	SA	SV3-PXS-M6-002	C	O/C	NA	PI (ISTC-3700)		
								(C-5)				CKO		
IRWST/Recirc Sump to RCS B outlet to RCS Check												CKC		
SV3-PXS-PL-V125A	1	N	D	A	8"	SQ	SQ	SV3-PXS-M6-002	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump A to RCS Actuation Squib Valve								(C-7)				Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV3-PXS-PL-V125B	1	N	D	A	8"	SQ	SQ	SV3-PXS-M6-002	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump B to RCS Actuation Squib Valve								(D-5)				Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV3-PXS-PL-V130A	3	N	B	A	2"	BA	AO	SV3-PXS-M6-002	O	C	C	PI (ISTC-3700)		
								(H-7)				STC		
Containment Condensation Collection to Containment Sump Isolation Valve A												FST		
SV3-PXS-PL-V130B	3	N	B	A	2"	BA	AO	SV3-PXS-M6-002	O	C	C	PI (ISTC-3700)		
								(H-7)				STC		
Containment Condensation Collection to Containment Sump Isolation Valve B												FST		
SV3-PXS-PL-V208A	2	N	A	P	.375"	GL	MA	SV3-PXS-M6-003	LC	C	C	LT-App. J		
RNS Suction Leak Test Valve								(D-3)						
SV3-PXS-PL-V230A	2	N	B	P	1"	GL	AO	SV3-PXS-M6-003	C	C	C	PI (ISTC-3700)		
Core Makeup Tank A Fill Isolation								(F-6)						
SV3-PXS-PL-V230B	2	N	B	P	1"	GL	AO	SV3-PXS-M6-003	C	C	C	PI (ISTC-3700)		
Core Makeup Tank B Fill Isolation								(G-6)						
SV3-PXS-PL-V231A	2	N	C	A	1"	CK	SA	SV3-PXS-M6-003	C	C	C	CKOP		Accommodate thermal expansion
Core Makeup Tank A Fill Check								(F-7)				CKC		
SV3-PXS-PL-V231B	2	N	C	A	1"	CK	SA	SV3-PXS-M6-003	C	C	C	CKOP		Accommodate thermal expansion
Core Makeup Tank B Fill Check								(G-7)				CKC		
SV3-PXS-PL-V232A	3	N	B	P	1"	GL	AO	SV3-PXS-M6-003	C	C	C	PI (ISTC-3700)		
Accumulator B Fill/Drain Isolation								(E-6)						
SV3-PXS-PL-V232B	3	N	B	P	1"	GL	AO	SV3-PXS-M6-003	C	C	C	PI (ISTC-3700)		
Accumulator B Fill/Drain Isolation								(G-6)						

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: RCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-RCS-PL-V001A	1	N	B	A	4"	GL	MO	SV3-RCS-M6-002 (G-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 1 Control Valve														
SV3-RCS-PL-V001B	1	N	B	A	4"	GL	MO	SV3-RCS-M6-002 (E-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 1 Control Valve														
SV3-RCS-PL-V002A	1	N	B	A	8"	GL	MO	SV3-RCS-M6-002 (G-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 2 Control Valve														
SV3-RCS-PL-V002B	1	N	B	A	8"	GL	MO	SV3-RCS-M6-002 (E-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 2 Control Valve														
SV3-RCS-PL-V003A	1	N	B	A	8"	GL	MO	SV3-RCS-M6-002 (H-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 3 Control Valve														
SV3-RCS-PL-V003B	1	N	B	A	8"	GL	MO	SV3-RCS-M6-002 (F-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 3 Control Valve														
SV3-RCS-PL-V004A	1	N	D	A	14"	SQ	SQ	SV3-RCS-M6-001 (G-6)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
ADS Stage 4 Valve														
SV3-RCS-PL-V004B	1	N	D	A	14"	SQ	SQ	SV3-RCS-M6-001 (F-3)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
ADS Stage 4 Valve														

## System: RCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-RCS-PL-V004C ADS Stage 4 Valve	1	N	D	A	14"	SQ	SQ	SV3-RCS-M6-001 (F-6)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV3-RCS-PL-V004D ADS Stage 4 Valve	1	N	D	A	14"	SQ	SQ	SV3-RCS-M6-001 (F-3)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV3-RCS-PL-V005A	1	N	C	A	6"	RV	SA	SV3-RCS-M6-002 (H-7)	C	O/C	NA	PI (I-7110(c)/7310(f)) RVT(I-7110(b)) RVT(I-7110(d)) VE(I-7110(a)) RVT(I-7210)		From Vendor test Verify Vendor setpoint Leak tightness per Vendor test  Setpoint verification (due 6m prior to Initial Criticality) Alternative VEGP 3&4-PST-Alt-02
<u>Pressurizer Safety Valve</u>														
SV3-RCS-PL-V005B	1	N	C	A	6"	RV	SA	SV3-RCS-M6-002 (F-6)	C	O/C	NA	PI (I-7110(c)/7310(f)) RVT(I-7110(b)) RVT(I-7110(d)) VE(I-7110(a)) RVT(I-7210)		From Vendor test Verify Vendor setpoint Leak tightness per Vendor test  Setpoint verification (due 6m prior to Initial Criticality) Alternative VEGP 3&4-PST-Alt-02
<u>Pressurizer Safety Valve</u>														
SV3-RCS-PL-V010A ADS Header Vacuum Breaker	3	N	C	A	1"	VB	SA	SV3-RCS-M6-002 (G-4)	C	O	NA	VE(I-7170) RVT(I-7270(a)) RVT(I-7270(b))		Actuation to verify open/close Leak tightness
SV3-RCS-PL-V010B ADS Header Vacuum Breaker	3	N	C	A	1"	VB	SA	SV3-RCS-M6-002 (E-4)	C	O	NA	VE(I-7170) RVT(I-7270(a)) RVT(I-7270(b))		Actuation to verify open/close Leak tightness
SV3-RCS-PL-V011A ADS Stage 1 Isolation Valve	1	N	B	A	4"	GA	MO	SV3-RCS-M6-002 (G-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
SV3-RCS-PL-V011B ADS Stage 1 Isolation Valve	1	N	B	A	4"	GA	MO	SV3-RCS-M6-002 (E-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
SV3-RCS-PL-V012A ADS Stage 2 Isolation Valve	1	N	B	A	8"	GA	MO	SV3-RCS-M6-002 (G-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive

## System: RCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-RCS-PL-V012B	1	N	B	A	8"	GA	MO	SV3-RCS-M6-002 (E-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
<u>ADS Stage 2 Isolation Valve</u>														
SV3-RCS-PL-V013A	1	N	B	A	8"	GA	MO	SV3-RCS-M6-002 (H-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
<u>ADS Stage 3 Isolation Valve</u>														
SV3-RCS-PL-V013B	1	N	B	A	8"	GA	MO	SV3-RCS-M6-002 (F-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
<u>ADS Stage 3 Isolation Valve</u>														
SV3-RCS-PL-V014A	1	N	B	P	14"	GA	MO	SV3-RCS-M6-001 (G-6)	O	O	AI	PI (ISTC-3700)		
<u>ADS Stage 4 Block Valve</u>														
SV3-RCS-PL-V014B	1	N	B	P	14"	GA	MO	SV3-RCS-M6-001 (F-3)	O	O	AI	PI (ISTC-3700)		
<u>ADS Stage 4 Block Valve</u>														
SV3-RCS-PL-V014C	1	N	B	P	14"	GA	MO	SV3-RCS-M6-001 (F-6)	O	O	AI	PI (ISTC-3700)		
<u>ADS Stage 4 Block Valve</u>														
SV3-RCS-PL-V014D	1	N	B	P	14"	GA	MO	SV3-RCS-M6-001 (F-3)	O	O	AI	PI (ISTC-3700)		
<u>ADS Stage 4 Block Valve</u>														
SV3-RCS-PL-V150A	1	N	B	A	1"	GL	SO	SV3-RCS-M6-001 (D-4)	C	O/C	C	PI (ISTC-3700) STO STC FST RVT		Thermal Relief function
<u>Reactor Head Vent Valve</u>														
SV3-RCS-PL-V150B	1	N	B	A	1"	GL	SO	SV3-RCS-M6-001 (D-4)	C	O/C	C	PI (ISTC-3700) STO STC FST RVT		Thermal Relief function
<u>Reactor Head Vent Valve</u>														
SV3-RCS-PL-V150C	1	N	B	A	1"	GL	SO	SV3-RCS-M6-001 (D-4)	C	O/C	C	PI (ISTC-3700) STO STC FST		
<u>Reactor Head Vent Valve</u>														

## System: RCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-RCS-PL-V150D	1	N	B	A	1"	GL	SO	SV3-RCS-M6-001 (D-4)	C	O/C	C	PI (ISTC-3700) STO STC FST		
<u>Reactor Head Vent Valve</u>														
SV3-RCS-PL-V233	3	N	B	P	2"	GL	MA	SV3-RCS-M6-002 (H-3)	O	O	AI	PI (ISTC-3700)		Open only indication
<u>RV Head Vent to IRWST Isolation Valve</u>														
SV3-RCS-PY-K03	3	N	D	A	10"	RD	SA	SV3-RCS-M6-002 (H-8)	C	O	NA	VE(I-7160/7260)		
<u>Pressurizer Relief Valve Discharge Line Rupture Disc</u>														
SV3-RCS-PY-K04	3	N	D	A	10"	RD	SA	SV3-RCS-M6-002 (F-7)	C	O	NA	VE(I-7160/7260)		
<u>Pressurizer Relief Valve Discharge Line Rupture Disc</u>														

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

#### System: RNS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-RNS-PL-V001A	1	N	A	A	10"	GA	MO	SV3-RNS-M6-001 (F-2)	C	C	AI	PI (III-3300) STC III-3100 III-3300 LT		
RNS Suction from RCS Inner Isolation Valve														
SV3-RNS-PL-V001B	1	N	A	A	10"	GA	MO	SV3-RNS-M6-001 (D-2)	C	C	AI	PI (III-3300) STC III-3100 III-3300 LT		
RNS Suction from RCS Inner Isolation Valve														
SV3-RNS-PL-V002A	1	N	A	A	10"	GA	MO	SV3-RNS-M6-001 (F-2)	C	C	AI	PI (III-3300) STC III-3100 III-3300 LT		
RNS Suction from RCS Outer Isolation /IC Containment Isolation Valve													LT-App. J	
SV3-RNS-PL-V002B	1	N	A	A	10"	GA	MO	SV3-RNS-M6-001 (D-2)	C	C	AI	PI (III-3300) STC III-3100 III-3300 LT		
RNS Suction from RCS Outer Isolation /IC Containment Isolation Valve													LT-App. J	
SV3-RNS-PL-V003A	2	N	C	A	1"	CK	SA	SV3-RNS-M6-001 (G-2)	C	O	NA	CKOP CKC		Accommodate thermal expansion
RNS PIV Thermal Relief Valve														
SV3-RNS-PL-V003B	2	N	C	A	1"	CK	SA	SV3-RNS-M6-001 (D-2)	C	O	NA	CKOP CKC		Accommodate thermal expansion
RNS PIV Thermal Relief Valve														
SV3-RNS-PL-V011	2	N	A	A	8"	GA	MO	SV3-RNS-M6-001 (F-7)	C	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		
RNS Discharge Header to Containment OC Containment Isolation Valve														

## System: RNS

Valve ID	Valve						Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV3-RNS-PL-V012	2	N	A	A	1"	GL	MA	SV3-RNS-M6-001	C	C/O	AI	ETM		Accommodate thermal expansion
Post-Accident Long Term RCS Make-up & Containment Isolation Valve								(G-7)				LT-App. J		
SV3-RNS-PL-V013	2	N	AC	A	8"	CK	SA	SV3-RNS-M6-001	C	C/O	NA	CKO		Accommodate thermal expansion
RNS to Containment IC Containment Isolation Valve								(F-7)				CKC		
													LT-App. J	
SV3-RNS-PL-V015A	1	N	AC	A	6"	CK	SA	SV3-RNS-M6-001	C	C/O	NA	CKO		Accommodate thermal expansion
RNS to DVI Stop Check Valve								(F-8)				CKC		
													LT	
SV3-RNS-PL-V015B	1	N	AC	A	6"	CK	SA	SV3-RNS-M6-001	C	C/O	NA	CKO		Accommodate thermal expansion
RNS to DVI Stop Check Valve								(F-8)				CKC		
													LT	
SV3-RNS-PL-V017A	1	N	AC	A	6"	CK	SA	SV3-RNS-M6-001	C	C/O	NA	CKO		Accommodate thermal expansion
RNS to DVI Check Valve								(F-8)				CKC		
													LT	
SV3-RNS-PL-V017B	1	N	AC	A	6"	CK	SA	SV3-RNS-M6-001	C	C/O	NA	CKO		Accommodate thermal expansion
RNS to DVI Check Valve								(F-8)				CKC		
													LT	
SV3-RNS-PL-V020	2	N	AC	A	1"	RV	SA	SV3-RNS-M6-001	C	O/C	NA	RVT(I-7150(b))		Verify Vendor setpoint Leak tightness per Vendor test
RNS Suction Relief Valve								(G-2)				RVT(I-7150(c))		
													VE(I-7150(a))	
													LT-App. J	
SV3-RNS-PL-V021	2	N	AC	A	3"	RV	SA	SV3-RNS-M6-001	C	O/C	NA	RVT(I-7150(b))		Verify Vendor setpoint Leak tightness per Vendor test
RNS Suction Relief Valve								(G-2)				RVT(I-7150(c))		
													VE(I-7150(a))	
													LT-App. J	
SV3-RNS-PL-V022	2	N	A	A	10"	GA	MO	SV3-RNS-M6-001	C	C	AI	PI (III-3300)		
RNS Suction from RCS OC Containment Isolation Valve								(F-3)				STC		
													III-3100	
													III-3300	
													LT-App. J	
SV3-RNS-PL-V023	2	N	A	A	10"	GA	MO	SV3-RNS-M6-001	C	C	AI	PI (III-3300)		
RNS Suction from IRWST/IC Containment Isolation Valve								(E-3)				STC		
													III-3100	
													III-3300	
													LT-App. J	

## System: RNS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-RNS-PL-V061	2	N	A	A	3"	GL	AO	SV3-RNS-M6-001 (G-3)	C	C	C	PI (ISTC-3700) STC FST		
CVS return to RNS Suction/IC Containment Isolation Valve												LT-App. J		



## Vogle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: SDS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
escription	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-SDS-PL-V001	3	N	B	A	3"	BU	MO	SV3-SDS-M6-001 (E-5)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR SDS (Vent) Isolation Valve														
SV3-SDS-PL-V002	3	N	B	A	3"	BU	MO	SV3-SDS-M6-001 (E-5)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR SDS (Vent) Isolation Valve														

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: SFS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-SFS-PL-V031	3	N	B	P	6"	BU	MA	SV3-SFS-M6-001	LO	O	AI	PI (ISTC-3700)		
Refueling Cavity Drain to S/G 2 Compartment Isolation Valve (F-7)														
SV3-SFS-PL-V033	3	N	B	P	2"	PL	MA	SV3-SFS-M6-001	LC	C	AI	PI (ISTC-3700)		
Refueling Cavity Drain to Containment Sump Isolation Valve (E-7)														
SV3-SFS-PL-V034	2	N	A	A	6"	BU	MO	SV3-SFS-M6-001	C	C	AI	PI (III-3300)		
												STC		
												III-3100		
												III-3300		
Refueling Cavity/IRWST to SFS IC Containment Iso Valve												LT-App. J		
SV3-SFS-PL-V035	2	N	A	A	6"	BU	MO	SV3-SFS-M6-001	C	C	AI	PI (III-3300)		
												STC		
												III-3100		
												III-3300		
Refueling Cavity/IRWST to SFS OC Containment Iso Valve												LT-App. J		
SV3-SFS-PL-V037	2	N	AC	A	4"	CK	SA	SV3-SFS-M6-001	C	C/O	NA	CKC		
												CKOP		Accommodate thermal expansion
SFS to Refueling Cavity/IRWST IC Containment Iso Valve												LT-App. J		
SV3-SFS-PL-V038	2	N	A	A	4"	BU	MO	SV3-SFS-M6-001	C	C	AI	PI (III-3300)		
												STC		
												III-3100		
												III-3300		
SFS to Refueling Cavity/IRWST OC Containment Iso Valve												LT-App. J		
SV3-SFS-PL-V041	3	N	B	A	6"	BU	MA	SV3-SFS-M6-001	LC	C	AI	ETM		
SFS Cask Loading Pit Suction Isolation Valve (F-1)														
SV3-SFS-PL-V042	3	Y	B	P	6"	BU	MA	SV3-SFS-M6-001	LC	C	AI	ETM		
SFS Cask Loading Pit to Pumps Suction Isolation Valve (E-3/4)														
SV3-SFS-PL-V045	3	Y	B	P	4"	BU	MA	SV3-SFS-M6-001	LC	C	AI	ETM		
SFS Discharge Line to Cask Loading Pit Isolation Valve (D-4)														
SV3-SFS-PL-V049	3	Y	B	P	2"	PL	MA	SV3-SFS-M6-001	LC	C	AI	ETM		
SFS Cask Loading Pit Drain to WLS Isolation Valve (E-2)														

## System: SFS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-SFS-PL-V066	3	N	B	A	2"	BA	MA	SV3-SFS-M6-001	LC	C/O	AI	ETM		
Spent Fuel Pool Boiloff Makeup Isolation Valve									(F-3)					
SV3-SFS-PL-V067	2	N	AC	A	1"	RV	SA	SV3-SFS-M6-001	C	O/C	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint Leak tightness per Vendor test
Refueling Cavity/IRWST to SFS Penetration Relief Valve														
SV3-SFS-PL-V068	3	N	B	A	4"	BU	MA	SV3-SFS-M6-001	LO	O	AI	ETM		
SFS Cask Washdown Pit Drain Isolation Valve									(F-2)					
SV3-SFS-PL-V071	3	N	C	A	6"	CK	SA	SV3-SFS-M6-001	C	O/C	NA	CKO		
Refueling Cavity/IRWST to SFS Penetration Relief Valve									(E-6)			CKC		
SV3-SFS-PL-V072	3	N	C	A	6"	CK	SA	SV3-SFS-M6-001	C	O/C	NA	CKO		
Refueling Cavity/IRWST to SFS Penetration Relief Valve									(E-6)			CKC		
SV3-SFS-PL-V075	3	N	B	P	20"	BU	MA	SV3-SFS-M6-001	LO	O	AI	PI (ISTC-3700)		
SFS Reactor Cavity Post-Accident Containment Floodup Valve									(G-7)					

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

#### System: SGS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-SGS-PL-V027A	2	N	B	A	12"	GL	MO	SV3-SGS-M6-001 (G-2)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
SG 1 PORV Isolation valve														
SV3-SGS-PL-V027B	2	N	B	A	12"	GL	MO	SV3-SGS-M6-002 (G-2)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
SG 2 PORV Isolation valve														
SV3-SGS-PL-V030A	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-001 (G-4/5)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 1 Safety Valve														Leak tightness verification after set test
SV3-SGS-PL-V030B	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-002 (G-4/5)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve														Leak tightness verification after set test
SV3-SGS-PL-V031A	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-001 (G-4)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 1 Safety Valve														Leak tightness verification after set test

## System: SGS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV3-SGS-PL-V031B	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-002 (G-4)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV3-SGS-PL-V032A	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-001 (G-4)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 1 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV3-SGS-PL-V032B	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-002 (G-4)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV3-SGS-PL-V033A	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-001 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 1 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV3-SGS-PL-V033B	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-002 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test

## System: SGS

Valve ID	Valve						Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV3-SGS-PL-V034A	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-001 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 1 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV3-SGS-PL-V034B	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-002 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV3-SGS-PL-V035A	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-001 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 1 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV3-SGS-PL-V035B	2	N	C	A	8X10"	RV	SA	SV3-SGS-M6-002 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV3-SGS-PL-V036A	2	N	B	A	2"	GL	AO	SV3-SGS-M6-001 (G-3)	O	C	C	PI (ISTC-3700) STC FST		
SG1 Steam Line Drain Isolation														
SV3-SGS-PL-V036B	2	N	B	A	2"	GL	AO	SV3-SGS-M6-002 (G-3)	O	C	C	PI (ISTC-3700) STC FST		
SG2 Steam Line Drain Isolation														

## System: SGS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-SGS-PL-V040A	2	N	B	A	38"	GA	PH	SV3-SGS-M6-001 (G-1)	O	C	C	PI (ISTC-3700) STC FST		Note 1
<u>SG 1 Main Steam Isolation Valve</u>														
SV3-SGS-PL-V040B	2	N	B	A	38"	GA	PH	SV3-SGS-M6-002 (G-1)	O	C	C	PI (ISTC-3700) STC FST		Note 1
<u>SG 2 Main Steam Isolation Valve</u>														
SV3-SGS-PL-V057A	2	N	B	A	20"	GA	PH	SV3-SGS-M6-001 (E-4)	O	C	C	PI (ISTC-3700) STC FST		Note 1
<u>SG 1 Main Feedwater Isolation Valve</u>														
SV3-SGS-PL-V057B	2	N	B	A	20"	GA	PH	SV3-SGS-M6-002 (E-4)	O	C	C	PI (ISTC-3700) STC FST		Note 1
<u>SG 2 Main Feedwater Isolation Valve</u>														
SV3-SGS-PL-058A	2	N	C	A	20"	CK	SA	SV3-SGS-M6-001 (E-5)	O	C/O	NA	CKOP CKC		Accommodate thermal expansion
<u>SG1 Main Feed Check Valve</u>														
SV3-SGS-PL-058B	2	N	C	A	20"	CK	SA	SV3-SGS-M6-002 (E-5)	O	C/O	NA	CKOP CKC		Accommodate thermal expansion
<u>SG2 Main Feed Check Valve</u>														
SV3-SGS-PL-V067A	2	N	B	A	6"	GA	MO	SV3-SGS-M6-001 (D-5)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
<u>SG 1 Startup Feedwater Isolation Valve</u>														
SV3-SGS-PL-V067B	2	N	B	A	6"	GA	MO	SV3-SGS-M6-002 (D-5)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
<u>SG 2 Startup Feedwater Isolation Valve</u>														
SV3-SGS-PL-V074A	2	N	B	A	4"	GL	AO	SV3-SGS-M6-001 (C-5)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 Blowdown Isolation Valve</u>														
SV3-SGS-PL-V074B	2	N	B	A	4"	GL	AO	SV3-SGS-M6-002 (C-5)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 Blowdown Isolation Valve</u>														
SV3-SGS-PL-V075A	3	N	B	A	4"	GL	AO	SV3-SGS-M6-001 (C-5)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 Blowdown Isolation Valve Second-off</u>														

## System: SGS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-SGS-PL-V075B	3	N	B	A	4"	GL	AO	SV3-SGS-M6-002 (C-5)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 Blowdown Isolation Valve Second-off</u>														
SV3-SGS-PL-V086A	3	N	B	A	2"	GL	AO	SV3-SGS-M6-001 (F-3)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG1 Steam Line Drain Level Control</u>														
SV3-SGS-PL-V086B	3	N	B	A	2"	GL	AO	SV3-SGS-M6-002 (F-3)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG2 Steam Line Drain Level Control</u>														
SV3-SGS-PL-V233A	3	N	B	A	12"	GL	AO	SV3-SGS-M6-001 (H-2)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 Power Operated Relief Valve (PORV)</u>														
SV3-SGS-PL-V233B	3	N	B	A	12"	GL	AO	SV3-SGS-M6-002 (H-2)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 Power Operated Relief Valve (PORV)</u>														
SV3-SGS-PL-V240A	2	N	B	A	3"	GL	AO	SV3-SGS-M6-001 (G-1)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 MSIV Bypass Valve</u>														
SV3-SGS-PL-V240B	2	N	B	A	3"	GL	AO	SV3-SGS-M6-002 (G-1)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 MSIV Bypass Valve</u>														
SV3-SGS-PL-V250A	3	N	B	A	20"	GL	AO	SV3-SGS-M6-001 (E-2/3)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 Feedwater Control Valve</u>														
SV3-SGS-PL-V250B	3	N	B	A	20"	GL	AO	SV3-SGS-M6-002 (E-2/3)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 Feedwater Control Valve</u>														
SV3-SGS-PL-V255A	3	N	B	A	6"	GL	AO	SV3-SGS-M6-001 (D-4)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 Startup Feedwater Control Valve</u>														
SV3-SGS-PL-V255B	3	N	B	A	6"	GL	AO	SV3-SGS-M6-002 (D-4)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 Startup Feedwater Control Valve</u>														



## System: SGS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-SGS-PL-256A	2	N	C	A	6"	CK	SA	SV3-SGS-M6-001 (D-4)	C	O	NA	CKOP CKC		Accommodate thermal expansion
<u>SG1 Startup Feedwater Check Valve</u>														
SV3-SGS-PL-256B	2	N	C	A	6"	CK	SA	SV3-SGS-M6-002 (D-4)	C	O	NA	CKOP CKC		Accommodate thermal expansion
<u>SG2 Startup Feedwater Check Valve</u>														
SV3-SGS-PL-V257A	3	N	C	A	1"	RV	SA	SV3-SGS-M6-001 (E-4)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Main Feedwater Thermal Relief</u>														
SV3-SGS-PL-V257B	3	N	C	A	1"	RV	SA	SV3-SGS-M6-002 (E-4)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Main Feedwater Thermal Relief</u>														
SV3-SGS-PL-V258A	3	N	C	A	1"	RV	SA	SV3-SGS-M6-001 (D-4)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Startup Feedwater Thermal Relief</u>														
SV3-SGS-PL-V258B	3	N	C	A	1"	RV	SA	SV3-SGS-M6-002 (D-4)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Startup Feedwater Thermal Relief</u>														

## Vogle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: VBS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-VBS-PL-V186	3	N	B	A	28"	BU	MO	SV3-VBS-M6-007 (F-6)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Supply Air Isolation Valve														
SV3-VBS-PL-V187	3	N	B	A	28"	BU	MO	SV3-VBS-M6-007 (F-6)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Supply Air Isolation Valve														
SV3-VBS-PL-V188	3	N	B	A	28"	BU	MO	SV3-VBS-M6-007 (C-7)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Return Air Isolation Valve														
SV3-VBS-PL-V189	3	N	B	A	28"	BU	MO	SV3-VBS-M6-007 (C-6)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Return Air Isolation Valve														
SV3-VBS-PL-V190	3	N	B	A	6"	BU	MO	SV3-VBS-M6-007 (C-3)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Toilet Exhaust Isolation Valve														
SV3-VBS-PL-V191	3	N	B	A	6"	BU	MO	SV3-VBS-M6-007 (C-3)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Toilet Exhaust Isolation Valve														

# Vogtle Electric Generating Plant – Units 3&4

## Valve Table

Unit 3

System: VES

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-VES-PL-V001	3	N	B	A	1"	GL	MA	SV3-VES-M6-002 (D-5)	C	O/C	AI	ETM		
<u>Air Delivery Isolation Valve</u>														
SV3-VES-PL-V005A	3	N	B	A	1"	GL	SO	SV3-VES-M6-002 (F-5)	C	O	O	PI (ISTC-3700) STO FST		
<u>Air Delivery Isolation Valve A</u>														
SV3-VES-PL-V005B	3	N	B	A	1"	GL	SO	SV3-VES-M6-002 (E-5)	C	O	O	PI (ISTC-3700) STO FST		
<u>Air Delivery Isolation Valve B</u>														
SV3-VES-PL-V018	3	N	B	A	1"	GL	MA	SV3-VES-M6-002 (F-5)	C	O/C	AI	ETM		
<u>Temporary Instrumentation-Isolation Valve</u>														
SV3-VES-PL-V019	3	N	B	A	1"	GL	MA	SV3-VES-M6-002 (D-5)	C	O/C	AI	ETM		
<u>Temporary Instrumentation-Isolation Valve</u>														
SV3-VES-PL-V022A	3	N	B	A	4"	BU	AO	SV3-VES-M6-002 (C-2)	C	O	O	PI (ISTC-3700) STO FST		
<u>Pressure Relief Isolation Valve A</u>														
SV3-VES-PL-V022B	3	N	B	A	4"	BU	AO	SV3-VES-M6-002 (C-2)	C	O	O	PI (ISTC-3700) STO FST		
<u>Pressure Relief Isolation Valve B</u>														
SV3-VES-PL-V040A	3	N	C	A	1"	RV	SA	SV3-VES-M6-001 (H-4)	C	O/C	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Air Tank Safety Relief Valve A</u>														
SV3-VES-PL-V040B	3	N	C	A	1"	RV	SA	SV3-VES-M6-001 (F-4)	C	O/C	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Air Tank Safety Relief Valve B</u>														
SV3-VES-PL-V040C	3	N	C	A	1"	RV	SA	SV3-VES-M6-001 (E-4)	C	O/C	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Air Tank Safety Relief Valve C</u>														

## System: VES

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-VES-PL-V040D	3	N	C	A	1"	RV	SA	SV3-VES-M6-001 (C-4)	C	O/C	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Air Tank Safety Relief Valve D</u>														
SV3-VES-PL-V044	3	N	B	A	1"	GL	MA	SV3-VES-M6-002 (F-4)	LO	O/C	AI	ETM		
<u>Eductor Flow Path Isolation Valve</u>														
SV3-VES-PL-V045	3	N	B	A	1"	GL	MA	SV3-VES-M6-002 (E-3)	LO	O/C	AI	ETM		
<u>Eductor Flow Path Isolation Valve</u>														
SV3-VES-PL-V046	3	N	B	A	1"	GL	MA	SV3-VES-M6-002 (D-3)	C	O/C	AI	ETM		
<u>Eductor Bypass Isolation Valve</u>														

## Vogle Electric Generating Plant – Units 3&4

### Valve Table

Unit 3

System: VFS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-VFS-PL-V003	2	N	A	A	16"	BU	AO	SV3-VFS-M6-001 (B-4)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Purge Inlet Containment Isol - ORC														
SV3-VFS-PL-V004	2	N	A	A	16"	BU	AO	SV3-VFS-M6-001 (B-3)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Purge Inlet Containment Isol - IRC														
SV3-VFS-PL-V009	2	N	A	A	16"	BU	AO	SV3-VFS-M6-001 (D-8)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Purge Discharge Containment Isol- IRC														
SV3-VFS-PL-V010	2	N	A	A	16"	BU	AO	SV3-VFS-M6-001 (D-7)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Purge Discharge Containment Isol- ORC														
SV3-VFS-PL-V800A	2	N	A	A	6"	BU	MO	SV3-VFS-M6-001 (E-7)	C	O/C	AI	PI (III-3300) STC STO III-3100 III-3300 LT-App. J		
Containment Vacuum Relief Isolation Valve A - ORC														
SV3-VFS-PL-V800B	2	N	A	A	6"	BU	MO	SV3-VFS-M6-001 (E-7)	C	O/C	AI	PI (III-3300) STC STO III-3100 III-3300 LT-App. J		
Containment Vacuum Relief Isolation Valve B - ORC														
SV3-VFS-PL-V803A	2	N	AC	A	6"	VB	SA	SV3-VFS-M6-001 (E-7)	C	O/C	NA	VE(I-7170) RVT(I-7270(a)) LT-App. J		Vacuum Relief Actuation to verify open/close Also meets LT requirements of I-7270(b)
Containment Vacuum Relief Valve A – IRC														

## System: VFS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-VFS-PL-V803B	2	N	AC	A	6"	VB	SA	SV3-VFS-M6-001 (E-7)	C	O/C	NA	VE(I-7170) RVT(I-7270(a))		Vacuum Relief Actuation to verify open/close
Containment Vacuum Relief Valve B – IRC												LT-App. J		Also meets LT requirements of I-7270(b)

# Vogtle Electric Generating Plant – Units 3&4

## Valve Table

Unit 3

System: VWS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV3-VWS-PL-V053	3	N	C	A	2"	RV	SA	SV3-VWS-M6-003 (B-6)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
Ctmt Cooling Unit Supply Hdr Relief														
SV3-VWS-PL-V057	3	N	C	A	2"	RV	SA	SV3-VWS-M6-003 (H-4)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
Ctmt Cooling Unit Return Hdr Relief														
SV3-VWS-PL-V058	2	N	A	A	8"	BU	AO	SV3-VWS-M6-003 (B-6)	O	C	C	PI (ISTC-3700) STC FST LT App. J		
Chilled Water Inlet Containment Isolation Valve														
SV3-VWS-PL-V062	2	N	AC	A	8"	CK	SA	SV3-VWS-M6-003 (B-6)	O	C/O	NA	CKC CKOP LT App. J		Accommodate thermal expansion
Fan Coolers Supply IC Isol Check Valve														
SV3-VWS-PL-V080	2	N	AC	A	1"	RV	SA	SV3-VWS-M6-003 (H-4)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT App. J		Verify Vendor setpoint Leak tightness per Vendor test
Ctmt Cooling Unit Return CIV Relief														
SV3-VWS-PL-V082	2	N	A	A	8"	BU	AO	SV3-VWS-M6-003 (G-3)	O	C	C	PI (ISTC-3700) STC FST LT App. J		
Chilled Water Outlet Containment Isolation Valve														
SV3-VWS-PL-V086	2	N	A	A	8"	BU	AO	SV3-VWS-M6-003 (G-3)	O	C	C	PI (ISTC-3700) STC FST LT App. J		
Chilled Water Outlet Containment Isolation Valve														

# Vogtle Electric Generating Plant – Units 3&4

## Valve Table

Unit 3

System: WLS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV3-WLS-PL-V055	2	N	A	A	2"	PL	AO	SV3-WLS-M6-001 (C-4)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Sump Discharge CIV – IRC														
SV3-WLS-PL-V057	2	N	A	A	2"	PL	AO	SV3-WLS-M6-001 (C-3)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Sump Discharge CIV – ORC														
SV3-WLS-PL-V058	2	N	AC	A	1"	RV	SA	SV3-WLS-M6-001 (C-4)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint Leak tightness per Vendor test
Containment Sump Discharge Penetration Thermal Relief														
SV3-WLS-PL-V067	2	N	A	A	1"	GL	AO	SV3-WLS-M6-001 (E-3)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
RCDT Gas Outlet CIV - IRC														
SV3-WLS-PL-V068	2	N	A	A	1"	GL	AO	SV3-WLS-M6-001 (E-3)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
RCDT Gas Outlet CIV - ORC														
SV3-WLS-PL-V071A	3	N	C	A	4"	CK	SA	SV3-WLS-M6-001 (C-8)	C	O/C	NA	CKO CKC		
CVS Compt Floor Drain Check														
SV3-WLS-PL-V071B	3	N	C	A	4"	CK	SA	SV3-WLS-M6-001 (F-8)	C	O/C	NA	CKO CKC		
PXS Compt A Floor Drain Check														
SV3-WLS-PL-V071C	3	N	C	A	4"	CK	SA	SV3-WLS-M6-001 (F-8)	C	O/C	NA	CKO CKC		
PXS Compt B Floor Drain Check														
SV3-WLS-PL-V072A	3	N	C	A	4"	CK	SA	SV3-WLS-M6-001 (C-7)	C	O/C	NA	CKO CKC		
CVS Compt Floor Drain Check														
SV3-WLS-PL-V072B	3	N	C	A	4"	CK	SA	SV3-WLS-M6-001 (F-8)	C	O/C	NA	CKO CKC		
PXS Compt A Floor Drain Check														



System: WLS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV3-WLS-PL-V072C	3	N	C	A	4"	CK	SA	SV3-WLS-M6-001	C	O/C	NA	CKO		
PXS Compt B Floor Drain Check								(F-8)				CKC		

## 8.0 VEGP-4 VALVE TABLES

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: CAS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-CAS-PL-V014	2	N	A	A	2"	BA	AO	SV4-CAS-M6-005 (F-3)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
<u>Instrument Air Containment Isolation Valve</u>														
SV4-CAS-PL-V015	2	N	AC	A	2"	CK	SA	SV4-CAS-M6-005 (F-4)	O	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Instrument Air Containment Isolation Check Valve</u>														
SV4-CAS-PL-V204	2	N	A	P	3"	BA	MA	SV4-CAS-M6-012 (E-5)	LC	C	C	LT-App. J		
<u>Service Air Containment Isolation Valve</u>														
SV4-CAS-PL-V205	2	N	AC	A	3"	CK	SA	SV4-CAS-M6-012 (E-4)	C	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Service Air Containment Isolation Check Valve</u>														

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: CCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-CCS-PL-V200	2	N	A	A	10"	BU	MO	SV4-CCS-M6-002 (H-2)	O	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		
<u>Cooling Water Supply Ctm Isol- ORC</u>														
SV4-CCS-PL-V201	2	N	AC	A	10"	CK	SA	SV4-CCS-M6-002 (H-2)	O	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Cooling Water Ctm Supply Check</u>														
SV4-CCS-PL-V207	2	N	A	A	10"	BU	MO	SV4-CCS-M6-002 (B-2)	O	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		
<u>Cooling Water Return Ctm Isol – IRC</u>														
SV4-CCS-PL-V208	2	N	A	A	10"	BU	MO	SV4-CCS-M6-002 (B-1)	O	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		
<u>Cooling Water Return Ctm Isol - ORC</u>														
SV4-CCS-PL-V220	2	N	AC	A	1"	RV	SA	SV4-CCS-M6-002 (C-2)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>Ctm Return CIV Thermal Relief</u>														
SV4-CCS-PL-V270	3	N	C	A	4"	RV	SA	SV4-CCS-M6-002 (H-2)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>CCS Supply Line to Ctm Safety/Relief</u>														
SV4-CCS-PL-V271	3	N	C	A	4"	RV	SA	SV3-CCS-M6-002 (C-2)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>CCS Return Line to Ctm Safety/Relief</u>														

# Vogtle Electric Generating Plant – Units 3&4

## Valve Table

Unit 4

### System: CVS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-CVS-PL-V001	1	N	B	A	3"	GA	MO	SV4-CVS-M6-001 (G-8)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
CVS Purification Stop Valve														
SV4-CVS-PL-V002	1	N	B	A	3"	GA	MO	SV4-CVS-M6-001 (G-7)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
CVS Purification Stop Valve														
SV4-CVS-PL-V003	3	N	B	A	3"	GL	MO	SV4-CVS-M6-001 (G-7)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
CVS Purification Stop Valve														
SV4-CVS-PL-V040	2	N	A	P	2"	BA	MA	SV4-CVS-M6-005 (F-4)	LC	C	AI	LT-App. J		
Resin Flush Inside Containment Isolation Valve														
SV4-CVS-PL-V041	2	N	A	P	2"	BA	MA	SV4-CVS-M6-005 (F-2)	LC	C	AI	LT-App. J		
Resin Flush Outside Containment Isolation Valve														
SV4-CVS-PL-V042	2	N	AC	A	1"	RV	SA	SV4-CVS-M6-005 (G-4)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
Flush Line Containment Isolation Relief Valve														
SV4-CVS-PL-V045	2	N	A	A	2"	GL	AO	SV4-CVS-M6-005 (D-4)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Letdown Line Inside Containment Isolation Valve														
SV4-CVS-PL-V047	2	N	A	A	2"	GL	AO	SV4-CVS-M6-005 (D-2)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Letdown Line Outside Containment Isolation Valve														

## System: CVS

Valve ID							Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type		& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-CVS-PL-V058	2	N	AC	A	1"	RV	SA		SV4-CVS-M6-005 (E-4)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>Letdown Line Relief Thermal Relief Valve</u>															
SV4-CVS-PL-V064	N	N	C	A	3"	CK	SA		SV4-CVS-M6-005 (C-5)	C	O	NA	CKC		Accommodate thermal expansion
<u>Make-up Discharge Header Check Valve</u>														CKOP	
SV4-CVS-PL-V067	1	N	C	A	1"	CK	SA		SV4-CVS-M6-001 (F-7)	O	C/O	NA	CKC		Accommodate thermal expansion
<u>Makeup Return Line Spring-Assisted Check Valve</u>														CKOP	
SV4-CVS-PL-V080	3	N	C	A	3"	CK	SA		SV4-CVS-M6-001 (G-7)	O	C/O	NA	CKC		Accommodate thermal expansion
<u>Regen HX Shell Side Outlet Check Valve</u>														CKOP	
SV4-CVS-PL-V081	1	N	BC	A	3"	SC	AO		SV4-CVS-M6-001 (G-7)	O	C	NA	PI (ISTC-3700) CKC		Accommodate thermal expansion
<u>Purification Return Line Stop Check Valve</u>														CKOP	
SV4-CVS-PL-V082	1	N	C	A	3"	CK	SA		SV4-CVS-M6-001 (G-8)	O	C/O	NA	CKC		Accommodate thermal expansion
<u>RCS Purification Return Line Check Valve</u>														CKOP	
SV4-CVS-PL-V084	1	N	B	A	2"	GL	AO		SV4-CVS-M6-001 (F-7)	C	C	C	PI (ISTC-3700) STC		Accommodate thermal expansion
<u>Auxiliary Pressurizer Spray Line Isolation Valve</u>														FST	
SV4-CVS-PL-V085	1	N	C	A	2"	CK	SA		SV4-CVS-M6-001	C	C/O	NA	CKC		Accommodate thermal expansion
<u>Auxiliary Pressurizer Spray Line Valve</u>														CKOP	
SV4-CVS-PL-V090	2	N	A	A	3"	GA	MO		SV4-CVS-M6-005 (C-2)	O	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		Accommodate thermal expansion
<u>Makeup Line Outside Containment Isolation Valve</u>															
SV4-CVS-PL-V091	2	N	A	A	3"	GA	MO		SV4-CVS-M6-005 (C-4)	O	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		Accommodate thermal expansion
<u>Makeup Line Inside Containment Isolation Valve</u>															
SV4-CVS-PL-V092	2	N	A	A	1"	GL	AO		SV4-CVS-M6-003 (F-6)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		Accommodate thermal expansion
<u>Zinc Injection Containment Isolation Valve ORC</u>															

## System: CVS

Valve ID							Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size		Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-CVS-PL-V094	2	N	A	A	1"		GL	AO	SV4-CVS-M6-003 (F-7)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
<u>Zinc Injection Containment Isolation Valve IRC</u>															
SV4-CVS-PL-V098	2	N	AC	A	1"		RV	SA	SV4-CVS-M6-003 (F-6)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>Zinc Injection Ctmt Isol Thermal Relief Valve</u>															
SV4-CVS-PL-V100	2	N	AC	A	1"		CK	SA	SV4-CVS-M6-005 (B-4)	O	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Makeup Line Containment Isolation Relief</u>															
SV4-CVS-PL-V136A	3	N	B	A	2"		BU	AO	SV4-CVS-M6-004 (C-4)	C	C	C	PI (ISTC-3700) STC FST		
<u>Demineralized Water System Isolation Valve</u>															
SV4-CVS-PL-V136B	3	N	B	A	2"		BU	AO	SV4-CVS-M6-004 (C-4)	C	C	C	PI (ISTC-3700) STC FST		
<u>Demineralized Water System Isolation Valve</u>															
SV4-CVS-PL-V217	2	N	AC	A	½"		CK	SA	SV4-CVS-M6-003 (D-7)	O	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Hydrogen Injection Containment Isolation Check Valve IRC</u>															
SV4-CVS-PL-V219	2	N	A	A	½"		GL	AO	SV4-CVS-M6-003 (D-6)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
<u>Hydrogen Injection Containment Isolation Valve ORC</u>															

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: DWS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-DWS-PL-V241	3	N	C	A	1"	RV	SA	SV4-DWS-M6-007 (E-5)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
<u>Demin Water Supply to Containment Relief</u>														
SV4-DWS-PL-V244	2	N	A	P	3"	BU	MA	SV4-DWS-M6-007 (E-6)	LC	C	AI	LT-App. J		Exercised during Shutdown and leaktest
<u>Demin Water Supply Containment Isolation - Outside</u>														
SV4-DWS-PL-V245	2	N	AC	A	2"	CK	SA	SV4-DWS-M6-007 (E-6)	C	C/O	NA	CKC CKOP LT-App. J		Accommodate thermal expansion
<u>Demin Water Supply Containment Isolation Check Valve - IRC</u>														



# Vogle Electric Generating Plant – Units 3&4 Valve Table

Unit 4

System: FHS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-FHS-PL-V001	3	N	B	A	30"	GA	MA	SV4-SFS-M6-001	C	C	AI	ETM		
Fuel Transfer Tube Isolation Valve						(F-6)								

## Vogle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: FPS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-FPS-PL-V050	2	N	A	P	6"	BU	MA	SV4-FPS-M6-004 (F-5)	LC	C	AI	LT-App. J		Exercised during Shutdown and leaktest
Fire Water Containment Supply Isolation														
SV4-FPS-PL-V052	2	N	AC	A	6"	CK	SA	SV4-FPS-M6-004 (F-5)	C	C/O	NA	CKC CKOP		Accommodate thermal expansion
Fire Water Supply Cont Isol Check Valve - IRC												LT-App. J		
SV4-FPS-PL-V702	3	N	C	A	1"	RV	SA	SV4-FPS-M6-004 (F/G-5)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c))		Verify Vendor setpoint, Thermal Relief Leak tightness per Vendor test
Fire Water Supply IC Thermal Relief												VE(I-7150(a))		

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: MSS

Valve ID							Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size		Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-MSS-PL-V001	N	Y	B	A	16"		GL	AO	SV4-MSS-M6-001 (H-8)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>															
SV4-MSS-PL-V002	N	Y	B	A	16"		GL	AO	SV4-MSS-M6-001 (H-7)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>															
SV4-MSS-PL-V003	N	Y	B	A	16"		GL	AO	SV4-MSS-M6-001 (H-6)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>															
SV4-MSS-PL-V004	N	Y	B	A	16"		GL	AO	SV4-MSS-M6-001 (H-4)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>															
SV4-MSS-PL-V005	N	Y	B	A	16"		GL	AO	SV4-MSS-M6-001 (H-3)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>															
SV4-MSS-PL-V006	N	Y	B	A	16"		GL	AO	SV4-MSS-M6-001 (H-2)	C	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2 Note 1
<u>Turbine Bypass Control Valve</u>															
SV4-MSS-PL-V015A	N	Y	B	A	10"		GL	AO	SV4-MSS-M6-001 (B-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>MSR 2<sup>ND</sup> Stage Reheat Steam AO Isolation Valve</u>															
SV4-MSS-PL-V015B	N	Y	B	A	10"		GL	AO	SV4-MSS-M6-001 (G-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>MSR 2<sup>ND</sup> Stage Reheat Steam AO Isolation Valve</u>															

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: MTS

Valve ID							Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size		Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-MTS-PL-V001A	N	Y	B	A	28"		GL	EH	SV4-MTS-M6-002 (F-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Stop Valve</u>															
SV4-MTS-PL-V001B	N	Y	B	A	28"		GL	EH	SV4-MTS-M6-002 (C-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Stop Valve</u>															
SV4-MTS-PL-V002A	N	Y	B	A	28"		GL	EH	SV4-MTS-M6-002 (F-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Control Valve</u>															
SV4-MTS-PL-V002B	N	Y	B	A	28"		GL	EH	SV4-MTS-M6-002 (C-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Control Valve</u>															
SV4-MTS-PL-V003A	N	Y	B	A	28"		GL	EH	SV4-MTS-M6-002 (E-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Stop Valve</u>															
SV4-MTS-PL-V003B	N	Y	B	A	28"		GL	EH	SV4-MTS-M6-002 (D-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Stop Valve</u>															
SV4-MTS-PL-V004A	N	Y	B	A	28"		GL	EH	SV4-MTS-M6-002 (E-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Control Valve</u>															
SV4-MTS-PL-V004B	N	Y	B	A	28"		GL	EH	SV4-MTS-M6-002 (D-6)	O	C	C	PI (ISTC-3700) STC FST		Required by TS 3.7.2
<u>Main Turbine Control Valve</u>															

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: PCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-PCS-PL-V001A	3	N	B	A	6"	BU	AO	SV4-PCS-M6-001 (E-4)	C	O	O	PI (ISTC-3700) STO FST		
<u>PCS Actuation Valve A</u>														
SV4-PCS-PL-V001B	3	N	B	A	6"	BU	AO	SV4-PCS-M6-001 (E-6)	C	O	O	PI (ISTC-3700) STO FST		
<u>PCS Actuation Valve B</u>														
SV4-PCS-PL-V001C	3	N	B	A	6"	GA	MO	SV4-PCS-M6-001 (E-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		This valve has a passive closed function for Spent fuel make-up.
<u>PCS Actuation Valve C</u>														
SV4-PCS-PL-V002A	3	N	B	A	6"	GA	MO	SV4-PCS-M6-001 (E-4)	O	O	AI	PI (III-3300) STO III-3100 III-3300		This valve has a passive closed function for Spent fuel make-up.
<u>PCS Isolation Valve A</u>														
SV4-PCS-PL-V002B	3	N	B	A	6"	GA	MO	SV4-PCS-M6-001 (E-6)	O	O	AI	PI (III-3300) STO III-3100 III-3300		This valve has a passive closed function for Spent fuel make-up.
<u>PCS Isolation Valve B</u>														
SV4-PCS-PL-V002C	3	N	B	A	6"	GA	MO	SV4-PCS-M6-001 (E-5)	O	O	AI	PI (III-3300) STO III-3100 III-3300		This valve has a passive closed function for Spent fuel make-up.
<u>PCS Isolation Valve C</u>														
SV4-PCS-PL-V005	3	N	B	A	4"	GA	MA	SV4-PCS-M6-002 (G-5)	O	C	AI	ETM		
<u>PCS to DWS/FPS Iso Valve</u>														
SV4-PCS-PL-V009	3	N	B	A	3"	GA	MA	SV4-PCS-M6-001 (E-4)	C	C/O	AI	ETM		Open for Emergency SFP make-up
<u>Spent Fuel Pool Emergency Makeup Valve</u>														
SV4-PCS-PL-V015	3	N	B	A	1"	GL	MA	SV4-PCS-M6-002 (G-8)	O	C	AI	ETM		
<u>PCS Long Term supply to Distribution Bucket Drain Valve</u>														
SV4-PCS-PL-V020	3	N	B	A	3"	GA	MA	SV4-PCS-M6-002 (G-7)	C	O	AI	ETM		
<u>PCS Long Term supply to Distribution Bucket Iso Valve</u>														

## System: PCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-PCS-PL-V023	3	N	B	A	4"	GA	MA	SV4-PCS-M6-002	O	C	AI	ETM		
PCS Recirc Pumps to PCCWST Iso Valve									(F-7)					
SV4-PCS-PL-V039	3	N	C	A	4"	CK	SA	SV4-PCS-M6-002	C	O/C	NA	CKO		
PCS/SFS Long Term Make-up Supply Check Valve									(F-3)			CKC		
SV4-PCS-PL-V042	3	N	B	A	1"	GL	MA	SV4-PCS-M6-002	C	C	AI	ETM		
PCS Long Term Supply from Temp Pump Drain Valve									(F-3)					
SV4-PCS-PL-V044	3	N	B	A	4"	GA	MA	SV4-PCS-M6-002	*	O	AI	ETM		* Locked one turn from full open
PCS Long Term Supply from Temp Pump Iso Valve									(F-4)					
SV4-PCS-PL-V045	3	N	B	A	2"	GL	MA	SV4-PCS-M6-001	C	O	AI	ETM		
PCS Supply to SFS Make-up Iso Valve									(B-3)					
SV4-PCS-PL-V046	3	N	B	A	4"	GA	MA	SV4-PCS-M6-002	LO	C	AI	ETM		
PCCWST Recirculation Return Isolation Valve									(H-7)					
SV4-PCS-PL-V049	3	N	B	A	1"	GL	MA	SV4-PCS-M6-001	O	C	AI	ETM		
PCCWST Drain Isolation Valve									(B-2)					
SV4-PCS-PL-V050	3	N	B	A	2"	GL	MA	SV4-PCS-M6-002	C	C/O	AI	ETM		
Recirc Header Discharge to SFS Pool Isolation Valve									(F-7)					
SV4-PCS-PL-V051	3	N	B	A	2"	GL	MA	SV4-PCS-M6-001	C	C/O	AI	ETM		
Spent Fuel Pool Emergency Makeup Lower Isolation Valve									(B-2)					

## Vogle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: PSS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-PSS-PL-V001A Hot Leg 1 Sample Isolation Valve	2	N	C	A	1/4"	GL	SO	SV4-PSS-M6-001 E-8	O	O	C	RVT		Thermal Relief function
SV4-PSS-PL-V001B Hot Leg 2 Sample Isolation Valve	2	N	C	A	1/4"	GL	SO	SV4-PSS-M6-001 D-8	C	O	C	RVT		Thermal Relief function
SV4-PSS-PL-V003 Pressurizer Sample Isolation Valve	2	N	C	A	1/4"	GL	SO	SV4-PSS-M6-001 G-8	C	O	C	RVT		Thermal Relief function
SV4-PSS-PL-V008  Containment Air Sample Containment Isolation Valve IRC	2	N	A	A	5/8"	GL	SO	SV4-PSS-M6-001 (D-7)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
SV4-PSS-PL-V010A  Liquid Sample Line Containment Isolation Valve IRC	2	N	AC	A	1/4"	GL	SO	SV4-PSS-M6-001 (D-7)	O	C/O	C	PI (ISTC-3700) STC FST RVT LT-App. J		Thermal Relief function
SV4-PSS-PL-V010B  Liquid Sample Line Containment Isolation Valve IRC	2	N	AC	A	1/4"	GL	SO	SV4-PSS-M6-001 (G-7)	C	C/O	C	PI (ISTC-3700) STC FST RVT LT-App. J		Thermal Relief function
SV4-PSS-PL-V011A  Liquid Sample Line Containment Isolation Valve ORC	2	N	A	A	1/4"	GL	AO	SV4-PSS-M6-001 (E-6)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
SV4-PSS-PL-V011B  Liquid Sample Line Containment Isolation Valve ORC	2	N	A	A	1/4"	GL	AO	SV4-PSS-M6-001 (G-6)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		

## System: PSS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-PSS-PL-V023	2	N	A	A	1"	GL	AO	SV4-PSS-M6-001 (C-6)	O	C	C	PI (ISTC-3700) STC FST		
<u>Sample Return Line Containment Isolation Valve ORC</u>												LT-App. J		
SV4-PSS-PL-V024	2	N	A	A	1"	GL	SO	SV4-PSS-M6-001 (C-7)	O	C	C	PI (ISTC-3700) STC FST		
<u>Sample Return Line Containment Isolation Valve IRC</u>												LT-App. J		
SV4-PSS-PL-V046	2	N	A	A	5/8"	GL	AO	SV4-PSS-M6-001 (D-6)	O	C	C	PI (ISTC-3700) STC FST		
<u>Air Sample Line Containment Isolation Valve ORC</u>												LT-App. J		



## Vogle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: PWS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-PWS-PL-V418	3	N	B	A	1"	GL	MA	SV4-PWS-M6-002	O	C	AI	ETM		
Control Room Boundary Outside Isolation Valve									(G-4)					
SV4-PWS-PL-V420	3	N	B	A	1"	GL	MA	SV4-PWS-M6-002	O	C	AI	ETM		
Control Room Boundary Inside Isolation Valve									(F-4)					
SV4-PWS-PL-V498	3	N	C	A	1"	VB	SA	SV4-PWS-M6-002	C	O	NA	VE(I-7170)		
Control Room Boundary Vacuum Breaker												RVT(I-7270(a))		Actuation to verify open/close
												RVT(I-7270(b))		Leak tightness

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: PXS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-PXS-PL-V002A	1	N	B	P	8"	GA	MO	SV4-PXS-M6-001	O	O	AI	PI (ISTC-3700)		
RCS to CMT A Isolation Valve								(G/H-5)						
SV4-PXS-PL-V002B	1	N	B	P	8"	GA	MO	SV4-PXS-M6-001	O	O	AI	PI (ISTC-3700)		
RCS to CMT B Isolation Valve								(G/H-4)						
SV4-PXS-PL-V013A	1	N	B	P	8"	GA	MA	SV4-PXS-M6-001	LO	O	AI	PI (ISTC-3700)		
CMT A Discharge Manual Isol Valve								(D-6)						
SV4-PXS-PL-V013B	1	N	B	P	8"	GA	MA	SV4-PXS-M6-001	LO	O	AI	PI (ISTC-3700)		
CMT B Discharge Manual Isol Valve								(D-3)						
SV4-PXS-PL-V014A	1	N	B	A	8"	GL	AO	SV4-PXS-M6-001	C	O	O	PI (ISTC-3700)		
CMT A Outlet Valve								(E-7)				STO		
SV4-PXS-PL-V014B	1	N	B	A	8"	GL	AO	SV4-PXS-M6-001	C	O	O	PI (ISTC-3700)		
CMT B Outlet Valve								(E-3)				STO		
SV4-PXS-PL-V015A	1	N	B	A	8"	GL	AO	SV4-PXS-M6-001	C	O	O	PI (ISTC-3700)		
CMT A Outlet Valve								(D-7)				STO		
SV4-PXS-PL-V015B	1	N	B	A	8"	GL	AO	SV4-PXS-M6-001	C	O	O	PI (ISTC-3700)		
CMT B Outlet Valve								(D-3)				STO		
SV4-PXS-PL-V016A	1	N	C	A	8"	CK	SA	SV4-PXS-M6-001	O	O/C	NA	CKO		
CMT A outlet to RCS Check								(D-6)				CKC		
SV4-PXS-PL-V016B	1	N	C	A	8"	CK	SA	SV4-PXS-M6-001	O	O/C	NA	CKO		
CMT B outlet to RCS Check								(D-3)				CKC		
SV4-PXS-PL-V017A	1	N	C	A	8"	CK	SA	SV4-PXS-M6-001	O	O/C	NA	CKO		
CMT A outlet to RCS Check								(D-6)				CKC		
SV4-PXS-PL-V017B	1	N	C	A	8"	CK	SA	SV4-PXS-M6-001	O	O/C	NA	CKO		
CMT B outlet to RCS Check								(D-3)				CKC		
SV4-PXS-PL-V021A	3	N	B	P	1"	GL	SO	SV4-PXS-M6-001	C	C	C	PI (ISTC-3700)		
Accumulator A Nitrogen supply Valve								(C-7)						

## System: PXS

Valve ID	Valve						Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-PXS-PL-V021B	3	N	B	P	1"	GL	SO	SV4-PXS-M6-001 (C-2)	C	C	C	PI (ISTC-3700)		
<u>Accumulator B Nitrogen supply Valve</u>														
SV4-PXS-PL-V022A	3	N	C	A	1"	RV	SA	SV4-PXS-M6-001 (C-7)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c))		Verify Vendor setpoint Leak tightness (from Vendor test)
<u>Accumulator A Relief Valve</u>														
SV4-PXS-PL-V022B	3	N	C	A	1"	RV	SA	SV4-PXS-M6-001 (C-2)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c))		Verify Vendor setpoint Leak tightness (from Vendor test)
<u>Accumulator B Relief Valve</u>														
SV4-PXS-PL-V027A	3	N	B	P	8"	GA	MO	SV4-PXS-M6-001 (B-6)	O	O	AI	PI (ISTC-3700)		
<u>Accumulator A to RCS Isolation Valve</u>														
SV4-PXS-PL-V027B	3	N	B	P	8"	GA	MO	SV4-PXS-M6-001 (B-3)	O	O	AI	PI (ISTC-3700)		
<u>Accumulator B to RCS Isolation Valve</u>														
SV4-PXS-PL-V028A	1	N	AC	A	8"	CK	SA	SV4-PXS-M6-001 (B-6)	C	O/C	NA	CKO CKC LT		
<u>Accumulator A outlet to RCS Check</u>														
SV4-PXS-PL-V028B	1	N	AC	A	8"	CK	SA	SV4-PXS-M6-001 (B-3)	C	O/C	NA	CKO CKC LT		
<u>Accumulator B outlet to RCS Check</u>														
SV4-PXS-PL-V029A	1	N	AC	A	8"	CK	SA	SV4-PXS-M6-001 (B-6)	C	O/C	NA	CKO CKC LT		
<u>Accumulator A outlet to RCS Check</u>														
SV4-PXS-PL-V029B	1	N	AC	A	8"	CK	SA	SV4-PXS-M6-001 (B-4)	C	O/C	NA	CKO CKC LT		
<u>Accumulator B outlet to RCS Check</u>														
SV4-PXS-PL-V042	2	N	A	A	1"	GL	AO	SV4-PXS-M6-001 (D-1)	O	C	C	PI (ISTC-3700) STC FST LT-App. J		
<u>High Pressure Nitrogen to Containment Isolation Valve</u>														
SV4-PXS-PL-V043	2	N	AC	A	1"	CK	SA	SV4-PXS-M6-001 (D-2)	C	O/C	NA	CKOP CKC LT-App. J		Accommodate thermal expansion
<u>High Pressure Nitrogen to Containment IC Check Valve</u>														
SV4-PXS-PL-V044	N	N	C	A	1"	RV	SA	SV4-PXS-M6-001 (D-2)	C	O	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c))		Verify Vendor setpoint Leak tightness (from Vendor test)
<u>High Pressure Nitrogen to Containment Penetration Thermal Relief Valve</u>														
SV4-PXS-PL-V101	1	N	B	P	14"	GA	MO	SV4-PXS-M6-002	O	O	AI	PI (ISTC-3700)		
<u>RCS to PRHR Heat Exchanger Isolation Valve</u>														

## System: PXS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-PXS-PL-V108A	1	N	B	A	14"	BA	AO	SV4-PXS-M6-002 (F-1)	C	O	O	PI (ISTC-3700)		
PRHR Heat Exchanger Outlet Valve to RCS A												STO		
SV4-PXS-PL-V108B	1	N	B	A	14"	BA	AO	SV4-PXS-M6-002 (E-1)	C	O	O	PI (ISTC-3700)		
PRHR Heat Exchanger Outlet Valve to RCS B												FST		
SV4-PXS-PL-V109	1	N	B	P	14"	GA	MA	SV4-PXS-M6-002 (F-1)	LO	O	AI	PI (ISTC-3700)		
PRHR HX/RCS Return Isol Valve														
SV4-PXS-PL-V117A	3	N	B	P	8"	GA	MO	SV4-PXS-M6-002 (E-7)	O	O	AI	PI (ISTC-3700)		
Containment Recirculation Sump A to RCS Isolation Valve														
SV4-PXS-PL-V117B	3	N	B	P	8"	GA	MO	SV4-PXS-M6-002 (E-5)	O	O	AI	PI (ISTC-3700)		
Containment Recirculation Sump B to RCS Isolation Valve														
SV4-PXS-PL-V118A	3	N	D	A	8"	SQ	SQ	SV4-PXS-M6-002 (E-7)	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump A to RCS Actuation Squib Valve												Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV4-PXS-PL-V118B	3	N	D	A	8"	SQ	SQ	SV4-PXS-M6-002 (E-5)	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump B to RCS Actuation Squib Valve												Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV4-PXS-PL-V119A	3	N	C	A	8"	CK	SA	SV4-PXS-M6-002 (D-7)	C	O/C	NA	PI (ISTC-3700)		
Containment Recirc. Sump A outlet to RCS Check												CKO		
SV4-PXS-PL-V119B	3	N	C	A	8"	CK	SA	SV4-PXS-M6-002 (D-5)	C	O/C	NA	PI (ISTC-3700)		
Containment Recirc. Sump B outlet to RCS Check												CKO		
SV4-PXS-PL-V120A	3	N	D	A	8"	SQ	SQ	SV4-PXS-M6-002 (D-7)	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump A to RCS Actuation Squib Valve												Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV4-PXS-PL-V120B	3	N	D	A	8"	SQ	SQ	SV4-PXS-M6-002 (D-5)	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump B to RCS Actuation Squib Valve												Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV4-PXS-PL-V121A	3	N	B	P	8"	GA	MO	SV4-PXS-M6-002 (D-7)	O	O	AI	PI (ISTC-3700)		
IRWST/Recirc Sump to RCS A Isolation Valve														
SV4-PXS-PL-V121B	3	N	B	P	8"	GA	MO	SV4-PXS-M6-002 (D-5)	O	O	AI	PI (ISTC-3700)		
IRWST/Recirc Sump to RCS B Isolation Valve														
SV4-PXS-PL-V122A	1	N	C	A	8"	CK	SA	SV4-PXS-M6-002 (C-7)	C	O/C	NA	PI (ISTC-3700)		
IRWST/Recirc Sump to RCS A outlet to RCS Check												CKO		
SV4-PXS-PL-V122B	1	N	C	A	8"	CK	SA	SV4-PXS-M6-002 (C-5)	C	O/C	NA	PI (ISTC-3700)		
IRWST/Recirc Sump to RCS B outlet to RCS Check												CKO		
												CKC		

## System: PXS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-PXS-PL-V123A	1	N	D	A	8"	SQ	SQ	SV4-PXS-M6-002	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump A to RCS Actuation Squib Valve								(C-7)				Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV4-PXS-PL-V123B	1	N	D	A	8"	SQ	SQ	SV4-PXS-M6-002	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump B to RCS Actuation Squib Valve								(D-5)				Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV4-PXS-PL-V124A	1	N	C	A	8"	CK	SA	SV4-PXS-M6-002	C	O/C	NA	PI (ISTC-3700)		
								(C-7)				CKO		
IRWST/Recirc Sump to RCS A outlet to RCS Check												CKC		
SV4-PXS-PL-V124B	1	N	C	A	8"	CK	SA	SV4-PXS-M6-002	C	O/C	NA	PI (ISTC-3700)		
								(C-5)				CKO		
IRWST/Recirc Sump to RCS B outlet to RCS Check												CKC		
SV4-PXS-PL-V125A	1	N	D	A	8"	SQ	SQ	SV4-PXS-M6-002	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump A to RCS Actuation Squib Valve								(C-7)				Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV4-PXS-PL-V125B	1	N	D	A	8"	SQ	SQ	SV4-PXS-M6-002	C	O	NA	Circuit(ISTC-3100(d)(1))		
Containment Recirc. Sump B to RCS Actuation Squib Valve								(D-5)				Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV4-PXS-PL-V130A	3	N	B	A	2"	BA	AO	SV4-PXS-M6-002	O	C	C	PI (ISTC-3700)		
								(H-7)				STC		
Containment Condensation Collection to Containment Sump Isolation Valve A												FST		
SV4-PXS-PL-V130B	3	N	B	A	2"	BA	AO	SV4-PXS-M6-002	O	C	C	PI (ISTC-3700)		
								(H-7)				STC		
Containment Condensation Collection to Containment Sump Isolation Valve B												FST		
SV4-PXS-PL-V208A	2	N	A	P	.375"	GL	MA	SV4-PXS-M6-003	LC	C	C	LT-App. J		
RNS Suction Leak Test Valve								(D-3)						
SV4-PXS-PL-V230A	2	N	B	P	1"	GL	AO	SV4-PXS-M6-003	C	C	C	PI (ISTC-3700)		
Core Makeup Tank A Fill Isolation								(F-6)						
SV4-PXS-PL-V230B	2	N	B	P	1"	GL	AO	SV4-PXS-M6-003	C	C	C	PI (ISTC-3700)		
Core Makeup Tank B Fill Isolation								(G-6)						
SV4-PXS-PL-V231A	2	N	C	A	1"	CK	SA	SV4-PXS-M6-003	C	C	C	CKOP		Accommodate thermal expansion
Core Makeup Tank A Fill Check								(F-7)				CKC		
SV4-PXS-PL-V231B	2	N	C	A	1"	CK	SA	SV4-PXS-M6-003	C	C	C	CKOP		Accommodate thermal expansion
Core Makeup Tank B Fill Check								(G-7)				CKC		
SV4-PXS-PL-V232A	3	N	B	P	1"	GL	AO	SV4-PXS-M6-003	C	C	C	PI (ISTC-3700)		
Accumulator B Fill/Drain Isolation								(E-6)						
SV4-PXS-PL-V232B	3	N	B	P	1"	GL	AO	SV4-PXS-M6-003	C	C	C	PI (ISTC-3700)		
Accumulator B Fill/Drain Isolation								(G-6)						

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: RCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-RCS-PL-V001A	1	N	B	A	4"	GL	MO	SV4-RCS-M6-002 (G-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 1 Control Valve														
SV4-RCS-PL-V001B	1	N	B	A	4"	GL	MO	SV4-RCS-M6-002 (E-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 1 Control Valve														
SV4-RCS-PL-V002A	1	N	B	A	8"	GL	MO	SV4-RCS-M6-002 (G-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 2 Control Valve														
SV4-RCS-PL-V002B	1	N	B	A	8"	GL	MO	SV4-RCS-M6-002 (E-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 2 Control Valve														
SV4-RCS-PL-V003A	1	N	B	A	8"	GL	MO	SV4-RCS-M6-002 (H-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 3 Control Valve														
SV4-RCS-PL-V003B	1	N	B	A	8"	GL	MO	SV4-RCS-M6-002 (F-5)	C	O	AI	PI (III-3300) STO III-3100 III-3300		
ADS Stage 3 Control Valve														
SV4-RCS-PL-V004A	1	N	D	A	14"	SQ	SQ	SV4-RCS-M6-001 (G-6)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
ADS Stage 4 Valve														
SV4-RCS-PL-V004B	1	N	D	A	14"	SQ	SQ	SV4-RCS-M6-001 (F-3)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
ADS Stage 4 Valve														

## System: RCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-RCS-PL-V004C ADS Stage 4 Valve	1	N	D	A	14"	SQ	SQ	SV4-RCS-M6-001 (F-6)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV4-RCS-PL-V004D ADS Stage 4 Valve	1	N	D	A	14"	SQ	SQ	SV4-RCS-M6-001 (F-3)	C	O	NA	Circuit(ISTC-3100(d)(1)) Charge(ISTC-3100(d)(2))		Alternative VEGP 3&4-PST-Alt-01
SV4-RCS-PL-V005A	1	N	C	A	6"	RV	SA	SV4-RCS-M6-002 (H-7)	C	O/C	NA	PI (I-7110(c)/7310(f)) RVT(I-7110(b)) RVT(I-7110(d)) VE(I-7110(a)) RVT(I-7210)		From Vendor test Verify Vendor setpoint Leak tightness per Vendor test  Setpoint verification (due 6m prior to Initial Criticality) Alternative VEGP 3&4-PST-Alt-02
<u>Pressurizer Safety Valve</u>														
SV4-RCS-PL-V005B	1	N	C	A	6"	RV	SA	SV4-RCS-M6-002 (F-6)	C	O/C	NA	PI (I-7110(c)/7310(f)) RVT(I-7110(b)) RVT(I-7110(d)) VE(I-7110(a)) RVT(I-7210)		From Vendor test Verify Vendor setpoint Leak tightness per Vendor test  Setpoint verification (due 6m prior to Initial Criticality) Alternative VEGP 3&4-PST-Alt-02
<u>Pressurizer Safety Valve</u>														
SV4-RCS-PL-V010A	3	N	C	A	1"	VB	SA	SV4-RCS-M6-002 (G-4)	C	O	NA	VE(I-7170) RVT(I-7270(a)) RVT(I-7270(b))		Actuation to verify open/close Leak tightness
<u>ADS Header Vacuum Breaker</u>														
SV4-RCS-PL-V010B	3	N	C	A	1"	VB	SA	SV4-RCS-M6-002 (E-4)	C	O	NA	VE(I-7170) RVT(I-7270(a)) RVT(I-7270(b))		Actuation to verify open/close Leak tightness
<u>ADS Header Vacuum Breaker</u>														
SV4-RCS-PL-V011A	1	N	B	A	4"	GA	MO	SV4-RCS-M6-002 (G-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
<u>ADS Stage 1 Isolation Valve</u>														
SV4-RCS-PL-V011B	1	N	B	A	4"	GA	MO	SV4-RCS-M6-002 (E-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
<u>ADS Stage 1 Isolation Valve</u>														
SV4-RCS-PL-V012A	1	N	B	A	8"	GA	MO	SV4-RCS-M6-002 (G-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
<u>ADS Stage 2 Isolation Valve</u>														

## System: RCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-RCS-PL-V012B	1	N	B	A	8"	GA	MO	SV4-RCS-M6-002 (E-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
<u>ADS Stage 2 Isolation Valve</u>														
SV4-RCS-PL-V013A	1	N	B	A	8"	GA	MO	SV4-RCS-M6-002 (H-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
<u>ADS Stage 3 Isolation Valve</u>														
SV4-RCS-PL-V013B	1	N	B	A	8"	GA	MO	SV4-RCS-M6-002 (F-5)	C	O/C	AI	PI (III-3300) STO III-3100 III-3300		Closed safety function is passive
<u>ADS Stage 3 Isolation Valve</u>														
SV4-RCS-PL-V014A	1	N	B	P	14"	GA	MO	SV4-RCS-M6-001 (G-6)	O	O	AI	PI (ISTC-3700)		
<u>ADS Stage 4 Block Valve</u>														
SV4-RCS-PL-V014B	1	N	B	P	14"	GA	MO	SV4-RCS-M6-001 (F-3)	O	O	AI	PI (ISTC-3700)		
<u>ADS Stage 4 Block Valve</u>														
SV4-RCS-PL-V014C	1	N	B	P	14"	GA	MO	SV4-RCS-M6-001 (F-6)	O	O	AI	PI (ISTC-3700)		
<u>ADS Stage 4 Block Valve</u>														
SV4-RCS-PL-V014D	1	N	B	P	14"	GA	MO	SV4-RCS-M6-001 (F-3)	O	O	AI	PI (ISTC-3700)		
<u>ADS Stage 4 Block Valve</u>														
SV4-RCS-PL-V150A	1	N	B	A	1"	GL	SO	SV4-RCS-M6-001 (D-4)	C	O/C	C	PI (ISTC-3700) STO STC FST RVT		Thermal Relief function
<u>Reactor Head Vent Valve</u>														
SV4-RCS-PL-V150B	1	N	B	A	1"	GL	SO	SV4-RCS-M6-001 (D-4)	C	O/C	C	PI (ISTC-3700) STO STC FST RVT		Thermal Relief function
<u>Reactor Head Vent Valve</u>														
SV4-RCS-PL-V150C	1	N	B	A	1"	GL	SO	SV4-RCS-M6-001 (D-4)	C	O/C	C	PI (ISTC-3700) STO STC FST		Thermal Relief function
<u>Reactor Head Vent Valve</u>														



## System: RCS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-RCS-PL-V150D	1	N	B	A	1"	GL	SO	SV4-RCS-M6-001 (D-4)	C	O/C	C	PI (ISTC-3700) STO STC FST		
<u>Reactor Head Vent Valve</u>														
SV4-RCS-PL-V233	3	N	B	P	2"	GL	MA	SV4-RCS-M6-002 (H-3)	O	O	AI	PI (ISTC-3700)		Open only indication
<u>RV Head Vent to IRWST Isolation Valve</u>														
SV4-RCS-PY-K03	3	N	D	A	10"	RD	SA	SV4-RCS-M6-002 (H-8)	C	O	NA	VE(I-7160/7260)		
<u>Pressurizer Relief Valve Discharge Line Rupture Disc</u>														
SV4-RCS-PY-K04	3	N	D	A	10"	RD	SA	SV4-RCS-M6-002 (F-7)	C	O	NA	VE(I-7160/7260)		
<u>Pressurizer Relief Valve Discharge Line Rupture Disc</u>														

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: RNS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-RNS-PL-V001A	1	N	A	A	10"	GA	MO	SV4-RNS-M6-001 (F-2)	C	C	AI	PI (III-3300) STC III-3100 III-3300 LT		
RNS Suction from RCS Inner Isolation Valve														
SV4-RNS-PL-V001B	1	N	A	A	10"	GA	MO	SV4-RNS-M6-001 (D-2)	C	C	AI	PI (III-3300) STC III-3100 III-3300 LT		
RNS Suction from RCS Inner Isolation Valve														
SV4-RNS-PL-V002A	1	N	A	A	10"	GA	MO	SV4-RNS-M6-001 (F-2)	C	C	AI	PI (III-3300) STC III-3100 III-3300 LT		
RNS Suction from RCS Outer Isolation /IC Containment Isolation Valve													LT-App. J	
SV4-RNS-PL-V002B	1	N	A	A	10"	GA	MO	SV4-RNS-M6-001 (D-2)	C	C	AI	PI (III-3300) STC III-3100 III-3300 LT		
RNS Suction from RCS Outer Isolation /IC Containment Isolation Valve													LT-App. J	
SV4-RNS-PL-V003A	2	N	C	A	1"	CK	SA	SV4-RNS-M6-001 (G-2)	C	O	NA	CKOP CKC		Accommodate thermal expansion
RNS PIV Thermal Relief Valve														
SV4-RNS-PL-V003B	2	N	C	A	1"	CK	SA	SV4-RNS-M6-001 (D-2)	C	O	NA	CKOP CKC		Accommodate thermal expansion
RNS PIV Thermal Relief Valve														
SV4-RNS-PL-V011	2	N	A	A	8"	GA	MO	SV4-RNS-M6-001 (F-7)	C	C	AI	PI (III-3300) STC III-3100 III-3300 LT-App. J		
RNS Discharge Header to Containment OC Containment Isolation Valve														

## System: RNS

Valve ID	Valve						Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-RNS-PL-V012	2	N	A	A	1"	GL	MA	SV4-RNS-M6-001	C	C/O	AI	ETM		
Post-Accident Long Term RCS Make-up & Containment Isolation Valve								(G-7)				LT- App. J		
SV4-RNS-PL-V013	2	N	AC	A	8"	CK	SA	SV4-RNS-M6-001	C	C/O	NA	CKO		Accommodate thermal expansion
RNS to Containment IC Containment Isolation Valve								(F-7)				CKC		
													LT- App. J	
SV4-RNS-PL-V015A	1	N	AC	A	6"	CK	SA	SV4-RNS-M6-001	C	C/O	NA	CKO		Accommodate thermal expansion
RNS to DVI Stop Check Valve								(F-8)				CKC		
													LT	
SV4-RNS-PL-V015B	1	N	AC	A	6"	CK	SA	SV4-RNS-M6-001	C	C/O	NA	CKO		Accommodate thermal expansion
RNS to DVI Stop Check Valve								(F-8)				CKC		
													LT	
SV4-RNS-PL-V017A	1	N	AC	A	6"	CK	SA	SV4-RNS-M6-001	C	C/O	NA	CKO		Accommodate thermal expansion
RNS to DVI Check Valve								(F-8)				CKC		
													LT	
SV4-RNS-PL-V017B	1	N	AC	A	6"	CK	SA	SV4-RNS-M6-001	C	C/O	NA	CKO		Accommodate thermal expansion
RNS to DVI Check Valve								(F-8)				CKC		
													LT	
SV4-RNS-PL-V020	2	N	AC	A	1"	RV	SA	SV4-RNS-M6-001	C	O/C	NA	RVT(I-7150(b))		Verify Vendor setpoint
RNS Suction Relief Valve								(G-2)				RVT(I-7150(c))		Leak tightness per Vendor test
													VE(I-7150(a))	
													LT-App. J	
SV4-RNS-PL-V021	2	N	AC	A	3"	RV	SA	SV4-RNS-M6-001	C	O/C	NA	RVT(I-7150(b))		Verify Vendor setpoint
RNS Suction Relief Valve								(G-2)				RVT(I-7150(c))		Leak tightness per Vendor test
													VE(I-7150(a))	
													LT-App. J	
SV4-RNS-PL-V022	2	N	A	A	10"	GA	MO	SV4-RNS-M6-001	C	C	AI	PI (III-3300)		
RNS Suction from RCS OC Containment Isolation Valve								(F-3)				STC		
													III-3100	
													III-3300	
													LT-App. J	
SV4-RNS-PL-V023	2	N	A	A	10"	GA	MO	SV4-RNS-M6-001	C	C	AI	PI (III-3300)		
RNS Suction from IRWST/IC Containment Isolation Valve								(E-3)				STC		
													III-3100	
													III-3300	
													LT-App. J	

## System: RNS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-RNS-PL-V061	2	N	A	A	3"	GL	AO	SV4-RNS-M6-001 (G-3)	C	C	C	PI (ISTC-3700) STC FST		
CVS return to RNS Suction/IC Containment Isolation Valve												LT-App. J		

## Vogle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: SDS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-SDS-PL-V001	3	N	B	A	3"	BU	MO	SV4-SDS-M6-001 (E-5)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR SDS (Vent) Isolation Valve														
SV4-SDS-PL-V002	3	N	B	A	3"	BU	MO	SV4-SDS-M6-001 (E-5)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR SDS (Vent) Isolation Valve														

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: SFS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-SFS-PL-V031	3	N	B	P	6"	BU	MA	SV4-SFS-M6-001	LO	O	AI	PI (ISTC-3700)		
Refueling Cavity Drain to S/G 2 Compartment Isolation Valve									(F-7)					
SV4-SFS-PL-V033	3	N	B	P	2"	PL	MA	SV4-SFS-M6-001	LC	C	AI	PI (ISTC-3700)		
Refueling Cavity Drain to Containment Sump Isolation Valve									(E-7)					
SV4-SFS-PL-V034	2	N	A	A	6"	BU	MO	SV4-SFS-M6-001	C	C	AI	PI (III-3300)		
									(D-6)			STC		
												III-3100		
												III-3300		
Refueling Cavity/IRWST to SFS IC Containment Iso Valve												LT-App. J		
SV4-SFS-PL-V035	2	N	A	A	6"	BU	MO	SV4-SFS-M6-001	C	C	AI	PI (III-3300)		
									(D-5)			STC		
												III-3100		
												III-3300		
Refueling Cavity/IRWST to SFS OC Containment Iso Valve												LT-App. J		
SV4-SFS-PL-V037	2	N	AC	A	4"	CK	SA	SV4-SFS-M6-001	C	C/O	NA	CKC		
									(B-6)			CKOP		Accommodate thermal expansion
SFS to Refueling Cavity/IRWST IC Containment Iso Valve												LT-App. J		
SV4-SFS-PL-V038	2	N	A	A	4"	BU	MO	SV4-SFS-M6-001	C	C	AI	PI (III-3300)		
									(B-5)			STC		
												III-3100		
												III-3300		
SFS to Refueling Cavity/IRWST OC Containment Iso Valve												LT-App. J		
SV4-SFS-PL-V041	3	N	B	A	6"	BU	MA	SV3-SFS-M6-001	LC	C	AI	ETM		
SFS Cask Loading Pit Suction Isolation Valve									(F-1)					
SV4-SFS-PL-V042	3	Y	B	P	6"	BU	MA	SV4-SFS-M6-001	LC	C	AI	ETM		
SFS Cask Loading Pit to Pumps Suction Isolation Valve									(E-3/4)					
SV4-SFS-PL-V045	3	Y	B	P	4"	BU	MA	SV4-SFS-M6-001	LC	C	AI	ETM		
SFS Discharge Line to Cask Loading Pit Isolation Valve									(D-4)					
SV4-SFS-PL-V049	3	Y	B	P	2"	PL	MA	SV4-SFS-M6-001	LC	C	AI	ETM		
SFS Cask Loading Pit Drain to WLS Isolation Valve									(E-2)					

## System: SFS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-SFS-PL-V066	3	N	B	A	2"	BA	MA	SV4-SFS-M6-001	LC	C/O	AI	ETM		
Spent Fuel Pool Boiloff Makeup Isolation Valve									(F-3)					
SV4-SFS-PL-V067	2	N	AC	A	1"	RV	SA	SV4-SFS-M6-001	C	O/C	NA	RVT(I-7150(b))		Verify Vendor setpoint
									(E-6)			RVT(I-7150(c))		Leak tightness per Vendor test
												VE(I-7150(a))		
Refueling Cavity/IRWST to SFS Penetration Relief Valve												LT-App. J		
SV4-SFS-PL-V068	3	N	B	A	4"	BU	MA	SV3-SFS-M6-001	LO	O	AI	ETM		
SFS Cask Washdown Pit Drain Isolation Valve									(F-2)					
SV4-SFS-PL-V071	3	N	C	A	6"	CK	SA	SV4-SFS-M6-001	C	O/C	NA	CKO		
Refueling Cavity/IRWST to SFS Penetration Relief Valve									(E-6)			CKC		
SV4-SFS-PL-V072	3	N	C	A	6"	CK	SA	SV4-SFS-M6-001	C	O/C	NA	CKO		
Refueling Cavity/IRWST to SFS Penetration Relief Valve									(E-6)			CKC		
SV4-SFS-PL-V075	3	N	B	P	20"	BU	MA	SV4-SFS-M6-001	LO	O	AI	PI (ISTC-3700)		
SFS Reactor Cavity Post-Accident Containment Floodup Valve									(G-7)					

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: SGS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-SGS-PL-V027A	2	N	B	A	12"	GL	MO	SV4-SGS-M6-001 (G-2)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
SG 1 PORV Isolation valve														
SV4-SGS-PL-V027B	2	N	B	A	12"	GL	MO	SV4-SGS-M6-002 (G-2)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
SG 2 PORV Isolation valve														
SV4-SGS-PL-V030A	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-001 (G-4/5)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1)) RVT(I-7250(a)(2))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality) Leak tightness verification after set test
SG 1 Safety Valve														
SV4-SGS-PL-V030B	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-002 (G-4/5)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1)) RVT(I-7250(a)(2))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality) Leak tightness verification after set test
SG 2 Safety Valve														
SV4-SGS-PL-V031A	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-001 (G-4)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1)) RVT(I-7250(a)(2))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality) Leak tightness verification after set test
SG 1 Safety Valve														



## System: SGS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-SGS-PL-V031B	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-002 (G-4)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV4-SGS-PL-V032A	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-001 (G-4)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 1 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV4-SGS-PL-V032B	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-002 (G-4)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV4-SGS-PL-V033A	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-001 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 1 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV4-SGS-PL-V033B	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-002 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test

## System: SGS

Valve ID	Valve								-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-SGS-PL-V034A	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-001 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 1 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV4-SGS-PL-V034B	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-002 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV4-SGS-PL-V035A	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-001 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 1 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV4-SGS-PL-V035B	2	N	C	A	8X10"	RV	SA	SV4-SGS-M6-002 (G-3)	C	O/C	NA	VE(I-7150(a)) RVT(I-7150(b)) RVT(I-7150(c)) RVT(I-7250(a)(1))		Verify Vendor setpoint Leak tightness per Vendor test Setpoint verification (due 6m prior to Initial Criticality)
SG 2 Safety Valve												RVT(I-7250(a)(2))		Leak tightness verification after set test
SV4-SGS-PL-V036A	2	N	B	A	2"	GL	AO	SV4-SGS-M6-001 (G-3)	O	C	C	PI (ISTC-3700) STC FST		
SG1 Steam Line Drain Isolation														
SV4-SGS-PL-V036B	2	N	B	A	2"	GL	AO	SV4-SGS-M6-002 (G-3)	O	C	C	PI (ISTC-3700) STC FST		
SG2 Steam Line Drain Isolation														

## System: SGS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-SGS-PL-V040A	2	N	B	A	38"	GA	PH	SV4-SGS-M6-001 (G-1)	O	C	C	PI (ISTC-3700) STC FST		Note 1
<u>SG 1 Main Steam Isolation Valve</u>														
SV4-SGS-PL-V040B	2	N	B	A	38"	GA	PH	SV4-SGS-M6-002 (G-1)	O	C	C	PI (ISTC-3700) STC FST		Note 1
<u>SG 2 Main Steam Isolation Valve</u>														
SV4-SGS-PL-V057A	2	N	B	A	20"	GA	PH	SV4-SGS-M6-001 (E-4)	O	C	C	PI (ISTC-3700) STC FST		Note 1
<u>SG 1 Main Feedwater Isolation Valve</u>														
SV4-SGS-PL-V057B	2	N	B	A	20"	GA	PH	SV4-SGS-M6-002 (E-4)	O	C	C	PI (ISTC-3700) STC FST		Note 1
<u>SG 2 Main Feedwater Isolation Valve</u>														
SV4-SGS-PL-058A	2	N	C	A	20"	CK	SA	SV4-SGS-M6-001 (E-5)	O	C/O	NA	CKOP CKC	Accommodate thermal expansion	
<u>SG1 Main Feed Check Valve</u>														
SV4-SGS-PL-058B	2	N	C	A	20"	CK	SA	SV4-SGS-M6-002 (E-5)	O	C/O	NA	CKOP CKC	Accommodate thermal expansion	
<u>SG2 Main Feed Check Valve</u>														
SV4-SGS-PL-V067A	2	N	B	A	6"	GA	MO	SV4-SGS-M6-001 (D-5)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
<u>SG 1 Startup Feedwater Isolation Valve</u>														
SV4-SGS-PL-V067B	2	N	B	A	6"	GA	MO	SV4-SGS-M6-002 (D-5)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
<u>SG 2 Startup Feedwater Isolation Valve</u>														
SV4-SGS-PL-V074A	2	N	B	A	4"	GL	AO	SV4-SGS-M6-001 (C-5)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 Blowdown Isolation Valve</u>														
SV4-SGS-PL-V074B	2	N	B	A	4"	GL	AO	SV4-SGS-M6-002 (C-5)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 Blowdown Isolation Valve</u>														
SV4-SGS-PL-V075A	3	N	B	A	4"	GL	AO	SV4-SGS-M6-001 (C-5)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 Blowdown Isolation Valve Second-off</u>														

## System: SGS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-SGS-PL-V075B	3	N	B	A	4"	GL	AO	SV4-SGS-M6-002 (C-5)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 Blowdown Isolation Valve Second-off</u>														
SV4-SGS-PL-V086A	3	N	B	A	2"	GL	AO	SV4-SGS-M6-001 (F-3)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG1 Steam Line Drain Level Control</u>														
SV4-SGS-PL-V086B	3	N	B	A	2"	GL	AO	SV4-SGS-M6-002 (F-3)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG2 Steam Line Drain Level Control</u>														
SV4-SGS-PL-V233A	3	N	B	A	12"	GL	AO	SV4-SGS-M6-001 (H-2)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 Power Operated Relief Valve (PORV)</u>														
SV4-SGS-PL-V233B	3	N	B	A	12"	GL	AO	SV4-SGS-M6-002 (H-2)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 Power Operated Relief Valve (PORV)</u>														
SV4-SGS-PL-V240A	2	N	B	A	3"	GL	AO	SV4-SGS-M6-001 (G-1)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 MSIV Bypass Valve</u>														
SV4-SGS-PL-V240B	2	N	B	A	3"	GL	AO	SV4-SGS-M6-002 (G-1)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 MSIV Bypass Valve</u>														
SV4-SGS-PL-V250A	3	N	B	A	20"	GL	AO	SV4-SGS-M6-001 (E-2/3)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 Feedwater Control Valve</u>														
SV4-SGS-PL-V250B	3	N	B	A	20"	GL	AO	SV4-SGS-M6-002 (E-2/3)	O	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 Feedwater Control Valve</u>														
SV4-SGS-PL-V255A	3	N	B	A	6"	GL	AO	SV4-SGS-M6-001 (D-4)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 1 Startup Feedwater Control Valve</u>														
SV4-SGS-PL-V255B	3	N	B	A	6"	GL	AO	SV4-SGS-M6-002 (D-4)	C	C	C	PI (ISTC-3700) STC FST		
<u>SG 2 Startup Feedwater Control Valve</u>														

## System: SGS

Valve ID							Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type		& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-SGS-PL-256A SG1 Startup Feedwater Check Valve	2	N	C	A	6"	CK	SA		SV4-SGS-M6-001 (D-4)	C	O	NA	CKOP CKC		Accommodate thermal expansion
SV4-SGS-PL-256B SG2 Startup Feedwater Check Valve	2	N	C	A	6"	CK	SA		SV4-SGS-M6-002 (D-4)	C	O	NA	CKOP CKC		Accommodate thermal expansion
SV4-SGS-PL-V257A Main Feedwater Thermal Relief	3	N	C	A	1"	RV	SA		SV4-SGS-M6-001 (E-4)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
SV4-SGS-PL-V257B Main Feedwater Thermal Relief	3	N	C	A	1"	RV	SA		SV4-SGS-M6-002 (E-4)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
SV4-SGS-PL-V258A Startup Feedwater Thermal Relief	3	N	C	A	1"	RV	SA		SV4-SGS-M6-001 (D-4)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
SV4-SGS-PL-V258B Startup Feedwater Thermal Relief	3	N	C	A	1"	RV	SA		SV4-SGS-M6-002 (D-4)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test

## Vogle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: VBS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-VBS-PL-V186	3	N	B	A	28"	BU	MO	SV4-VBS-M6-007 (F-6)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Supply Air Isolation Valve														
SV4-VBS-PL-V187	3	N	B	A	28"	BU	MO	SV4-VBS-M6-007 (F-6)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Supply Air Isolation Valve														
SV4-VBS-PL-V188	3	N	B	A	28"	BU	MO	SV4-VBS-M6-007 (C-7)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Return Air Isolation Valve														
SV4-VBS-PL-V189	3	N	B	A	28"	BU	MO	SV4-VBS-M6-007 (C-6)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Return Air Isolation Valve														
SV4-VBS-PL-V190	3	N	B	A	6"	BU	MO	SV4-VBS-M6-007 (C-3)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Toilet Exhaust Isolation Valve														
SV4-VBS-PL-V191	3	N	B	A	6"	BU	MO	SV4-VBS-M6-007 (C-3)	O	C	AI	PI (III-3300) STC III-3100 III-3300		
MCR Toilet Exhaust Isolation Valve														

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: VES

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-VES-PL-V001	3	N	B	A	1"	GL	MA	SV4-VES-M6-002 (D-5)	C	O/C	AI	ETM		
<u>Air Delivery Isolation Valve</u>														
SV4-VES-PL-V005A	3	N	B	A	1"	GL	SO	SV4-VES-M6-002 (F-5)	C	O	O	PI (ISTC-3700) STO FST		
<u>Air Delivery Isolation Valve A</u>														
SV4-VES-PL-V005B	3	N	B	A	1"	GL	SO	SV4-VES-M6-002 (E-5)	C	O	O	PI (ISTC-3700) STO FST		
<u>Air Delivery Isolation Valve B</u>														
SV4-VES-PL-V018	3	N	B	A	1"	GL	MA	SV4-VES-M6-002 (F-5)	C	O/C	AI	ETM		
<u>Temporary Instrumentation-Isolation Valve</u>														
SV4-VES-PL-V019	3	N	B	A	1"	GL	MA	SV4-VES-M6-002 (D-5)	C	O/C	AI	ETM		
<u>Temporary Instrumentation-Isolation Valve</u>														
SV4-VES-PL-V022A	3	N	B	A	4"	BU	AO	SV4-VES-M6-002 (C-2)	C	O	O	PI (ISTC-3700) STO FST		
<u>Pressure Relief Isolation Valve A</u>														
SV4-VES-PL-V022B	3	N	B	A	4"	BU	AO	SV4-VES-M6-002 (C-2)	C	O	O	PI (ISTC-3700) STO FST		
<u>Pressure Relief Isolation Valve B</u>														
SV4-VES-PL-V040A	3	N	C	A	1"	RV	SA	SV4-VES-M6-001 (H-4)	C	O/C	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Air Tank Safety Relief Valve A</u>														
SV4-VES-PL-V040B	3	N	C	A	1"	RV	SA	SV4-VES-M6-001 (F-4)	C	O/C	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Air Tank Safety Relief Valve B</u>														
SV4-VES-PL-V040C	3	N	C	A	1"	RV	SA	SV4-VES-M6-001 (E-4)	C	O/C	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Air Tank Safety Relief Valve C</u>														

## System: VES

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-VES-PL-V040D	3	N	C	A	1"	RV	SA	SV4-VES-M6-001 (C-4)	C	O/C	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Air Tank Safety Relief Valve D</u>														
SV4-VES-PL-V044	3	N	B	A	1"	GL	MA	SV4-VES-M6-002 (F-4)	LO	O/C	AI	ETM		
<u>Eductor Flow Path Isolation Valve</u>														
SV4-VES-PL-V045	3	N	B	A	1"	GL	MA	SV4-VES-M6-002 (E-3)	LO	O/C	AI	ETM		
<u>Eductor Flow Path Isolation Valve</u>														
SV4-VES-PL-V046	3	N	B	A	1"	GL	MA	SV4-VES-M6-002 (D-3)	C	O/C	AI	ETM		
<u>Eductor Bypass Isolation Valve</u>														



# Vogtle Electric Generating Plant – Units 3&4

## Valve Table

Unit 4

System: VFS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-VFS-PL-V003	2	N	A	A	16"	BU	AO	SV4-VFS-M6-001 (B-4)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Purge Inlet Containment Isol - ORC														
SV4-VFS-PL-V004	2	N	A	A	16"	BU	AO	SV4-VFS-M6-001 (B-3)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Purge Inlet Containment Isol - IRC														
SV4-VFS-PL-V009	2	N	A	A	16"	BU	AO	SV4-VFS-M6-001 (D-8)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Purge Discharge Containment Isol- IRC														
SV4-VFS-PL-V010	2	N	A	A	16"	BU	AO	SV4-VFS-M6-001 (D-7)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Purge Discharge Containment Isol- ORC														
SV4-VFS-PL-V800A	2	N	A	A	6"	BU	MO	SV4-VFS-M6-001 (E-7)	C	O/C	AI	PI (III-3300) STC STO III-3100 III-3300 LT-App. J		
Containment Vacuum Relief Isolation Valve A - ORC														
SV4-VFS-PL-V800B	2	N	A	A	6"	BU	MO	SV4-VFS-M6-001 (E-7)	C	O/C	AI	PI (III-3300) STC STO III-3100 III-3300 LT-App. J		
Containment Vacuum Relief Isolation Valve B - ORC														
SV4-VFS-PL-V803A	2	N	AC	A	6"	VB	SA	SV4-VFS-M6-001 (E-7)	C	O/C	NA	VE(I-7170) RVT(I-7270(a)) LT-App. J		Vacuum Relief Actuation to verify open/close Also meets LT requirements of I-7270(b)
Containment Vacuum Relief Valve A – IRC														

## System: VFS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-VFS-PL-V803B	2	N	AC	A	6"	VB	SA	SV4-VFS-M6-001 (E-7)	C	O/C	NA	VE(I-7170) RVT(I-7270(a))		Vacuum Relief Actuation to verify open/close
Containment Vacuum Relief Valve B – IRC												LT-App. J		Also meets LT requirements of I-7270(b)

## Vogtle Electric Generating Plant – Units 3&4

### Valve Table

Unit 4

System: VWS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-VWS-PL-V053	3	N	C	A	2"	RV	SA	SV4-VWS-M6-003 (B-6)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Ctmt Cooling Unit Supply Hdr Relief</u>														
SV4-VWS-PL-V057	3	N	C	A	2"	RV	SA	SV4-VWS-M6-003 (H-4)	C	O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a))		Verify Vendor setpoint Leak tightness per Vendor test
<u>Ctmt Cooling Unit Return Hdr Relief</u>														
SV4-VWS-PL-V058	2	N	A	A	8"	BU	AO	SV4-VWS-M6-003 (B-6)	O	C	C	PI (ISTC-3700) STC FST LT App. J		
<u>Chilled Water Inlet Containment Isolation Valve</u>														
SV4-VWS-PL-V062	2	N	AC	A	8"	CK	SA	SV4-VWS-M6-003 (B-6)	O	C/O	NA	CKC CKOP LT App. J		Accommodate thermal expansion
<u>Fan Coolers Supply IC Isol Check Valve</u>														
SV4-VWS-PL-V080	2	N	AC	A	1"	RV	SA	SV4-VWS-M6-003 (H-4)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT App. J		Verify Vendor setpoint Leak tightness per Vendor test
<u>Ctmt Cooling Unit Return CIV Relief</u>														
SV4-VWS-PL-V082	2	N	A	A	8"	BU	AO	SV4-VWS-M6-003 (G-3)	O	C	C	PI (ISTC-3700) STC FST LT App. J		
<u>Chilled Water Outlet Containment Isolation Valve</u>														
SV4-VWS-PL-V086	2	N	A	A	8"	BU	AO	SV4-VWS-M6-003 (G-3)	O	C	C	PI (ISTC-3700) STC FST LT App. J		
<u>Chilled Water Outlet Containment Isolation Valve</u>														

# Vogtle Electric Generating Plant – Units 3&4

## Valve Table

Unit 4

System: WLS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	Comments/Notes
SV4-WLS-PL-V055	2	N	A	A	2"	PL	AO	SV4-WLS-M6-001 (C-4)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Sump Discharge CIV – IRC														
SV4-WLS-PL-V057	2	N	A	A	2"	PL	AO	SV4-WLS-M6-001 (C-3)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
Containment Sump Discharge CIV – ORC														
SV4-WLS-PL-V058	2	N	AC	A	1"	RV	SA	SV4-WLS-M6-001 (C-4)	C	C/O	NA	RVT(I-7150(b)) RVT(I-7150(c)) VE(I-7150(a)) LT-App. J		Verify Vendor setpoint Leak tightness per Vendor test
Containment Sump Discharge Penetration Thermal Relief														
SV4-WLS-PL-V067	2	N	A	A	1"	GL	AO	SV4-WLS-M6-001 (E-3)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
RCDT Gas Outlet CIV - IRC														
SV4-WLS-PL-V068	2	N	A	A	1"	GL	AO	SV4-WLS-M6-001 (E-3)	C	C	C	PI (ISTC-3700) STC FST LT-App. J		
RCDT Gas Outlet CIV - ORC														
SV4-WLS-PL-V071A	3	N	C	A	4"	CK	SA	SV4-WLS-M6-001 (C-8)	C	O/C	NA	CKO CKC		
CVS Compt Floor Drain Check														
SV4-WLS-PL-V071B	3	N	C	A	4"	CK	SA	SV4-WLS-M6-001 (F-8)	C	O/C	NA	CKO CKC		
PXS Compt A Floor Drain Check														
SV4-WLS-PL-V071C	3	N	C	A	4"	CK	SA	SV4-WLS-M6-001 (F-8)	C	O/C	NA	CKO CKC		
PXS Compt B Floor Drain Check														
SV4-WLS-PL-V072A	3	N	C	A	4"	CK	SA	SV4-WLS-M6-001 (C-7)	C	O/C	NA	CKO CKC		
CVS Compt Floor Drain Check														
SV4-WLS-PL-V072B	3	N	C	A	4"	CK	SA	SV4-WLS-M6-001 (F-8)	C	O/C	NA	CKO CKC		
PXS Compt A Floor Drain Check														

System: WLS

Valve ID						Valve	Actuator	Drawing	-----Position-----			Required		Comments/Notes
Description	Class	Aug.	Cat.	A/P	Size	Type	Type	& Co-ord.	Normal	Safety	Fail-Safe	Test	Alt/CC	
SV4-WLS-PL-V072C	3	N	C	A	4"	CK	SA	SV4-WLS-M6-001	C	O/C	NA	CKO		
PXS Compt B Floor Drain Check								(F-8)				CKC		

## **9.0 PRESERVICE TESTING OF DYNAMIC RESTRAINTS**

### **9.1 GENERAL**

All Dynamic Restraints listed in the Tables of Section 11.0 and 12.0 will receive the following:

- a) A Visual examination meeting the requirements of ISTD-4110;
- b) Testing per ISTD-5120. Note, this testing may have been done at the manufacturer facility as allowed by ISTD-5110;
- c) Thermal movement examinations to meet the requirements of ISTD-4130.
- d) Corrective actions from failures of visual examinations or tests will be performed in accordance with ISTD-4140 or ISTD-5130, as appropriate.

### **9.2 SCHEDULE**

- a) Testing will be performed prior to installation in the system.
- b) Initial Visual Examinations will be performed prior to Hot Functional testing.
- c) Visual reexaminations, if required per ISTD-4120, will be performed in conjunction with Initial Thermal Movement examinations.
- d) Initial Thermal Movement examinations will be performed during Pre-core Hot Functional testing. Any subsequent Thermal Movement examinations will be done during Post-Core Hot Functional testing.

## 10.0 DYNAMIC RESTRAINTS NOTES

None

## 11.0 VEGP-3 DYNAMIC RESTRAINTS TABLES



## Vogtle Electric Generating Plant – Units 3&4

### Dynamic Restraint Table

Unit 3

System: CVS

Snubber ID	Pipe Class	Type	Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
SV3-CVS-PH-11Y0262-NE	3	H	SV3-CVS-PLW-171/D-4		
SV3-CVS-PH-11Y0262-NW	3	H	SV3-CVS-PLW-171/D-4		
SV3-CVS-PH-11Y0268	1	H	SV3-CVS-PLW-188/C-4		
SV3-CVS-PH-11Y2040	1	H	SV3-CVS-PLW-171/C-5		
SV3-CVS-PH-11Y2223	1	H	SV3-CVS-PLW-171/C-5		
SV3-CVS-PH-11Y2224	1	H	SV3-CVS-PLW-171/C-4		
SV3-CVS-PH-11Y2227	3	H	SV3-CVS-PLW-171/C-3		
SV3-CVS-PH-11Y2229	1	H	SV3-CVS-PLW-182/C-6		
SV3-CVS-PH-11Y2263	N	H	SV3-CVS-PLW-091/C-4		
SV3-CVS-PH-11Y2265	N	H	SV3-CVS-PLW-091/B-6		
SV3-CVS-PH-11Y2266	N	H	SV3-CVS-PLW-091/B-6		
SV3-CVS-PH-11Y7074	3	H	SV3-CVS-PLW-187/B-5		

## Vogle Electric Generating Plant – Units 3&4

### Dynamic Restraint Table

Unit 3

System: PXS

Snubber ID	Pipe		Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
	Class	Type			
SV3-PXS-PH-11Y0020	1	H	SV3-PXS-PLW-01Q/C-5		
SV3-PXS-PH-11Y0578	3	H	SV3-PXS-PLW-01Z/C-5		
SV3-PXS-PH-11Y2052	3	H	SV3-PXS-PLW-02E/C-5/6		
SV3-PXS-PH-11Y2057	3	H	SV3-PXS-PLW-015/C-5		
SV3-PXS-PH-11Y2059	3	H	SV3-PXS-PLW-01H/B-6		

## Vogtle Electric Generating Plant – Units 3&4

### Dynamic Restraint Table

Unit 3

System: RCS

Snubber ID	Pipe Class	Type	Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
SV3-RCS-PH-11Y0039	1	H	SV3-RCS-PLW-023/B-5		
SV3-RCS-PH-11Y0060-NE	1	H	SV3-RCS-PLW-023/C-6		
SV3-RCS-PH-11Y0060-NW	1	H	SV3-RCS-PLW-023/C-6		
SV3-RCS-PH-11Y0067	1	H	SV3-RCS-PLW-01L/D-4		
SV3-RCS-PH-11Y0081-SW	1	H	SV3-CVS-PLW-188/D-6		
SV3-RCS-PH-11Y0081-NW	1	H	SV3-CVS-PLW-188/D-6		
SV3-RCS-PH-11Y0082	1	H	SV3-RCS-PLW-028/C-5		
SV3-RCS-PH-11Y0090	1	H	SV3-PXS-PLW-050/C-3		
SV3-RCS-PH-11Y0103	1	H	SV3-RCS-PLW-043/C-4		
SV3-RCS-PH-11Y0112	1	H	SV3-RCS-PLW-016/B-5		
SV3-RCS-PH-11Y0388	1	H	SV3-RCS-PLW-030/D-3		
SV3-RCS-PH-11Y0391	1	H	SV3-RCS-PLW-03D/D-3		
SV3-RCS-PH-11Y0528	1	H	SV3-RCS-PLW-01K/D-6		
SV3-RCS-PH-11Y0810	1	H	SV3-RCS-PLW-080/B-5		
SV3-RCS-PH-11Y0811	1	H	SV3-RCS-PLW-080/B-4		
SV3-RCS-PH-11Y0813	1	H	SV3-RCS-PLW-070/B-4		
SV3-RCS-PH-11Y1127	1	H	SV3-RCS-PLW-021/C-5		
SV3-RCS-PH-11Y1130	1	H	SV3-RCS-PLW-024/C-4		
SV3-RCS-PH-11Y1132	1	H	SV3-RCS-PLW-023/B-5		
SV3-RCS-PH-11Y1134	1	H	SV3-RCS-PLW-023/B-6		
SV3-RCS-PH-11Y1140	1	H	SV3-RCS-PLW-029/B-6		
SV3-RCS-PH-11Y1141	1	H	SV3-RCS-PLW-023/C-6		
SV3-RCS-PH-11Y1144	1	H	SV3-CVS-PLW-182/B-4		
SV3-RCS-PH-11Y2005	1	H	SV3-RCS-PLW-015/C-5		
SV3-RCS-PH-11Y2101	1	H	SV3-RCS-PLW-01F/B-5		

## System: RCS

Snubber ID	Pipe		Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
	Class	Type			
SV3-RCS-PH-11Y2106	1	H	SV3-RCS-PLW-03B/D-3		
SV3-RCS-PH-11Y2107	1	H	SV3-RCS-PLW-03A/D-3		
SV3-RCS-PH-11Y2264	1	H	SV3-RCS-PLW-028/B-6		
SV3-RCS-SS-E03A1	1	H	SV3-PH01-V1-001/G-7 & F-4		
SV3-RCS-SS-E03A2	1	H	SV3-PH01-V1-001/G-7 & F-4		
SV3-RCS-SS-E03B1	1	H	SV3-PH01-V1-001/G-7 & F-4		
SV3-RCS-SS-E03B2	1	H	SV3-PH01-V1-001/G-7 & F-4		

Vogtle Electric Generating Plant – Units 3&4  
Dynamic Restraint Table

Unit 3

System: RNS

Snubber ID	Pipe		Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
	Class	Type			
SV3-RNS-PH-12Y2060	3	H	SV3-RNS-PLW-091/C-6		

## Vogtle Electric Generating Plant – Units 3&4

### Dynamic Restraint Table

Unit 3

System: SGS

Snubber ID	Pipe		Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
	Class	Type			
SV3-SGS-PH-11Y0001	2	H	SV3-SGS-PLW-020/C-7		
SV3-SGS-PH-11Y0002	2	H	SV3-SGS-PLW-020/C-7		
SV3-SGS-PH-11Y0004	2	H	SV3-SGS-PLW-020/C-5		
SV3-SGS-PH-11Y0057	2	H	SV3-SGS-PLW-010/C-4		
SV3-SGS-PH-11Y0058	2	H	SV3-SGS-PLW-010/B-7		
SV3-SGS-PH-11Y0063	2	H	SV3-SGS-PLW-010/B-7		
SV3-SGS-PH-11Y0463-LO	2	H	SV3-SGS-PLW-030/B-6		
SV3-SGS-PH-11Y0463-UP	2	H	SV3-SGS-PLW-030/B-6		
SV3-SGS-PH-11Y0464	2	H	SV3-SGS-PLW-030/A-5		
SV3-SGS-PH-11Y0470	2	H	SV3-SGS-PLW-040/B-6		
SV3-SGS-PH-11Y2002-NW	2	H	SV3-SGS-PLW-030/B/C-6		
SV3-SGS-PH-11Y2002-SW	2	H	SV3-SGS-PLW-030/B/C-6		
SV3-SGS-PH-11Y2021-NW	2	H	SV3-SGS-PLW-030/B-6		
SV3-SGS-PH-11Y2021-NE	2	H	SV3-SGS-PLW-030/B-6		
SV3-SGS-PH-11Y3101	2	H	SV3-SGS-PLW-040/B-5/6		
SV3-SGS-PH-11Y3102	2	H	SV3-SGS-PLW-040/C-6		
SV3-SGS-PH-11Y3121-NW	2	H	SV3-SGS-PLW-040/B-6		
SV3-SGS-PH-11Y3121-NE	2	H	SV3-SGS-PLW-040/B-6		
SV3-SGS-PH-11Y7057	2	H	SV3-SGS-PLW-040/C-6		
SV3-SGS-PH-12Y0108-UP	3	H	SV3-SGS-PLW-140/D-4		
SV3-SGS-PH-12Y0108-DN	3	H	SV3-SGS-PLW-140/D-4		
SV3-SGS-PH-12Y0136-UP	3	H	SV3-SGS-PLW-130/D-4		
SV3-SGS-PH-12Y0136-DN	3	H	SV3-SGS-PLW-130/D-4		
SV3-SGS-PH-12Y0507-UP	2	H	SV3-SGS-PLW-140/C-5		
SV3-SGS-PH-12Y0507-DN	2	H	SV3-SGS-PLW-140/C-5		

## System: SGS

Snubber ID	Pipe		Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
	Class	Type			
SV3-SGS-PH-12Y0510-UP	2	H	SV3-SGS-PLW-130/C-5		
SV3-SGS-PH-12Y0510-DN	2	H	SV3-SGS-PLW-130/C-5		
SV3-SGS-PH-12Y7056	2	H	SV3-SGS-PLW-130/B-6		
SV3-SGS-PH-12Y7058	2	H	SV3-SGS-PLW-140/B-6		

## 12.0 VEGP-4 DYNAMIC RESTRAINTS TABLES



## Vogle Electric Generating Plant – Units 3&4

### Dynamic Restraint Table

Unit 4

System: CVS

Snubber ID	Pipe Class	Type	Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
SV4-CVS-PH-11Y0262-NE	3	H	SV4-CVS-PLW-171/D-4		
SV4-CVS-PH-11Y0262-NW	3	H	SV4-CVS-PLW-171/D-4		
SV4-CVS-PH-11Y0268	1	H	SV4-CVS-PLW-188/C-4		
SV4-CVS-PH-11Y2040	1	H	SV4-CVS-PLW-171/C-5		
SV4-CVS-PH-11Y2223	1	H	SV4-CVS-PLW-171/C-5		
SV4-CVS-PH-11Y2224	1	H	SV4-CVS-PLW-171/C-4		
SV4-CVS-PH-11Y2227	3	H	SV4-CVS-PLW-171/C-3		
SV4-CVS-PH-11Y2229	1	H	SV4-CVS-PLW-182/C-6		
SV4-CVS-PH-11Y2263	N	H	SV4-CVS-PLW-091/C-4		
SV4-CVS-PH-11Y2265	N	H	SV4-CVS-PLW-091/B-6		
SV4-CVS-PH-11Y2266	N	H	SV4-CVS-PLW-091/B-6		
SV4-CVS-PH-11Y7074	3	H	SV4-CVS-PLW-187/B-5		

## Vogle Electric Generating Plant – Units 3&4

### Dynamic Restraint Table

Unit 4

System: PXS

Snubber ID	Pipe		Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
	Class	Type			
SV4-PXS-PH-11Y0020	1	H	SV4-PXS-PLW-01Q/C-5		
SV4-PXS-PH-11Y0578	3	H	SV4-PXS-PLW-01Z/C-5		
SV4-PXS-PH-11Y2052	3	H	SV4-PXS-PLW-02E/C-5/6		
SV4-PXS-PH-11Y2057	3	H	SV4-PXS-PLW-015/C-5		
SV4-PXS-PH-11Y2059	3	H	SV4-PXS-PLW-01H/B-6		

## Vogtle Electric Generating Plant – Units 3&4

### Dynamic Restraint Table

Unit 4

System: RCS

Snubber ID	Pipe Class	Type	Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
SV4-RCS-PH-11Y0039	1	H	SV4-RCS-PLW-023/B-5		
SV4-RCS-PH-11Y0060-NE	1	H	SV4-RCS-PLW-023/C-6		
SV4-RCS-PH-11Y0060-NW	1	H	SV4-RCS-PLW-023/C-6		
SV4-RCS-PH-11Y0067	1	H	SV4-RCS-PLW-01L/D-4		
SV4-RCS-PH-11Y0081-SW	1	H	SV4-CVS-PLW-188/D-6		
SV4-RCS-PH-11Y0081-NW	1	H	SV4-CVS-PLW-188/D-6		
SV4-RCS-PH-11Y0082	1	H	SV4-RCS-PLW-028/C-5		
SV4-RCS-PH-11Y0090	1	H	SV4-PXS-PLW-050/C-3		
SV4-RCS-PH-11Y0103	1	H	SV4-RCS-PLW-043/C-4		
SV4-RCS-PH-11Y0112	1	H	SV4-RCS-PLW-016/B-5		
SV4-RCS-PH-11Y0388	1	H	SV4-RCS-PLW-030/D-3		
SV4-RCS-PH-11Y0391	1	H	SV4-RCS-PLW-03D/D-3		
SV4-RCS-PH-11Y0528	1	H	SV4-RCS-PLW-01K/D-6		
SV4-RCS-PH-11Y0810	1	H	SV4-RCS-PLW-080/B-5		
SV4-RCS-PH-11Y0811	1	H	SV4-RCS-PLW-080/B-4		
SV4-RCS-PH-11Y0813	1	H	SV4-RCS-PLW-070/B-4		
SV4-RCS-PH-11Y1127	1	H	SV4-RCS-PLW-021/C-5		
SV4-RCS-PH-11Y1130	1	H	SV4-RCS-PLW-024/C-4		
SV4-RCS-PH-11Y1132	1	H	SV4-RCS-PLW-023/B-5		
SV4-RCS-PH-11Y1134	1	H	SV4-RCS-PLW-023/B-6		
SV4-RCS-PH-11Y1140	1	H	SV4-RCS-PLW-029/B-6		
SV4-RCS-PH-11Y1141	1	H	SV4-RCS-PLW-023/C-6		
SV4-RCS-PH-11Y1144	1	H	SV4-CVS-PLW-182/B-4		
SV4-RCS-PH-11Y2005	1	H	SV4-RCS-PLW-015/C-5		
SV4-RCS-PH-11Y2101	1	H	SV4-RCS-PLW-01F/B-5		

## System: RCS

Snubber ID	Pipe		Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
	Class	Type			
SV4-RCS-PH-11Y2106	1	H	SV4-RCS-PLW-03B/D-3		
SV4-RCS-PH-11Y2107	1	H	SV4-RCS-PLW-03A/D-3		
SV4-RCS-PH-11Y2264	1	H	SV4-RCS-PLW-028/B-6		
SV4-RCS-SS-E03A1	1	H	SV4-PH01-V1-001/G-7 & F-4		
SV4-RCS-SS-E03A2	1	H	SV4-PH01-V1-001/G-7 & F-4		
SV4-RCS-SS-E03B1	1	H	SV4-PH01-V1-001/G-7 & F-4		
SV4-RCS-SS-E03B2	1	H	SV4-PH01-V1-001/G-7 & F-4		

**Vogtle Electric Generating Plant – Units 3&4**  
**Dynamic Restraint Table**

Unit 4

System: RNS

Snubber ID	Pipe Class	Type	Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
SV4-RNS-PH-12Y2060	3	H	SV4-RNS-PLW-091/C-6		

## Vogtle Electric Generating Plant – Units 3&4

### Dynamic Restraint Table

Unit 4

System: SGS

Snubber ID	Pipe Class	Type	Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
SV4-SGS-PH-11Y0001	2	H	SV4-SGS-PLW-020/C-7		
SV4-SGS-PH-11Y0002	2	H	SV4-SGS-PLW-020/C-7		
SV4-SGS-PH-11Y0004	2	H	SV4-SGS-PLW-020/C-5		
SV4-SGS-PH-11Y0057	2	H	SV4-SGS-PLW-010/C-4		
SV4-SGS-PH-11Y0058	2	H	SV4-SGS-PLW-010/B-7		
SV4-SGS-PH-11Y0063	2	H	SV4-SGS-PLW-010/B-7		
SV4-SGS-PH-11Y0463-LO	2	H	SV4-SGS-PLW-030/B-6		
SV4-SGS-PH-11Y0463-UP	2	H	SV4-SGS-PLW-030/B-6		
SV4-SGS-PH-11Y0464	2	H	SV4-SGS-PLW-030/A-5		
SV4-SGS-PH-11Y0470	2	H	SV4-SGS-PLW-040/B-6		
SV4-SGS-PH-11Y2002-NW	2	H	SV4-SGS-PLW-030/B/C-6		
SV4-SGS-PH-11Y2002-SW	2	H	SV4-SGS-PLW-030/B/C-6		
SV4-SGS-PH-11Y2021-NW	2	H	SV4-SGS-PLW-030/B-6		
SV4-SGS-PH-11Y2021-NE	2	H	SV4-SGS-PLW-030/B-6		
SV4-SGS-PH-11Y3101	2	H	SV4-SGS-PLW-040/B-5/6		
SV4-SGS-PH-11Y3102	2	H	SV4-SGS-PLW-040/C-6		
SV4-SGS-PH-11Y3121-NW	2	H	SV4-SGS-PLW-040/B-6		
SV4-SGS-PH-11Y3121-NE	2	H	SV4-SGS-PLW-040/B-6		
SV4-SGS-PH-11Y7057	2	H	SV4-SGS-PLW-040/C-6		
SV4-SGS-PH-12Y0108-UP	3	H	SV4-SGS-PLW-140/D-4		
SV4-SGS-PH-12Y0108-DN	3	H	SV4-SGS-PLW-140/D-4		
SV4-SGS-PH-12Y0136-UP	3	H	SV4-SGS-PLW-130/D-4		
SV4-SGS-PH-12Y0136-DN	3	H	SV4-SGS-PLW-130/D-4		
SV4-SGS-PH-12Y0507-UP	2	H	SV4-SGS-PLW-140/C-5		
SV4-SGS-PH-12Y0507-DN	2	H	SV4-SGS-PLW-140/C-5		

## System: SGS

Snubber ID	Pipe		Iso. Drawing/Co-ord	Alt/CC	Comments/Notes
	Class	Type			
SV4-SGS-PH-12Y0510-UP	2	H	SV4-SGS-PLW-130/C-5		
SV4-SGS-PH-12Y0510-DN	2	H	SV4-SGS-PLW-130/C-5		
SV4-SGS-PH-12Y7056	2	H	SV4-SGS-PLW-130/B-6		
SV4-SGS-PH-12Y7058	2	H	SV4-SGS-PLW-140/B-6		

## 13.0 REFERENCE LIST

### 13.1 General References

- 13.1.1 ASME Operation and Maintenance of Nuclear Power Plants Code, 2012 Edition (ASME OM-2012)
- 13.1.2 Vogtle 3&4 Updated Final Safety Analysis Report, Revision 10.1
- 13.1.3 Appendix A, Vogtle Electric Generating Plant, Units 3 and 4 Technical Specifications, Amendment 72 (Unit 3), Amendment 71 (Unit 4).
- 13.1.4 LDCR-2017-070, Main Control Room Emergency Habitability System (VES) Changes to Satisfy Post-Actuation Performance Requirements (LAR-17-001) [Design Change Package, APP-GW-GEE-4733, Revision 0]
- 13.1.5 Corrective Action Request 50001849
- 13.1.6 Letter from Peter C. Hearn (NRC) to Brian H. Whitley (SNC), Subject: "VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4 — REQUEST FOR ALTERNATIVE: ALTERNATIVE REQUIREMENT FOR PRESERVICE TESTING OF EXPLOSIVELY ACTIVATED VALVES (VEGP 3 & 4-PST-ALT-01) (EPID NO. L-2018-LLA-0498)", dated 3/26/2019
- 13.1.7 Letter from Peter C. Hearn (NRC) to Brian H. Whitley (SNC), Subject: "VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4 — REQUEST FOR ALTERNATIVE: ALTERNATIVE REQUIREMENT FOR PRESERVICE TESTING OF CLASS 1 SAFETY VALVES (VEGP 3 & 4-PST-ALT-02) (EPID L-2019-LLR-0025)", dated 5/28/2019
- 13.1.8 LDCR-2021-001, Changes Required to Close Out As-Designed ASME Section III Overpressure Protection Reports, APP-FSAR-GEF-171, Rev. 0.
- 13.1.9 CAR 80003783, "TS SR 3.7.9.6 Disconnect with IST Program."

### 13.2 System Specification Documents

- 13.2.1 SV3-CAS-M3-001, AP1000 Compressed and Instrument Air System (CAS) - System Specification Document, Revision 0 [APP-CAS-M3-001, Rev. 2]
- 13.2.2 APP-CCS-M3-001, AP1000 Component Cooling Water-System Description Document, Revision 4
- 13.2.3 APP-CVS-M3-001, AP1000 Chemical and Volume Control System (CVS) System Specification Document, Revision 7
- 13.2.4 APP-DWS-M3-001, Demineralized Water Transfer and Storage System (DWS), System Specification Document, Revision 0
- 13.2.5 APP-FHS-M3-001, AP1000 Fuel Handling System - System Specification Document, Revision 3
- 13.2.6 APP-FPS-M3-001, AP1000 Fire Protection System - System Specification Document, Revision E
- 13.2.7 APP-MSS-M3-001, AP1000 Main Steam System Specification Document, Revision 3
- 13.2.8 APP-MTS-M3-001, AP1000 Main Turbine System - System Specification Document, Revision 4
- 13.2.9 APP-PCS-M3-001, Passive Containment Cooling System - System Specification Document, Revision 7
- 13.2.10 APP-PSS-M3-001, AP1000 Primary Sampling System - System Specification Document, Revision 5
- 13.2.11 APP-PWS-M3-001, AP1000 Potable Water System (PWS) - System Specification Document, Revision 1



- 13.2.12 APP-PXS-M3-001, Passive Core Cooling System, System Specification Document, Revision 10
- 13.2.13 APP-RCS-M3-001, Reactor Coolant System, System Specification Document, Revision 12
- 13.2.14 APP-RNS-M3-001, Normal Residual Heat Removal System - System Specification Document, Revision 5
- 13.2.15 APP-SDS-M3-001, Sanitary Drainage System (SDS) System Specification Document, Revision 1
- 13.2.16 APP-SFS-M3-001, AP1000 Spent Fuel Pool Cooling System - System Specification Document, Revision 7
- 13.2.17 APP-SGS-M3-001, Steam Generator System (SGS) System Specification Document, Revision 7
- 13.2.18 APP-VBS-M3-001, Nuclear Island Nonradioactive Ventilation System, System Specification Document, Revision D
- 13.2.19 APP-VES-M3-001, AP1000 Main Control Room Emergency Habitability System (VES), System Specification Document, Revision 4
- 13.2.20 APP-VFS-M3-001, Containment Air Filtration System, System Specification Document, Revision 0
- 13.2.21 APP-VUS-M3-001, AP1000 Containment Leak Rate Test System - System Specification Document, Revision 2
- 13.2.22 APP-VWS-M3-001, Central Chilled Water System System Specification Document, Revision D
- 13.2.23 APP-WLS-M3-001, AP1000 Plant Liquid Radwaste System - System Specification Document, Revision 8
- 13.3 Piping and Instrumentation Diagrams
  - 13.3.1 SV3-CAS-M6-005, Revision 3
  - 13.3.2 SV3-CAS-M6-012, Revision 3
  - 13.3.3 SV3-CCS-M6-002, Revision 5
  - 13.3.4 SV3-CVS-M6-001, Revision 6
  - 13.3.5 SV3-CVS-M6-003, Revision 6
  - 13.3.6 SV3-CVS-M6-004, Revision 5
  - 13.3.7 SV3-CVS-M6-005, Revision 3
  - 13.3.8 SV3-DWS-M6-007, Revision 2
  - 13.3.9 SV3-FPS-M6-004, Revision 6
  - 13.3.10 SV3-MSS-M6-001, Revision 1
  - 13.3.11 SV3-MTS-M6-002, Revision 4
  - 13.3.12 SV3-PCS-M6-001, Revision 5
  - 13.3.13 SV3-PCS-M6-002, Revision 6
  - 13.3.14 SV3-PCS-M6-003, Revision 2
  - 13.3.15 SV3-PSS-M6-001, Revision 5
  - 13.3.16 SV3-PWS-M6-002, Revision 5
  - 13.3.17 SV3-PXS-M6-001, Revision 3
  - 13.3.18 SV3-PXS-M6-002, Revision 5
  - 13.3.19 SV3-PXS-M6-003, Revision 4
  - 13.3.20 SV3-PXS-M6-004, Revision 2
  - 13.3.21 SV3-PXS-M6-005, Revision 0
  - 13.3.22 SV3-RCS-M6-001, Revision 5

13.3.23 SV3-RCS-M6-002, Revision 7  
13.3.24 SV3-RCS-M6-003, Revision 4  
13.3.25 SV3-RCS-M6-004, Revision 4  
13.3.26 SV3-RCS-M6-005, Revision 1  
13.3.27 SV3-RNS-M6-001, Revision 4  
13.3.28 SV3-SDS-M6-001, Revision 2  
13.3.29 SV3-SFS-M6-001, Revision 6  
13.3.30 SV3-SGS-M6-001, Revision 6  
13.3.31 SV3-SGS-M6-002, Revision 6  
13.3.32 SV3-VBS-M6-002, Revision 6  
13.3.33 SV3-VBS-M6-007, Revision 8  
13.3.34 SV3-VES-M6-001, Revision 1  
13.3.35 SV3-VES-M6-002, Revision 4  
13.3.36 SV3-VFS-M6-001, Revision 6  
13.3.37 SV3-VUS-M6-001, Revision 2  
13.3.38 SV3-VWS-M6-003, Revision 3  
13.3.39 SV3-WLS-M6-001, Revision 3  
13.3.40 SV3-WLS-M6-007, Revision 5  
13.3.41 SV4-CAS-M6-005, Revision 4  
13.3.42 SV4-CAS-M6-012, Revision 4  
13.3.43 SV4-CCS-M6-002, Revision 5  
13.3.44 SV4-CVS-M6-001, Revision 5  
13.3.45 SV4-CVS-M6-003, Revision 5  
13.3.46 SV4-CVS-M6-004, Revision 4  
13.3.47 SV4-CVS-M6-005, Revision 3  
13.3.48 SV4-DWS-M6-007, Revision 2  
13.3.49 SV4-FPS-M6-004, Revision 6  
13.3.50 SV4-MSS-M6-001, Revision 1  
13.3.51 SV4-MTS-M6-002, Revision 4  
13.3.52 SV4-PCS-M6-001, Revision 5  
13.3.53 SV4-PCS-M6-002, Revision 6  
13.3.54 SV4-PCS-M6-003, Revision 2  
13.3.55 SV4-PSS-M6-001, Revision 5  
13.3.56 SV4-PWS-M6-002, Revision 5  
13.3.57 SV4-PXS-M6-001, Revision 4  
13.3.58 SV4-PXS-M6-002, Revision 6  
13.3.59 SV4-PXS-M6-003, Revision 4  
13.3.60 SV4-PXS-M6-004, Revision 2  
13.3.61 SV4-PXS-M6-005, Revision 0  
13.3.62 SV4-RCS-M6-001, Revision 6  
13.3.63 SV4-RCS-M6-002, Revision 7  
13.3.64 SV4-RCS-M6-003, Revision 4  
13.3.65 SV4-RCS-M6-004, Revision 4  
13.3.66 SV4-RNS-M6-001, Revision 4  
13.3.67 SV4-SDS-M6-001, Revision 2  
13.3.68 SV4-SFS-M6-001, Revision 6

- 13.3.69 SV4-SGS-M6-001, Revision 6
- 13.3.70 SV4-SGS-M6-002, Revision 6
- 13.3.71 SV4-VBS-M6-002, Revision 6
- 13.3.72 SV4-VBS-M6-007, Revision 8
- 13.3.73 SV4-VES-M6-001, Revision 1
- 13.3.74 SV4-VES-M6-002, Revision 4
- 13.3.75 SV4-VFS-M6-001, Revision 6
- 13.3.76 SV4-VUS-M6-001, Revision 2
- 13.3.77 SV4-VWS-M6-003, Revision 3
- 13.3.78 SV4-WLS-M6-001, Revision 2
- 13.3.79 SV4-WLS-M6-007, Revision 4