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February 16, 2001

LCV-1502

Docket Nos.: 50-424
50-425

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Ladies and Gentlemen:

**VOGTLE ELECTRIC GENERATING PLANT
REVISIONS TO THE SECOND TEN-YEAR PUMP
AND VALVE INSERVICE TESTING PROGRAMS**

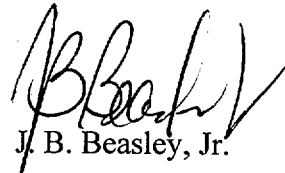
Enclosed herein are revisions to the Vogtle Electric Generating Plant (VEGP), Units 1 and 2, Second Ten-Year (STY) Pump and Valve Inservice Testing (IST) Programs. The Pump IST Program revision incorporates the deletion of differential pressure indicators in the Nuclear Service Cooling Water (NSCW) system, the addition of pressure gauges and flow orifices in the Chemical Volume and Control System (CVCS), and the change from a positive displacement pump to a centrifugal normal charging pump in the CVCS system. The Valve IST Program revision incorporates a change in valve type from gate to globe for valve 1HV-5106, the addition of normal charging pump discharge check valves 1-1208-U6-129 and 2-1208-U6-129 to the program for valve closure requirements, and a correction to Refueling Outage Justification (ROJ)-14 which changes the description in the Alternate Testing paragraph from "relief request" to "ROJ." Because the program revisions are in compliance with the American Society of Mechanical Engineers (ASME) Operations & Maintenance (OM) Code approved for use in the VEGP IST Program, NRC review and approval of the enclosed revisions is not considered necessary. The revised pages of the VEGP Units 1 and 2 IST Program documents are being provided to the NRC for the purpose of updating its copy of the program documents.

A047

U. S. Nuclear Regulatory Commission
LCV-1502
Page Two

Should there be any questions in this regard, please contact this office.

Sincerely,



J. B. Beasley, Jr.

JBB/JAE/CAG/

Enclosures: 1. VEGP-1 & 2 STY Pump IST Program, Revision 2 Effective Pages
2. VEGP-1 & 2 STY Valve IST Program, Revision 3 Effective Pages

xc: Southern Nuclear Operating Company
Mr. W. L. Burmeister (w/o enclosures)
Mr. J. T. Gasser (w/o enclosures)
Mr. M. Sheibani (w/enclosures)
SNC Document Management (w/enclosures)

U. S. Nuclear Regulatory Commission
Mr. R. R. Assa, Project Manager, NRR (w/enclosures)
Mr. L. A. Reyes, Regional Administrator (w/enclosures)
Mr. J. Zeiler, Senior Resident Inspector, Vogtle (w/enclosures)

ENCLOSURE 1
TO
SOUTHERN NUCLEAR OPERATING COMPANY
LETTER LCV-1502

VOGTLE ELECTRIC GENERATING PLANT, UNITS 1 AND 2
SECOND TEN-YEAR PUMP INSERVICE TESTING PROGRAMS
EFFECTIVE PAGES

(30 pages)

VOGTLE ELECTRIC GENERATING PLANT

UNITS 1 & 2

SECOND 10 -YEAR INTERVAL

PUMP INSERVICE TEST PROGRAM

R E V	DATE	DESCRIPTION	ITS PREP'D BY	ITS REV'D BY	ITS APPV'D BY	VNMS APPV'D BY
0	12/06/96	INITIAL ISSUE TO VEGP FOR REVIEW & APPROVAL.	DMS	WDM	DMS	TVG
1	12/09/97	Deleted RR-P-1	JCM	DMS	DMS	TVG
2	11/15/00	Updated per PCR-97-001, 97-002, 98-002 and revised P&ID's	JCM	JMA	ARM	<i>[Signature]</i> TB

VEGP IST APPROVAL	
IST Engr:	<i>[Signature]</i> R Wesley 12/7/00
Engr. Supv:	<i>[Signature]</i> S. Perry 12/19/00
Mgr. Engr:	<i>[Signature]</i> W. Brumby 12-20-00
ANII:	<i>[Signature]</i> M. B. Chapman 1-25-01
PRB: Mtg. No:	2001-04
Date:	Jan 19, 2001
Gen. Mgr:	<i>[Signature]</i> J. T. Dan

Summary of Changes for Revision 2 of Second 10-Year Pump IST Program

1. The Active Page List was revised to reflect revision changes.
2. The Distribution List was revised to indicate new manual holders.
3. ISI-D201, 202, 203, 204, 205, 206, 207, and 208 were revised per PCR-97-001.
4. Page 7-2 was revised to line up Vibration Amplitude under proper headings.
5. On ISI-D-215 and 216, PI-00734 and 0735 were added to agree with P&ID 1X4DB121, Rev. 32.
6. On ISI-D-221 and 222, the PD pump was changed to a centrifugal pump, and PI-8474 and 8475 were added to agree with P&ID 1X4DB116-2, Rev. 26.
7. ISI-D-250, 251, 252, 253, 254, 255, 256, and 257 were revised per PCR-97-002.
8. On ISI-D-264 and 265, PI-0734 and 0735 were added to agree with P&ID 2X4DB121, Rev. 38.
9. On ISI-D-270 and 271, the PD pump was changed to a centrifugal pump to agree with P&ID 2X4DB116-2, Rev. 24. PI-8474 and 8475 were added per PCR-98-002.

ACTIVE PAGE LIST

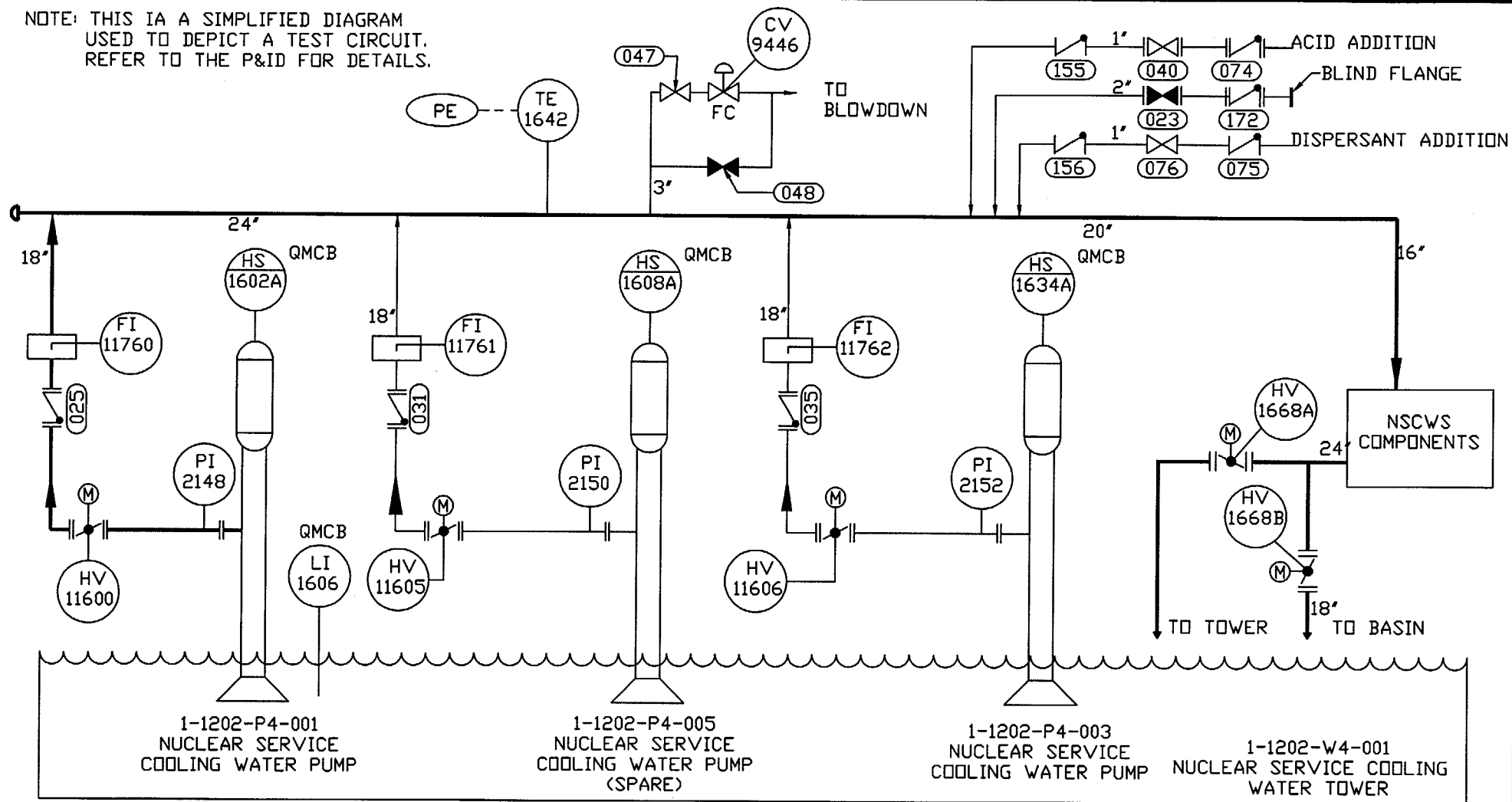
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1 - 2	0	6 - 7	0
2 - 1	0	ISI-D-209	2
2 - 2	0	ISI-D-210	2
3 - 1	0	ISI-D-211	2
3 - 2	0	ISI-D-212	2
3 - 3	0	ISI-D-213	2
3 - 4	0	ISI-D-214	2
3 - 5	0	7 - 1	0
3 - 6	0	7 - 2	2
3 - 7	0	7 - 3	0
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3 - 9	0	ISI-D-216	4
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4 - 2	0	8 - 2	0
4 - 3	0	8 - 3	0
4 - 4	0	ISI-D-217	6
4 - 5	0	ISI-D-218	6
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4 - 7	0	9 - 2	0
4 - 8	0	9 - 3	0
5 - 1	0	ISI-D-219	3
5 - 2	0	ISI-D-220	3
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5 - 4	0	10 - 2	0
5 - 5	0	10 - 3	0
5 - 6	0	ISI-D-221	6
5 - 7	0	ISI-D-222	6
5 - 8	0	11 - 1	0
5 - 9	0	11 - 2	1
5 - 10	0	11 - 3	1
ISI-D-201	3	ISI-D-228	3
ISI-D-202	3	ISI-D-229	3
ISI-D-203	3	12 - 1	0
ISI-D-204	3	12 - 2	0
ISI-D-205	3	12 - 3	0
ISI-D-206	3	12 - 4	0
ISI-D-207	4	12 - 5	0
ISI-D-208	4	12 - 6	0
6 - 1	0	ISI-D-223	2
6 - 2	0	ISI-D-224	2
6 - 3	0	ISI-D-225	2
6 - 4	0	13 - 1	0
6 - 5	0	13 - 2	0

<u>Page No.</u>	<u>Rev. No.</u>	<u>Page No.</u>	<u>Rev. No.</u>
13 - 3	0	ISI-D-264	3
ISI-D-226	3	ISI-D-265	3
ISI-D-227	3	18 - 1	0
14 - 1	0	18 - 2	0
14 - 2	0	18 - 3	0
14 - 3	0	ISI-D-266	3
14 - 4	0	ISI-D-267	3
14 - 5	0	19 - 1	0
14 - 6	1	19 - 2	0
14 - 7	0	19 - 3	0
14 - 8	0	ISI-D-268	4
15 - 1	0	ISI-D-269	4
15 - 2	0	20 - 1	0
15 - 3	0	20 - 2	0
15 - 4	0	20 - 3	0
15 - 5	0	ISI-D-270	6
15 - 6	0	ISI-D-271	6
15 - 7	0	21 - 1	0
15 - 9	0	21 - 2	1
15 - 8	0	21 - 3	1
15 - 10	0	ISI-D-277	2
ISI-D-250	3	ISI-D-278	2
ISI-D-251	3	22 - 1	0
ISI-D-252	3	22 - 2	0
ISI-D-253	3	22 - 3	0
ISI-D-254	3	22 - 4	0
ISI-D-255	3	22 - 5	0
ISI-D-256	4	22 - 6	0
ISI-D-257	4	ISI-D-272	2
16 - 1	0	ISI-D-273	2
16 - 2	0	ISI-D-274	2
16 - 3	0	23 - 1	0
16 - 4	0	23 - 2	0
16 - 5	0	23 - 3	0
16 - 6	0	ISI-D-275	3
16 - 7	0	ISI-D-276	3
ISI-D-258	2	24 - 1	1
ISI-D-259	2	24 - 2	1
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ISI-D-261	2	24 - 4	0
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DISTRIBUTION LIST

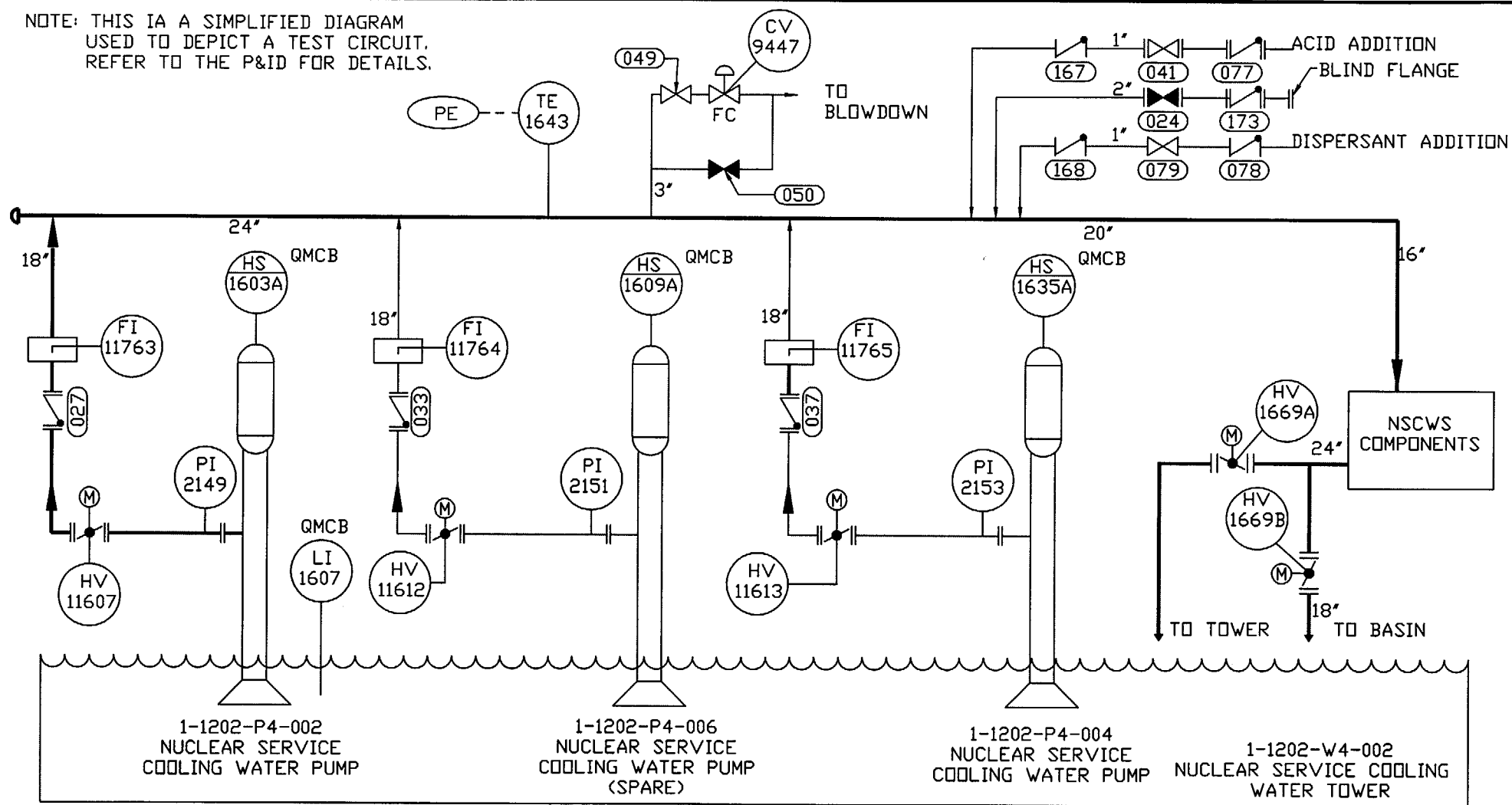
<u>HOLDER</u>	<u>MANUAL NUMBER</u>
Stephen W. Ashworth (SCS)	1
Ashleigh R. Wesley	2
J. John Churchwell	3
SNC Site Document Control Supervisor	4
SNC Site Performance Supervisor	5
Charles A. Griffin	6
J. Craig McWhorter	7
ITS Department Shelf Copy	8
VEGP Resident NRC Inspector	9

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS.



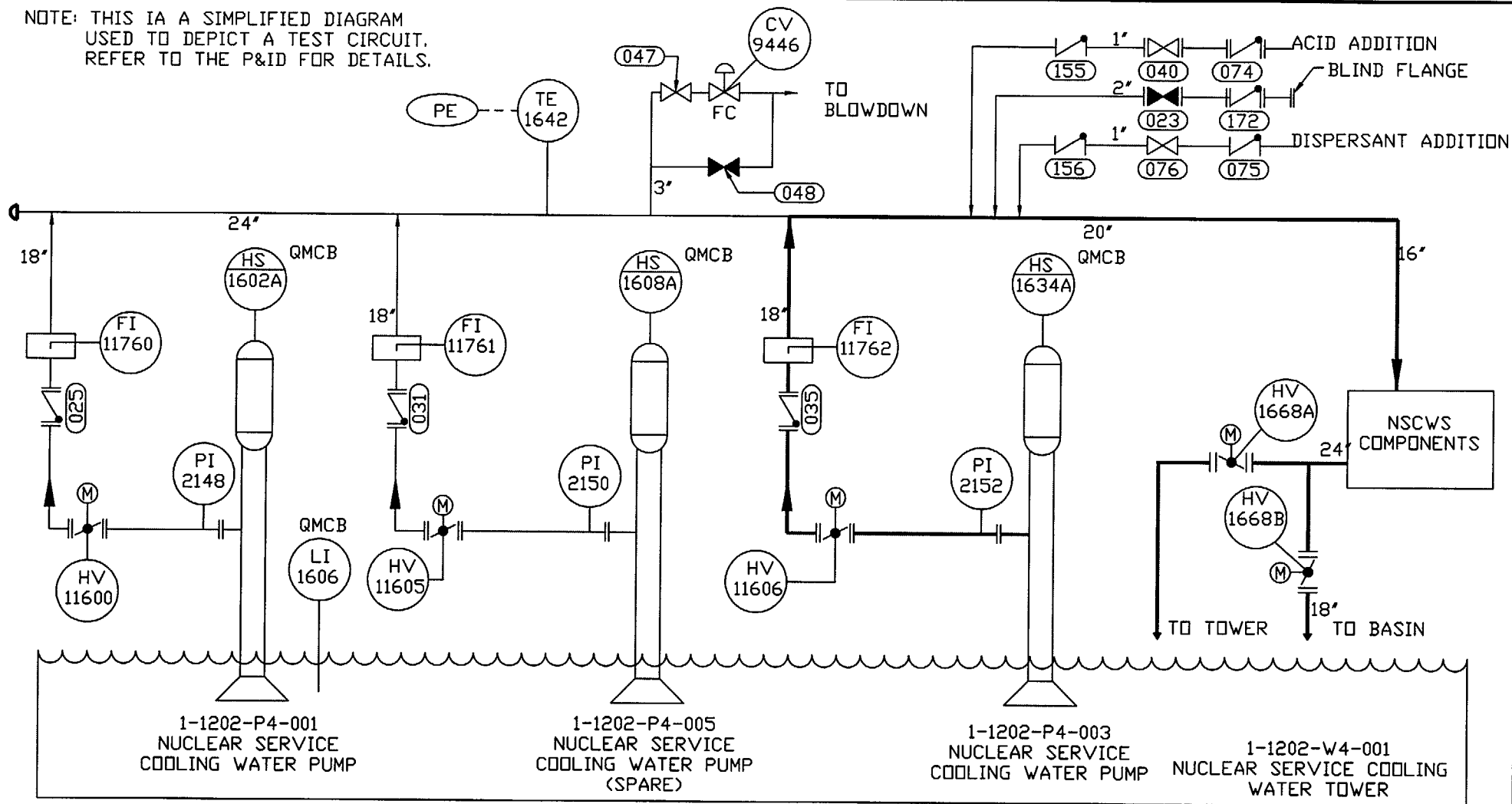
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1	7-24-86	CSB	CVD	UPDATE TO REV 16 OF 1X4DB133-1	JJC					
2	12-2-96	JVB	DMS	REDRAWN IN ACAD13	DMS					
3	11-15-00	JCH	JMA	UPDATED PER PCR-97-001	JCH					
Southern Company Services, Inc. FOR Southern Nuclear Operating Company										
VOGTLE ELECTRIC GENERATING PLANT UNIT 1										
				DESIGNED	FT	DRAWN		DRC		
				TYPED		CHECKED		WS		
				SCALE	NONE	CONTINUED ON SHEET				
						PROJ.L.D.	DRAWING NUMBER	SHEET	REV.	
						N/A	N/A	ISI-D- 201	1 OF 1	3

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS.



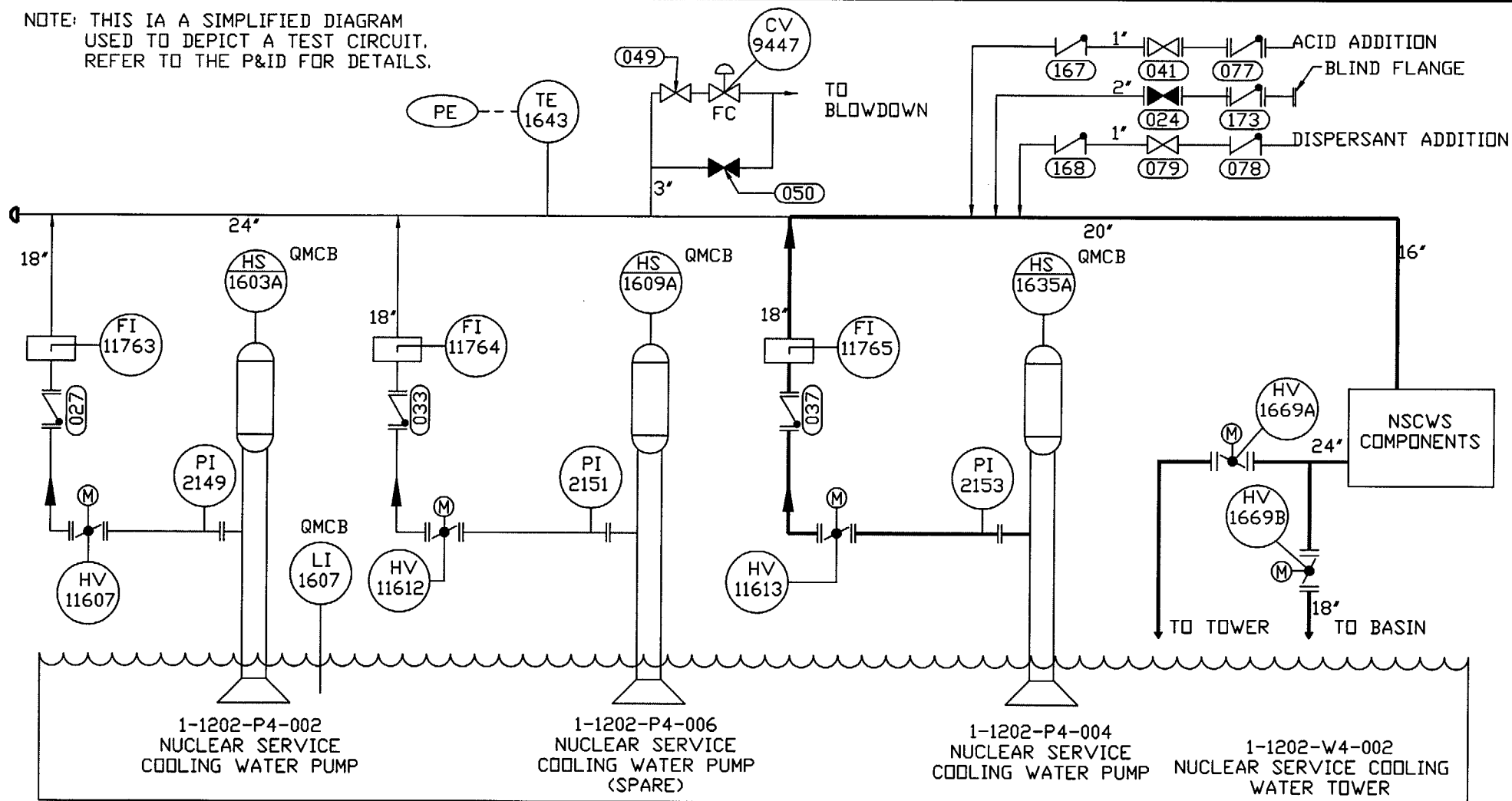
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0	5-24-84	BGS	VS	ISSUED FOR PST	FT					
1	7-24-86	CSB	CVD	UPDATE TO REV 18 OF 1X4DB133-2	JJC					
2	12-2-96	JWB	DMS	REDRAWN IN ACAD13	DMS					
3	11-15-00	JCH	JMA	UPDATED PER PCR-97-001	JCH					
Southern Company Services, Inc. FOR Southern Nuclear Operating Company										
VOGTLE ELECTRIC GENERATING PLANT UNIT 1										
PUMP INSERVICE TESTING LOOP FOR NUCLEAR SERVICE COOLING WATER PUMP 1-1202-P4-002										
				DESIGNED	FT	DRAWN				
				TYPED		CHECKED				
				SCALE	NONE	CONTINUED ON SHEET				
				PROJ.L.D.		DRAWING NUMBER		SHEET	REV.	
				N/A		N/A		ISI-D- 202	1 OF 1	3

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS.



REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	5-24-84	BGS	VS	ISSUED FOR PST	FT					
1	7-24-86	CSB	CVD	UPDATE TO REV 16 OF 1X4DB133-1	JJC					
2	12-2-96	JVB	DMS	REDRAWN IN ACAD13	DMS					
3	11-15-00	JCH	JMA	UPDATED PER PCR-97-001	JCH					
Southern Company Services, Inc. FOR Southern Nuclear Operating Company										
VOGTLE ELECTRIC GENERATING PLANT UNIT 1										
PUMP INSERVICE TESTING LOOP FOR NUCLEAR SERVICE COOLING WATER PUMP 1-1202-P4-003										
				DESIGNED	FT	DRAWN		DRC		
				TYPED		CHECKED		VS		
				SCALE	NONE			CONTINUED ON SHEET		
					PROJ.1.D	DRAWING NUMBER		SHEET	REV.	
				N/A	N/A	ISI-D- 203		1 OF 1	3	

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS.



REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	5-24-84	BGS	VS	ISSUED FOR PST	FT					
1	7-24-86	CSB	CVD	UPDATE TO REV 18 OF 1X4DB133-2	JJC					
2	12-2-96	JVB	DMS	REDRAWN IN ACAD13	DMS					
3	11-15-00	JCH	JMA	UPDATED PER PCR-97-001	JCH					
Southern Company Services, Inc. FOR Southern Nuclear Operating Company										
VOGTLE ELECTRIC GENERATING PLANT UNIT 1										
PUMP INSERVICE TESTING LOOP FOR NUCLEAR SERVICE COOLING WATER PUMP 1-1202-P4-004										
				DESIGNED FT	DRAWN DRC					
				TYPED	CHECKED VS					
				SCALE NONE	CONTINUED ON SHEET					
					PROJ.LD.	DRAWING NUMBER		SHEET	REV.	
				N/A	N/A	ISI-D- 204		1 OF 1	3	

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS.

PE --- TE 1642

CV 9446

047

FC

TO BLOWDOWN

048

1' 155 040 074 ACID ADDITION

2' 023 172 BLIND FLANGE

1' 156 076 075 DISPERSANT ADDITION

18" 24" 18" 18" 20" 16"

HS 1602A QMCB

FI 11760

025

PI 2148

QMCB

LI 1606

HV 11600

1-1202-P4-001 NUCLEAR SERVICE COOLING WATER PUMP

18" 18" 18" 18" 20" 16"

HS 1608A QMCB

FI 11761

031

PI 2150

QMCB

HV 11605

1-1202-P4-005 NUCLEAR SERVICE COOLING WATER PUMP (SPARE)

18" 18" 18" 18" 20" 16"

HS 1634A QMCB

FI 11762

035

PI 2152

HV 11606

1-1202-P4-003 NUCLEAR SERVICE COOLING WATER PUMP

24" 18"

HV 1668A

HV 1668B

NSCWS COMPONENTS

TO TOWER

TO BASIN

1-1202-W4-001 NUCLEAR SERVICE COOLING WATER TOWER

[illegible]

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS.

PE TV 1643

CV 9447

TO BLOWDOWN

049

FC

050

1' 2' 1'

167 041 077

168 079 078

ACID ADDITION

BLIND FLANGE

DISPERSANT ADDITION

18" 24" 18" 20" 16"

HS 1603A QMCB

FI 11763

PI 2149

HV 11607

LI 1607

1-1202-P4-002
NUCLEAR SERVICE
COOLING WATER PUMP

18" 18" 18"

FI 11764

PI 2151

HV 11612

1-1202-P4-006
NUCLEAR SERVICE
COOLING WATER PUMP
(SPARE)

HS 1609A QMCB

FI 11765

PI 2153

HV 11613

1-1202-P4-004
NUCLEAR SERVICE
COOLING WATER PUMP

HS 1635A QMCB

HV 1669A

HV 1669B

24" 18"

TO TOWER

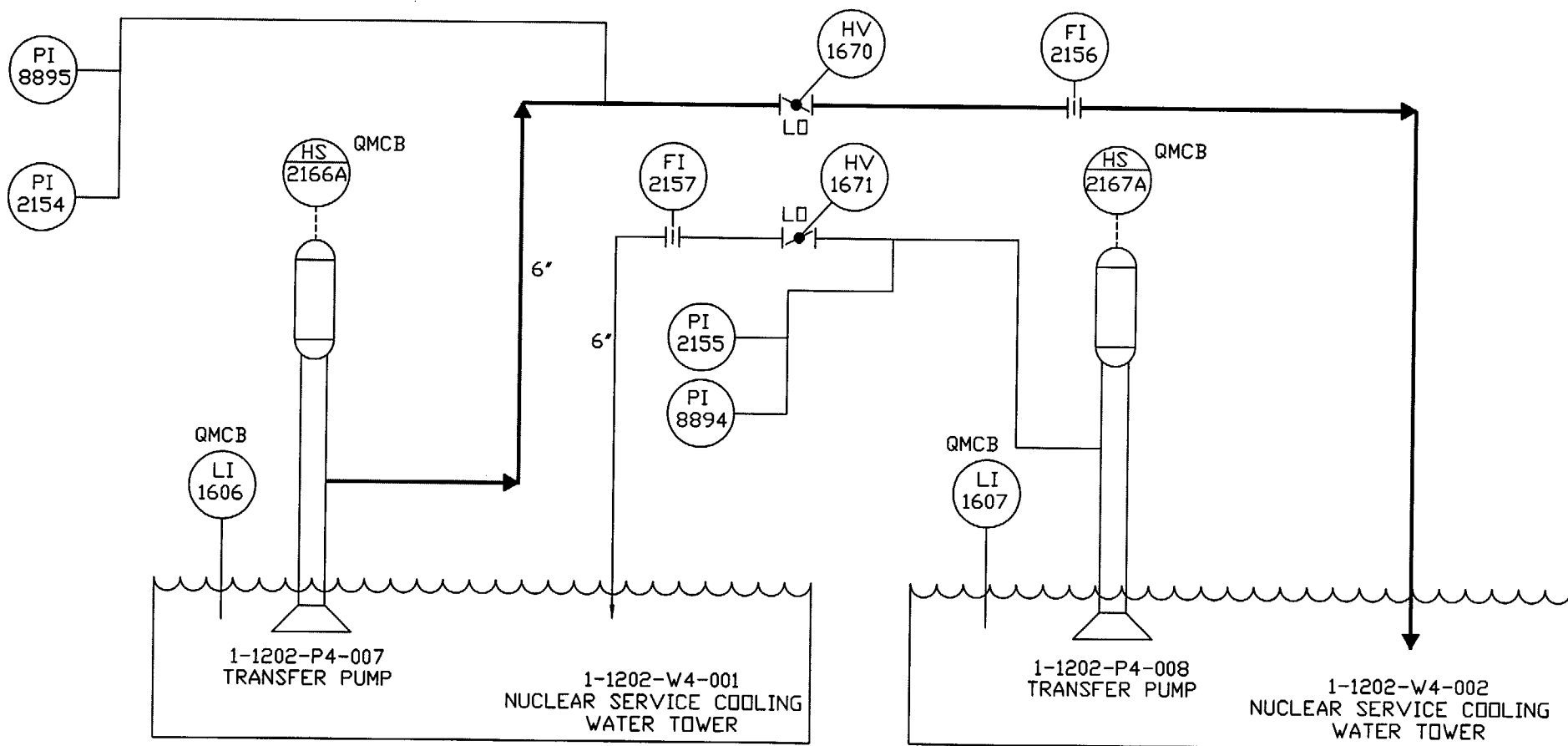
TO BASIN

NSCWS
COMPONENTS

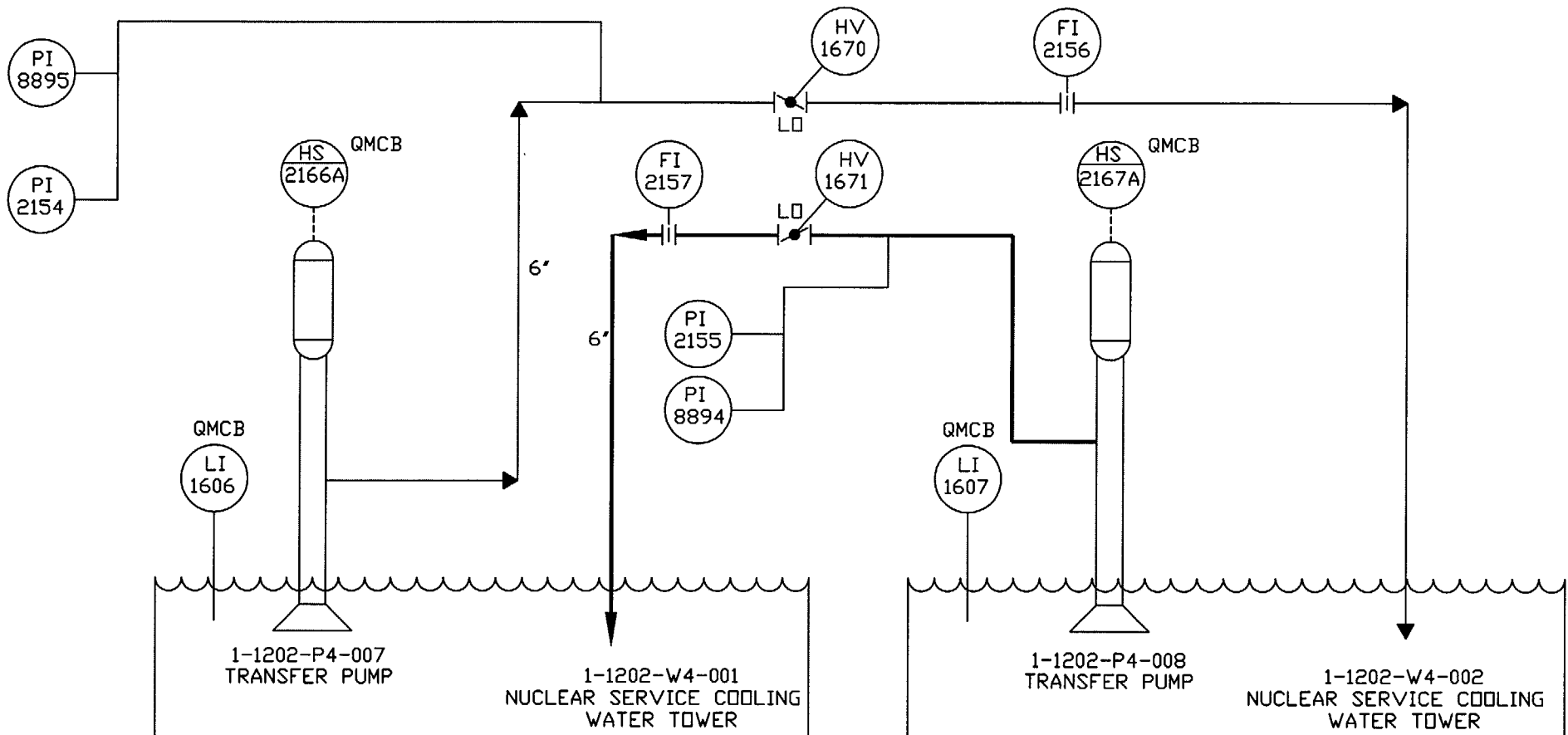
1-1202-W4-002
NUCLEAR SERVICE COOLING
WATER TOWER

REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	5-24-84	BGS	VS	ISSUED FOR PST	FT					
1	7-24-86	CSB	CVD	UPDATE TO REV 18 OF 1X4DB133-2	JJC					
2	12-2-96	JVB	DMS	REDRAWN IN ACAD13	DMS					
3	11-15-00	JCH	JMA	UPDATED PER PCR-97-001	JCH					
										Southern Company Services, Inc.FOR Southern Nuclear Operating Company
										VOGTLE ELECTRIC GENERATING PLANT UNIT 1
										PUMP INSERVICE TESTING LOOP FOR NUCLEAR SERVICE COOLING WATER PUMP 1-1202-P4-006
										DESIGNED FT DRAWN DRC TYPED CHECKED VS SCALE NONE CONTINUED ON SHEET
										PROJ.LID. DRAWING NUMBER SHEET REV. N/A N/A ISI-D- 206 1 OF 1 3

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO P&ID FOR DETAILS

[illegible]

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO P&ID FOR DETAILS



REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	5-24-84	BGS	VS	ISSUED FOR PST	FT					
1	7-24-86	CSB	CVD	UPDATE TO 1X4DB133-1 REV 16 AND 1X4DB133-2 REV. 16	JJC					
2	6-14-88	CSB	VS	ADDED PI 8894, 8895, CHANGED PI 2155 TO 2154	VLV	MB				
3	12-2-96	JVB	DMS	REDRAWN IN ACAD13	DMS					
4	11-15-00	JCH	JMA	UPDATED PER PCR-97-001	JCH					
Southern Company Services, Inc. FOR Southern Nuclear Operating Company										
VOGTLE ELECTRIC GENERATING PLANT										
UNIT 1										
PUMP INSERVICE INSPECTION LOOP										
FOR TRANSFER PUMP										
1-1202-P4-008										
DESIGNED				FT	DRAWN				DRC	
TYPED					CHECKED				VS	
SCALE				NONE	CONTINUED ON SHEET					
					PROJ.L.D.		DRAWING NUMBER		SHEET	REV.
N/A					N/A		ISI-D-208		1 OF 1	4

Test Parameter Table - Pump 1-1204-P6-003

(Figure ISI-D-215)

<u>Parameter</u>	<u>Test Freq.</u>	<u>Instrumentation Utilized</u>			<u>Ref. Value</u>	<u>Acceptable Range</u>	<u>Alert Range</u>	<u>Action Range</u>	<u>Comments</u>
		<u>I.D. No.(3)</u>	<u>Range</u>	<u>Req. Acc.</u>					
Speed (N)	NA	NA	NA	NA	NA	NA	NA	NA	Constant speed driver
Inlet Pressure (Pi)	Qtr	PI-0977	0-100 psig	± 2%	NA	NA	NA	NA	NA
Outlet Pressure (Po)	Qtr	Test Gage	NA	± 2%	NA	NA	NA	NA	NA
Differ. Pressure (ΔP)	Qtr	NA(1)	NA	± 2%	ΔPr	.90 - 1.10ΔPr	NA	<.90 or >1.10ΔPr	NA
Flowrate (Q)	Qtr	FI-0968	0-100 gpm	± 2%	Qr	NA	NA	NA	Flowrate is set at reference value
Vib. Amp. (V)(4)	Qtr	(2)	NA	± 5%	Vr	≤ 2.5Vr	> 2.5Vr - 6Vr or >.325 in/s	>6Vr or >.70 in/s	NA

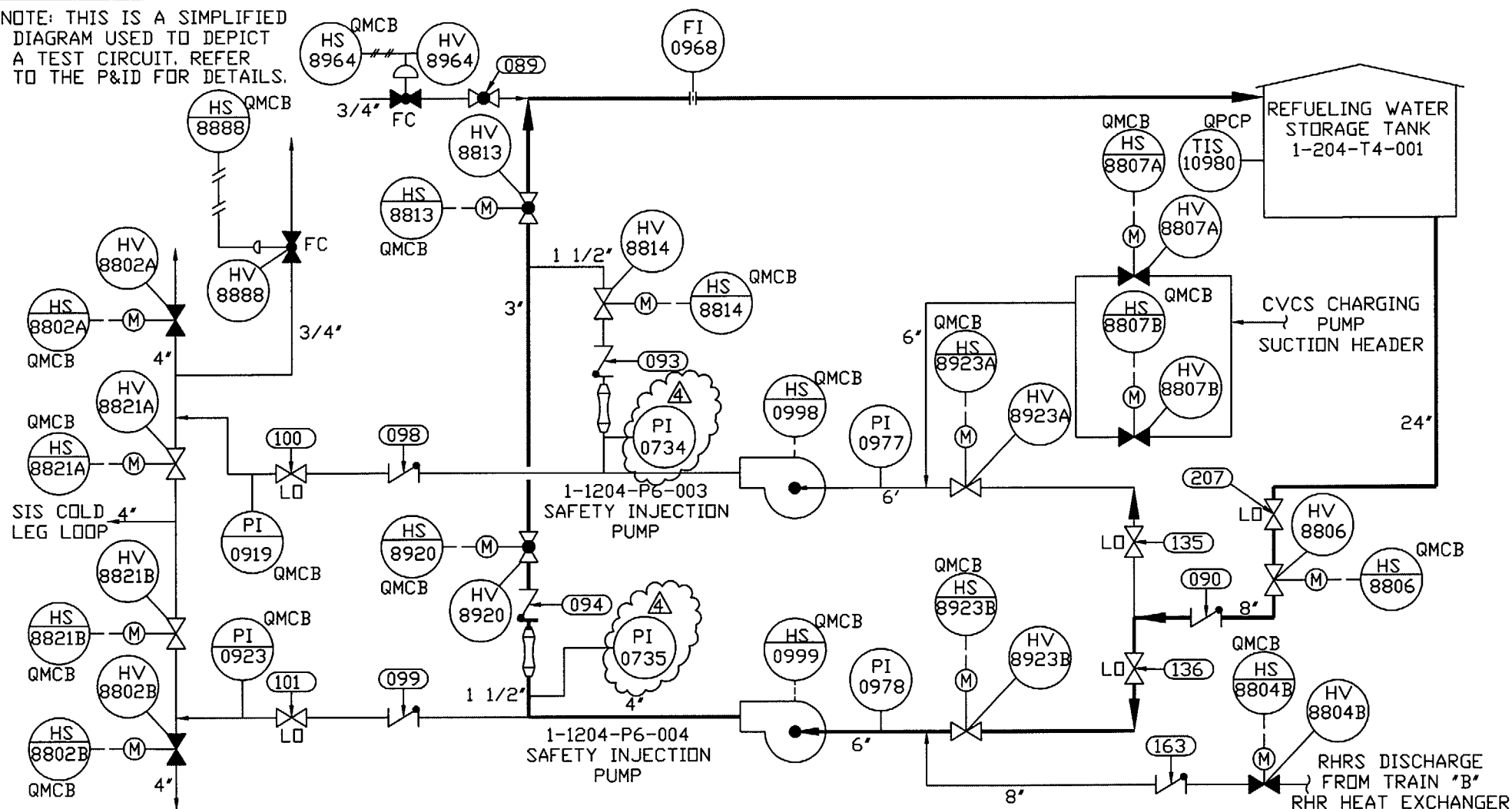
Notes:

1. Differential pressure is calculated as, $\Delta P = P_o - P_i$
2. Portable vibration instruments are utilized.
3. At the discretion of SNC, instrumentation other than that listed, which meets the requirements of the OM Code, may be utilized for measuring test parameters.
4. Measurements are taken in a plane approximately perpendicular to the rotating shaft in two orthogonal directions on each accessible pump-bearing housing and in the axial direction on each accessible thrust bearing housing.

NOTE: THIS IS A SIMPLIFIED DIAGRAM USED TO DEPICT A TEST CIRCUIT. REFER TO THE P&ID FOR DETAILS.

[illegible]

NOTE: THIS IS A SIMPLIFIED
DIAGRAM USED TO DEPICT
A TEST CIRCUIT. REFER
TO THE P&ID FOR DETAILS.

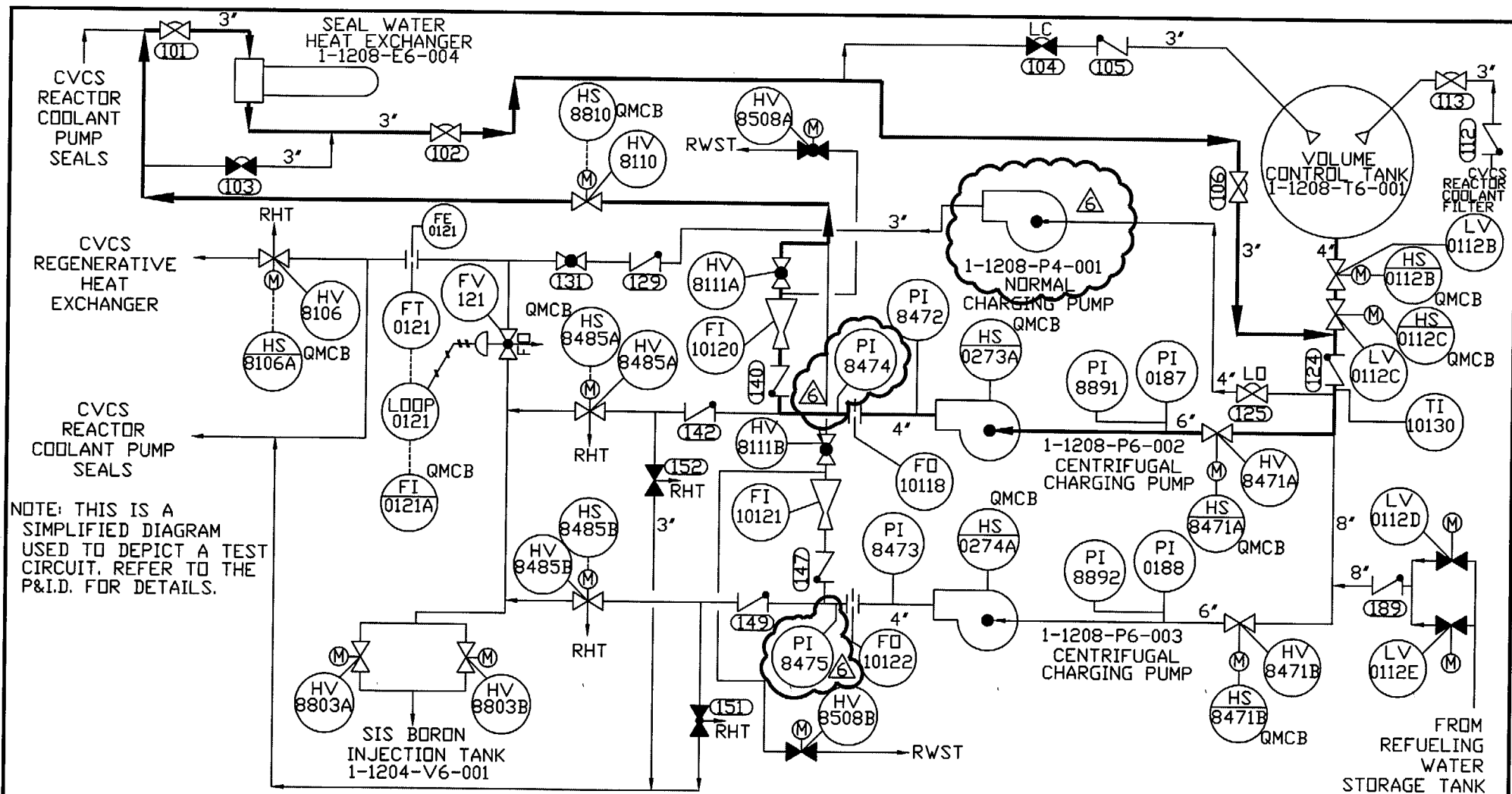


REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	5-24-84	BGS	WS	ISSUED FOR PST	FT					
1	7-24-86	RMS	CVD	UPDATED TO 1X4DB121 REV 16	JJC					
2	10-29-87	CSB	WS	ADDED PRESSURE TEST CONNECTIONS						
3	12-2-96	JVB	DMS	REDRAWN IN ACAD13	DMS					
4	11-15-00	JCH	JMA	UPDATED TO REV. 32 OF 1X4DB121	JCH					

Southern Company Services, Inc. FOR Southern Nuclear Operating Company

VOGTLE ELECTRIC GENERATING PLANT
UNIT 1
PUMP INSERVICE TESTING LOOP
FOR SAFETY INJECTION PUMP
1-1204-P6-004

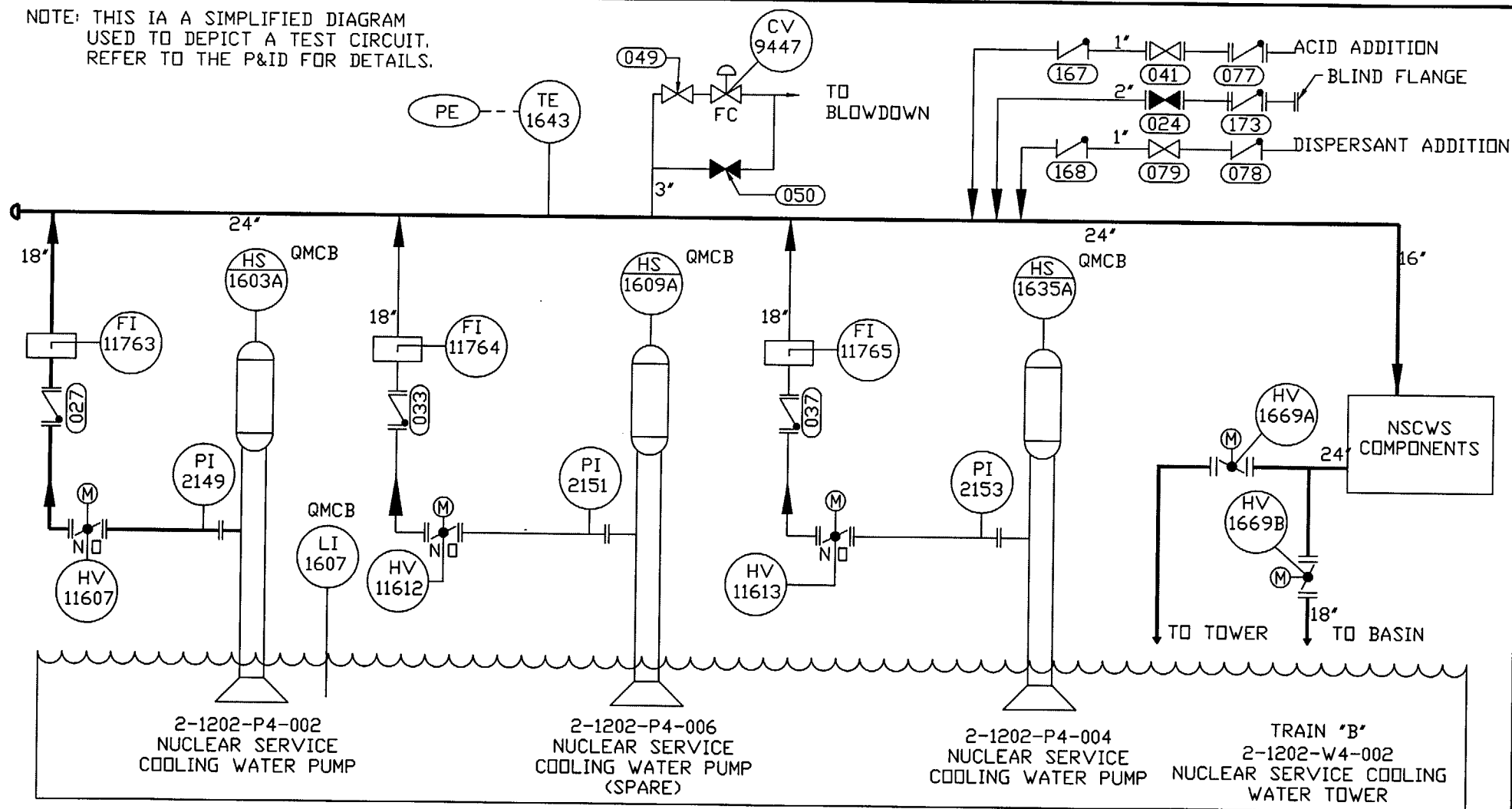
DESIGNED	FT	DRAWN	DRC
TYPED		CHECKED	WS
SCALE	NONE	CONTINUED ON SHEET	
	PROJ.L.D.	DRAWING NUMBER	SHEET REV.
N/A	N/A	ISI-D- 216	1 OF 1 4



REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	5-24-84	BGS	VS	ISSUED FOR PST	FT					
1	7-24-86	RMS	CVD	UPDATED TO 1X4DB116-2 REV 10	JJC					
2	6-14-88	CSB	VS	ADDED PI 8891, 8892	VLW	MB				
3	12-16-93	VS	DRG	ADDED FD-1011B AND FD-10122	MB					
4	11-13-95	VS	DNS	ADDED VALVES HV 8508A AND HV 8508B PLUS ASSOCIATED PIPING. CHANGED PI 118 TO PI 8472 AND PI 119 TO PI 8473	DNS					
5	12-2-96	JVB	DNS	REDRAWN IN ACAD13	DNS					
6	11-15-00	JCN	JMA	PD PUMP REPLACED WITH CEN. PUMP AND PI'S ADDED	DEM					
Southern Company Services, Inc. FOR Southern Nuclear Operating Company										
VOGTLE ELECTRIC GENERATING PLANT UNIT 1										
PUMP INSERVICE TESTING LOOP FOR CENTRIFUGAL CHARGING PUMP 1-1208-P6-002										
DESIGNED FT				DRAWN DRC						
TYPED				CHECKED VS						
SCALE				CONTINUED ON SHEET						
NONE				PROJ.L.D.						
N/A				DRAWING NUMBER				SHEET REV.		
N/A				ISI-D- 221				1 OF 1 6		

[illegible][illegible]

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS.



REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	9-5-84	BGS	VS	ISSUED FOR PST	FT					
1	1-26-88	MSS	RLB	UPDATE TO REV 19 OF 2X4DB133-2	JJC					
2	12-2-96	DVR	DMS	REDRAWN IN ACAD13	DMS					
3	11-15-00	JCH	JMA	UPDATED PER PCR-97-002	JCH					
Southern Company Services, Inc. FOR Southern Nuclear Operating Company										
VOGTLE ELECTRIC GENERATING PLANT										
UNIT 2										
PUMP INSERVICE TESTING LOOP FOR										
NUCLEAR SERVICE COOLING WATER										
PUMP 2-1202-P4-002										
DESIGNED				FT				DRAWN		
TYPED				NONE				DRC		
SCALE				NONE				CONTINUED ON SHEET		
PROJECT				PROJECT				DRAWING NUMBER		
N/A				N/A				1 OF 1		
SHEET				SHEET				REV.		
1				1				3		

[illegible]

REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS				
0	9-5-84	BGS	VS	ISSUED FOR PST	FT					Southern Company Services, Inc. FOR Southern Nuclear Operating Company				
1	1-26-88	MSS	RLB	UPDATED TO REV 20 OF 2X4DB133-1	JJC									
2	12-2-96	DWR	DMS	REDRAWN IN ACAD13	DMS									
3	11-15-00	JCH	JNA	UPDATED PER PCR-97-002	JCH									
										VOGTLE ELECTRIC GENERATING PLANT UNIT 2 PUMP INSERVICE TESTING LOOP FOR NUCLEAR SERVICE COOLING WATER PUMP 2-1202-P4-003				
											DESIGNED FT	DRAWN DRC		
											TYPED	CHECKED VS		
											SCALE	NONE	CONTINUED ON SHEET	
												PROJ.ID.	DRAWING NUMBER	SHEET
										N/A	N/A	ISI-D- 252	1 OF 1	3

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS.

TO BLOWDOWN

ACID ADDITION
BLIND FLANGE
DISPERSANT ADDITION

PE -- TE 1643

CV 9447

FC

049

050

3"

1"

2"

1"

167

041

077

024

173

168

079

078

24"

18"

18"

18"

24"

16"

HS 1603A QMCB

FI 11763

027

PI 2149

QMCB

LI 1607

HV 11607

2-1202-P4-002
NUCLEAR SERVICE
COOLING WATER PUMP

HS 1609A QMCB

FI 11764

033

PI 2151

QMCB

LI 1607

HV 11612

2-1202-P4-006
NUCLEAR SERVICE
COOLING WATER PUMP
(SPARE)

HS 1635A QMCB

FI 11765

037

PI 2153

QMCB

LI 1607

HV 11613

2-1202-P4-004
NUCLEAR SERVICE
COOLING WATER PUMP

NSCWS COMPONENTS

HV 1669A

24"

HV 1669B

18"

TO TOWER

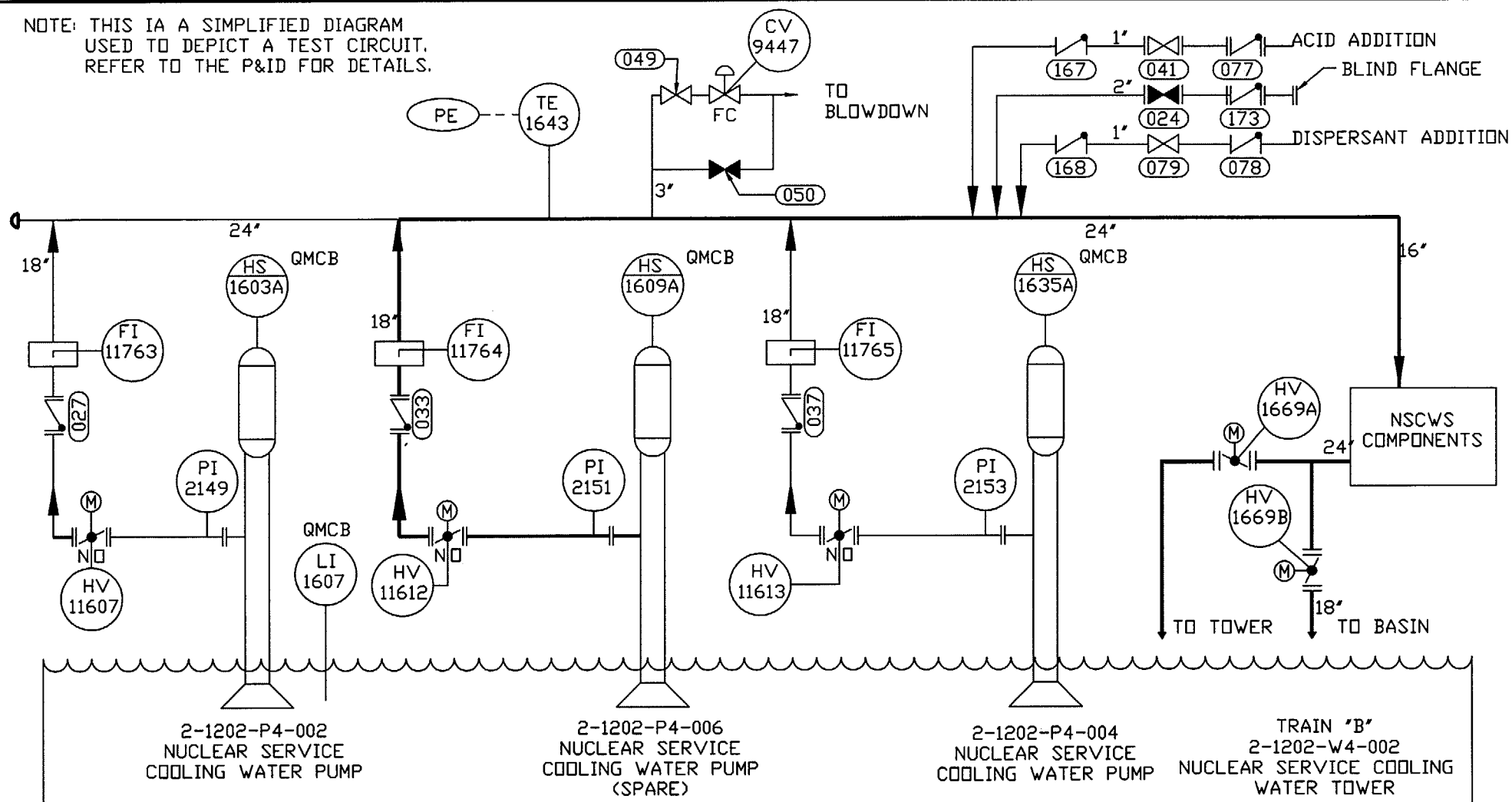
TO BASIN

TRAIN 'B'
2-1202-W4-002
NUCLEAR SERVICE COOLING
WATER TOWER

REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	9-5-84	BGS	VS	ISSUED FOR PST	FT					
1	1-26-88	MSS	RLB	UPDATE TO REV 19 OF 2X4DB133-2	JJC					
2	12-2-96	DWR	DMS	REDRAWN IN ACAD13	DMS					
3	11-15-00	JCH	JMA	UPDATED PER PCR-97-002	JCH					
										Southern Company Services, Inc. FOR Southern Nuclear Operating Company
										VOGTLE ELECTRIC GENERATING PLANT UNIT 2
										PUMP INSERVICE TESTING LOOP FOR NUCLEAR SERVICE COOLING WATER PUMP 2-1202-P4-004
										DESIGNED FT DRAWN DRC
										TYPED CHECKED VS
										SCALE NONE CONTINUED ON SHEET
										PROJ.L.D. DRAWING NUMBER SHEET REV.
										N/A N/A ISI-D-- 253 1 OF 1 3

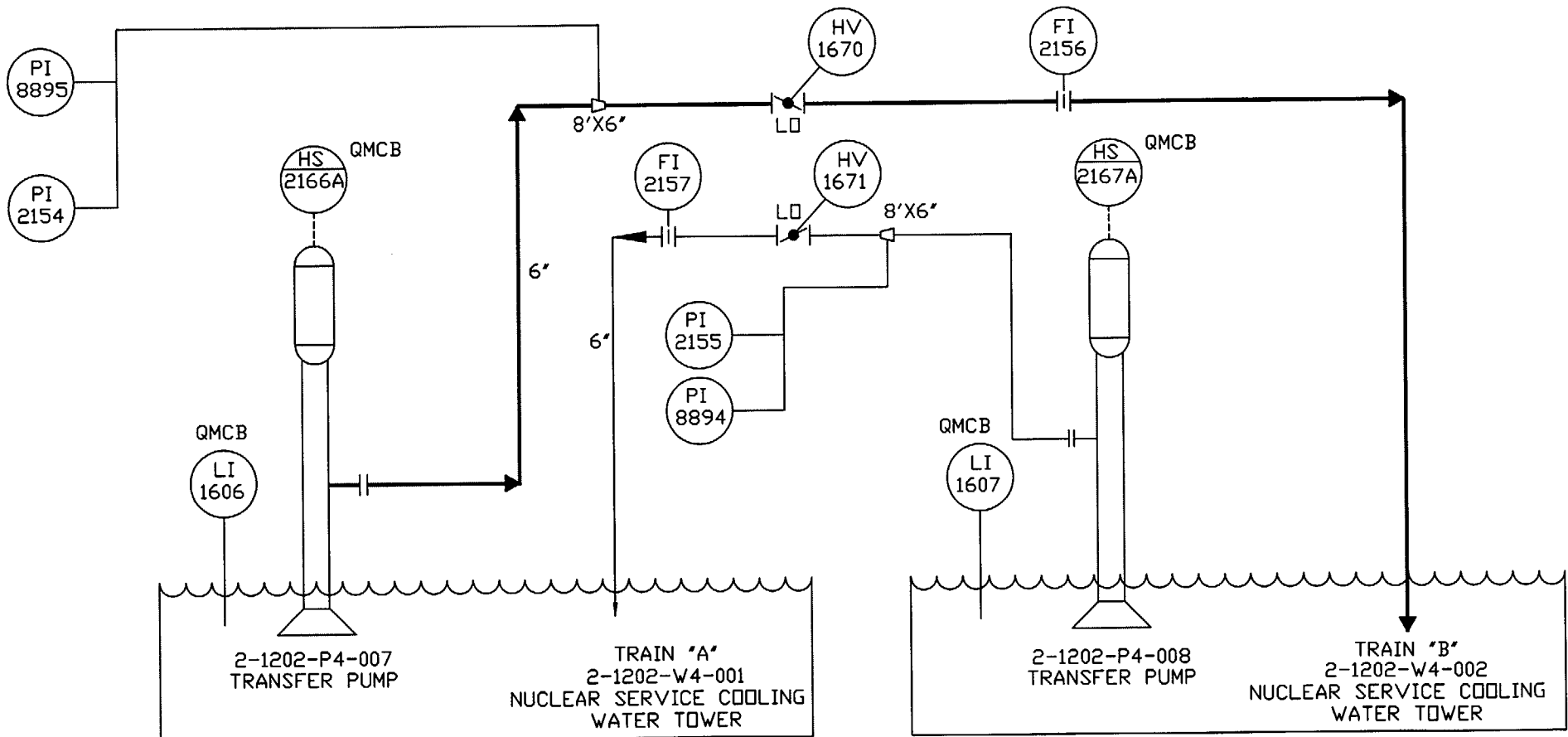
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NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS.



REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	9-5-84	BGS	VS	ISSUED FOR PST	FT					
1	1-26-88	MSS	RLB	UPDATE TO REV 19 OF 2X40B133-2	JJC					
2	12-2-96	DVR	DMS	REDRAWN IN ACAD13	DMS					
3	11-15-00	JCH	JMA	UPDATED PER PCR-97-002	JCH					
Southern Company Services, Inc. FOR Southern Nuclear Operating Company										
VOGTLE ELECTRIC GENERATING PLANT UNIT 2										
PUMP INSERVICE TESTING LOOP FOR NUCLEAR SERVICE COOLING WATER PUMP 2-1202-P4-006										
				DESIGNED	FT	DRAWN		DRC		
				TYPED		CHECKED		VS		
				SCALE	NONE	CONTINUED ON SHEET				
				PROJ. I.D.		DRAWING NUMBER		SHEET	REV.	
				N/A		N/A		ISI-D-255	1 OF 1	3

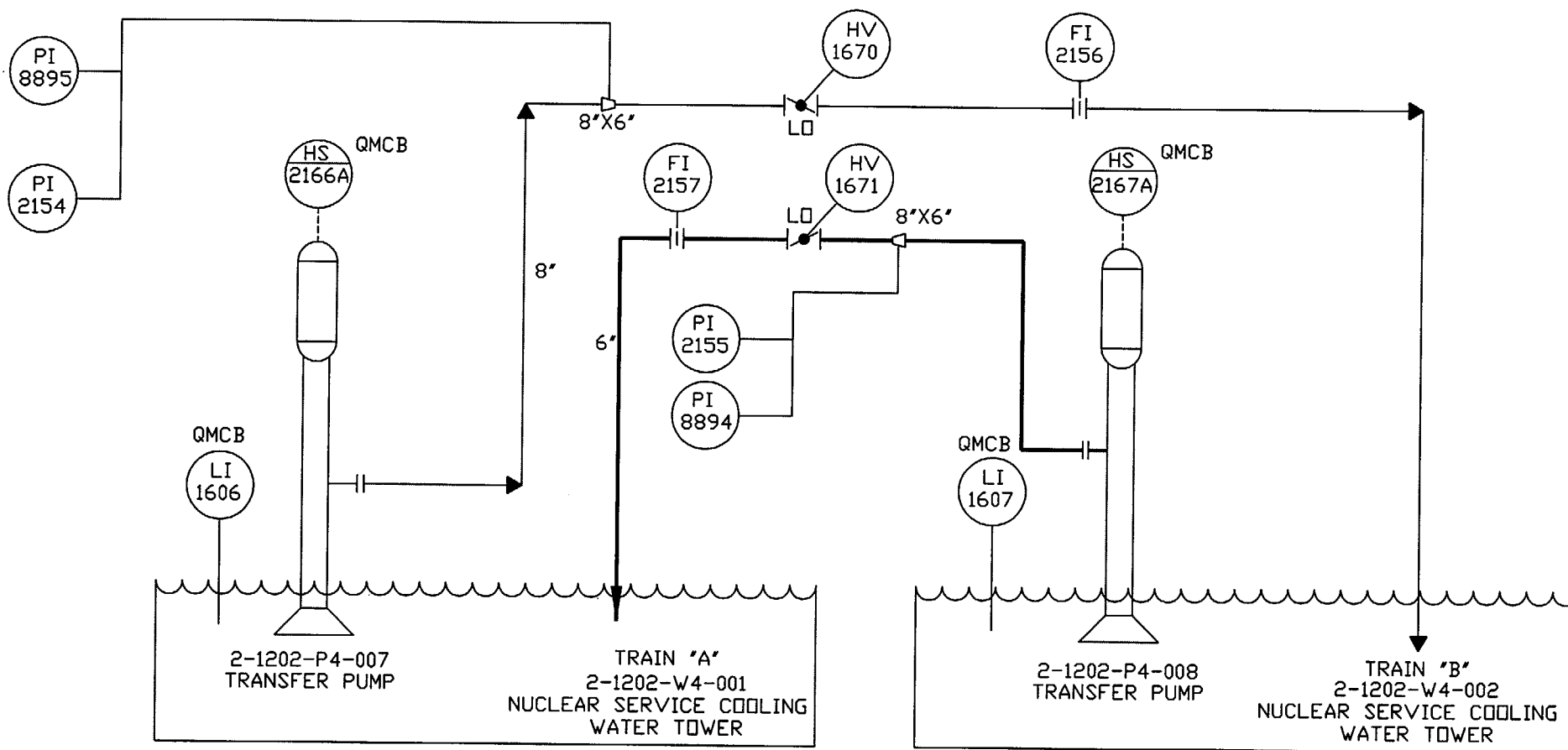
NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS



REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5
0	9-5-84	BGS	WS	ISSUED FOR PST	FT				
1	1-26-88	NSS	RLB	UPDATED TO REV. 20 2X4DB133-1 & REV. 19 2X4DB133-2	JJC				
2	6-14-88	TEW	JMA	ADDED PI-8894 & P-8895; DELETED NSCV HEADERS	JJC				
3	12-2-96	DWR	DMS	REDRAWN IN ACAD13	DMS				
4	11-15-00	JCM	JMA	UPDATED PER PCR-97-002	JCM				

REMARKS					Southern Company Services, Inc. FOR Southern Nuclear Operating Company				
VOGTLE ELECTRIC GENERATING PLANT					DESIGNED	FT	DRAWN	DRC	
UNIT 2					TYPED		CHECKED	VS	
PUMP INSERVICE INSPECTION LOOP					SCALE	NONE	CONTINUED ON SHEET		
FOR TRANSFER PUMP						PROJ.I.D.	DRAWING NUMBER	SHEET	REV.
2-1202-P4-007					N/A	N/A	ISI-D- 256	1 OF 1	4

NOTE: THIS IS A SIMPLIFIED DIAGRAM
USED TO DEPICT A TEST CIRCUIT.
REFER TO THE P&ID FOR DETAILS



REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5
0	9-5-84	BGS	VS	ISSUED FOR PST	FT				
1	1-26-88	NSS	RLB	UPDATED TO REV. 20 2X4DB133-1 & REV. 19 2X4DB133-2	JJC				
2	4-19-89	TEV	JMA	ADDED PI-8894 & P-8895; DELETED NSCW HEADERS	JJC				
3	12-2-96	DWR	DMS	REDRAWN IN ACAD13	DMS				
4	11-15-00	JCH	JMA	UPDATED PER PCR-97-002	JCH				

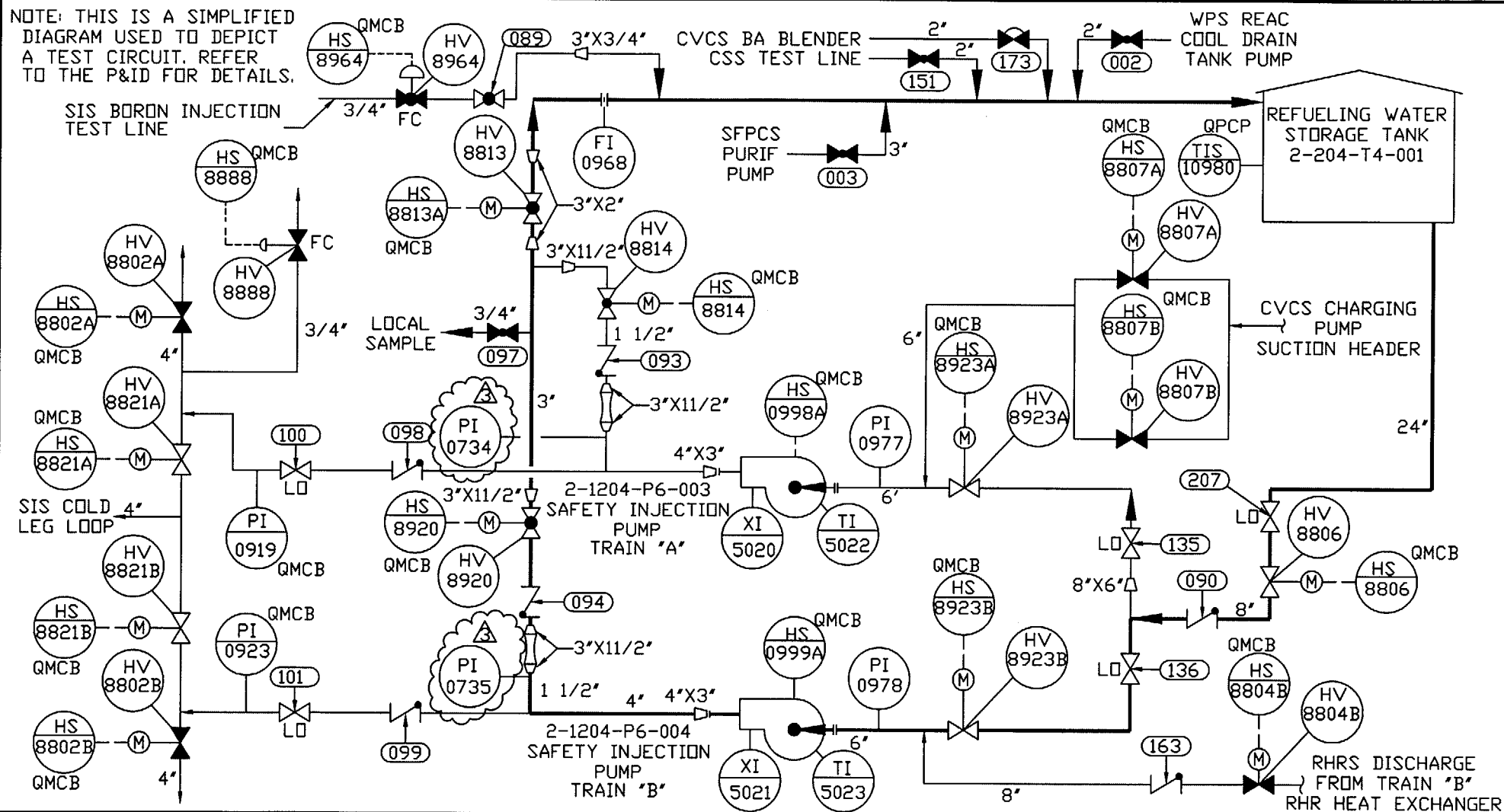
REMARKS				
Southern Company Services, Inc. FOR Southern Nuclear Operating Company				
VDGTE ELECTRIC GENERATING PLANT				
UNIT 2				
PUMP INSERVICE INSPECTION LOOP				
FOR TRANSFER PUMP				
2-1202-P4-008				
DESIGNED	FT	DRAWN	DRC	
TYPED		CHECKED	VS	
SCALE	NONE	CONTINUED ON SHEET		
	PROJ.D.	DRAWING NUMBER	SHEET	REV.
N/A	N/A	ISI-D- 257	1 OF 1	4

[illegible][illegible]

PUMP INSERVICE TESTING LOOP
FOR SAFETY INJECTION PUMP
2-1204-P6-003

DESIGNED		FT		DRAWN		DRC	
TYPED		CHECKED		VS			
SCALE		NONE		CONTINUED ON SHEET			
	PROJ.L.D.	DRAWING NUMBER			SHEET	REV.	
N/A	N/A	ISI-D- 264			1 OF 1	3	

NOTE: THIS IS A SIMPLIFIED
DIAGRAM USED TO DEPICT
A TEST CIRCUIT. REFER
TO THE P&ID FOR DETAILS.

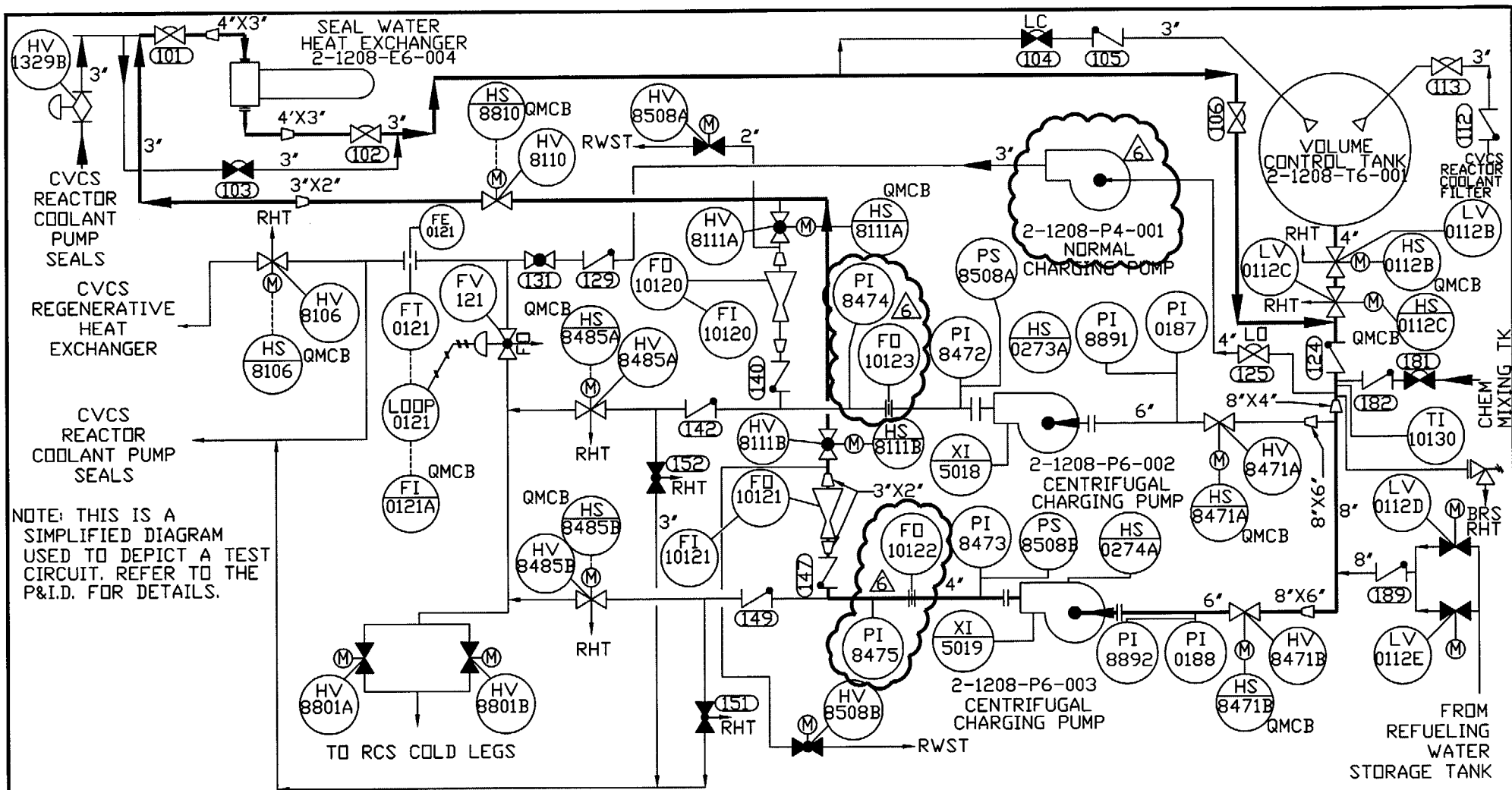


REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	5-24-84	BGS	WS	ISSUED FOR PST	FT					
1	1-26-88	CL	RLB	UPDATED TO REV. 20 OF 2X4DB121	JJC					
2	12-2-96	DVR	DMS	REDRAWN IN ACAD13	DMS					
3	11-15-00	JCH	JMA	UPDATED TO REV. 38 OF 2X4DB121	OCM					

Southern Company Services, Inc. FOR Southern Nuclear Operating Company

VOGTLE ELECTRIC GENERATING PLANT
UNIT 2
PUMP INSERVICE TESTING LOOP
FOR SAFETY INJECTION PUMP
2-1204-P6-004

DESIGNED	FT	DRAWN	DRC
TYPED		CHECKED	VS
SCALE	NONE	CONTINUED ON SHEET	
	PROJ.L.D.	DRAWING NUMBER	SHEET REV.
N/A	N/A	ISI-D-265	1 OF 1 3



REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	APPR.5	REMARKS
0	9-5-84	BGS	VS	ISSUED FOR PST	FT					
1	1-26-88	CL	RLB	UPDATED TO REV.15 OF 2X4DB116-2	JJC					
2	4-19-89	TEV	JMA	ADDED PI 8891, 8892	JJC					
3	12-2-93	VS	DRG	RELOCATED 2" BRANCH CONNS; ADDED PS 8508A & B	MB					
4	11-13-95	VS	DMS	CHANGED PI 118 AND PI 119 TO PI 8472 AND PI 8473	DMS					
5	12-2-96	DVR	DMS	REDRAWN IN ACAD13	DMS					
6	11-15-00	JCH	JMA	PD PUMP REPLACED WITH CEN. PUMP, PI'S AND FD'S ADDED	JCM					

Southern Company Services, Inc. FOR Southern Nuclear Operating Company

VOGTLE ELECTRIC GENERATING PLANT
UNIT 2
PUMP INSERVICE TESTING LOOP
FOR CENTRIFUGAL CHARGING PUMP
2-1208-P6-003

DESIGNED	FT	DRAWN	DRG
TYPED		CHECKED	VS
SCALE	NONE	CONTINUED ON SHEET	
	PROJ.113	DRAWING NUMBER	SHEET
N/A	N/A	ISI-D- 271	1 OF 1 6

ENCLOSURE 2
TO
SOUTHERN NUCLEAR OPERATING COMPANY
LETTER LCV-1502

VOGTLE ELECTRIC GENERATING PLANT, UNITS 1 AND 2
SECOND TEN-YEAR VALVE INSERVICE TESTING PROGRAMS
EFFECTIVE PAGES

(106 pages)

VOGTLE ELECTRIC GENERATING PLANT

UNITS 1 & 2

SECOND 10 -YEAR INTERVAL

VALVE INSERVICE TESTING PROGRAM

R E V	DATE	DESCRIPTION	ITS PREP'D BY	ITS REV'D BY	ITS APPV'D BY	VNMS APPV'D BY
0	04/30/97	INITIAL ISSUE TO VEGP FOR REVIEW & APPROVAL.	JCM	KLG JMA	DMS	HPW
1	05/12/98	Incorporate PCR's 98- 001, 98-006, 98-007 and 98-008	JCM	WC JJC	AGM	HPW
2	09/10/98	Incorporate PCR's 97- 006, 97-015, and 98-010	JCM	WC	AGM	HPW
3	11/15/00	Incorporate PCR's 98- 012, 98-018, and 99-002 Valve tables in a new format.	JCM	TAB	AGM	HPW

VEGP IST APPROVAL	
IST Engr:	Ashley R Wesley 12/7/00
Engr. Supv:	Barbara A. King 12/19/00
Mgr. Engr:	W. Byrnes 12-20-00
ANII:	M. B. Chapman 1-25-01
PRB: Mtg. No:	2001-04
Date:	Jan 19, 2001
Gen. Mgr:	J. T. Bann

Summary of Changes for Revision 3 of Second 10-Year Valve IST Program

1. The Active Page List was revised to reflect revision changes.
2. The Distribution List was revised to indicate new manual holders.
3. Pages 4-1 through 4-50 of the Unit 1 Valve Table were reprinted due to the change from FoxPro to Access database management platforms.
4. Page 4-18 of the Unit 1 Valve Table had 1-1208-U6-129 added per PCR 98-018.
5. Page 4-34 of the Unit 1 Valve Table had 1-HV-5106's valve type changed from a gate to a globe per PCR 98-012.
6. Pages 5-1 through 5-50 of the Unit 2 Valve Table were reprinted due to change from FoxPro to Access database management platforms.
7. Page 5-18 of the Unit 2 Valve Table had 2-1208-U6-129 added per PCR 99-002.
8. On page 8-14, "relief request" was changed to "ROJ."

DISTRIBUTION LIST

<u>HOLDER</u>	<u>MANUAL NUMBER</u>
Stephen W. Ashworth (SCS)	1
Ashleigh R. Wesley	2
J. John Churchwell	3
SNC Site Document Control Supervisor	4
SNC Site Performance Supervisor	5
Charles A. Griffin	6
J. Craig McWhorter	7
ITS Department Shelf Copy	8
VEGP Resident NRC Inspector	9

Active Page List

1-1	Rev. 0	4-36	Rev. 3	5-37	Rev. 3
1-2	Rev. 0	4-37	Rev. 3	5-38	Rev. 3
1-3	Rev. 0	4-38	Rev. 3	5-39	Rev. 3
2-1	Rev. 0	4-39	Rev. 3	5-40	Rev. 3
2-2	Rev. 0	4-40	Rev. 3	5-41	Rev. 3
2-3	Rev. 0	4-41	Rev. 3	5-42	Rev. 3
2-4	Rev. 0	4-42	Rev. 3	5-43	Rev. 3
2-5	Rev. 0	4-43	Rev. 3	5-44	Rev. 3
2-6	Rev. 0	4-44	Rev. 3	5-45	Rev. 3
2-7	Rev. 0	4-45	Rev. 3	5-46	Rev. 3
2-8	Rev. 0	4-46	Rev. 3	5-47	Rev. 3
2-9	Rev. 0	4-47	Rev. 3	5-48	Rev. 3
3-1	Rev. 0	4-48	Rev. 3	5-49	Rev. 3
3-2	Rev. 0	4-49	Rev. 3	5-50	Rev. 3
3-3	Rev. 0	4-50	Rev. 3	6-1	Rev. 0
3-4	Rev. 0	5-1	Rev. 3	7-1	Rev. 0
4-1	Rev. 3	5-2	Rev. 3	7-2	Rev. 0
4-2	Rev. 3	5-3	Rev. 3	7-3a	Rev. 0
4-3	Rev. 3	5-4	Rev. 3	7-3b	Rev. 0
4-4	Rev. 3	5-5	Rev. 3	7-4	Rev. 0
4-5	Rev. 3	5-6	Rev. 3	7-5	Rev. 0
4-6	Rev. 3	5-7	Rev. 3	7-6	Rev. 0
4-7	Rev. 3	5-8	Rev. 3	7-7	Rev. 0
4-8	Rev. 3	5-9	Rev. 3	7-8	Rev. 0
4-9	Rev. 3	5-10	Rev. 3	7-9	Rev. 0
4-10	Rev. 3	5-11	Rev. 3	7-10	Rev. 0
4-11	Rev. 3	5-12	Rev. 3	7-11	Rev. 0
4-12	Rev. 3	5-13	Rev. 3	7-12	Rev. 0
4-13	Rev. 3	5-14	Rev. 3	7-13	Rev. 0
4-14	Rev. 3	5-15	Rev. 3	7-14	Rev. 0
4-15	Rev. 3	5-16	Rev. 3	7-15	Rev. 0
4-16	Rev. 3	5-17	Rev. 3	7-16	Rev. 0
4-17	Rev. 3	5-18	Rev. 3	7-17	Rev. 0
4-18	Rev. 3	5-19	Rev. 3	7-18	Rev. 0
4-19	Rev. 3	5-20	Rev. 3	7-19	Rev. 0
4-20	Rev. 3	5-21	Rev. 3	7-20	Rev. 0
4-21	Rev. 3	5-22	Rev. 3	7-21	Rev. 0
4-22	Rev. 3	5-23	Rev. 3	7-22	Rev. 0
4-23	Rev. 3	5-24	Rev. 3	7-23	Rev. 0
4-24	Rev. 3	5-25	Rev. 3	7-24	Rev. 0
4-25	Rev. 3	5-26	Rev. 3	7-25	Rev. 0
4-26	Rev. 3	5-27	Rev. 3	7-26	Rev. 0
4-27	Rev. 3	5-28	Rev. 3	7-27a	Rev. 0
4-28	Rev. 3	5-29	Rev. 3	7-27b	Rev. 0
4-29	Rev. 3	5-30	Rev. 3	7-28	Rev. 0
4-30	Rev. 3	5-31	Rev. 3	7-29	Rev. 0
4-31	Rev. 3	5-32	Rev. 3	7-30	Rev. 0
4-32	Rev. 3	5-33	Rev. 3	7-31	Rev. 0
4-33	Rev. 3	5-34	Rev. 3		
4-34	Rev. 3	5-35	Rev. 3		
4-35	Rev. 3	5-36	Rev. 3		

Active Page List

Continued

7-32	Rev. 0
7-33	Rev. 0
7-34	Rev. 0
7-35	Rev. 0
7-36	Rev. 0
7-37	Rev. 0
7-38	Rev. 0
8-1	Rev. 0
8-2	Rev. 0
8-3	Rev. 0
8-4	Rev. 0
8-5	Rev. 0
8-6	Rev. 1
8-7a	Rev. 0
8-7b	Rev. 0
8-8a	Rev. 0
8-8b	Rev. 0
8-9	Rev. 0
8-10	Rev. 0
8-11	Rev. 0
8-12	Rev. 0
8-13	Rev. 0
8-14	Rev. 3
8-15	Rev. 0
8-16	Rev. 0
8-17a	Rev. 0
8-17b	Rev. 0
8-18	Rev. 0
8-19	Rev. 0
8-20a	Rev. 0
8-20b	Rev. 0
8-21	Rev. 0
8-22	Rev. 1
8-23	Rev. 0
8-24	Rev. 0
8-25	Rev. 0
8-26	Rev. 0
8-27	Rev. 0
8-28	Rev. 0
8-29	Rev. 0
8-30	Rev. 0
8-31	Rev. 0
8-32	Rev. 1
10-1	Rev. 0
10-2	Rev. 0

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1201

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1201-U4-251	2 / 212	AC	3/4" CH	RHR Pmp Sup Inbrd Iso Vlv Bypass Vlv	SA	1X4DB122 F-2	C	O	~	A	~	RO	~	~	ROJ-1
1-1201-U4-252	2 / 212	AC	3/4" CH	RHR Pmp Sup Inbrd Iso Vlv Bypass Vlv	SA	1X4DB122 C-2	C	O	~	A	~	RO	~	~	ROJ-1
1-1201-U6-112	2 / 212	AC	3" CH	Primary Grade Water Sup to Ctmt CH	SA	1X4DB112 F-2	C	C	~	A	~	RO	~	AJ	ROJ-2
1-HV-0442A	2 / 212	B	1" GL	RPV Head Vent to PRT Iso Vlv	SO	1X4DB112 H-4	C	O/C	C	A	RO	CS	CS	~	CSJ-1
1-HV-0442B	2 / 212	B	1" GL	RPV Head Vent to PRT Iso Vlv	SO	1X4DB112 G-4	C	O/C	C	A	RO	CS	CS	~	CSJ-1
1-HV-8000A	1 / 111	B	3" GA	PORV Block Vlv	MO	1X4DB112 E-7	O	O/C	AI	A	RO	Q	~	~	
1-HV-8000B	1 / 111	B	3" GA	PORV Block Vlv	MO	1X4DB112 F-7	O	O/C	AI	A	RO	Q	~	~	
1-HV-8028	2 / 212	A	3" DI	Primary Grade Water Sup to Ctmt Iso Vlv	AO	1X4DB112 F-2	O	C	C	A	RO	Q	Q	AJ	
1-HV-8033	2 / 212	A	1" DI	PRT Vent Vlv	AO	1X4DB112 G-2	C	C	C	A	RO	Q	Q	AJ	
1-HV-8047	2 / 212	A	1" DI	PRT Vent Vlv	AO	1X4DB112 G-3	C	C	C	A	RO	Q	Q	AJ	
1-HV-8095A	1 / 111	B	1" GL	RPV Head Vent Vlv	SO	1X4DB114 E-5	C	O/C	C	A	RO	CS	CS	~	CSJ-1
1-HV-8095B	1 / 111	B	1" GL	RPV Head Vent Vlv	SO	1X4DB114 E-5	C	O/C	C	A	RO	CS	CS	~	CSJ-1
1-HV-8096A	1 / 111	B	1" GL	RPV Head Vent Vlv	SO	1X4DB114 E-5	C	O/C	C	A	RO	CS	CS	~	CSJ-1
1-HV-8096B	1 / 111	B	1" GL	RPV Head Vent Vlv	SO	1X4DB114 E-5	C	O/C	C	A	RO	CS	CS	~	CSJ-1
1-HV-8701A	1 / 111	A	12" GA	RHR Pmp Sup Iso From RCS Loops	MO	1X4DB122 G-2	C	O/C	AI	A	RO	CS	~	RO	CSJ-2

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1201

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-8701B	1 / 111	A	12" GA	RHR Pmp Sup Iso From RCS Loops	MO	1X4DB122 G-1	C	O/C	AI	A	RO	CS	~	RO	CSJ-2
1-HV-8702A	1 / 111	A	12" GA	RHR Pmp Sup Iso From RCS Loops	MO	1X4DB122 D-2	C	O/C	AI	A	RO	CS	~	RO	CSJ-2
1-HV-8702B	1 / 111	A	12" GA	RHR Pmp Sup Iso From RCS Loops	MO	1X4DB122 D-2	C	O/C	AI	A	RO	CS	~	RO	CSJ-2
1-PSV-8010A	1 / 111	C	6" RV	PRZR Safety Vlv	SA	1X4DB112 G-7	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8010B	1 / 111	C	6" RV	PRZR Safety Vlv	SA	1X4DB112 G-6	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8010C	1 / 111	C	6" RV	PRZR Safety Vlv	SA	1X4DB112 G-6	C	O/C	~	A	~	~	~	~	Note 6
1-PV-0455A	1 / 111	B	3" GL	PORV	SO	1X4DB112 E-8	C	O/C	C	A	RO	CS	CS	~	CSJ-3
1-PV-0456A	1 / 111	B	3" GL	PORV	SO	1X4DB112 F-8	C	O/C	C	A	RO	CS	CS	~	CSJ-3

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1202

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1202-U4-025	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	1X4DB133-1 C-8	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
1-1202-U4-027	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	1X4DB133-2 C-8	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
1-1202-U4-031	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	1X4DB133-1 E-6	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
1-1202-U4-033	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	1X4DB133-2 E-6	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
1-1202-U4-035	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	1X4DB133-1 C-4	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
1-1202-U4-037	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	1X4DB133-2 C-5	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
1-1202-U4-463	3 / 313	C	8" CH	NSCW Sup to CB Ess Chiller CH	SA	1X4DB134 E-2	O	O	~	A	~	Q	~	~	
1-1202-U4-464	3 / 313	C	4" CH	NSCW Sup to Piping Pen Area CH	SA	1X4DB133-2 D-3	O	O	~	A	~	Q	~	~	
1-1202-U4-465	3 / 313	C	16" CH	NSCW Sup to CCW Hx	SA	1X4DB133-2 D-1	O	O	~	A	~	Q	~	~	
1-1202-U4-466	2 / 212	C	8" CH	NSCW to Ctmt Cooler CH	SA	1X4DB135-1 H-4	O	O	~	A	~	Q	~	~	
1-1202-U4-467	2 / 212	C	8" CH	NSCW to Ctmt Cooler CH	SA	1X4DB135-1 F-5	O	O	~	A	~	Q	~	~	
1-1202-U4-469	3 / 313	C	16" CH	NSCW Sup to CCW Hx	SA	1X4DB135-1 D-7	O	O	~	A	~	Q	~	~	
1-1202-U4-470	3 / 313	C	4" CH	NSCW Sup to Piping Pen Area CH	SA	1X4DB135-1 B-7	O	O	~	A	~	Q	~	~	
1-1202-U4-471	2 / 212	C	8" CH	NSCW to Ctmt Cooler CH	SA	1X4DB135-2 H-6	O	O	~	A	~	Q	~	~	
1-1202-U4-472	2 / 212	C	8" CH	NSCW to Ctmt Cooler CH	SA	1X4DB135-2 H-6	O	O	~	A	~	Q	~	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1202

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1202-U4-474	3 / 313	C	8" CH	NSCW Sup to CB Ess Chiller CH	SA	1X4DB135-2 C-8	O	O	~	A	~	Q	~	~	
1-1202-U4-492	3 / 313	B	2" GA	NSCW Hdr/Train Inter-Tie Man. Iso. Vlv.	MA	1X4DB133-1 G-1	O	C	~	A	~	Q	~	~	
1-1202-U4-497	3 / 313	B	2" GA	NSCW Hdr/Train Inter-Tie Man. Iso. Vlv.	MA	1X4DB134 E-5	O	C	~	A	~	Q	~	~	
1-1202-U4-A07	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	1X4DB133-1 B-8	O/C	O	~	A	~	RO	~	~	ROJ-32
1-1202-U4-A08	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	1X4DB133-1 A-8	O/C	O	~	A	~	RO	~	~	ROJ-32
1-1202-U4-A09	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	1X4DB133-1 B-7	O/C	O	~	A	~	RO	~	~	ROJ-32
1-1202-U4-A13	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	1X4DB133-2 B-8	O/C	O	~	A	~	RO	~	~	ROJ-32
1-1202-U4-A14	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	1X4DB133-2 A-8	O/C	O	~	A	~	RO	~	~	ROJ-32
1-1202-U4-A15	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	1X4DB133-2 B-7	O/C	O	~	A	~	RO	~	~	ROJ-32
1-CV-9446	3 / 313	B	2" GL	NSCW Blowdown Ctrl Vlv	AO	1X4DB133-1 B-5	O	C	C	A	RO	Q	Q	~	
1-CV-9447	3 / 313	B	2" GL	NSCW Blowdown Ctrl Vlv	AO	1X4DB133-2 B-5	O	C	C	A	RO	Q	Q	~	
1-HV-11600	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	1X4DB133-1 D-8	O/C	O	AI	A	Q	Q	~	~	Note 5
1-HV-11605	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	1X4DB133-1 E-6	O/C	O	AI	A	Q	Q	~	~	Note 5
1-HV-11606	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	1X4DB133-1 C-4	O/C	O	AI	A	Q	Q	~	~	Note 5
1-HV-11607	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	1X4DB133-2 C-8	O/C	O	AI	A	Q	Q	~	~	Note 5

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1202

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-11612	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	1X4DB133-2 E-6	O/C	O	AI	A	Q	Q	~	~	Note 5
1-HV-11613	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	1X4DB133-2 C-5	O/C	O	AI	A	Q	Q	~	~	Note 5
1-HV-1668A	3 / 313	B	24" BU	NSCW Tower Ret Hdr Stop Vlv	MO	1X4DB133-1 G-5	O/C	O	AI	A	RO	Q	~	~	
1-HV-1668B	3 / 313	B	18" BU	NSCW Tower Bypass to Basin Vlv	MO	1X4DB133-1 F-5	O/C	C	AI	A	RO	Q	~	~	
1-HV-1669A	3 / 313	B	24" BU	NSCW Tower Ret Hdr Stop Vlv	MO	1X4DB133-2 G-5	O/C	O	AI	A	RO	Q	~	~	
1-HV-1669B	3 / 313	B	18" BU	NSCW Tower Bypass to Basin Vlv	MO	1X4DB133-2 F-5	O/C	C	AI	A	RO	Q	~	~	
1-HV-2134	2 / 212	B	8" BU	NSCW to CTB Aux and Rx Cav Cooling Iso Vlv	MO	1X4DB135-1 C-5	O	C	AI	A	RO	Q	~	~	
1-HV-2135	2 / 212	B	8" BU	NSCW to CTB Aux and Rx Cav Cooling Iso Vlv	MO	1X4DB135-2 D-7	O	C	AI	A	RO	Q	~	~	
1-HV-2138	2 / 212	B	8" BU	NSCW Ret From CTB Aux and Rx Cav Cooling Iso Vlv	MO	1X4DB135-1 B-2	O	C	AI	A	RO	Q	~	~	
1-HV-2139	2 / 212	B	8" BU	NSCW Ret From CTB Aux and Rx Cav Cooling Iso Vlv	MO	1X4DB135-2 D-5	O	C	AI	A	RO	Q	~	~	
1-PSV-11673	2 / 212	C	3/4" RV	Rx Cav Cooler RV	SA	1X4DB135-1 C-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11743	3 / 313	C	1" RV	Char Pmp Lub Oil Cooler RV	SA	1X4DB134 F-8	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11744	3 / 313	C	1 1/2" RV	Char Pmp Mot Cooler RV	SA	1X4DB134 F-7	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11745	3 / 313	C	1" RV	SI Pmp Lub Oil Cooler RV	SA	1X4DB134 F-6	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1202

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-PSV-11746	3 / 313	C	1 1/2" RV	SI Pmp Mot Oil Cooler RV	SA	1X4DB134 F-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11747	3 / 313	C	1" RV	Ctmt Spray Pmp Mot Cooler RV	SA	1X4DB134 F-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11748	3 / 313	C	1" RV	RHR Pmp Mot Cooler RV	SA	1X4DB134 F-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11749	3 / 313	C	1" RV	Char Pmp Lub Oil Cooler RV	SA	1X4DB134 C-6	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11750	3 / 313	C	1 1/2" RV	Char Pmp Mot Cooler RV	SA	1X4DB134 C-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11751	3 / 313	C	1" RV	SI PmpLub Oil Cooler RV	SA	1X4DB134 C-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11752	3 / 313	C	1 1/2" RV	SI Pmp Mot Oil Cooler RV	SA	1X4DB134 C-3	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11753	3 / 313	C	1" RV	Ctmt Spray Pmp Mot Cooler RV	SA	1X4DB134 C-2	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11754	3 / 313	C	1" RV	RHR Pmp Mot Cooler RV	SA	1X4DB134 C-1	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11759	3 / 313	C	8" RV	NSCW Ret Hdr RV	SA	1X4DB133-1 G-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11766	3 / 313	C	8" RV	NSCW Ret Hdr RV	SA	1X4DB133-2 G-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-11772	2 / 212	C	3/4" RV	CTB Aux Air Cooler RV	SA	1X4DB135-2 E-6	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-2136	2 / 212	C	3/4" RV	CTB Aux Air Cooler RV	SA	1X4DB135-1 D-3	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-2137	2 / 212	C	3/4" RV	Rx Cav Cooler RV	SA	1X4DB135-2 G-5	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1203

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1203-U4-030	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	1X4DB136 H-4	O/C	O/C	~	A	~	Q	~	~	
1-1203-U4-032	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	1X4DB136 G-4	O/C	O/C	~	A	~	Q	~	~	
1-1203-U4-034	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	1X4DB136 F-4	O/C	O/C	~	A	~	Q	~	~	
1-1203-U4-055	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	1X4DB136 D-4	O/C	O/C	~	A	~	Q	~	~	
1-1203-U4-057	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	1X4DB136 C-4	O/C	O/C	~	A	~	Q	~	~	
1-1203-U4-059	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	1X4DB136 B-4	O/C	O/C	~	A	~	Q	~	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1204-U4-026	1 / 111	C	1.50" CH	RCS Cold Leg SI Admis CH	SA	1X4DB111 D-5	C	O	~	A	~	RO	~	~	ROJ-3
1-1204-U4-027	1 / 111	C	1.50" CH	RCS Cold Leg SI Admis CH	SA	1X4DB111 G-5	C	O	~	A	~	RO	~	~	ROJ-3
1-1204-U4-028	1 / 111	C	1.50" CH	RCS Cold Leg SI Admis CH	SA	1X4DB111 G-4	C	O	~	A	~	RO	~	~	ROJ-3
1-1204-U4-029	1 / 111	C	1.50" CH	RCS Cold Leg SI Admis CH	SA	1X4DB111 D-4	C	O	~	A	~	RO	~	~	ROJ-3
1-1204-U4-093	2 / 212	C	1.50" CH	SI Pmp Min Flow Disch CH	SA	1X4DB121 E-3	C	O/C	~	A	~	Q	~	~	
1-1204-U4-094	2 / 212	C	1.50" CH	SI Pmp Min Flow Disch CH	SA	1X4DB121 D-3	C	O/C	~	A	~	Q	~	~	
1-1204-U4-120	1 / 111	AC	2" CH	SI to RCS Hot Leg Iso CH	SA	1X4DB121 F-6	C	O/C	~	A	~	RO	~	RO	ROJ-4
1-1204-U4-121	1 / 111	AC	2" CH	SI to RCS Hot Leg Iso CH	SA	1X4DB121 F-6	C	O/C	~	A	~	RO	~	RO	ROJ-4
1-1204-U4-122	1 / 111	AC	2" CH	SI to RCS Hot Leg Iso CH	SA	1X4DB121 F-7	C	O/C	~	A	~	RO	~	RO	ROJ-4
1-1204-U4-123	1 / 111	AC	2" CH	SI to RCS Hot Leg Iso CH	SA	1X4DB121 F-7	C	O/C	~	A	~	RO	~	RO	ROJ-4
1-1204-U4-143	1 / 111	AC	2" CH	SI To RCS Cold Leg Iso CH	SA	1X4DB121 B-6	C	O/C	~	A	~	RO	~	RO	ROJ-4
1-1204-U4-144	1 / 111	AC	2" CH	SI To RCS Cold Leg Iso CH	SA	1X4DB121 B-7	C	O/C	~	A	~	RO	~	RO	ROJ-4
1-1204-U4-145	1 / 111	AC	2" CH	SI To RCS Cold Leg Iso CH	SA	1X4DB121 B-7	C	O/C	~	A	~	RO	~	RO	ROJ-4
1-1204-U4-146	1 / 111	AC	2" CH	SI To RCS Cold Leg Iso CH	SA	1X4DB121 B-8	C	O/C	~	A	~	RO	~	RO	ROJ-4
1-1204-U4-159	2 / 212	A	3/4" GL	SI Accum Sam Man Iso Vlv	MA	1X4DB120 G-2	C	C	~	P	~	~	~	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1204-U4-160	2 / 212	A	3/4" GL	SI Accum Sam Man Iso Vlv	MA	1X4DB120 E-2	C	C	~	P	~	~	~	AJ	
1-1204-U4-161	2 / 212	A	3/4" GL	SI Accum Sam Man Iso Vlv	MA	1X4DB120 C-2	C	C	~	P	~	~	~	AJ	
1-1204-U4-162	2 / 212	A	3/4" GL	SI Accum Sam Man Iso Vlv	MA	1X4DB120 A-2	C	C	~	P	~	~	~	AJ	
1-1204-U4-262	2 / 212	C	3" CH	RWST Sludge Mixing Pmp Disch CH	SA	1X4DB121 G-3	O/C	C	~	A	~	RO	~	~	ROJ-5
1-1204-U4-263	2 / 212	C	3" CH	RWST Sludge Mixing Pmp Disch CH	SA	1X4DB121 G-3	O/C	C	~	A	~	RO	~	~	ROJ-5
1-1204-U6-013	1 / 111	C	3" CH	SI From BIT To RCS Cold Legs CH	SA	1X4DB119 E-6	C	O/C	~	A	~	RO	~	~	ROJ-6
1-1204-U6-079	1 / 111	AC	10" CH	SI Accum Disch CH	SA	1X4DB120 G-8	C	O/C	~	A	~	RO	~	RO	ROJ-7
1-1204-U6-080	1 / 111	AC	10" CH	SI Accum Disch CH	SA	1X4DB120 E-8	C	O/C	~	A	~	RO	~	RO	ROJ-7
1-1204-U6-081	1 / 111	AC	10" CH	SI Accum Disch CH	SA	1X4DB120 C-8	C	O/C	~	A	~	RO	~	RO	ROJ-7
1-1204-U6-082	1 / 111	AC	10" CH	SI Accum Disch CH	SA	1X4DB120 A-8	C	O/C	~	A	~	RO	~	RO	ROJ-7
1-1204-U6-083	1 / 111	AC	10" CH	SI/RHR Cold Leg Admis CH	SA	1X4DB111 B-5	C	O/C	~	A	~	RO PCS	~	RO	ROJ-8
1-1204-U6-084	1 / 111	AC	10" CH	SI/RHR Cold Leg Admis CH	SA	1X4DB111 H-5	C	O/C	~	A	~	RO PCS	~	RO	ROJ-8
1-1204-U6-085	1 / 111	AC	10" CH	SI/RHR Cold Leg Admis CH	SA	1X4DB111 H-4	C	O/C	~	A	~	RO PCS	~	RO	ROJ-8
1-1204-U6-086	1 / 111	AC	10" CH	SI/RHR Cold Leg Admis CH	SA	1X4DB111 B-4	C	O/C	~	A	~	RO PCS	~	RO	ROJ-8
1-1204-U6-090	2 / 212	C	8" CH	SI Suc Line CH	SA	1X4DB121 E-1	C	O	~	A	~	RO PQ	~	~	ROJ-9

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1204-U6-098	2 / 212	C	4" CH	SI Pmp Disch CH	SA	1X4DB121 E-4	C	O/C	~	A	~	RO PQ	~	~	ROJ-10
1-1204-U6-099	2 / 212	C	4" CH	SI Pmp Disch CH	SA	1X4DB121 D-3	C	O/C	~	A	~	RO PQ	~	~	ROJ-10
1-1204-U6-124	1 / 111	AC	6" CH	RCS Hot Leg SI Admis CH	SA	1X4DB111 F-5	C	O/C	~	A	~	RO	~	RO	ROJ-4
1-1204-U6-125	1 / 111	AC	6" CH	RCS Hot Leg SI Admis CH	SA	1X4DB111 D-3	C	O/C	~	A	~	CS RO	~	RO	CSJ-4 ROJ-11
1-1204-U6-126	1 / 111	AC	6" CH	RCS Hot Leg SI Admis CH	SA	1X4DB111 D-6	C	O/C	~	A	~	CS RO	~	RO	CSJ-4 ROJ-11
1-1204-U6-127	1 / 111	AC	6" CH	RCS Hot Leg SI Admis CH	SA	1X4DB111 F-4	C	O/C	~	A	~	RO	~	RO	ROJ-4
1-1204-U6-128	1 / 111	AC	8" CH	RHR To RCS Hot Leg Iso CH	SA	1X4DB121 F-6	C	O/C	~	A	~	CS RO	~	RO	CSJ-4 ROJ-11
1-1204-U6-129	1 / 111	AC	8" CH	RHR To RCS Hot Leg Iso CH	SA	1X4DB121 F-6	C	O/C	~	A	~	CS RO	~	RO	CSJ-4 ROJ-11
1-1204-U6-147	1 / 111	AC	6" CH	RHR To RCS Cold Leg Iso CH	SA	1X4DB121 B-6	C	O/C	~	A	~	CS RO	~	RO	CSJ-5 ROJ-12
1-1204-U6-148	1 / 111	AC	6" CH	RHR To RCS Cold Leg Iso CH	SA	1X4DB121 A-6	C	O/C	~	A	~	CS RO	~	RO	CSJ-5 ROJ-12
1-1204-U6-149	1 / 111	AC	6" CH	RHR To RCS Cold Leg Iso CH	SA	1X4DB121 A-7	C	O/C	~	A	~	CS RO	~	RO	CSJ-5 ROJ-12
1-1204-U6-150	1 / 111	AC	6" CH	RHR To RCS Cold Leg Iso CH	SA	1X4DB121 A-7	C	O/C	~	A	~	CS RO	~	RO	CSJ-5 ROJ-12
1-1204-U6-163	2 / 212	C	8" CH	RHR Pmp to SI Pmps Suc Iso	SA	1X4DB122 B-8	C	O	~	A	~	RO	~	~	ROJ-13
1-HV-0943A	3 / 313	B	1" GL	SI Accum Nitrogen Vent Vlv	SO	1X4DB120 E-1	C	O/C	C	A	RO	Q	Q	~	
1-HV-0943B	3 / 313	B	1" GL	SI Accum Nitrogen Vent Vlv	SO	1X4DB120 D-1	C	O/C	C	A	RO	Q	Q	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-10950	2 / 212	A	3/4" GL	SI Accum Sam Iso Vlv	SO	1X4DB120 G-3	O/C	C	C	A	RO	Q	Q	AJ	
1-HV-10951	2 / 212	A	3/4" GL	SI Accum Sam Iso Vlv	SO	1X4DB120 E-3	O/C	C	C	A	RO	Q	Q	AJ	
1-HV-10952	2 / 212	A	3/4" GL	SI Accum Sam Iso Vlv	SO	1X4DB120 C-3	O/C	C	C	A	RO	Q	Q	AJ	
1-HV-10953	2 / 212	A	3/4" GL	SI Accum Sam Iso Vlv	SO	1X4DB120 A-3	O/C	C	C	A	RO	Q	Q	AJ	
1-HV-10957	2 / 212	B	3" GA	RWST Sludge Mixing Pmp Suc Vlv	AO	1X4DB121 G-3	O/C	C	C	A	RO	Q	Q	~	
1-HV-10958	2 / 212	B	3" GA	RWST Sludge Mixing Pmp Suc Vlv	AO	1X4DB121 G-3	O/C	C	C	A	RO	Q	Q	~	
1-HV-8801A	2 / 212	B	4" GA	BIT Outlet to RCS Cold Legs, Obrd Ctmt Iso Vlv	MO	1X4DB119 F-5	C	O	AI	A	RO	Q	~	~	
1-HV-8801B	2 / 212	B	4" GA	BIT Outlet to RCS Cold Legs, Obrd Ctmt Iso Vlv	MO	1X4DB119 E-5	C	O	AI	A	RO	Q	~	~	
1-HV-8802A	2 / 212	B	4" GA	SI to RCS Hot Legs, Obrd Ctmt Iso Vlv	MO	1X4DB121 E-5	C	O/C	AI	A	RO	CS	~	~	CSJ-6
1-HV-8802B	2 / 212	B	4" GA	SI to RCS Hot Legs, Obrd Ctmt Iso Vlv	MO	1X4DB121 D-5	C	O/C	AI	A	RO	CS	~	~	CSJ-6
1-HV-8806	2 / 212	B	6" GA	SI Pmp Suc From RWST	MO	1X4DB121 E-1	O	O/C	AI	A	RO	CS	~	~	CSJ-7
1-HV-8807A	2 / 212	B	6" GA	SI Pmp Suc from Char Pmp Suc Hdr	MO	1X4DB121 D-2	C	O	AI	A	RO	Q	~	~	
1-HV-8807B	2 / 212	B	6" GA	SI Pmp Suc from Char Pmp Suc Hdr	MO	1X4DB121 D-2	C	O	AI	A	RO	Q	~	~	
1-HV-8809A	2 / 212	B	8" GA	RHR Disch To Cold Legs From RHR Hx	MO	1X4DB121 B-5	O	O/C	AI	A	RO	CS	~	~	CSJ-8
1-HV-8809B	2 / 212	B	8" GA	RHR Disch To Cold Legs From RHR Hx	MO	1X4DB121 A-5	O	O/C	AI	A	RO	CS	~	~	CSJ-8

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-8813	2 / 212	B	2" GL	SI Min Flow Hdr Iso Vlv	MO	1X4DB121 F-5	O	O/C	AI	A	RO	CS	~	~	CSJ-9
1-HV-8814	2 / 212	B	1.50" GL	SI Pmp Min Flow Line Iso Vlv	MO	1X4DB121 E-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-8821A	2 / 212	B	4" GA	SI Pmp Cold Leg Disch Stop Vlv	MO	1X4DB121 E-4	O	O/C	AI	A	RO	Q	~	~	
1-HV-8821B	2 / 212	B	4" GA	SI Pmp Cold Leg Disch Stop Vlv	MO	1X4DB121 D-4	O	O/C	AI	A	RO	Q	~	~	
1-HV-8823	2 / 212	B	3/4" GL	SI Cold Leg Inj Test Line Vlv	AO	1X4DB121 C-8	O/C	C	C	A	RO	Q	Q	~	
1-HV-8824	2 / 212	B	3/4" GL	SI CH Hot Leg 2 and 3 Test Vlv	AO	1X4DB121 E-8	O/C	C	C	A	RO	Q	Q	~	
1-HV-8825	2 / 212	B	3/4" GL	RHR To Hot Leg Test Line Vlv	AO	1X4DB121 D-8	O/C	C	C	A	RO	Q	Q	~	
1-HV-8835	2 / 212	B	4" GA	SI Hdr Cold Leg Disch Stop Vlv	MO	1X4DB121 C-5	O	O/C	AI	A	RO	CS	~	~	CSJ-10
1-HV-8840	2 / 212	B	12" GA	Hot Leg Crossover Iso Vlv	MO	1X4DB121 B-4	C	O/C	AI	A	RO	CS	~	~	CSJ-11
1-HV-8843	2 / 212	B	3/4" GL	BIT Test/Recir Vlv	AO	1X4DB119 D-6	O/C	C	C	A	RO	Q	Q	~	
1-HV-8871	2 / 212	A	3/4" GL	Accum Test Line Inbrd Ctmt Iso Vlv	AO	1X4DB121 H-6	O/C	C	C	A	RO	Q	Q	AJ	
1-HV-8875A	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	1X4DB120 H-3	C	O/C	C	A	RO	Q	Q	~	
1-HV-8875B	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	1X4DB120 F-3	C	O/C	C	A	RO	Q	Q	~	
1-HV-8875C	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	1X4DB120 D-3	C	O/C	C	A	RO	Q	Q	~	
1-HV-8875D	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	1X4DB120 B-3	C	O/C	C	A	RO	Q	Q	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-8875E	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	1X4DB120 G-3	C	O/C	C	A	RO	Q	Q	~	
1-HV-8875F	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	1X4DB120 E-3	C	O/C	C	A	RO	Q	Q	~	
1-HV-8875G	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	1X4DB120 D-3	C	O/C	C	A	RO	Q	Q	~	
1-HV-8875H	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	1X4DB120 B-3	C	O/C	C	A	RO	Q	Q	~	
1-HV-8881	2 / 212	B	3/4" GL	SI CH Hot Leg 1 and 4 Test Vlv	AO	1X4DB121 G-6	O/C	C	C	A	RO	Q	Q	~	
1-HV-8888	2 / 212	A	3/4" GL	Accum Fill Iso Vlv	AO	1X4DB121 F-5	O/C	C	C	A	RO	Q	Q	AJ	
1-HV-8890A	2 / 212	B	3/4" GL	SI RHR Pmp CH Test Vlv	AO	1X4DB121 G-8	O/C	C	C	A	RO	Q	Q	~	
1-HV-8890B	2 / 212	B	3/4" GL	SI RHR Pmp CH Test Vlv	AO	1X4DB121 E-8	O/C	C	C	A	RO	Q	Q	~	
1-HV-8920	2 / 212	B	1.50" GL	SI Pmp Min Flow Line Iso Vlv	MO	1X4DB121 D-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-8924	2 / 212	B	6" GA	CVCS/SI Suc Hdr Intertie Iso Vlv	MO	1X4DB116-2 A-7	O	C	AI	A	RO	Q	~	~	
1-HV-8964	2 / 212	A	3/4" GL	Accum Test Line Obrd Ctmt Iso Vlv	AO	1X4DB121 H-5	O/C	C	C	A	RO	Q	Q	AJ	
1-HV-9017A	2 / 212	B	10" GA	RWST to Ctmt Spray Pmp Iso Vlv	MO	1X4DB131 F-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-9017B	2 / 212	B	10" GA	RWST to Ctmt Spray Pmp Iso Vlv	MO	1X4DB131 E-3	O	O/C	AI	A	RO	Q	~	~	
1-PSV-8851	2 / 212	C	3/4" RV	SI Cold Leg Inj Hdr RV	SA	1X4DB121 C-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8853A	2 / 212	C	3/4" RV	SI Pmp Disch RV	SA	1X4DB121 E-4	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-PSV-8853B	2 / 212	C	3/4" RV	SI Pmp Disch RV	SA	1X4DB121 D-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8858	2 / 212	C	3/4" RV	SI Pmp Suc Hdr RV	SA	1X4DB121 E-1	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8871	2 / 212	C	3/4" RV	Pen 41 Thermal RV	SA	1X4DB121 H-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8916A	2 / 212	C	3/4" RV	SI Pmp Suc RV	SA	1X4DB121 E-3	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8916B	2 / 212	C	3/4" RV	SI Pmp Suc RV	SA	1X4DB121 D-2	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1205

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1205-U4-122	2 / 212	C	14" CH	RHR Pmp Suc CH from Cmtt Sump	SA	1X4DB122 C-3	C	O/C	~	A	~	RO	~	~	ROJ-14
1-1205-U4-123	2 / 212	C	14" CH	RHR Pmp Suc CH from Cmtt Sump	SA	1X4DB122 B-3	C	O/C	~	A	~	RO	~	~	ROJ-14
1-1205-U6-001	2 / 212	C	12" CH	RHR Pmp Sup Iso From RWST CH	SA	1X4DB122 F-4	C	O/C	~	A	~	CS PQ Q	~	~	CSJ-12
1-1205-U6-002	2 / 212	C	12" CH	RHR Pmp Sup Iso From RWST CH	SA	1X4DB122 C-4	C	O/C	~	A	~	CS PQ Q	~	~	CSJ-12
1-1205-U6-009	2 / 212	C	8" CH	RHR Pmp Disch CH	SA	1X4DB122 G-5	C	O	~	A	~	CS PQ	~	~	CSJ-13
1-1205-U6-010	2 / 212	C	8" CH	RHR Pmp Disch CH	SA	1X4DB122 D-5	C	O	~	A	~	CS PQ	~	~	CSJ-13
1-FV-0610	2 / 212	B	3" GA	RHR Pmp Min Flow Ctrl Vlv	MO	1X4DB122 H-5	O	O/C	AI	A	RO	Q	~	~	
1-FV-0611	2 / 212	B	3" GA	RHR Pmp Min Flow Ctrl Vlv	MO	1X4DB122 E-5	O	O/C	AI	A	RO	Q	~	~	
1-HV-8716A	2 / 212	B	8" GA	RHR Train A to Hot Leg Cross-over Iso Vlv	MO	1X4DB122 F-7	O	O/C	AI	A	RO	Q	~	~	
1-HV-8716B	2 / 212	B	8" GA	RHR Train B to Hot Leg Cross-over Iso Vlv	MO	1X4DB122 D-7	O	O/C	AI	A	RO	Q	~	~	
1-HV-8804A	2 / 212	B	8" GA	RHR Pmp "A" Disch to Char Pmp Suc Hdrs	MO	1X4DB122 F-8	C	O/C	AI	A	RO	CS	~	~	CSJ-14
1-HV-8804B	2 / 212	B	8" GA	RHR Pmp "B" To SI Pmp "B" Iso Vlv	MO	1X4DB122 B-8	C	O/C	AI	A	RO	CS	~	~	CSJ-15
1-HV-8811A	2 / 212	B	14" GA	RHR Pmp Suc Iso From Cmtt Sump	MO	1X4DB122 B-3	C	O/C	AI	A	RO	Q	~	~	
1-HV-8811B	2 / 212	B	14" GA	RHR Pmp Suc Iso From Cmtt Sump	MO	1X4DB122 B-3	C	O/C	AI	A	RO	Q	~	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1205

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-8812A	2 / 212	B	12" GA	RHR Pmp Sup Iso From RWST	MO	1X4DB122 F-4	O	O/C	AI	A	RO	Q	~	~	
1-HV-8812B	2 / 212	B	12" GA	RHR Pmp Sup Iso From RWST	MO	1X4DB122 C-4	O	O/C	AI	A	RO	Q	~	~	
1-PSV-8708A	2 / 212	C	3" RV	RHR Pmp Suc RV	SA	1X4DB122 H-3	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8708B	2 / 212	C	3" RV	RHR Pmp Suc RV	SA	1X4DB122 E-3	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8842	2 / 212	C	3/4" RV	RHR Hot Leg Cross- over Line RV	SA	1X4DB121 C-3	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8856A	2 / 212	C	3/4" RV	RHR Hx Disch Hdr to Cold Leg RV	SA	1X4DB121 B-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8856B	2 / 212	C	3/4" RV	RHR Hx Disch Hdr to Cold Leg RV	SA	1X4DB121 A-4	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1206

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1206-U6-001	2 / 212	C	10" CH	Ctmt Spray Pmp Suc From RWST CH	SA	1X4DB131 G-3	C	O/C	~	A	~	RO PQ	~	~	ROJ-15
1-1206-U6-008	2 / 212	C	10" CH	Ctmt Spray Pmp Suc From RWST CH	SA	1X4DB131 D-3	C	O/C	~	A	~	RO PQ	~	~	ROJ-15
1-1206-U6-015	2 / 212	AC	8" CH	Ctmt Spray Inbrd Ctmt Iso CH	SA	1X4DB131 H-7	C	O/C	~	A	~	RO	~	AJ	ROJ-16
1-1206-U6-016	2 / 212	AC	8" CH	Ctmt Spray Inbrd Ctmt Iso CH	SA	1X4DB131 C-7	C	O/C	~	A	~	RO	~	AJ	ROJ-16
1-HV-9001A	2 / 212	A	8" GA	Ctmt Spray Pmp Suc From Ctmt Sump Inbrd Iso Vlv	MO	1X4DB131 G-6	C	O/C	AI	A	RO	Q	~	AJ	
1-HV-9001B	2 / 212	A	8" GA	Ctmt Spray Pmp Suc From Ctmt Sump Inbrd Iso Vlv	MO	1X4DB131 C-6	C	O/C	AI	A	RO	Q	~	AJ	
1-HV-9002A	2 / 212	B	10" GA	Ctmt Spray Pmp Suc From Ctmt Sump Inbrd Iso Vlv	MO	1X4DB131 B-6	C	O/C	AI	A	RO	Q	~	~	
1-HV-9002B	2 / 212	B	10" GA	Ctmt Spray Pmp Suc From Ctmt Sump Inbrd Iso Vlv	MO	1X4DB131 C-6	C	O/C	AI	A	RO	Q	~	~	
1-HV-9003A	2 / 212	B	10" GA	Ctmt Spray Pmp Suc From Ctmt Sump Obrd Iso Vlv	MO	1X4DB131 B-5	C	O	AI	A	RO	Q	~	~	
1-HV-9003B	2 / 212	B	10" GA	Ctmt Spray Pmp Suc From Ctmt Sump Obrd Iso Vlv	MO	1X4DB131 C-5	C	O	AI	A	RO	Q	~	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1208

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1208-U4-004	2 / 212	C	1.5" CH	RCP Seal Inj Inbrd CH	SA	1X4DB114 B-7	O	C	~	A	~	RO	~	~	ROJ-17
1-1208-U4-021	2 / 212	AC	3/4" CH	RCS Seal Water Ret Line Pressure Equalizing CH	SA	1X4DB114 D-4	C	O/C	~	A	~	RO	~	AJ	ROJ-18
1-1208-U4-140	2 / 212	C	2" CH	Cent Char Pmp Disch Recir Line CH	SA	1X4DB116-2 G-6	C	O	~	A	~	Q	~	~	
1-1208-U4-147	2 / 212	C	2" CH	Cent Char Pmp Disch Recir Line CH	SA	1X4DB116-2 C-6	C	O/C	~	A	~	Q	~	~	
1-1208-U4-185	2 / 212	C	2" CH	Emergency Boration to Char Pmp Suc CH	SA	1X4DB116-1 D-1	C	O	~	A	~	CS	~	~	CSJ-16
1-1208-U4-284	3 / 313	C	2" CH	Boric Acid Tran Pmp Disch CH	SA	1X4DB118 D-5	C	O/C	~	A	~	Q	~	~	
1-1208-U4-299	3 / 313	C	2" CH	Boric Acid Tran Pmp Disch CH	SA	1X4DB118 B-5	C	O/C	~	A	~	Q	~	~	
1-1208-U4-353	2 / 212	C	1.5" CH	RCP Seal Inj Inbrd CH	SA	1X4DB114 B-7	O	C	~	A	~	RO	~	~	ROJ-17
1-1208-U4-354	2 / 212	C	1.5" CH	RCP Seal Inj Inbrd CH	SA	1X4DB114 B-7	O	C	~	A	~	RO	~	~	ROJ-17
1-1208-U4-355	2 / 212	C	1.5" CH	RCP Seal Inj Inbrd CH	SA	1X4DB114 B-7	O	C	~	A	~	RO	~	~	ROJ-17
1-1208-U6-032	2 / 212	AC	3" CH	Main Char Hdr CH	SA	1X4DB114 G-3	O	O/C	~	A	~	Q RO	~	AJ	ROJ-19
1-1208-U6-124	2 / 212	C	4" CH	Char Pmp Sup From VCT CH	SA	1X4DB116-1 E-4	O	C	~	A	~	RO	~	~	ROJ-20
1-1208-U6-129	2 / 212	C	3" CH	Normal Char Pmp Disch Line CH	SA	1X4DB116-1 C-5	O	C	~	A	~	Q	~	~	
1-1208-U6-142	2 / 212	C	4" CH	Cent Char Pmp Disch CH	SA	1X4DB116-2 G-6	C	O/C	~	A	~	RO PQ	~	~	ROJ-21
1-1208-U6-149	2 / 212	C	4" CH	Cent Char Pmp Disch CH	SA	1X4DB116-2 C-6	C	O/C	~	A	~	RO PQ	~	~	ROJ-21

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1208

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1208-U6-189	2 / 212	C	8" CH	Cent Char Pmp Suc From RWST CH	SA	1X4DB116-2 E-2	C	O/C	~	A	~	RO PCS	~	~	ROJ-22
1-1208-U6-436	2 / 212	C	8" CH	RHR Pmp "A" Disch to Char Pmp Suc Hdrs CH	SA	1X4DB122 F-8	C	O	~	A	~	RO PCS	~	~	ROJ-23
1-FV-0111A	3 / 313	B	2" GL	Dilution Ctrl Vlv	AO	1X4DB116-1 F-1	O/C	C	C	A	RO	Q	Q	~	
1-HV-0190A	2 / 212	B	1" GL	Char Throttle Vlv	SO	1X4DB116-2 G-7	C	O	C	A	RO	Q	~	~	
1-HV-0190B	2 / 212	B	1" GL	Char Throttle Vlv	SO	1X4DB116-2 B-7	C	O	C	A	RO	Q	~	~	
1-HV-8100	2 / 212	A	2" GL	RCP Seal Water Leakoff Ctmt Iso Vlv	MO	1X4DB114 D-3	O	C	AI	A	RO	CS	CS	AJ	CSJ-17
1-HV-8103A	2 / 212	B	1.5" GL	RCP Seal Inj Iso Vlv	MO	1X4DB114 B-6	O	C	AI	A	RO	RO	~	~	ROJ-24
1-HV-8103B	2 / 212	B	1.5" GL	RCP Seal Inj Iso Vlv	MO	1X4DB114 B-6	O	C	AI	A	RO	RO	~	~	ROJ-24
1-HV-8103C	2 / 212	B	1.5" GL	RCP Seal Inj Iso Vlv	MO	1X4DB114 B-6	O	C	AI	A	RO	RO	~	~	ROJ-24
1-HV-8103D	2 / 212	B	1.5" GL	RCP Seal Inj Iso Vlv	MO	1X4DB114 B-6	O	C	AI	A	RO	RO	~	~	ROJ-24
1-HV-8104	2 / 212	B	2" GL	Emergency Borate Iso Vlv	MO	1X4DB116-1 D-1	C	O/C	AI	A	RO	Q	~	~	
1-HV-8105	2 / 212	A	3" GA	Char Pmp to RCS Ctmt Iso Vlv	MO	1X4DB116-1 C-8	O	O/C	AI	A	RO	CS	~	AJ	CSJ-18
1-HV-8106	2 / 212	B	3" GA	Char Pmp to RCS Iso Vlv	MO	1X4DB116-1 C-7	O	C	AI	A	RO	CS	~	~	CSJ-19
1-HV-8110	2 / 212	B	2" GL	Cent Char Pmp Common Recir to RCS Seal Water Iso Vlv	MO	1X4DB116-2 E-7	O	C	AI	A	RO	Q	~	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1208

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-8111A	2 / 212	B	2" GL	Cent Char Pmp Recir to RCS Seal Water Iso Vlv	MO	1X4DB116-2 F-6	O	C	AI	A	RO	Q	~	~	
1-HV-8111B	2 / 212	B	2" GL	Cent Char Pmp Recir to RCS Seal Water Iso Vlv	MO	1X4DB116-2 D-6	O	C	AI	A	RO	Q	~	~	
1-HV-8112	2 / 212	A	2" GL	RCPS Seal Water Leakoff Ctmnt Iso Vlv	MO	1X4DB114 D-3	O	C	AI	A	RO	CS	~	AJ	CSJ-17
1-HV-8116	2 / 212	B	1" GL	Char Iso Vlv	MO	1X4DB116-2 G-8	C	O	AI	A	RO	Q	~	~	
1-HV-8152	2 / 212	A	3" GL	RCS Ltdwn Line Iso Vlv	AO	1X4DB114 G-3	O	C	C	A	RO	CS	CS	AJ	CSJ-20
1-HV-8160	2 / 212	A	3" GL	RCS Ltdwn Line Iso Vlv	AO	1X4DB114 G-3	O	C	C	A	RO	CS	CS	AJ	CSJ-20
1-HV-8471A	2 / 212	B	6" GA	Cent Char Pmp Suc Iso Vlv	MO	1X4DB116-2 G-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-8471B	2 / 212	B	6" GA	Cent Char Pmp Suc Iso Vlv	MO	1X4DB116-2 C-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-8508A	2 / 212	B	2" GL	Cent Char Pmp Alt Mini-Flow to RWST Iso Vlv	MO	1X4DB116-2 G-5	C	O/C	AI	A	RO	CS	~	~	CSJ-21
1-HV-8508B	2 / 212	B	2" GL	Cent Char Pmp Alt Mini-Flow to RWST Iso Vlv	MO	1X4DB116-2 D-5	C	O/C	AI	A	RO	CS	~	~	CSJ-21
1-HV-8509A	2 / 212	B	2" GL	Cent Char Pmp Alt Mini-Flow to RWST Iso Vlv	MO	1X4DB116-2 D-5	O	C	AI	A	RO	Q	~	~	
1-HV-8509B	2 / 212	B	2" GL	Cent Char Pmp Alt Mini-Flow to RWST Iso Vlv	MO	1X4DB116-2 G-5	O	C	AI	A	RO	Q	~	~	
1-LV-0112B	2 / 212	B	4" GA	VCT Outlet Iso Vlv	MO	1X4DB116-1 F-4	O	C	AI	A	RO	CS	~	~	CSJ-22

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1208

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-LV-0112C	2 / 212	B	4" GA	VCT Outlet Iso Vlv	MO	1X4DB116-1 E-4	O	C	AI	A	RO	CS	~	~	CSJ-22
1-LV-0112D	2 / 212	B	8" GA	RWST To Char Pmp Suc Iso Vlv	MO	1X4DB116-2 E-2	C	O/C	AI	A	RO	CS	~	~	CSJ-23
1-LV-0112E	2 / 212	B	8" GA	RWST To Char Pmp Suc Iso Vlv	MO	1X4DB116-2 D-2	C	O/C	AI	A	RO	CS	~	~	CSJ-23
1-PSV-8121	2 / 212	C	2" RV	RCP Seal Water Ret Hdr RV	SA	1X4DB114 D-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-8124	2 / 212	C	3/4" RV	Char Pmp Suc Hdr RV	SA	1X4DB116-1 C-3	C	O/C	C	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1212

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-3502	2 / 212	A	1/2" GL	RC Hot Legs Sam Hdr Ctmt Iso Vlv	AO	1X4DB140 E-7	O	C	C	A	RO	Q	Q	AJ	
1-HV-3507	2 / 212	A	1/2" GL	PRZR Liquid Space Sam Line Ctmt Iso Vlv	AO	1X4DB140 G-7	C	C	C	A	RO	Q	Q	AJ	
1-HV-3508	2 / 212	A	1/2" GL	PRZR Liquid Space Sam Line Ctmt Iso Vlv	AO	1X4DB140 G-7	C	C	C	A	RO	Q	Q	AJ	
1-HV-3513	2 / 212	A	1/2" GL	PRZR Steam Space Sam Line Ctmt Iso Vlv	AO	1X4DB140 F-8	C	C	C	A	RO	Q	Q	AJ	
1-HV-3514	2 / 212	A	1/2" GL	PRZR Steam Space Sam Line Ctmt Iso Vlv	AO	1X4DB140 F-7	C	C	C	A	RO	Q	Q	AJ	
1-HV-3548	2 / 212	A	1/2" GL	RC Hot Legs Sam Hdr Ctmt Iso Vlv	MO	1X4DB140 D-8	O	C	AI	A	RO	Q	~	AJ	
1-HV-8220	2 / 212	A	1/2" GL	RC Hot Legs Sam Hdr Ctmt Iso Vlv	SO	1X4DB140 D-7	C	C	C	A	RO	Q	Q	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1213

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1213-U6-050	2 / 212	A	3" DI	RF Pur from SFP Pmp to Rx Cav CIV	MA	1X4DB130 G-8	C	C	~	P	~	~	~	AJ	
1-1213-U6-051	2 / 212	A	3" DI	RF Pur from SFP Pmp to Rx Cav CIV	MA	1X4DB130 G-8	C	C	~	P	~	~	~	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1214

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-0780	2 / 212	A	3" GA	Ctmt/Rx Cav Sump Pmp Disch Ctmt Iso Vlv	AO	1X4DB143 G-6	O	C	C	A	RO	Q	Q	AJ	
1-HV-0781	2 / 212	A	3" GA	Ctmt/Rx Cav Sump Pmp Disch Ctmt Iso Vlv	AO	1X4DB143 G-6	O	C	C	A	RO	Q	Q	AJ	
1-PSV-0780	2 / 212	C	3/4" RV	Pen 78 Thermal RV	SA	1X4DB143 H-6	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1217

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1217-U4-084	3 / 313	C	2.50" CH	ACCW To RCP Thermal Barrier Iso CH	SA	1X4DB138-2 E-6	O	C	~	A	~	RO	~	~	ROJ-25
1-1217-U4-085	3 / 313	C	2.50" CH	ACCW To RCP Thermal Barrier Iso CH	SA	1X4DB138-2 C-6	O	C	~	A	~	RO	~	~	ROJ-25
1-1217-U4-086	3 / 313	C	2.50" CH	ACCW To RCP Thermal Barrier Iso CH	SA	1X4DB138-2 B-3	O	C	~	A	~	RO	~	~	ROJ-25
1-1217-U4-087	3 / 313	C	2.50" CH	ACCW To RCP Thermal Barrier Iso CH	SA	1X4DB138-2 F-3	O	C	~	A	~	RO	~	~	ROJ-25
1-1217-U4-113	2 / 212	AC	3/4" CH	ACCW Sup to Ctmt Iso Vlv Bypass Vlv	SA	1X4DB138-2 G-7	C	O/C	~	A	~	RO	~	AJ	ROJ-26
1-HV-19051	3 / 313	B	2.50" GA	Individual RCP Thermal Barrier ACCW Ret Trip Vlv	MO	1X4DB138-2 E-7	O	C	AI	A	RO	CS	~	~	CSJ-24
1-HV-19053	3 / 313	B	2.50" GA	Individual RCP Thermal Barrier ACCW Ret Trip Vlv	MO	1X4DB138-2 C-7	O	C	AI	A	RO	CS	~	~	CSJ-24
1-HV-19055	3 / 313	B	2.50" GA	Individual RCP Thermal Barrier ACCW Ret Trip Vlv	MO	1X4DB138-2 B-2	O	C	AI	A	RO	CS	~	~	CSJ-24
1-HV-19057	3 / 313	B	2.50" GA	Individual RCP Thermal Barrier ACCW Ret Trip Vlv	MO	1X4DB138-2 F-1	O	C	AI	A	RO	CS	~	~	CSJ-24
1-HV-1974	2 / 212	A	10" BU	ACCW Ret From Ctmt Iso Vlv	MO	1X4DB138-2 G-7	O	C	AI	A	RO	CS	~	AJ	CSJ-25
1-HV-1975	2 / 212	A	10" BU	ACCW Ret From Ctmt Iso Vlv	MO	1X4DB138-1 B-2	O	C	AI	A	RO	CS	~	AJ	CSJ-25
1-HV-1978	2 / 212	A	10" BU	ACCW Sup to Ctmt Iso Vlv	MO	1X4DB138-2 H-7	O	C	AI	A	RO	CS	~	AJ	CSJ-25
1-HV-1979	2 / 212	A	10" BU	ACCW Sup to Ctmt Iso Vlv	MO	1X4DB138-1 D-3	O	C	AI	A	RO	CS	~	AJ	CSJ-25

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1217

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-2041	3 / 313	B	3" GA	Common RCP Thermal Barrier ACCW Ret Trip Vlv	MO	1X4DB138-2 F-7	O	C	AI	A	RO	CS	~	~	CSJ-24
1-PSV-1978	2 / 212	C	3/4" RV	Pen 28 Thermal RV	SA	1X4DB138-2 H-8	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1301-U4-008	3 / 313	C	4" CH	MS Hdr Sup CH to AFW Pmp	SA	1X4DB159-2 E-4	O	O/C	~	A	~	CS PQ RO	~	~	ROJ-27 CSJ-26
1-1301-U4-404	3 / 313	C	4" CH	MS Hdr Sup CH to AFW Pmp	SA	1X4DB159-2 E-4	O	O/C	~	A	~	CS PQ RO	~	~	ROJ-27 CSJ-26
1-HV-13005A	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	1X4DB159-2 G-6	O	C	C	A	RO	Q	Q	~	
1-HV-13005B	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	1X4DB159-2 G-6	O	C	C	A	RO	Q	Q	~	
1-HV-13006A	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	1X4DB159-2 A-6	O	C	C	A	RO	Q	Q	~	
1-HV-13006B	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	1X4DB159-2 A-6	O	C	C	A	RO	Q	Q	~	
1-HV-13007A	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	1X4DB159-2 E-6	O	C	C	A	RO	Q	Q	~	
1-HV-13007B	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	1X4DB159-2 E-6	O	C	C	A	RO	Q	Q	~	
1-HV-13008A	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	1X4DB159-2 C-6	O	C	C	A	RO	Q	Q	~	
1-HV-13008B	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	1X4DB159-2 C-6	O	C	C	A	RO	Q	Q	~	
1-HV-15212A	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	1X4DB159-3 F-4	O	C	C	A	RO	Q	Q	~	
1-HV-15212B	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	1X4DB159-3 B-4	O	C	C	A	RO	Q	Q	~	
1-HV-15212C	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	1X4DB159-1 F-3	O	C	C	A	RO	Q	Q	~	
1-HV-15212D	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	1X4DB159-1 B-3	O	C	C	A	RO	Q	Q	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-15216A	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	1X4DB159-3 F-3	O	C	C	A	RO	Q	Q	~	
1-HV-15216B	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	1X4DB159-3 B-3	O	C	C	A	RO	Q	Q	~	
1-HV-15216C	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	1X4DB159-1 F-3	O	C	C	A	RO	Q	Q	~	
1-HV-15216D	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	1X4DB159-1 B-3	O	C	C	A	RO	Q	Q	~	
1-HV-3006A	2 / 212	B	29.50" GA	MSIV	EH	1X4DB159-2 H-6	O	C	C	A	RO	CS	CS	~	CSJ-27
1-HV-3006B	2 / 212	B	28" GA	MSIV	EH	1X4DB159-2 H-7	O	C	C	A	RO	CS	CS	~	CSJ-27
1-HV-3009	2 / 212	B	4" GA	MS Line to AFW Pmp Iso Vlv	MO	1X4DB159-2 G-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-3016A	2 / 212	B	29.50" GA	MSIV	EH	1X4DB159-2 F-6	O	C	C	A	RO	CS	CS	~	CSJ-27
1-HV-3016B	2 / 212	B	28" GA	MSIV	EH	1X4DB159-2 F-7	O	C	C	A	RO	CS	CS	~	CSJ-27
1-HV-3019	2 / 212	B	4" GA	MS Line to AFW Pmp Iso Vlv	MO	1X4DB159-2 E-2	O	O/C	AI	A	RO	Q	~	~	
1-HV-3026A	2 / 212	B	29.50" GA	MSIV	EH	1X4DB159-2 D-6	O	C	C	A	RO	CS	CS	~	CSJ-27
1-HV-3026B	2 / 212	B	28" GA	MSIV	EH	1X4DB159-2 D-7	O	C	C	A	RO	CS	CS	~	CSJ-27
1-HV-3036A	2 / 212	B	29.50" GA	MSIV	EH	1X4DB159-2 B-6	O	C	C	A	RO	CS	CS	~	CSJ-27
1-HV-3036B	2 / 212	B	28" GA	MSIV	EH	1X4DB159-2 B-7	O	C	C	A	RO	CS	CS	~	CSJ-27
1-HV-7603A	2 / 212	B	3" GL	SG Blowdown Iso Vlv	AO	1X4DB159-3 F-2	O	C	C	A	RO	Q	Q	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-7603B	2 / 212	B	3" GL	SG Blowdown Iso Vlv	AO	1X4DB159-3 B-2	O	C	C	A	RO	Q	Q	~	
1-HV-7603C	2 / 212	B	3" GL	SG Blowdown Iso Vlv	AO	1X4DB159-1 F-2	O	C	C	A	RO	Q	Q	~	
1-HV-7603D	2 / 212	B	3" GL	SG Blowdown Iso Vlv	AO	1X4DB159-1 B-2	O	C	C	A	RO	Q	Q	~	
1-HV-9451	2 / 212	B	1/2" GL	SG Sam Iso Vlv	SO	1X4DB159-3 E-3	O	C	C	A	RO	Q	Q	~	
1-HV-9452	2 / 212	B	1/2" GL	SG Sam Iso Vlv	SO	1X4DB159-3 B-3	O	C	C	A	RO	Q	Q	~	
1-HV-9453	2 / 212	B	1/2" GL	SG Sam Iso Vlv	SO	1X4DB159-1 E-2	O	C	C	A	RO	Q	Q	~	
1-HV-9454	2 / 212	B	1/2" GL	SG Sam Iso Vlv	SO	1X4DB159-1 B-3	O	C	C	A	RO	Q	Q	~	
1-PSV-3001	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 H-3	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3002	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 H-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3003	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 H-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3004	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 H-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3005	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 H-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3011	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 F-3	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3012	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 F-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3013	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 F-4	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-PSV-3014	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 F-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3015	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 F-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3021	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 D-3	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3022	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 D-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3023	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 D-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3024	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 D-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3025	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 D-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3031	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 B-3	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3032	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 B-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3033	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 B-4	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3034	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 B-5	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-3035	2 / 212	C	6" RV	MS Safety Vlv	SA	1X4DB159-2 B-5	C	O/C	~	A	~	~	~	~	Note 6
1-PV-3000	2 / 212	B	10" GL	ARV	EH	1X4DB159-2 H-2	C	O/C	C	A	RO	Q	Q	~	
1-PV-3010	2 / 212	B	10" GL	ARV	EH	1X4DB159-2 F-2	C	O/C	C	A	RO	Q	Q	~	
1-PV-3020	2 / 212	B	10" GL	ARV	EH	1X4DB159-2 D-2	C	O/C	C	A	RO	Q	Q	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-PV-3030	2 / 212	B	10" GL	ARV	EH	1X4DB159-2 C-2	C	O/C	C	A	RO	Q	Q	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1302

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1302-U4-001	3 / 313	C	4" CH	AFW Pmp Disch CH	SA	1X4DB161-2 B-5	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-002	3 / 313	C	4" CH	AFW Pmp Disch CH	SA	1X4DB161-2 D-5	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-013	3 / 313	C	10" CH	AFW Pmp Suc CH	SA	1X4DB161-2 F-7	C	O	~	A	~	CS PQ	~	~	CSJ-29
1-1302-U4-014	3 / 313	C	6" CH	AFW Pmp Disch CH	SA	1X4DB161-2 F-5	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-017	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	1X4DB161-2 H-3	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-020	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	1X4DB161-2 G-3	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-023	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	1X4DB161-2 F-3	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-026	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	1X4DB161-2 E-3	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-033	3 / 313	C	8" CH	AFW Pmp Suc CH	SA	1X4DB161-2 B-7	C	O	~	A	~	CS PQ	~	~	CSJ-29
1-1302-U4-037	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	1X4DB161-2 D-3	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-040	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	1X4DB161-2 C-3	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-043	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	1X4DB161-2 B-3	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-046	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	1X4DB161-2 A-3	C	O	~	A	~	CS	~	~	CSJ-28
1-1302-U4-051	3 / 313	C	10" CH	AFW Pmp Suc CH	SA	1X4DB161-2 E-7	C	O	~	A	~	CS PQ	~	~	CSJ-29
1-1302-U4-052	3 / 313	C	8" CH	AFW Pmp Suc CH	SA	1X4DB161-2 A-7	C	O	~	A	~	CS PQ	~	~	CSJ-29

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1302

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1302-U4-058	3 / 313	C	8" CH	AFW Pmp Suc CH	SA	1X4DB161-2 D-7	C	O	~	A	~	CS PQ	~	~	CSJ-29
1-1302-U4-061	3 / 313	C	8" CH	AFW Pmp Suc CH	SA	1X4DB161-2 C-7	C	O	~	A	~	CS PQ	~	~	CSJ-29
1-1302-U4-085	3 / 313	C	2.50" CH	AFW Pmp Recir Line CH	SA	1X4DB161-1 G-6	C	O	~	A	~	Q	~	~	
1-1302-U4-086	3 / 313	C	2.50" CH	AFW Pmp Recir Line CH	SA	1X4DB161-1 B-6	C	O	~	A	~	Q	~	~	
1-1302-U4-087	3 / 313	C	2.50" CH	AFW Pmp Recir Line CH	SA	1X4DB161-1 B-6	C	O	~	A	~	Q	~	~	
1-1302-U4-113	2 / 212	C	4" CH	AFW Hdr CH at FW Bypass Hdrs	SA	1X4DB168-3 F-2	C	O/C	~	A	~	CS Q	~	~	CSJ-30
1-1302-U4-114	2 / 212	C	4" CH	AFW Hdr CH at FW Bypass Hdrs	SA	1X4DB168-3 F-4	C	O/C	~	A	~	CS Q	~	~	CSJ-30
1-1302-U4-115	2 / 212	C	4" CH	AFW Hdr CH at FW Bypass Hdrs	SA	1X4DB168-3 F-8	C	O/C	~	A	~	CS Q	~	~	CSJ-30
1-1302-U4-116	2 / 212	C	4" CH	AFW Hdr CH at FW Bypass Hdrs	SA	1X4DB168-3 F-6	C	O/C	~	A	~	CS Q	~	~	CSJ-30
1-1302-U4-117	2 / 212	C	6" CH	Main FW Bypass Hdr CH (Obrd Ctmt)	SA	1X4DB168-3 F-2	O	C	~	A	~	RO	~	~	ROJ-28
1-1302-U4-118	2 / 212	C	6" CH	Main FW Bypass Hdr CH (Obrd Ctmt)	SA	1X4DB168-3 F-4	O	C	~	A	~	RO	~	~	ROJ-28
1-1302-U4-119	2 / 212	C	6" CH	Main FW Bypass Hdr CH (Obrd Ctmt)	SA	1X4DB168-3 F-6	O	C	~	A	~	RO	~	~	ROJ-28
1-1302-U4-120	2 / 212	C	6" CH	Main FW Bypass Hdr CH (Obrd Ctmt)	SA	1X4DB168-3 F-8	O	C	~	A	~	RO	~	~	ROJ-28
1-1302-U4-125	2 / 212	C	6" CH	Main FW Bypass Hdr Ctmt Iso CH	SA	1X4DB168-3 G-2	O	O	~	A	~	CS PQ RO	~	~	CSJ-31

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1302

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1302-U4-126	2 / 212	C	6" CH	Main FW Bypass Hdr Ctmt Iso CH	SA	1X4DB168-3 G-4	O	O	~	A	~	CS PQ RO	~	~	CSJ-31
1-1302-U4-127	2 / 212	C	6" CH	Main FW Bypass Hdr Ctmt Iso CH	SA	1X4DB168-3 G-6	O	O	~	A	~	CS PQ RO	~	~	CSJ-31
1-1302-U4-128	2 / 212	C	6" CH	Main FW Bypass Hdr Ctmt Iso CH	SA	1X4DB168-3 G-8	O	O	~	A	~	CS PQ RO	~	~	CSJ-31
1-FV-5154	3 / 313	B	2" GL	Mot-Driven AFW Pmp Recir Line Stop Vlv	MO	1X4DB161-2 C-6	O	O/C	AI	A	RO	Q	~	~	
1-FV-5155	3 / 313	B	2" GL	Mot-Driven AFW Pmp Recir Line Stop Vlv	MO	1X4DB161-2 B-5	O	O/C	AI	A	RO	Q	~	~	
1-HV-15196	2 / 212	B	6" GA	Main FW Bypass Iso Vlv	AO	1X4DB168-3 E-2	O	C	C	A	RO	CS	CS	~	CSJ-32
1-HV-15197	2 / 212	B	6" GA	Main FW Bypass Iso Vlv	AO	1X4DB168-3 E-4	O	C	C	A	RO	CS	CS	~	CSJ-32
1-HV-15198	2 / 212	B	6" GA	Main FW Bypass Iso Vlv	AO	1X4DB168-3 E-8	O	C	C	A	RO	CS	CS	~	CSJ-32
1-HV-15199	2 / 212	B	6" GA	Main FW Bypass Iso Vlv	AO	1X4DB168-3 E-6	O	C	C	A	RO	CS	CS	~	CSJ-32
1-HV-5106	3 / 313	B	4" GL	AFW Steam Sup Stop Vlv	MO	1X4DB161-3 G-5	C	O	AI	A	RO	Q	~	~	
1-HV-5113	3 / 313	B	10" BU	AFW Pmp Suc From CST Iso Vlv	MO	1X4DB161-2 E-8	C	O	AI	A	RO	Q	~	~	
1-HV-5118	3 / 313	B	8" BU	AFW Pmp Suc From CST Iso Vlv	MO	1X4DB161-2 C-8	C	O	AI	A	RO	Q	~	~	
1-HV-5119	3 / 313	B	8" BU	AFW Pmp Suc From CST Iso Vlv	MO	1X4DB161-2 A-8	C	O	AI	A	RO	Q	~	~	
1-HV-5120	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	1X4DB161-2 H-3	O	O/C	AI	A	RO	Q	~	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1302

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-5122	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	1X4DB161-2 G-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-5125	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	1X4DB161-2 F-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-5127	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	1X4DB161-2 E-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-5132	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	1X4DB161-2 D-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-5134	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	1X4DB161-2 C-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-5137	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	1X4DB161-2 B-3	O	O/C	AI	A	RO	Q	~	~	
1-HV-5139	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	1X4DB161-2 A-3	O	O/C	AI	A	RO	Q	~	~	
1-PSV-5110	3 / 313	C	3/4" RV	AFW Pmp Suc RV	SA	1X4DB161-2 G-7	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-5128	3 / 313	C	3/4" RV	AFW Pmp Suc RV	SA	1X4DB161-2 D-7	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-5129	3 / 313	C	3/4" RV	AFW Pmp Suc RV	SA	1X4DB161-2 B-7	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1305

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-FV-0510	3 / 313	B	16" AN	Main FW Reg Vlv	AO	1X4DB168-3 D-2	O	C	C	A	RO	CS	CS	~	CSJ-33
1-FV-0520	3 / 313	B	16" AN	Main FW Reg Vlv	AO	1X4DB168-3 D-3	O	C	C	A	RO	CS	CS	~	CSJ-33
1-FV-0530	3 / 313	B	16" AN	Main FW Reg Vlv	AO	1X4DB168-3 D-7	O	C	C	A	RO	CS	CS	~	CSJ-33
1-FV-0540	3 / 313	B	16" AN	Main FW Reg Vlv	AO	1X4DB168-3 D-5	O	C	C	A	RO	CS	CS	~	CSJ-33
1-HV-5227	2 / 212	B	16" GA	Main FW Iso Vlv	EH	1X4DB168-3 F-1	O	C	C	A	RO	CS	CS	~	CSJ-34
1-HV-5228	2 / 212	B	16" GA	Main FW Iso Vlv	EH	1X4DB168-3 F-3	O	C	C	A	RO	CS	CS	~	CSJ-34
1-HV-5229	2 / 212	B	16" GA	Main FW Iso Vlv	EH	1X4DB168-3 F-7	O	C	C	A	RO	CS	CS	~	CSJ-34
1-HV-5230	2 / 212	B	16" GA	Main FW Iso Vlv	EH	1X4DB168-3 F-5	O	C	C	A	RO	CS	CS	~	CSJ-34
1-LV-5242	3 / 313	B	4" GL	Main FW Bypass Reg Vlv	AO	1X4DB168-3 D-5	O/C	C	C	A	RO	Q	Q	~	
1-LV-5243	3 / 313	B	4" GL	Main FW Bypass Reg Vlv	AO	1X4DB168-3 D-2	O/C	C	C	A	RO	Q	Q	~	
1-LV-5244	3 / 313	B	4" GL	Main FW Bypass Reg Vlv	AO	1X4DB168-3 D-3	O/C	C	C	A	RO	Q	Q	~	
1-LV-5245	3 / 313	B	4" GL	Main FW Bypass Reg Vlv	AO	1X4DB168-3 D-7	O/C	C	C	A	RO	Q	Q	~	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1411

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1411-U4-676	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	MA	1X4DB159-1 G-2	C	C	~	P	~	~	~	AJ	
1-1411-U4-677	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	MA	1X4DB159-1 C-2	C	C	~	P	~	~	~	AJ	
1-1411-U4-678	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	MA	1X4DB159-3 G-2	C	C	~	P	~	~	~	AJ	
1-1411-U4-679	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	MA	1X4DB159-3 C-3	C	C	~	P	~	~	~	AJ	
1-HV-5278	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	AO	1X4DB159-3 G-2	C	C	~	P	RO	~	~	AJ	
1-HV-5279	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	AO	1X4DB159-3 C-2	C	C	~	P	RO	~	~	AJ	
1-HV-5280	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	AO	1X4DB159-1 G-2	C	C	~	P	RO	~	~	AJ	
1-HV-5281	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	AO	1X4DB159-1 C-2	C	C	~	P	RO	~	~	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1418

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1418-U4-005	2 / 212	A	2" GL	Demin Water Sup to Ctmt Iso Vlv	MA	AX4DB190-2 E-4	C	C	~	P	~	~	~	AJ	
1-1418-U4-038	2 / 212	AC	2" CH	Demin Water Sup to Ctmt Iso CH	SA	AX4DB190-2 E-3	C	C	~	P	~	~	~	AJ	
1-PSV-17589	2 / 212	AC	1.5" RV	Demin Water Sup to Ctmt RV	SA	AX4DB190-2 E-3	C	C	~	P	~	~	~	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1505

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-2626A	2 / 212	A	24" BU	Ctmt Purge Sup Ctmt Iso Vlv	MO	1X4DB213-1 E-7	O/C	C	AI	A	RO	CS	~	AJ	CSJ-35
1-HV-2626B	2 / 212	A	14" BU	Ctmt Mini-Purge Sup Ctmt Iso Vlv	AO	1X4DB213-1 D-7	O/C	C	C	A	RO	Q	Q	AJ	
1-HV-2627A	2 / 212	A	24" BU	Ctmt Purge Sup Ctmt Iso Vlv	MO	1X4DB213-1 E-6	O/C	C	AI	A	RO	CS	~	AJ	CSJ-35
1-HV-2627B	2 / 212	A	14" BU	Ctmt Mini-Purge Sup Ctmt Iso Vlv	AO	1X4DB213-1 D-6	O/C	C	C	A	RO	Q	Q	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1506

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-2628A	2 / 212	A	24" BU	Ctmt Purge Sup Ctmt Iso Vlv	MO	1X4DB213-1 C-7	O/C	C	AI	A	RO	CS	~	AJ	CSJ-36
1-HV-2628B	2 / 212	A	14" BU	Ctmt Mini-Purge Sup Ctmt Iso Vlv	AO	1X4DB213-1 B-7	O/C	C	C	A	RO	Q	Q	AJ	
1-HV-2629A	2 / 212	A	24" BU	Ctmt Purge Sup Ctmt Iso Vlv	MO	1X4DB213-1 C-6	O/C	C	AI	A	RO	CS	~	AJ	CSJ-36
1-HV-2629B	2 / 212	A	14" BU	Ctmt Mini-Purge Sup Ctmt Iso Vlv	AO	1X4DB213-1 B-6	O/C	C	C	A	RO	Q	Q	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1508

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1508-U4-012	2 / 212	A	4" GA	Ctmt Post Accident Purge Exh Ctmt Man Iso Vlv	MA	1X4DB213-1 G-6	C	C	~	P	~	~	~	AJ	
1-HV-2624A	2 / 212	A	4" BU	Ctmt Post Accident Purge Exh Ctmt Iso Vlv	MO	1X4DB213-1 G-7	C	C	~	P	RO	~	~	AJ	
1-HV-2624B	2 / 212	A	4" BU	Ctmt Post Accident Purge Exh Ctmt Iso Vlv	MO	1X4DB213-1 F-7	C	C	~	P	RO	~	~	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1513

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1513-U4-001	2 / 212	AC	3/4" CH	H2 Analyzer Ret to Ctmt Iso CH	SA	1X4DB213-2 B-7	C	O/C	~	A	~	Q RO	~	AJ	ROJ-29
1-1513-U4-002	2 / 212	AC	3/4" CH	H2 Analyzer Ret to Ctmt Iso CH	SA	1X4DB213-2 B-7	C	O/C	~	A	~	Q RO	~	AJ	ROJ-29
1-HV-2790A	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	1X4DB213-2 E-7	C	O/C	C	A	RO	Q	Q	AJ	
1-HV-2790B	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	1X4DB213-2 D-7	C	O/C	C	A	RO	Q	Q	AJ	
1-HV-2791A	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	1X4DB213-2 E-6	C	O/C	C	A	RO	Q	Q	AJ	
1-HV-2791B	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	1X4DB213-2 C-6	C	O/C	C	A	RO	Q	Q	AJ	
1-HV-2792A	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	1X4DB213-2 C-7	C	O/C	C	A	RO	Q	Q	AJ	
1-HV-2792B	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	1X4DB213-2 C-7	C	O/C	C	A	RO	Q	Q	AJ	
1-HV-2793A	2 / 212	A	3/4" GL	H2 Analyzer Ret to Ctmt Iso Vlv	SO	1X4DB213-2 B-6	C	O/C	C	A	RO	Q	Q	AJ	
1-HV-2793B	2 / 212	A	3/4" GL	H2 Analyzer Ret to Ctmt Iso Vlv	SO	1X4DB213-2 B-6	C	O/C	C	A	RO	Q	Q	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1592

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-1592-U4-188	3 / 313	C	1" CH	Chilled Water Makeup From Demin Water Sys CH	SA	1X4DB221 F-7	O/C	C	~	A	~	Q	~	~	
1-1592-U4-192	3 / 313	C	1" CH	Chilled Water Makeup From Demin Water Sys CH	SA	1X4DB221 C-7	O/C	C	~	A	~	Q	~	~	
1-PSV-22404	3 / 313	C	3/4" RV	Demin Water to Exp Tank RV	SA	1X4DB221 G-7	C	O/C	~	A	~	~	~	~	Note 6
1-PSV-22405	3 / 313	C	3/4" RV	Demin Water to Exp Tank RV	SA	1X4DB221 D-7	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1609

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-12975	2 / 212	A	1" GA	Sam Line To Air Sam Pan Ctmt Iso Vlv	SO	1X4DB213-2 E-3	O	C	C	A	RO	Q	Q	AJ	
1-HV-12976	2 / 212	A	1" GA	Sam Line To Air Sam Pan Ctmt Iso Vlv	SO	1X4DB213-2 E-2	O	C	C	A	RO	Q	Q	AJ	
1-HV-12977	2 / 212	A	1" GL	Sam Line Ret From Air Sam Pan Ctmt Iso Vlv	SO	1X4DB213-2 D-2	O	C	C	A	RO	Q	Q	AJ	
1-HV-12978	2 / 212	A	1" GL	Sam Line Ret From Air Sam Pan Ctmt Iso Vlv	SO	1X4DB213-2 D-3	O	C	C	A	RO	Q	Q	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 1901

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-7126	2 / 212	A	3/4" DI	RCDT Vent/H2 Sup Ctmt Iso Vlv	AO	1X4DB127 G-5	O	C	C	A	RO	Q	Q	AJ	
1-HV-7136	2 / 212	A	3" DI	RCDT Pmp Disch Ctmt Iso Vlv	AO	1X4DB127 E-1	O	C	C	A	RO	Q	Q	AJ	
1-HV-7150	2 / 212	A	3/4" DI	RCDT Vent/H2 Sup Ctmt Iso Vlv	AO	1X4DB127 G-4	O	C	C	A	RO	Q	Q	AJ	
1-HV-7699	2 / 212	A	3" DI	RCDT Pmp Disch Ctmt Iso Vlv	AO	1X4DB127 D-2	O	C	C	A	RO	Q	Q	AJ	
1-PSV-7699	2 / 212	C	3/4" RV	Pen 77 Thermal RV	SA	1X4DB127 E-1	C	O/C	~	A	~	~	~	~	Note 6

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 2301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-2301-U4-036	2 / 212	AC	6" CH	Fire Prot Water Sup to Ctmt Iso CH	SA	1X4DB174-4 B-7	C	C	~	P	~	~	~	AJ	
1-HV-27901	2 / 212	A	4" GA	Fire Prot Water Sup to Ctmt Iso Vlv	AO	1X4DB174-4 B-7	C	C	C	P	RO	CS	CS	AJ	CSJ-37

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 2401

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-2401-U4-034	2 / 212	AC	4" CH	Ser Air Sup Inbrd Ctmt Iso CH	SA	1X4DB186-1 D-2	C	C	~	P	~	~	~	AJ	
1-2401-U4-184	2 / 212	AC	1.50" CH	Breathing Air Sup Ctmt Iso CH	SA	1X4DB186-1 C-3	C	C	~	P	~	~	~	AJ	
1-2401-U4-211	2 / 212	A	1.50" GA	Breathing Air Sup Ctmt Iso Vlv	MA	1X4DB186-1 C-3	C	C	~	P	~	~	~	AJ	
1-HV-9385	2 / 212	A	4" GA	Ser Air Sup Obrd Ctmt Iso Vlv	AO	1X4DB186-1 D-4	C	C	C	P	RO	Q	Q	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 2402

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-2402-U4-017	2 / 212	AC	1" CH	Nitrogen Sup to Accums, Inbrd Ctmt Iso CH	SA	1X4DB120 G-1	C	C	~	A	~	RO	~	AJ	ROJ-30
1-HV-8880	2 / 212	A	1" GL	Nitrogen Sup To Accums, Obrd Ctmt Iso Vlv	AO	1X4DB120 G-1	O/C	C	C	A	RO	Q	Q	AJ	

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 2420

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-2420-U4-049	2 / 212	AC	2" CH	Inst Air Sup Inbrd Ctmt Iso CH	SA	1X4DB186-4 A-7	O	C	~	A	~	RO	~	AJ	ROJ-31
1-HV-9378	2 / 212	A	2" GL	Inst Air Sup to Ctmt Obrd Ctmt Iso Vlv	AO	1X4DB186-4 A-7	O	C	C	A	RO	CS	CS	AJ	CSJ-38

VEGP-1 IST PROGRAM VALVE TABLE

SYSTEM 2702

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
1-HV-8208	2 / 212	A	1" GL	PASS Liquid Sam Ret Ctmt Iso Vlv	SO	1X4DB110 F-8	C	C	C	A	RO	Q	Q	AJ	
1-HV-8209	2 / 212	A	1" GL	PASS Liquid Sam Ret Ctmt Iso Vlv	SO	1X4DB110 F-7	C	C	C	A	RO	Q	Q	AJ	
1-HV-8211	2 / 212	A	1" GL	PASS Gaseous Sam Ret Ctmt Iso Vlv	SO	1X4DB110 C-8	C	C	C	A	RO	Q	Q	AJ	
1-HV-8212	2 / 212	A	1" GL	PASS Gaseous Sam Ret Ctmt Iso Vlv	SO	1X4DB110 C-7	C	C	C	A	RO	Q	Q	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1201

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1201-U4-251	2 / 212	AC	3/4" CH	RHR Pmp Sup Inbrd Iso Vlv Bypass Vlv	SA	2X4DB122 F-2	C	O	~	A	~	RO	~	~	ROJ-1
2-1201-U4-252	2 / 212	AC	3/4" CH	RHR Pmp Sup Inbrd Iso Vlv Bypass Vlv	SA	2X4DB122 C-2	C	O	~	A	~	RO	~	~	ROJ-1
2-1201-U6-112	2 / 212	AC	3" CH	Primary Grade Water Sup to Ctmt CH	SA	2X4DB112 F-2	C	C	~	A	~	RO	~	AJ	ROJ-2
2-HV-0442A	2 / 212	B	1" GL	RPV Head Vent to PRT Iso Vlv	SO	2X4DB112 H-4	C	O/C	C	A	RO	CS	CS	~	CSJ-1
2-HV-0442B	2 / 212	B	1" GL	RPV Head Vent to PRT Iso Vlv	SO	2X4DB112 G-4	C	O/C	C	A	RO	CS	CS	~	CSJ-1
2-HV-8000A	1 / 111	B	3" GA	PORV Block Vlv	MO	2X4DB112 E-7	O	O/C	AI	A	RO	Q	~	~	
2-HV-8000B	1 / 111	B	3" GA	PORV Block Vlv	MO	2X4DB112 F-7	O	O/C	AI	A	RO	Q	~	~	
2-HV-8028	2 / 212	A	3" DI	Primary Grade Water Sup to Ctmt Iso Vlv	AO	2X4DB112 F-2	O	C	C	A	RO	Q	Q	AJ	
2-HV-8033	2 / 212	A	1" DI	PRT Vent Vlv	AO	2X4DB112 G-2	C	C	C	A	RO	Q	Q	AJ	
2-HV-8047	2 / 212	A	1" DI	PRT Vent Vlv	AO	2X4DB112 G-3	C	C	C	A	RO	Q	Q	AJ	
2-HV-8095A	1 / 111	B	1" GL	RPV Head Vent Vlv	SO	2X4DB114 E-5	C	O/C	C	A	RO	CS	CS	~	CSJ-1
2-HV-8095B	1 / 111	B	1" GL	RPV Head Vent Vlv	SO	2X4DB114 E-5	C	O/C	C	A	RO	CS	CS	~	CSJ-1
2-HV-8096A	1 / 111	B	1" GL	RPV Head Vent Vlv	SO	2X4DB114 E-5	C	O/C	C	A	RO	CS	CS	~	CSJ-1
2-HV-8096B	1 / 111	B	1" GL	RPV Head Vent Vlv	SO	2X4DB114 E-5	C	O/C	C	A	RO	CS	CS	~	CSJ-1
2-HV-8701A	1 / 111	A	12" GA	RHR Pmp Sup Iso From RCS Loops	MO	2X4DB122 G-2	C	O/C	AI	A	RO	CS	~	RO	CSJ-2

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1201

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-8701B	1 / 111	A	12" GA	RHR Pmp Sup Iso From RCS Loops	MO	2X4DB122 G-1	C	O/C	AI	A	RO	CS	~	RO	CSJ-2
2-HV-8702A	1 / 111	A	12" GA	RHR Pmp Sup Iso From RCS Loops	MO	2X4DB122 D-2	C	O/C	AI	A	RO	CS	~	RO	CSJ-2
2-HV-8702B	1 / 111	A	12" GA	RHR Pmp Sup Iso From RCS Loops	MO	2X4DB122 D-1	C	O/C	AI	A	RO	CS	~	RO	CSJ-2
2-PSV-8010A	1 / 111	C	6" RV	PRZR Safety Vlv	SA	2X4DB112 G-7	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8010B	1 / 111	C	6" RV	PRZR Safety Vlv	SA	2X4DB112 G-6	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8010C	1 / 111	C	6" RV	PRZR Safety Vlv	SA	2X4DB112 G-6	C	O/C	~	A	~	~	~	~	Note 6
2-PV-0455A	1 / 111	B	3" GL	PORV	SO	2X4DB112 E-8	C	O/C	C	A	RO	CS	CS	~	CSJ-3
2-PV-0456A	1 / 111	B	3" GL	PORV	SO	2X4DB112 F-8	C	O/C	C	A	RO	CS	CS	~	CSJ-3

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1202

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1202-U4-025	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	2X4DB133-1 C-8	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
2-1202-U4-027	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	2X4DB133-2 C-8	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
2-1202-U4-031	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	2X4DB133-1 E-6	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
2-1202-U4-033	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	2X4DB133-2 E-6	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
2-1202-U4-035	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	2X4DB133-1 C-4	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
2-1202-U4-037	3 / 313	C	18" CH	NSCW Pmp Disch CH	SA	2X4DB133-2 C-5	O/C	O/C	~	A	~	Q	~	~	Notes 1,2
2-1202-U4-463	3 / 313	C	8" CH	NSCW Sup to CB Ess Chiller CH	SA	2X4DB134 E-2	O	O	~	A	~	Q	~	~	
2-1202-U4-464	3 / 313	C	4" CH	NSCW Sup to Piping Pen Area CH	SA	2X4DB133-2 D-3	O	O	~	A	~	Q	~	~	
2-1202-U4-465	3 / 313	C	16" CH	NSCW Sup to CCW Hx	SA	2X4DB133-2 D-1	O	O	~	A	~	Q	~	~	
2-1202-U4-466	2 / 212	C	8" CH	NSCW to Ctmt Cooler CH	SA	2X4DB135-1 H-5	O	O	~	A	~	Q	~	~	
2-1202-U4-467	2 / 212	C	8" CH	NSCW to Ctmt Cooler CH	SA	2X4DB135-1 E-5	O	O	~	A	~	Q	~	~	
2-1202-U4-469	3 / 313	C	16" CH	NSCW Sup to CCW Hx	SA	2X4DB135-1 D-7	O	O	~	A	~	Q	~	~	
2-1202-U4-470	3 / 313	C	4" CH	NSCW Sup to Piping Pen Area CH	SA	2X4DB135-1 B-7	O	O	~	A	~	Q	~	~	
2-1202-U4-471	2 / 212	C	8" CH	NSCW to Ctmt Cooler CH	SA	2X4DB135-2 H-6	O	O	~	A	~	Q	~	~	
2-1202-U4-472	2 / 212	C	8" CH	NSCW to Ctmt Cooler CH	SA	2X4DB135-2 H-6	O	O	~	A	~	Q	~	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1202

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1202-U4-474	3 / 313	C	8" CH	NSCW Sup to CB Ess Chiller CH	SA	2X4DB135-2 B-8	O	O	~	A	~	Q	~	~	
2-1202-U4-492	3 / 313	B	2" GA	NSCW Hdr/Train Inter-Tie Man. Iso. Vlv.	MA	2X4DB133-1 G-1	O	C	~	A	~	Q	~	~	
2-1202-U4-497	3 / 313	B	2" GA	NSCW Hdr/Train Inter-Tie Man. Iso. Vlv.	MA	2X4DB135-2 D-7	O	C	~	A	~	Q	~	~	
2-1202-U4-A07	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	2X4DB133-1 B-8	O/C	O	~	A	~	RO	~	~	ROJ-32
2-1202-U4-A08	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	2X4DB133-1 A-8	O/C	O	~	A	~	RO	~	~	ROJ-32
2-1202-U4-A09	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	2X4DB133-1 B-7	O/C	O	~	A	~	RO	~	~	ROJ-32
2-1202-U4-A13	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	2X4DB133-2 B-8	O/C	O	~	A	~	RO	~	~	ROJ-32
2-1202-U4-A14	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	2X4DB133-2 A-8	O/C	O	~	A	~	RO	~	~	ROJ-32
2-1202-U4-A15	3 / 313	C	4" CH	NSCW Slow-Fill Line CH	SA	2X4DB133-2 B-7	O/C	O	~	A	~	RO	~	~	ROJ-32
2-CV-9446	3 / 313	B	2" GL	NSCW Blowdown Ctrl Vlv	AO	2X4DB133-1 B-5	O	C	C	A	RO	Q	Q	~	
2-CV-9447	3 / 313	B	2" GL	NSCW Blowdown Ctrl Vlv	AO	2X4DB133-2 A-5	O	C	C	A	RO	Q	Q	~	
2-HV-11600	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	2X4DB133-1 D-8	O/C	O	AI	A	Q	Q	~	~	Note 5
2-HV-11605	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	2X4DB133-1 E-6	O/C	O	AI	A	Q	Q	~	~	Note 5
2-HV-11606	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	2X4DB133-1 C-4	O/C	O	AI	A	Q	Q	~	~	Note 5
2-HV-11607	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	2X4DB133-2 C-8	O/C	O	AI	A	Q	Q	~	~	Note 5

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1202

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-11612	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	2X4DB133-2 E-6	O/C	O	AI	A	Q	Q	~	~	Note 5
2-HV-11613	3 / 313	B	18" BU	NSCW Pmp Disch Vlv	MO	2X4DB133-2 C-5	O/C	O	AI	A	Q	Q	~	~	Note 5
2-HV-1668A	3 / 313	B	24" BU	NSCW Tower Ret Hdr Stop Vlv	MO	2X4DB133-1 G-5	O/C	O	AI	A	RO	Q	~	~	
2-HV-1668B	3 / 313	B	18" BU	NSCW Tower Bypass to Basin Vlv	MO	2X4DB133-1 F-5	O/C	C	AI	A	RO	Q	~	~	
2-HV-1669A	3 / 313	B	24" BU	NSCW Tower Ret Hdr Stop Vlv	MO	2X4DB133-2 G-5	O/C	O	AI	A	RO	Q	~	~	
2-HV-1669B	3 / 313	B	18" BU	NSCW Tower Bypass to Basin Vlv	MO	2X4DB133-2 F-5	O/C	C	AI	A	RO	Q	~	~	
2-HV-2134	2 / 212	B	8" BU	NSCW to CTB Aux and Rx Cav Cooling Iso Vlv	MO	2X4DB135-1 C-5	O	C	AI	A	RO	Q	~	~	
2-HV-2135	2 / 212	B	8" BU	NSCW to CTB Aux and Rx Cav Cooling Iso Vlv	MO	2X4DB135-2 D-7	O	C	AI	A	RO	Q	~	~	
2-HV-2138	2 / 212	B	8" BU	NSCW Ret From CTB Aux and Rx Cav Cooling Iso Vlv	MO	2X4DB135-1 B-2	O	C	AI	A	RO	Q	~	~	
2-HV-2139	2 / 212	B	8" BU	NSCW Ret From CTB Aux and Rx Cav Cooling Iso Vlv	MO	2X4DB135-2 D-5	O	C	AI	A	RO	Q	~	~	
2-PSV-11673	2 / 212	C	3/4" RV	Rx Cav Cooler RV	SA	2X4DB135-1 C-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11743	3 / 313	C	1" RV	Char Pmp Lub Oil Cooler RV	SA	2X4DB134 F-8	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11744	3 / 313	C	1 1/2" RV	Char Pmp Mot Cooler RV	SA	2X4DB134 F-7	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11745	3 / 313	C	1" RV	SI Pmp Lub Oil Cooler RV	SA	2X4DB134 F-6	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1202

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-PSV-11746	3 / 313	C	1 1/2" RV	SI Pmp Mot Oil Cooler RV	SA	2X4DB134 F-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11747	3 / 313	C	1" RV	Ctmt Spray Pmp Mot Cooler RV	SA	2X4DB134 F-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11748	3 / 313	C	1" RV	RHR Pmp Mot Cooler RV	SA	2X4DB134 F-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11749	3 / 313	C	1" RV	Char Pmp Lub Oil Cooler RV	SA	2X4DB134 C-6	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11750	3 / 313	C	1 1/2" RV	Char Pmp Mot Cooler RV	SA	2X4DB134 C-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11751	3 / 313	C	1" RV	SI Pmp Lub Oil Cooler RV	SA	2X4DB134 C-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11752	3 / 313	C	1 1/2" RV	SI Pmp Mot Oil Cooler RV	SA	2X4DB134 C-3	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11753	3 / 313	C	1" RV	Ctmt Spray Pmp Mot Cooler RV	SA	2X4DB134 C-2	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11754	3 / 313	C	1" RV	RHR Pmp Mot Cooler RV	SA	2X4DB134 C-1	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11759	3 / 313	C	8" RV	NSCW Ret Hdr RV	SA	2X4DB133-1 G-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11766	3 / 313	C	8" RV	NSCW Ret Hdr RV	SA	2X4DB133-2 G-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-11772	2 / 212	C	3/4" RV	CTB Aux Air Cooler RV	SA	2X4DB135-2 E-6	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-2136	2 / 212	C	3/4" RV	CTB Aux Air Cooler RV	SA	2X4DB135-1 D-3	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-2137	2 / 212	C	3/4" RV	Rx Cav Cooler RV	SA	2X4DB135-2 G-5	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1203

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1203-U4-030	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	2X4DB136 G-4	O/C	O/C	~	A	~	Q	~	~	
2-1203-U4-032	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	2X4DB136 G-4	O/C	O/C	~	A	~	Q	~	~	
2-1203-U4-034	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	2X4DB136 F-4	O/C	O/C	~	A	~	Q	~	~	
2-1203-U4-055	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	2X4DB136 D-4	O/C	O/C	~	A	~	Q	~	~	
2-1203-U4-057	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	2X4DB136 C-4	O/C	O/C	~	A	~	Q	~	~	
2-1203-U4-059	3 / 313	C	14" CH	CCW Pmp Disch CH	SA	2X4DB136 B-4	O/C	O/C	~	A	~	Q	~	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1204-U4-026	1 / 111	C	1.50" CH	RCS Cold Leg SI Admis CH	SA	2X4DB111 D-5	C	O	~	A	~	RO	~	~	ROJ-3
2-1204-U4-027	1 / 111	C	1.50" CH	RCS Cold Leg SI Admis CH	SA	2X4DB111 G-5	C	O	~	A	~	RO	~	~	ROJ-3
2-1204-U4-028	1 / 111	C	1.50" CH	RCS Cold Leg SI Admis CH	SA	2X4DB111 G-4	C	O	~	A	~	RO	~	~	ROJ-3
2-1204-U4-029	1 / 111	C	1.50" CH	RCS Cold Leg SI Admis CH	SA	2X4DB111 D-4	C	O	~	A	~	RO	~	~	ROJ-3
2-1204-U4-093	2 / 212	C	1.50" CH	SI Pmp Min Flow Disch CH	SA	2X4DB121 E-3	C	O/C	~	A	~	Q	~	~	
2-1204-U4-094	2 / 212	C	1.50" CH	SI Pmp Min Flow Disch CH	SA	2X4DB121 D-3	C	O/C	~	A	~	Q	~	~	
2-1204-U4-120	1 / 111	AC	2" CH	SI to RCS Hot Leg Iso CH	SA	2X4DB121 F-6	C	O/C	~	A	~	RO	~	RO	ROJ-4
2-1204-U4-121	1 / 111	AC	2" CH	SI to RCS Hot Leg Iso CH	SA	2X4DB121 F-6	C	O/C	~	A	~	RO	~	RO	ROJ-4
2-1204-U4-122	1 / 111	AC	2" CH	SI to RCS Hot Leg Iso CH	SA	2X4DB121 E-7	C	O/C	~	A	~	RO	~	RO	ROJ-4
2-1204-U4-123	1 / 111	AC	2" CH	SI to RCS Hot Leg Iso CH	SA	2X4DB121 F-7	C	O/C	~	A	~	RO	~	RO	ROJ-4
2-1204-U4-143	1 / 111	AC	2" CH	SI To RCS Cold Leg Iso CH	SA	2X4DB121 B-6	C	O/C	~	A	~	RO	~	RO	ROJ-4
2-1204-U4-144	1 / 111	AC	2" CH	SI To RCS Cold Leg Iso CH	SA	2X4DB121 B-7	C	O/C	~	A	~	RO	~	RO	ROJ-4
2-1204-U4-145	1 / 111	AC	2" CH	SI To RCS Cold Leg Iso CH	SA	2X4DB121 B-7	C	O/C	~	A	~	RO	~	RO	ROJ-4
2-1204-U4-146	1 / 111	AC	2" CH	SI To RCS Cold Leg Iso CH	SA	2X4DB121 B-8	C	O/C	~	A	~	RO	~	RO	ROJ-4
2-1204-U4-159	2 / 212	A	3/4" GL	SI Accum Sam Man Iso Vlv	MA	2X4DB120 G-2	C	C	~	P	~	~	~	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1204-U4-160	2 / 212	A	3/4" GL	SI Accum Sam Man Iso Vlv	MA	2X4DB120 E-2	C	C	~	P	~	~	~	AJ	
2-1204-U4-161	2 / 212	A	3/4" GL	SI Accum Sam Man Iso Vlv	MA	2X4DB120 C-2	C	C	~	P	~	~	~	AJ	
2-1204-U4-162	2 / 212	A	3/4" GL	SI Accum Sam Man Iso Vlv	MA	2X4DB120 A-2	C	C	~	P	~	~	~	AJ	
2-1204-U4-262	2 / 212	C	3" CH	RWST Sludge Mixing Pmp Disch CH	SA	2X4DB121 G-3	O/C	C	~	A	~	RO	~	~	ROJ-5
2-1204-U4-263	2 / 212	C	3" CH	RWST Sludge Mixing Pmp Disch CH	SA	2X4DB121 G-3	O/C	C	~	A	~	RO	~	~	ROJ-5
2-1204-U6-013	1 / 111	C	3" CH	SI From BIT To RCS Cold Legs CH	SA	2X4DB119 E-6	C	O/C	~	A	~	RO	~	~	ROJ-6
2-1204-U6-079	1 / 111	AC	10" CH	SI Accum Disch CH	SA	2X4DB120 G-8	C	O/C	~	A	~	RO	~	RO	ROJ-7
2-1204-U6-080	1 / 111	AC	10" CH	SI Accum Disch CH	SA	2X4DB120 E-8	C	O/C	~	A	~	RO	~	RO	ROJ-7
2-1204-U6-081	1 / 111	AC	10" CH	SI Accum Disch CH	SA	2X4DB120 C-8	C	O/C	~	A	~	RO	~	RO	ROJ-7
2-1204-U6-082	1 / 111	AC	10" CH	SI Accum Disch CH	SA	2X4DB120 A-8	C	O/C	~	A	~	RO	~	RO	ROJ-7
2-1204-U6-083	1 / 111	AC	10" CH	SI/RHR Cold Leg Admis CH	SA	2X4DB111 B-5	C	O/C	~	A	~	RO PCS	~	RO	ROJ-8
2-1204-U6-084	1 / 111	AC	10" CH	SI/RHR Cold Leg Admis CH	SA	2X4DB111 H-5	C	O/C	~	A	~	RO PCS	~	RO	ROJ-8
2-1204-U6-085	1 / 111	AC	10" CH	SI/RHR Cold Leg Admis CH	SA	2X4DB111 H-4	C	O/C	~	A	~	RO PCS	~	RO	ROJ-8
2-1204-U6-086	1 / 111	AC	10" CH	SI/RHR Cold Leg Admis CH	SA	2X4DB111 B-4	C	O/C	~	A	~	RO PCS	~	RO	ROJ-8
2-1204-U6-090	2 / 212	C	8" CH	SI Suc Line CH	SA	2X4DB121 E-1	C	O	~	A	~	RO PQ	~	~	ROJ-9

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1204-U6-098	2 / 212	C	4" CH	SI Pmp Disch CH	SA	2X4DB121 E-4	C	O/C	~	A	~	RO PQ	~	~	ROJ-10
2-1204-U6-099	2 / 212	C	4" CH	SI Pmp Disch CH	SA	2X4DB121 D-3	C	O/C	~	A	~	RO PQ	~	~	ROJ-10
2-1204-U6-124	1 / 111	AC	6" CH	RCS Hot Leg SI Admis CH	SA	2X4DB111 F-5	C	O/C	~	A	~	RO	~	RO	ROJ-4
2-1204-U6-125	1 / 111	AC	6" CH	RCS Hot Leg SI Admis CH	SA	2X4DB111 D-3	C	O/C	~	A	~	CS RO	~	RO	CSJ-4 ROJ-11
2-1204-U6-126	1 / 111	AC	6" CH	RCS Hot Leg SI Admis CH	SA	2X4DB111 D-6	C	O/C	~	A	~	CS RO	~	RO	CSJ-4 ROJ-11
2-1204-U6-127	1 / 111	AC	6" CH	RCS Hot Leg SI Admis CH	SA	2X4DB111 F-4	C	O/C	~	A	~	RO	~	RO	ROJ-4
2-1204-U6-128	1 / 111	AC	8" CH	RHR To RCS Hot Leg Iso CH	SA	2X4DB121 F-6	C	O/C	~	A	~	CS RO	~	RO	CSJ-4 ROJ-11
2-1204-U6-129	1 / 111	AC	8" CH	RHR To RCS Hot Leg Iso CH	SA	2X4DB121 F-6	C	O/C	~	A	~	CS RO	~	RO	CSJ-4 ROJ-11
2-1204-U6-147	1 / 111	AC	6" CH	RHR To RCS Cold Leg Iso CH	SA	2X4DB121 B-6	C	O/C	~	A	~	CS RO	~	RO	CSJ-5 ROJ-12
2-1204-U6-148	1 / 111	AC	6" CH	RHR To RCS Cold Leg Iso CH	SA	2X4DB121 A-6	C	O/C	~	A	~	CS RO	~	RO	CSJ-5 ROJ-12
2-1204-U6-149	1 / 111	AC	6" CH	RHR To RCS Cold Leg Iso CH	SA	2X4DB121 A-7	C	O/C	~	A	~	CS RO	~	RO	CSJ-5 ROJ-12
2-1204-U6-150	1 / 111	AC	6" CH	RHR To RCS Cold Leg Iso CH	SA	2X4DB121 A-7	C	O/C	~	A	~	CS RO	~	RO	CSJ-5 ROJ-12
2-1204-U6-163	2 / 212	C	8" CH	RHR Pmp to SI Pmps Suc Iso	SA	2X4DB122 B-8	C	O	~	A	~	RO	~	~	ROJ-13
2-HV-0943A	3 / 313	B	1" GL	SI Accum Nitrogen Vent Vlv	SO	2X4DB120 E-1	C	O/C	C	A	RO	Q	Q	~	
2-HV-0943B	3 / 313	B	1" GL	SI Accum Nitrogen Vent Vlv	SO	2X4DB120 D-1	C	O/C	C	A	RO	Q	Q	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-10950	2 / 212	A	3/4" GL	SI Accum Sam Iso Vlv	SO	2X4DB120 G-3	O/C	C	C	A	RO	Q	Q	AJ	
2-HV-10951	2 / 212	A	3/4" GL	SI Accum Sam Iso Vlv	SO	2X4DB120 E-3	O/C	C	C	A	RO	Q	Q	AJ	
2-HV-10952	2 / 212	A	3/4" GL	SI Accum Sam Iso Vlv	SO	2X4DB120 C-3	O/C	C	C	A	RO	Q	Q	AJ	
2-HV-10953	2 / 212	A	3/4" GL	SI Accum Sam Iso Vlv	SO	2X4DB120 A-3	O/C	C	C	A	RO	Q	Q	AJ	
2-HV-10957	2 / 212	B	3" GA	RWST Sludge Mixing Pmp Suc Vlv	AO	2X4DB121 G-3	O/C	C	C	A	RO	Q	Q	~	
2-HV-10958	2 / 212	B	3" GA	RWST Sludge Mixing Pmp Suc Vlv	AO	2X4DB121 G-3	O/C	C	C	A	RO	Q	Q	~	
2-HV-8801A	2 / 212	B	4" GA	BIT Outlet to RCS Cold Legs, Obrd Ctmt Iso Vlv	MO	2X4DB119 F-5	C	O	AI	A	RO	Q	~	~	
2-HV-8801B	2 / 212	B	4" GA	BIT Outlet to RCS Cold Legs, Obrd Ctmt Iso Vlv	MO	2X4DB119 E-5	C	O	AI	A	RO	Q	~	~	
2-HV-8802A	2 / 212	B	4" GA	SI to RCS Hot Legs, Obrd Ctmt Iso Vlv	MO	2X4DB121 E-5	C	O/C	AI	A	RO	CS	~	~	CSJ-6
2-HV-8802B	2 / 212	B	4" GA	SI to RCS Hot Legs, Obrd Ctmt Iso Vlv	MO	2X4DB121 D-5	C	O/C	AI	A	RO	CS	~	~	CSJ-6
2-HV-8806	2 / 212	B	6" GA	SI Pmp Suc From RWST	MO	2X4DB121 E-1	O	O/C	AI	A	RO	CS	~	~	CSJ-7
2-HV-8807A	2 / 212	B	6" GA	SI Pmp Suc from Char Pmp Suc Hdr	MO	2X4DB121 D-2	C	O	AI	A	RO	Q	~	~	
2-HV-8807B	2 / 212	B	6" GA	SI Pmp Suc from Char Pmp Suc Hdr	MO	2X4DB121 D-2	C	O	AI	A	RO	Q	~	~	
2-HV-8809A	2 / 212	B	8" GA	RHR Disch To Cold Legs From RHR Hx	MO	2X4DB121 B-5	O	O/C	AI	A	RO	CS	~	~	CSJ-8
2-HV-8809B	2 / 212	B	8" GA	RHR Disch To Cold Legs From RHR Hx	MO	2X4DB121 A-5	O	O/C	AI	A	RO	CS	~	~	CSJ-8

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-8813	2 / 212	B	2" GL	SI Min Flow Hdr Iso Vlv	MO	2X4DB121 F-5	O	O/C	AI	A	RO	CS	~	~	CSJ-9
2-HV-8814	2 / 212	B	1.50" GL	SI Pmp Min Flow Line Iso Vlv	MO	2X4DB121 E-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-8821A	2 / 212	B	4" GA	SI Pmp Cold Leg Disch Stop Vlv	MO	2X4DB121 D-4	O	O/C	AI	A	RO	Q	~	~	
2-HV-8821B	2 / 212	B	4" GA	SI Pmp Cold Leg Disch Stop Vlv	MO	2X4DB121 D-4	O	O/C	AI	A	RO	Q	~	~	
2-HV-8823	2 / 212	B	3/4" GL	SI Cold Leg Inj Test Line Vlv	AO	2X4DB121 C-8	O/C	C	C	A	RO	Q	Q	~	
2-HV-8824	2 / 212	B	3/4" GL	SI CH Hot Leg 2 and 3 Test Vlv	AO	2X4DB121 E-8	O/C	C	C	A	RO	Q	Q	~	
2-HV-8825	2 / 212	B	3/4" GL	RHR To Hot Leg Test Line Vlv	AO	2X4DB121 D-8	O/C	C	C	A	RO	Q	Q	~	
2-HV-8835	2 / 212	B	4" GA	SI Hdr Cold Leg Disch Stop Vlv	MO	2X4DB121 C-5	O	O/C	AI	A	RO	CS	~	~	CSJ-10
2-HV-8840	2 / 212	B	12" GA	Hot Leg Crossover Iso Vlv	MO	2X4DB121 B-4	C	O/C	AI	A	RO	CS	~	~	CSJ-11
2-HV-8843	2 / 212	B	3/4" GL	BIT Test/Recir Vlv	AO	2X4DB119 D-6	O/C	C	C	A	RO	Q	Q	~	
2-HV-8871	2 / 212	A	3/4" GL	Accum Test Line Inbrd Ctmt Iso Vlv	AO	2X4DB121 H-6	O/C	C	C	A	RO	Q	Q	AJ	
2-HV-8875A	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	2X4DB120 H-3	C	O/C	C	A	RO	Q	Q	~	
2-HV-8875B	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	2X4DB120 F-3	C	O/C	C	A	RO	Q	Q	~	
2-HV-8875C	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	2X4DB120 D-3	C	O/C	C	A	RO	Q	Q	~	
2-HV-8875D	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	2X4DB120 B-3	C	O/C	C	A	RO	Q	Q	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-8875E	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	2X4DB120 G-3	C	O/C	C	A	RO	Q	Q	~	
2-HV-8875F	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	2X4DB120 E-3	C	O/C	C	A	RO	Q	Q	~	
2-HV-8875G	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	2X4DB120 D-3	C	O/C	C	A	RO	Q	Q	~	
2-HV-8875H	2 / 212	B	1" GL	SI Accum Nitrogen Sup/Vent Vlv	SO	2X4DB120 B-3	C	O/C	C	A	RO	Q	Q	~	
2-HV-8881	2 / 212	B	3/4" GL	SI CH Hot Leg 1 and 4 Test Vlv	AO	2X4DB121 G-6	O/C	C	C	A	RO	Q	Q	~	
2-HV-8888	2 / 212	A	3/4" GL	Accum Fill Iso Vlv	AO	2X4DB121 F-5	O/C	C	C	A	RO	Q	Q	AJ	
2-HV-8890A	2 / 212	B	3/4" GL	SI RHR Pmp CH Test Vlv	AO	2X4DB121 G-8	O/C	C	C	A	RO	Q	Q	~	
2-HV-8890B	2 / 212	B	3/4" GL	SI RHR Pmp CH Test Vlv	AO	2X4DB121 E-8	O/C	C	C	A	RO	Q	Q	~	
2-HV-8920	2 / 212	B	1.50" GL	SI Pmp Min Flow Line Iso Vlv	MO	2X4DB121 D-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-8924	2 / 212	B	6" GA	CVCS/SI Suc Hdr Intertie Iso Vlv	MO	2X4DB116-2 A-7	O	C	AI	A	RO	Q	~	~	
2-HV-8964	2 / 212	A	3/4" GL	Accum Test Line Obrd Ctmt Iso Vlv	AO	2X4DB121 H-5	O/C	C	C	A	RO	Q	Q	AJ	
2-HV-9017A	2 / 212	B	10" GA	RWST to Ctmt Spray Pmp Iso Vlv	MO	2X4DB131 F-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-9017B	2 / 212	B	10" GA	RWST to Ctmt Spray Pmp Iso Vlv	MO	2X4DB131 E-3	O	O/C	AI	A	RO	Q	~	~	
2-PSV-8851	2 / 212	C	3/4" RV	SI Cold Leg Inj Hdr RV	SA	2X4DB121 C-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8853A	2 / 212	C	3/4" RV	SI Pmp Disch RV	SA	2X4DB121 E-4	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1204

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-PSV-8853B	2 / 212	C	3/4" RV	SI Pmp Disch RV	SA	2X4DB121 D-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8858	2 / 212	C	3/4" RV	SI Pmp Suc Hdr RV	SA	2X4DB121 E-1	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8871	2 / 212	C	3/4" RV	Pen 41 Thermal RV	SA	2X4DB121 H-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8916A	2 / 212	C	3/4" RV	SI Pmp Suc RV	SA	2X4DB121 E-3	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8916B	2 / 212	C	3/4" RV	SI Pmp Suc RV	SA	2X4DB121 D-2	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1205

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1205-U4-122	2 / 212	C	14" CH	RHR Pmp Suc CH from Cmt Sump	SA	2X4DB122 C-3	C	O/C	~	A	~	RO	~	~	ROJ-14
2-1205-U4-123	2 / 212	C	14" CH	RHR Pmp Suc CH from Cmt Sump	SA	2X4DB122 B-3	C	O/C	~	A	~	RO	~	~	ROJ-14
2-1205-U6-001	2 / 212	C	12" CH	RHR Pmp Sup Iso From RWST CH	SA	2X4DB122 E-4	C	O/C	~	A	~	CS PQ Q	~	~	CSJ-12
2-1205-U6-002	2 / 212	C	12" CH	RHR Pmp Sup Iso From RWST CH	SA	2X4DB122 C-4	C	O/C	~	A	~	CS PQ Q	~	~	CSJ-12
2-1205-U6-009	2 / 212	C	8" CH	RHR Pmp Disch CH	SA	2X4DB122 G-5	C	O	~	A	~	CS PQ	~	~	CSJ-13
2-1205-U6-010	2 / 212	C	8" CH	RHR Pmp Disch CH	SA	2X4DB122 D-5	C	O	~	A	~	CS PQ	~	~	CSJ-13
2-FV-0610	2 / 212	B	3" GA	RHR Pmp Min Flow Ctrl Vlv	MO	2X4DB122 H-5	O	O/C	AI	A	RO	Q	~	~	
2-FV-0611	2 / 212	B	3" GA	RHR Pmp Min Flow Ctrl Vlv	MO	2X4DB122 E-5	O	O/C	AI	A	RO	Q	~	~	
2-HV-8716A	2 / 212	B	8" GA	RHR Train A to Hot Leg Cross-over Iso Vlv	MO	2X4DB122 F-7	O	O/C	AI	A	RO	Q	~	~	
2-HV-8716B	2 / 212	B	8" GA	RHR Train B to Hot Leg Cross-over Iso Vlv	MO	2X4DB122 D-7	O	O/C	AI	A	RO	Q	~	~	
2-HV-8804A	2 / 212	B	8" GA	RHR Pmp "A" Disch to Char Pmp Suc Hdrs	MO	2X4DB122 F-8	C	O/C	AI	A	RO	CS	~	~	CSJ-14
2-HV-8804B	2 / 212	B	8" GA	RHR Pmp "B" To SI Pmp "B" Iso Vlv	MO	2X4DB122 B-8	C	O/C	AI	A	RO	CS	~	~	CSJ-15
2-HV-8811A	2 / 212	B	14" GA	RHR Pmp Suc Iso From Cmt Sump	MO	2X4DB122 B-3	C	O/C	AI	A	RO	Q	~	~	
2-HV-8811B	2 / 212	B	14" GA	RHR Pmp Suc Iso From Cmt Sump	MO	2X4DB122 B-3	C	O/C	AI	A	RO	Q	~	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1205

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-8812A	2 / 212	B	12" GA	RHR Pmp Sup Iso From RWST	MO	2X4DB122 E-4	O	O/C	AI	A	RO	Q	~	~	
2-HV-8812B	2 / 212	B	12" GA	RHR Pmp Sup Iso From RWST	MO	2X4DB122 C-4	O	O/C	AI	A	RO	Q	~	~	
2-PSV-8708A	2 / 212	C	3" RV	RHR Pmp Suc RV	SA	2X4DB122 H-3	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8708B	2 / 212	C	3" RV	RHR Pmp Suc RV	SA	2X4DB122 E-3	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8842	2 / 212	C	3/4" RV	RHR Hot Leg Cross- over Line RV	SA	2X4DB121 C-3	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8856A	2 / 212	C	3/4" RV	RHR Hx Disch Hdr to Cold Leg RV	SA	2X4DB121 B-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8856B	2 / 212	C	3/4" RV	RHR Hx Disch Hdr to Cold Leg RV	SA	2X4DB121 A-4	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1206

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1206-U6-001	2 / 212	C	10" CH	Ctmt Spray Pmp Suc From RWST CH	SA	2X4DB131 G-3	C	O/C	~	A	~	RO PQ	~	~	ROJ-15
2-1206-U6-008	2 / 212	C	10" CH	Ctmt Spray Pmp Suc From RWST CH	SA	2X4DB131 D-3	C	O/C	~	A	~	RO PQ	~	~	ROJ-15
2-1206-U6-015	2 / 212	AC	8" CH	Ctmt Spray Inbrd Ctmt Iso CH	SA	2X4DB131 G-7	C	O/C	~	A	~	RO	~	AJ	ROJ-16
2-1206-U6-016	2 / 212	AC	8" CH	Ctmt Spray Inbrd Ctmt Iso CH	SA	2X4DB131 C-7	C	O/C	~	A	~	RO	~	AJ	ROJ-16
2-HV-9001A	2 / 212	A	8" GA	Ctmt Spray Pmp Suc From Ctmt Sump Inbrd Iso Vlv	MO	2X4DB131 G-6	C	O/C	AI	A	RO	Q	~	AJ	
2-HV-9001B	2 / 212	A	8" GA	Ctmt Spray Pmp Suc From Ctmt Sump Inbrd Iso Vlv	MO	2X4DB131 C-6	C	O/C	AI	A	RO	Q	~	AJ	
2-HV-9002A	2 / 212	B	10" GA	Ctmt Spray Pmp Suc From Ctmt Sump Inbrd Iso Vlv	MO	2X4DB131 B-6	C	O/C	AI	A	RO	Q	~	~	
2-HV-9002B	2 / 212	B	10" GA	Ctmt Spray Pmp Suc From Ctmt Sump Inbrd Iso Vlv	MO	2X4DB131 C-6	C	O/C	AI	A	RO	Q	~	~	
2-HV-9003A	2 / 212	B	10" GA	Ctmt Spray Pmp Suc From Ctmt Sump Obrd Iso Vlv	MO	2X4DB131 B-5	C	O	AI	A	RO	Q	~	~	
2-HV-9003B	2 / 212	B	10" GA	Ctmt Spray Pmp Suc From Ctmt Sump Obrd Iso Vlv	MO	2X4DB131 C-5	C	O	AI	A	RO	Q	~	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1208

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1208-U4-004	2 / 212	C	1.5" CH	RCP Seal Inj Inbrd CH	SA	2X4DB114 B-7	O	C	~	A	~	RO	~	~	ROJ-17
2-1208-U4-021	2 / 212	AC	3/4" CH	RCS Seal Water Ret Line Pressure Equalizing CH	SA	2X4DB114 D-4	C	O/C	~	A	~	RO	~	AJ	ROJ-18
2-1208-U4-140	2 / 212	C	2" CH	Cent Char Pmp Disch Recir Line CH	SA	2X4DB116-2 G-6	C	O	~	A	~	Q	~	~	
2-1208-U4-147	2 / 212	C	2" CH	Cent Char Pmp Disch Recir Line CH	SA	2X4DB116-2 C-6	C	O/C	~	A	~	Q	~	~	
2-1208-U4-185	2 / 212	C	2" CH	Emergency Boration to Char Pmp Suc CH	SA	2X4DB116-1 D-1	C	O	~	A	~	CS	~	~	CSJ-16
2-1208-U4-284	3 / 313	C	2" CH	Boric Acid Tran Pmp Disch CH	SA	2X4DB118 D-5	C	O/C	~	A	~	Q	~	~	
2-1208-U4-299	3 / 313	C	2" CH	Boric Acid Tran Pmp Disch CH	SA	2X4DB118 B-5	C	O/C	~	A	~	Q	~	~	
2-1208-U4-353	2 / 212	C	1.5" CH	RCP Seal Inj Inbrd CH	SA	2X4DB114 B-7	O	C	~	A	~	RO	~	~	ROJ-17
2-1208-U4-354	2 / 212	C	1.5" CH	RCP Seal Inj Inbrd CH	SA	2X4DB114 B-7	O	C	~	A	~	RO	~	~	ROJ-17
2-1208-U4-355	2 / 212	C	1.5" CH	RCP Seal Inj Inbrd CH	SA	2X4DB114 B-7	O	C	~	A	~	RO	~	~	ROJ-17
2-1208-U6-032	2 / 212	AC	3" CH	Main Char Hdr CH	SA	2X4DB114 F-3	O	O/C	~	A	~	Q RO	~	AJ	ROJ-19
2-1208-U6-124	2 / 212	C	4" CH	Char Pmp Sup From VCT CH	SA	2X4DB116-1 E-4	O	C	~	A	~	RO	~	~	ROJ-20
2-1208-U6-129	2 / 212	C	3" CH	Normal Char Pmp Disch Line CH	SA	2X4DB116-1 C-5	O	C	~	A	~	Q	~	~	
2-1208-U6-142	2 / 212	C	4" CH	Cent Char Pmp Disch CH	SA	2X4DB116-2 G-6	C	O/C	~	A	~	RO PQ	~	~	ROJ-21
2-1208-U6-149	2 / 212	C	4" CH	Cent Char Pmp Disch CH	SA	2X4DB116-2 C-6	C	O/C	~	A	~	RO PQ	~	~	ROJ-21

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1208

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1208-U6-189	2 / 212	C	8" CH	Cent Char Pmp Suc From RWST CH	SA	2X4DB116-2 E-2	C	O/C	~	A	~	RO PCS	~	~	ROJ-22
2-1208-U6-436	2 / 212	C	8" CH	RHR Pmp "A" Disch to Char Pmp Suc Hdrs CH	SA	2X4DB122 F-8	C	O	~	A	~	RO PCS	~	~	ROJ-23
2-FV-0111A	3 / 313	B	2" GL	Dilution Ctrl Vlv	AO	2X4DB116-1 F-1	O/C	C	C	A	RO	Q	Q	~	
2-HV-0190A	2 / 212	B	1" GL	Char Throttle Vlv	SO	2X4DB116-2 G-7	C	O	C	A	RO	Q	~	~	
2-HV-0190B	2 / 212	B	1" GL	Char Throttle Vlv	SO	2X4DB116-2 B-7	C	O	C	A	RO	Q	~	~	
2-HV-8100	2 / 212	A	2" GL	RCP Seal Water Leakoff Ctmt Iso Vlv	MO	2X4DB114 D-3	O	C	AI	A	RO	CS	CS	AJ	CSJ-17
2-HV-8103A	2 / 212	B	1.5" GL	RCP Seal Inj Iso Vlv	MO	2X4DB114 B-6	O	C	AI	A	RO	RO	~	~	ROJ-24
2-HV-8103B	2 / 212	B	1.5" GL	RCP Seal Inj Iso Vlv	MO	2X4DB114 B-6	O	C	AI	A	RO	RO	~	~	ROJ-24
2-HV-8103C	2 / 212	B	1.5" GL	RCP Seal Inj Iso Vlv	MO	2X4DB114 B-6	O	C	AI	A	RO	RO	~	~	ROJ-24
2-HV-8103D	2 / 212	B	1.5" GL	RCP Seal Inj Iso Vlv	MO	2X4DB114 B-6	O	C	AI	A	RO	RO	~	~	ROJ-24
2-HV-8104	2 / 212	B	2" GL	Emergency Borate Iso Vlv	MO	2X4DB116-1 D-1	C	O/C	AI	A	RO	Q	~	~	
2-HV-8105	2 / 212	A	3" GA	Char Pmp to RCS Ctmt Iso Vlv	MO	2X4DB116-1 C-8	O	O/C	AI	A	RO	CS	~	AJ	CSJ-18
2-HV-8106	2 / 212	B	3" GA	Char Pmp to RCS Iso Vlv	MO	2X4DB116-1 C-7	O	C	AI	A	RO	CS	~	~	CSJ-19
2-HV-8110	2 / 212	B	2" GL	Cent Char Pmp Common Recir to RCS Seal Water Iso Vlv	MO	2X4DB116-2 E-7	O	C	AI	A	RO	Q	~	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1208

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-8111A	2 / 212	B	2" GL	Cent Char Pmp Recir to RCS Seal Water Iso Vlv	MO	2X4DB116-2 F-6	O	C	AI	A	RO	Q	~	~	
2-HV-8111B	2 / 212	B	2" GL	Cent Char Pmp Recir to RCS Seal Water Iso Vlv	MO	2X4DB116-2 D-6	O	C	AI	A	RO	Q	~	~	
2-HV-8112	2 / 212	B	2" GL	RCPS Seal Water Leakoff Ctmt Iso Vlv	MO	2X4DB114 D-3	O	C	AI	A	RO	CS	~	AJ	CSJ-17
2-HV-8116	2 / 212	B	1" GL	Char Iso Vlv	MO	2X4DB116-2 G-8	C	O	AI	A	RO	Q	~	~	
2-HV-8152	2 / 212	A	3" GL	RCS Ltdwn Line Iso Vlv	AO	2X4DB114 G-2	O	C	C	A	RO	CS	CS	AJ	CSJ-20
2-HV-8160	2 / 212	A	3" GL	RCS Ltdwn Line Iso Vlv	AO	2X4DB114 G-3	O	C	C	A	RO	CS	CS	AJ	CSJ-20
2-HV-8471A	2 / 212	B	6" GA	Cent Char Pmp Suc Iso Vlv	MO	2X4DB116-2 G-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-8471B	2 / 212	B	6" GA	Cent Char Pmp Suc Iso Vlv	MO	2X4DB116-2 C-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-8508A	2 / 212	B	2" GL	Cent Char Pmp Alt Mini-Flow to RWST Iso Vlv	MO	2X4DB116-2 G-5	C	O/C	AI	A	RO	CS	~	~	CSJ-21
2-HV-8508B	2 / 212	B	2" GL	Cent Char Pmp Alt Mini-Flow to RWST Iso Vlv	MO	2X4DB116-2 D-5	C	O/C	AI	A	RO	CS	~	~	CSJ-21
2-HV-8509A	2 / 212	B	2" GL	Cent Char Pmp Alt Mini-Flow to RWST Iso Vlv	MO	2X4DB116-2 D-5	O	C	AI	A	RO	Q	~	~	
2-HV-8509B	2 / 212	B	2" GL	Cent Char Pmp Alt Mini-Flow to RWST Iso Vlv	MO	2X4DB116-2 G-5	O	C	AI	A	RO	Q	~	~	
2-LV-0112B	2 / 212	B	4" GA	VCT Outlet Iso Vlv	MO	2X4DB116-1 F-4	O	C	AI	A	RO	CS	~	~	CSJ-22

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1208

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-LV-0112C	2 / 212	B	4" GA	VCT Outlet Iso Vlv	MO	2X4DB116-1 E-4	O	C	AI	A	RO	CS	~	~	CSJ-22
2-LV-0112D	2 / 212	B	8" GA	RWST To Char Pmp Suc Iso Vlv	MO	2X4DB116-2 E-2	C	O/C	AI	A	RO	CS	~	~	CSJ-23
2-LV-0112E	2 / 212	B	8" GA	RWST To Char Pmp Suc Iso Vlv	MO	2X4DB116-2 D-2	C	O/C	AI	A	RO	CS	~	~	CSJ-23
2-PSV-8121	2 / 212	C	2" RV	RCP Seal Water Ret Hdr RV	SA	2X4DB114 D-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-8124	2 / 212	C	3/4" RV	Char Pmp Suc Hdr RV	SA	2X4DB116-1 C-3	C	O/C	C	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1212

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-3502	2 / 212	A	1/2" GL	RC Hot Legs Sam Hdr Ctmt Iso Vlv	AO	2X4DB140 E-7	O	C	C	A	RO	Q	Q	AJ	
2-HV-3507	2 / 212	A	1/2" GL	PRZR Liquid Space Sam Line Ctmt Iso Vlv	AO	2X4DB140 G-8	C	C	C	A	RO	Q	Q	AJ	
2-HV-3508	2 / 212	A	1/2" GL	PRZR Liquid Space Sam Line Ctmt Iso Vlv	AO	2X4DB140 G-7	C	C	C	A	RO	Q	Q	AJ	
2-HV-3513	2 / 212	A	1/2" GL	PRZR Steam Space Sam Line Ctmt Iso Vlv	AO	2X4DB140 F-8	C	C	C	A	RO	Q	Q	AJ	
2-HV-3514	2 / 212	A	1/2" GL	PRZR Steam Space Sam Line Ctmt Iso Vlv	AO	2X4DB140 F-7	C	C	C	A	RO	Q	Q	AJ	
2-HV-3548	2 / 212	A	1/2" GL	RC Hot Legs Sam Hdr Ctmt Iso Vlv	MO	2X4DB140 D-8	O	C	AI	A	RO	Q	~	AJ	
2-HV-8220	2 / 212	A	1/2" GA	RC Hot Legs Sam Hdr Ctmt Iso Vlv	SO	2X4DB140 D-7	C	C	C	A	RO	Q	Q	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1213

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1213-U6-050	2 / 212	A	3" DI	RF Pur from SFP Pmp to Rx Cav CIV	MA	2X4DB130 G-8	C	C	~	P	~	~	~	AJ	
2-1213-U6-051	2 / 212	A	3" DI	RF Pur from SFP Pmp to Rx Cav CIV	MA	2X4DB130 G-8	C	C	~	P	~	~	~	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1214

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-0780	2 / 212	A	3" GA	Ctmt/Rx Cav Sump Pmp Disch Ctmt Iso Vlv	AO	2X4DB143 G-5	O	C	C	A	RO	Q	Q	AJ	
2-HV-0781	2 / 212	A	3" GA	Ctmt/Rx Cav Sump Pmp Disch Ctmt Iso Vlv	AO	2X4DB143 G-6	O	C	C	A	RO	Q	Q	AJ	
2-PSV-0780	2 / 212	C	3/4" RV	Pen 78 Thermal RV	SA	2X4DB143 H-6	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1217

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1217-U4-084	3 / 313	C	2.50" CH	ACCW To RCP Thermal Barrier Iso CH	SA	2X4DB138-2 E-6	O	C	~	A	~	RO	~	~	ROJ-25
2-1217-U4-085	3 / 313	C	2.50" CH	ACCW To RCP Thermal Barrier Iso CH	SA	2X4DB138-2 C-6	O	C	~	A	~	RO	~	~	ROJ-25
2-1217-U4-086	3 / 313	C	2.50" CH	ACCW To RCP Thermal Barrier Iso CH	SA	2X4DB138-2 B-3	O	C	~	A	~	RO	~	~	ROJ-25
2-1217-U4-087	3 / 313	C	2.50" CH	ACCW To RCP Thermal Barrier Iso CH	SA	2X4DB138-2 F-3	O	C	~	A	~	RO	~	~	ROJ-25
2-1217-U4-113	2 / 212	AC	3/4" CH	ACCW Sup to Ctmt Iso Vlv Bypass Vlv	SA	2X4DB138-2 G-7	C	O/C	~	A	~	RO	~	AJ	ROJ-26
2-HV-19051	3 / 313	B	2.50" GA	Individual RCP Thermal Barrier ACCW Ret Trip Vlv	MO	2X4DB138-2 E-7	O	C	AI	A	RO	CS	~	~	CSJ-24
2-HV-19053	3 / 313	B	2.50" GA	Individual RCP Thermal Barrier ACCW Ret Trip Vlv	MO	2X4DB138-2 C-7	O	C	AI	A	RO	CS	~	~	CSJ-24
2-HV-19055	3 / 313	B	2.50" GA	Individual RCP Thermal Barrier ACCW Ret Trip Vlv	MO	2X4DB138-2 B-2	O	C	AI	A	RO	CS	~	~	CSJ-24
2-HV-19057	3 / 313	B	2.50" GA	Individual RCP Thermal Barrier ACCW Ret Trip Vlv	MO	2X4DB138-2 F-2	O	C	AI	A	RO	CS	~	~	CSJ-24
2-HV-1974	2 / 212	A	10" BU	ACCW Ret From Ctmt Iso Vlv	MO	2X4DB138-2 G-7	O	C	AI	A	RO	CS	~	AJ	CSJ-25
2-HV-1975	2 / 212	A	10" BU	ACCW Ret From Ctmt Iso Vlv	MO	2X4DB138-1 B-2	O	C	AI	A	RO	CS	~	AJ	CSJ-25
2-HV-1978	2 / 212	A	10" BU	ACCW Sup to Ctmt Iso Vlv	MO	2X4DB138-2 H-7	O	C	AI	A	RO	CS	~	AJ	CSJ-25
2-HV-1979	2 / 212	A	10" BU	ACCW Sup to Ctmt Iso Vlv	MO	2X4DB138-1 D-3	O	C	AI	A	RO	CS	~	AJ	CSJ-25

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1217

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-2041	3 / 313	B	3" GA	Common RCP Thermal Barrier ACCW Ret Trip Vlv	MO	2X4DB138-2 F-7	O	C	AI	A	RO	CS	~	~	CSJ-24
2-PSV-1978	2 / 212	C	3/4" RV	Pen 28 Thermal RV	SA	2X4DB138-2 H-8	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1301-U4-008	3 / 313	C	4" CH	MS Hdr Sup CH to AFW Pmp	SA	2X4DB159-2 E-4	O	O/C	~	A	~	CS PQ RO	~	~	ROJ-27 CSJ-26
2-1301-U4-404	3 / 313	C	4" CH	MS Hdr Sup CH to AFW Pmp	SA	2X4DB159-2 E-4	O	O/C	~	A	~	CS PQ RO	~	~	ROJ-27 CSJ-26
2-HV-13005A	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	2X4DB159-2 G-6	O	C	C	A	RO	Q	Q	~	
2-HV-13005B	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	2X4DB159-2 G-6	O	C	C	A	RO	Q	Q	~	
2-HV-13006A	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	2X4DB159-2 A-6	O	C	C	A	RO	Q	Q	~	
2-HV-13006B	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	2X4DB159-2 A-6	O	C	C	A	RO	Q	Q	~	
2-HV-13007A	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	2X4DB159-2 E-6	O	C	C	A	RO	Q	Q	~	
2-HV-13007B	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	2X4DB159-2 E-6	O	C	C	A	RO	Q	Q	~	
2-HV-13008A	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	2X4DB159-2 C-6	O	C	C	A	RO	Q	Q	~	
2-HV-13008B	2 / 212	B	4" GL	MSIV Bypass/Steam Drain Iso Vlv	AO	2X4DB159-2 C-6	O	C	C	A	RO	Q	Q	~	
2-HV-15212A	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	2X4DB159-3 F-4	O	C	C	A	RO	Q	Q	~	
2-HV-15212B	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	2X4DB159-3 B-4	O	C	C	A	RO	Q	Q	~	
2-HV-15212C	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	2X4DB159-1 F-3	O	C	C	A	RO	Q	Q	~	
2-HV-15212D	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	2X4DB159-1 B-3	O	C	C	A	RO	Q	Q	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-15216A	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	2X4DB159-3 F-3	O	C	C	A	RO	Q	Q	~	
2-HV-15216B	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	2X4DB159-3 B-3	O	C	C	A	RO	Q	Q	~	
2-HV-15216C	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	2X4DB159-1 F-3	O	C	C	A	RO	Q	Q	~	
2-HV-15216D	2 / 212	B	3" GL	SG Blowdown Inbrd Iso Vlv	AO	2X4DB159-1 B-3	O	C	C	A	RO	Q	Q	~	
2-HV-3006A	2 / 212	B	29.50" GA	MSIV	EH	2X4DB159-2 H-6	O	C	C	A	RO	CS	CS	~	CSJ-27
2-HV-3006B	2 / 212	B	28" GA	MSIV	EH	2X4DB159-2 H-7	O	C	C	A	RO	CS	CS	~	CSJ-27
2-HV-3009	2 / 212	B	4" GA	MS Line to AFW Pmp Iso Vlv	MO	2X4DB159-2 G-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-3016A	2 / 212	B	29.50" GA	MSIV	EH	2X4DB159-2 F-6	O	C	C	A	RO	CS	CS	~	CSJ-27
2-HV-3016B	2 / 212	B	28" GA	MSIV	EH	2X4DB159-2 F-7	O	C	C	A	RO	CS	CS	~	CSJ-27
2-HV-3019	2 / 212	B	4" GA	MS Line to AFW Pmp Iso Vlv	MO	2X4DB159-2 E-2	O	O/C	AI	A	RO	Q	~	~	
2-HV-3026A	2 / 212	B	29.50" GA	MSIV	EH	2X4DB159-2 D-6	O	C	C	A	RO	CS	CS	~	CSJ-27
2-HV-3026B	2 / 212	B	28" GA	MSIV	EH	2X4DB159-2 D-7	O	C	C	A	RO	CS	CS	~	CSJ-27
2-HV-3036A	2 / 212	B	29.50" GA	MSIV	EH	2X4DB159-2 B-6	O	C	C	A	RO	CS	CS	~	CSJ-27
2-HV-3036B	2 / 212	B	28" GA	MSIV	EH	2X4DB159-2 B-7	O	C	C	A	RO	CS	CS	~	CSJ-27
2-HV-7603A	2 / 212	B	3" GL	SG Blowdown Iso Vlv	AO	2X4DB159-3 F-2	O	C	C	A	RO	Q	Q	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-7603B	2 / 212	B	3" GL	SG Blowdown Iso Vlv	AO	2X4DB159-3 B-2	O	C	C	A	RO	Q	Q	~	
2-HV-7603C	2 / 212	B	3" GL	SG Blowdown Iso Vlv	AO	2X4DB159-1 F-2	O	C	C	A	RO	Q	Q	~	
2-HV-7603D	2 / 212	B	3" GL	SG Blowdown Iso Vlv	AO	2X4DB159-1 B-2	O	C	C	A	RO	Q	Q	~	
2-HV-9451	2 / 212	B	1/2" GL	SG Sam Iso Vlv	SO	2X4DB159-3 E-3	O	C	C	A	RO	Q	Q	~	
2-HV-9452	2 / 212	B	1/2" GL	SG Sam Iso Vlv	SO	2X4DB159-3 B-3	O	C	C	A	RO	Q	Q	~	
2-HV-9453	2 / 212	B	1/2" GL	SG Sam Iso Vlv	SO	2X4DB159-1 E-2	O	C	C	A	RO	Q	Q	~	
2-HV-9454	2 / 212	B	1/2" GL	SG Sam Iso Vlv	SO	2X4DB159-1 B-3	O	C	C	A	RO	Q	Q	~	
2-PSV-3001	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 H-3	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3002	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 H-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3003	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 H-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3004	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 H-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3005	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 H-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3011	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 F-3	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3012	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 F-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3013	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 F-4	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-PSV-3014	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 F-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3015	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 F-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3021	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 D-3	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3022	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 D-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3023	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 D-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3024	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 D-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3025	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 D-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3031	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 B-3	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3032	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 B-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3033	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 B-4	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3034	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 B-5	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-3035	2 / 212	C	6" RV	MS Safety Vlv	SA	2X4DB159-2 B-5	C	O/C	~	A	~	~	~	~	Note 6
2-PV-3000	2 / 212	B	10" GL	ARV	EH	2X4DB159-2 H-2	C	O/C	C	A	RO	Q	Q	~	
2-PV-3010	2 / 212	B	10" GL	ARV	EH	2X4DB159-2 F-2	C	O/C	C	A	RO	Q	Q	~	
2-PV-3020	2 / 212	B	10" GL	ARV	EH	2X4DB159-2 D-2	C	O/C	C	A	RO	Q	Q	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-PV-3030	2 / 212	B	10" GL	ARV	EH	2X4DB159-2 C-2	C	O/C	C	A	RO	Q	Q	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1302

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1302-U4-001	3 / 313	C	4" CH	AFW Pmp Disch CH	SA	2X4DB161-2 B-5	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-002	3 / 313	C	4" CH	AFW Pmp Disch CH	SA	2X4DB161-2 D-5	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-013	3 / 313	C	10" CH	AFW Pmp Suc CH	SA	2X4DB161-2 F-7	C	O	~	A	~	CS PQ	~	~	CSJ-29
2-1302-U4-014	3 / 313	C	6" CH	AFW Pmp Disch CH	SA	2X4DB161-2 F-5	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-017	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	2X4DB161-2 H-3	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-020	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	2X4DB161-2 G-3	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-023	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	2X4DB161-2 F-3	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-026	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	2X4DB161-2 E-3	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-033	3 / 313	C	8" CH	AFW Pmp Suc CH	SA	2X4DB161-2 B-7	C	O	~	A	~	CS PQ	~	~	CSJ-29
2-1302-U4-037	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	2X4DB161-2 D-3	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-040	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	2X4DB161-2 C-3	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-043	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	2X4DB161-2 B-3	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-046	2 / 212	C	4" CH	AFW Hdr Stop/CH	SA	2X4DB161-2 B-3	C	O	~	A	~	CS	~	~	CSJ-28
2-1302-U4-051	3 / 313	C	10" CH	AFW Pmp Suc CH	SA	2X4DB161-2 E-7	C	O	~	A	~	CS PQ	~	~	CSJ-29
2-1302-U4-052	3 / 313	C	8" CH	AFW Pmp Suc CH	SA	2X4DB161-2 A-7	C	O	~	A	~	CS PQ	~	~	CSJ-29

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1302

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1302-U4-058	3 / 313	C	8" CH	AFW Pmp Suc CH	SA	2X4DB161-2 D-7	C	O	~	A	~	CS PQ	~	~	CSJ-29
2-1302-U4-061	3 / 313	C	8" CH	AFW Pmp Suc CH	SA	2X4DB161-2 C-7	C	O	~	A	~	CS PQ	~	~	CSJ-29
2-1302-U4-085	3 / 313	C	2.50" CH	AFW Pmp Recir Line CH	SA	2X4DB161-1 G-6	C	O	~	A	~	Q	~	~	
2-1302-U4-086	3 / 313	C	2.50" CH	AFW Pmp Recir Line CH	SA	2X4DB161-1 B-6	C	O	~	A	~	Q	~	~	
2-1302-U4-087	3 / 313	C	2.50" CH	AFW Pmp Recir Line CH	SA	2X4DB161-1 B-6	C	O	~	A	~	Q	~	~	
2-1302-U4-113	2 / 212	C	4" CH	AFW Hdr CH at FW Bypass Hdrs	SA	2X4DB168-3 F-2	C	O/C	~	A	~	CS Q	~	~	CSJ-30
2-1302-U4-114	2 / 212	C	4" CH	AFW Hdr CH at FW Bypass Hdrs	SA	2X4DB168-3 F-4	C	O/C	~	A	~	CS Q	~	~	CSJ-30
2-1302-U4-115	2 / 212	C	4" CH	AFW Hdr CH at FW Bypass Hdrs	SA	2X4DB168-3 F-8	C	O/C	~	A	~	CS Q	~	~	CSJ-30
2-1302-U4-116	2 / 212	C	4" CH	AFW Hdr CH at FW Bypass Hdrs	SA	2X4DB168-3 F-6	C	O/C	~	A	~	CS Q	~	~	CSJ-30
2-1302-U4-117	2 / 212	C	6" CH	Main FW Bypass Hdr CH (Obrd Ctmt)	SA	2X4DB168-3 F-2	O	C	~	A	~	RO	~	~	ROJ-28
2-1302-U4-118	2 / 212	C	6" CH	Main FW Bypass Hdr CH (Obrd Ctmt)	SA	2X4DB168-3 F-4	O	C	~	A	~	RO	~	~	ROJ-28
2-1302-U4-119	2 / 212	C	6" CH	Main FW Bypass Hdr CH (Obrd Ctmt)	SA	2X4DB168-3 F-6	O	C	~	A	~	RO	~	~	ROJ-28
2-1302-U4-120	2 / 212	C	6" CH	Main FW Bypass Hdr CH (Obrd Ctmt)	SA	2X4DB168-3 F-8	O	C	~	A	~	RO	~	~	ROJ-28
2-1302-U4-125	2 / 212	C	6" CH	Main FW Bypass Hdr Ctmt Iso CH	SA	2X4DB168-3 G-2	O	O	~	A	~	CS PQ RO	~	~	CSJ-31

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1302

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1302-U4-126	2 / 212	C	6" CH	Main FW Bypass Hdr Ctmt Iso CH	SA	2X4DB168-3 G-4	O	O	~	A	~	CS PQ RO	~	~	CSJ-31
2-1302-U4-127	2 / 212	C	6" CH	Main FW Bypass Hdr Ctmt Iso CH	SA	2X4DB168-3 G-6	O	O	~	A	~	CS PQ RO	~	~	CSJ-31
2-1302-U4-128	2 / 212	C	6" CH	Main FW Bypass Hdr Ctmt Iso CH	SA	2X4DB168-3 G-8	O	O	~	A	~	CS PQ RO	~	~	CSJ-31
2-FV-5154	3 / 313	B	2" GL	Mot-Driven AFW Pmp Recir Line Stop Vlv	MO	2X4DB161-2 C-5	O	O/C	AI	A	RO	Q	~	~	
2-FV-5155	3 / 313	B	2" GL	Mot-Driven AFW Pmp Recir Line Stop Vlv	MO	2X4DB161-2 B-5	O	O/C	AI	A	RO	Q	~	~	
2-HV-15196	2 / 212	B	6" GA	Main FW Bypass Iso Vlv	AO	2X4DB168-3 E-2	O	C	C	A	RO	CS	CS	~	CSJ-32
2-HV-15197	2 / 212	B	6" GA	Main FW Bypass Iso Vlv	AO	2X4DB168-3 E-4	O	C	C	A	RO	CS	CS	~	CSJ-32
2-HV-15198	2 / 212	B	6" GA	Main FW Bypass Iso Vlv	AO	2X4DB168-3 E-8	O	C	C	A	RO	CS	CS	~	CSJ-32
2-HV-15199	2 / 212	B	6" GA	Main FW Bypass Iso Vlv	AO	2X4DB168-3 E-6	O	C	C	A	RO	CS	CS	~	CSJ-32
2-HV-5106	3 / 313	B	4" GL	AFW Steam Sup Stop Vlv	MO	2X4DB161-3 G-5	C	O	AI	A	RO	Q	~	~	
2-HV-5113	3 / 313	B	10" BU	AFW Pmp Suc From CST Iso Vlv	MO	2X4DB161-2 E-8	C	O	AI	A	RO	Q	~	~	
2-HV-5118	3 / 313	B	8" BU	AFW Pmp Suc From CST Iso Vlv	MO	2X4DB161-2 C-8	C	O	AI	A	RO	Q	~	~	
2-HV-5119	3 / 313	B	8" BU	AFW Pmp Suc From CST Iso Vlv	MO	2X4DB161-2 A-8	C	O	AI	A	RO	Q	~	~	
2-HV-5120	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	2X4DB161-2 H-3	O	O/C	AI	A	RO	Q	~	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1302

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-5122	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	2X4DB161-2 G-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-5125	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	2X4DB161-2 F-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-5127	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	2X4DB161-2 E-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-5132	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	2X4DB161-2 D-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-5134	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	2X4DB161-2 C-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-5137	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	2X4DB161-2 B-3	O	O/C	AI	A	RO	Q	~	~	
2-HV-5139	2 / 212	B	4" GL	AFW Pmp Disch Hdr Iso Vlv	MO	2X4DB161-2 B-3	O	O/C	AI	A	RO	Q	~	~	
2-PSV-5110	3 / 313	C	3/4" RV	AFW Pmp Suc RV	SA	2X4DB161-2 G-7	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-5128	3 / 313	C	3/4" RV	AFW Pmp Suc RV	SA	2X4DB161-2 D-7	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-5129	3 / 313	C	3/4" RV	AFW Pmp Suc RV	SA	2X4DB161-2 B-7	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1305

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-FV-0510	3 / 313	B	16" AN	Main FW Reg Vlv	AO	2X4DB168-3 D-2	O	C	C	A	RO	CS	CS	~	CSJ-33
2-FV-0520	3 / 313	B	16" AN	Main FW Reg Vlv	AO	2X4DB168-3 D-3	O	C	C	A	RO	CS	CS	~	CSJ-33
2-FV-0530	3 / 313	B	16" AN	Main FW Reg Vlv	AO	2X4DB168-3 D-7	O	C	C	A	RO	CS	CS	~	CSJ-33
2-FV-0540	3 / 313	B	16" AN	Main FW Reg Vlv	AO	2X4DB168-3 D-5	O	C	C	A	RO	CS	CS	~	CSJ-33
2-HV-5227	2 / 212	B	16" GA	Main FW Iso Vlv	EH	2X4DB168-3 F-1	O	C	C	A	RO	CS	CS	~	CSJ-34
2-HV-5228	2 / 212	B	16" GA	Main FW Iso Vlv	EH	2X4DB168-3 F-3	O	C	C	A	RO	CS	CS	~	CSJ-34
2-HV-5229	2 / 212	B	16" GA	Main FW Iso Vlv	EH	2X4DB168-3 F-7	O	C	C	A	RO	CS	CS	~	CSJ-34
2-HV-5230	2 / 212	B	16" GA	Main FW Iso Vlv	EH	2X4DB168-3 F-5	O	C	C	A	RO	CS	CS	~	CSJ-34
2-LV-5242	3 / 313	B	4" GL	Main FW Bypass Reg Vlv	AO	2X4DB168-3 D-5	O/C	C	C	A	RO	Q	Q	~	
2-LV-5243	3 / 313	B	4" GL	Main FW Bypass Reg Vlv	AO	2X4DB168-3 D-2	O/C	C	C	A	RO	Q	Q	~	
2-LV-5244	3 / 313	B	4" GL	Main FW Bypass Reg Vlv	AO	2X4DB168-3 D-3	O/C	C	C	A	RO	Q	Q	~	
2-LV-5245	3 / 313	B	4" GL	Main FW Bypass Reg Vlv	AO	2X4DB168-3 D-7	O/C	C	C	A	RO	Q	Q	~	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1411

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1411-U4-676	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	MA	2X4DB159-1 G-2	C	C	~	P	~	~	~	AJ	
2-1411-U4-677	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	MA	2X4DB159-1 C-2	C	C	~	P	~	~	~	AJ	
2-1411-U4-678	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	MA	2X4DB159-3 G-2	C	C	~	P	~	~	~	AJ	
2-1411-U4-679	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	MA	2X4DB159-3 C-3	C	C	~	P	~	~	~	AJ	
2-HV-5278	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	AO	2X4DB159-3 G-2	C	C	~	P	RO	~	~	AJ	
2-HV-5279	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	AO	2X4DB159-3 C-2	C	C	~	P	RO	~	~	AJ	
2-HV-5280	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	AO	2X4DB159-1 G-2	C	C	~	P	RO	~	~	AJ	
2-HV-5281	2 / 212	A	1/2" GL	Chem Sup to SG Ctmt Iso Vlv	AO	2X4DB159-1 C-2	C	C	~	P	RO	~	~	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1418

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1418-U4-005	2 / 212	A	2" GL	Demin Water Sup to Ctmt Iso Vlv	MA	AX4DB190-2 B-4	C	C	~	P	~	~	~	AJ	
2-1418-U4-038	2 / 212	AC	2" CH	Demin Water Sup to Ctmt Iso CH	SA	AX4DB190-2 B-3	C	C	~	P	~	~	~	AJ	
2-PSV-17589	2 / 212	AC	1.5" RV	Demin Water Sup to Ctmt RV	SA	AX4DB190-2 C-3	C	C	~	P	~	~	~	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1505

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-2626A	2 / 212	A	24" BU	Ctmt Purge Sup Ctmt Iso Vlv	MO	2X4DB213-1 E-7	O/C	C	AI	A	RO	CS	~	AJ	CSJ-35
2-HV-2626B	2 / 212	A	14" BU	Ctmt Mini-Purge Sup Ctmt Iso Vlv	AO	2X4DB213-1 D-7	O/C	C	C	A	RO	Q	Q	AJ	
2-HV-2627A	2 / 212	A	24" BU	Ctmt Purge Sup Ctmt Iso Vlv	MO	2X4DB213-1 E-6	O/C	C	AI	A	RO	CS	~	AJ	CSJ-35
2-HV-2627B	2 / 212	A	14" BU	Ctmt Mini-Purge Sup Ctmt Iso Vlv	AO	2X4DB213-1 D-6	O/C	C	C	A	RO	Q	Q	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1506

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-2628A	2 / 212	A	24" BU	Ctmt Purge Sup Ctmt Iso Vlv	MO	2X4DB213-1 C-7	O/C	C	AI	A	RO	CS	~	AJ	CSJ-36
2-HV-2628B	2 / 212	A	14" BU	Ctmt Mini-Purge Sup Ctmt Iso Vlv	AO	2X4DB213-1 B-7	O/C	C	C	A	RO	Q	Q	AJ	
2-HV-2629A	2 / 212	A	24" BU	Ctmt Purge Sup Ctmt Iso Vlv	MO	2X4DB213-1 C-6	O/C	C	AI	A	RO	CS	~	AJ	CSJ-36
2-HV-2629B	2 / 212	A	14" BU	Ctmt Mini-Purge Sup Ctmt Iso Vlv	AO	2X4DB213-1 B-6	O/C	C	C	A	RO	Q	Q	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1508

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1508-U4-012	2 / 212	A	4" GA	Ctmt Post Accident Purge Exh Ctmt Man Iso Vlv	MA	2X4DB213-1 G-6	C	C	~	P	~	~	~	AJ	
2-HV-2624A	2 / 212	A	4" BU	Ctmt Post Accident Purge Exh Ctmt Iso Vlv	MO	2X4DB213-1 G-7	C	C	~	P	RO	~	~	AJ	
2-HV-2624B	2 / 212	A	4" BU	Ctmt Post Accident Purge Exh Ctmt Iso Vlv	MO	2X4DB213-1 F-7	C	C	~	P	RO	~	~	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1513

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1513-U4-001	2 / 212	AC	3/4" CH	H2 Analyzer Ret to Ctmt Iso CH	SA	2X4DB213-2 B-7	C	O/C	~	A	~	Q RO	~	AJ	ROJ-29
2-1513-U4-002	2 / 212	AC	3/4" CH	H2 Analyzer Ret to Ctmt Iso CH	SA	2X4DB213-2 B-7	C	O/C	~	A	~	Q RO	~	AJ	ROJ-29
2-HV-2790A	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	2X4DB213-2 E-7	C	O/C	C	A	RO	Q	Q	AJ	
2-HV-2790B	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	2X4DB213-2 D-7	C	O/C	C	A	RO	Q	Q	AJ	
2-HV-2791A	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	2X4DB213-2 E-6	C	O/C	C	A	RO	Q	Q	AJ	
2-HV-2791B	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	2X4DB213-2 C-6	C	O/C	C	A	RO	Q	Q	AJ	
2-HV-2792A	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	2X4DB213-2 C-7	C	O/C	C	A	RO	Q	Q	AJ	
2-HV-2792B	2 / 212	A	3/4" GL	H2 Analyzer Sup From Ctmt Iso Vlv	SO	2X4DB213-2 C-7	C	O/C	C	A	RO	Q	Q	AJ	
2-HV-2793A	2 / 212	A	3/4" GL	H2 Analyzer Ret to Ctmt Iso Vlv	SO	2X4DB213-2 B-6	C	O/C	C	A	RO	Q	Q	AJ	
2-HV-2793B	2 / 212	A	3/4" GL	H2 Analyzer Ret to Ctmt Iso Vlv	SO	2X4DB213-2 B-6	C	O/C	C	A	RO	Q	Q	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1592

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-1592-U4-188	3 / 313	C	1" CH	Chilled Water Makeup From Demin Water Sys CH	SA	2X4DB221 F-7	O/C	C	~	A	~	Q	~	~	
2-1592-U4-192	3 / 313	C	1" CH	Chilled Water Makeup From Demin Water Sys CH	SA	2X4DB221 C-7	O/C	C	~	A	~	Q	~	~	
2-PSV-22404	3 / 313	C	3/4" RV	Demin Water to Exp Tank RV	SA	2X4DB221 G-7	C	O/C	~	A	~	~	~	~	Note 6
2-PSV-22405	3 / 313	C	3/4" RV	Demin Water to Exp Tank RV	SA	2X4DB221 D-7	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1609

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-12975	2 / 212	A	1" GA	Sam Line To Air Sam Pan Ctmt Iso Vlv	SO	2X4DB213-2 E-3	O	C	C	A	RO	Q	Q	AJ	
2-HV-12976	2 / 212	A	1" GA	Sam Line To Air Sam Pan Ctmt Iso Vlv	SO	2X4DB213-2 E-2	O	C	C	A	RO	Q	Q	AJ	
2-HV-12977	2 / 212	A	1" GL	Sam Line Ret From Air Sam Pan Ctmt Iso Vlv	SO	2X4DB213-2 D-2	O	C	C	A	RO	Q	Q	AJ	
2-HV-12978	2 / 212	A	1" GL	Sam Line Ret From Air Sam Pan Ctmt Iso Vlv	SO	2X4DB213-2 D-3	O	C	C	A	RO	Q	Q	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 1901

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-7126	2 / 212	A	3/4" DI	RCDT Vent/H2 Sup Ctmt Iso Vlv	AO	2X4DB127 G-5	O	C	C	A	RO	Q	Q	AJ	
2-HV-7136	2 / 212	A	3" DI	RCDT Pmp Disch Ctmt Iso Vlv	AO	2X4DB127 E-1	O	C	C	A	RO	Q	Q	AJ	
2-HV-7150	2 / 212	A	3/4" DI	RCDT Vent/H2 Sup Ctmt Iso Vlv	AO	2X4DB127 G-4	O	C	C	A	RO	Q	Q	AJ	
2-HV-7699	2 / 212	A	3" DI	RCDT Pmp Disch Ctmt Iso Vlv	AO	2X4DB127 D-1	O	C	C	A	RO	Q	Q	AJ	
2-PSV-7699	2 / 212	C	3/4" RV	Pen 77 Thermal RV	SA	2X4DB127 E-1	C	O/C	~	A	~	~	~	~	Note 6

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 2301

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-2301-U4-036	2 / 212	AC	6" CH	Fire Prot Water Sup to Ctmt Iso CH	SA	2X4DB174-4 B-7	C	C	~	P	~	~	~	AJ	
2-HV-27901	2 / 212	A	4" GA	Fire Prot Water Sup to Ctmt Iso Vlv	AO	2X4DB174-4 B-7	C	C	C	P	RO	CS	CS	AJ	CSJ-37

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 2401

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-2401-U4-034	2 / 212	AC	4" CH	Ser Air Sup Inbrd Ctmt Iso CH	SA	2X4DB186-1 D-3	C	C	~	P	~	~	~	AJ	
2-2401-U4-184	2 / 212	AC	1.50" CH	Breathing Air Sup Ctmt Iso CH	SA	2X4DB186-1 C-3	C	C	~	P	~	~	~	AJ	
2-2401-U4-211	2 / 212	A	1.50" GA	Breathing Air Sup Ctmt Iso Vlv	MA	2X4DB186-1 C-3	C	C	~	P	~	~	~	AJ	
2-HV-9385	2 / 212	A	4" GA	Ser Air Sup Obrd Ctmt Iso Vlv	AO	2X4DB186-1 D-4	C	C	C	P	RO	Q	Q	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 2402

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-2402-U4-017	2 / 212	AC	1" CH	Nitrogen Sup to Accums, Inbrd Ctmt Iso CH	SA	2X4DB120 G-1	C	C	~	A	~	RO	~	AJ	ROJ-30
2-HV-8880	2 / 212	A	1" GL	Nitrogen Sup To Accums, Obrd Ctmt Iso Vlv	AO	2X4DB120 G-1	O/C	C	C	A	RO	Q	Q	AJ	

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 2420

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-2420-U4-049	2 / 212	AC	2" CH	Inst Air Sup Inbrd Ctmt Iso CH	SA	2X4DB186-4 A-7	O	C	~	A	~	RO	~	AJ	ROJ-31
2-HV-9378	2 / 212	A	2" GL	Inst Air Sup to Ctmt Obrd Ctmt Iso Vlv	AO	2X4DB186-4 A-7	O	C	C	A	RO	CS	CS	AJ	CSJ-38

VEGP-2 IST PROGRAM VALVE TABLE

SYSTEM 2702

VLV ID	CC/PC	CAT	TYPE	FUNCTION	AT	PID / COORD	NP	SP	FP	A/P	PI	ET	FST	LT	NOTES/CSJ/ROJ
2-HV-8208	2 / 212	A	1" GL	PASS Liquid Sam Ret Ctmt Iso Vlv	SO	2X4DB110 F-8	C	C	C	A	RO	Q	Q	AJ	
2-HV-8209	2 / 212	A	1" GL	PASS Liquid Sam Ret Ctmt Iso Vlv	SO	2X4DB110 F-7	C	C	C	A	RO	Q	Q	AJ	
2-HV-8211	2 / 212	A	1" GL	PASS Gaseous Sam Ret Ctmt Iso Vlv	SO	2X4DB110 C-8	C	C	C	A	RO	Q	Q	AJ	
2-HV-8212	2 / 212	A	1" GL	PASS Gaseous Sam Ret Ctmt Iso Vlv	SO	2X4DB110 C-7	C	C	C	A	RO	Q	Q	AJ	

REFUELING OUTAGE JUSTIFICATION

ROJ-14

SYSTEM: RHR-System No. 1205

VALVE(S): 1(2)-1205 U4-122, 1(2)-1205 U4-123

CATEGORY: A

CLASS: 2

FUNCTION: These valves open to allow flow from the containment sumps to the RHR pumps. They close to prevent the RWST tank from draining to the containment sumps.

QUARTERLY TEST
REQUIREMENT: Forward flow exercise and reverse flow closure (ISTC 4.5.1)

BASIS FOR
JUSTIFICATION: Forward flow exercising can be confirmed only by initiating flow through the valves from the containment sumps. The sumps are maintained in a dry condition during all modes of plant operation, therefore, there is no fluid available for a forward flow test. The only method available to confirm reverse flow closure is subjecting the valves to differential head pressure between the RWST and the containment sumps by opening the containment sump motor isolation valve. If the isolation fails to close, there exist the potential for flooding the containment.

PARTIAL QUARTERLY
EXERCISE: None

ALTERNATE
TESTING: One of these valves will be disassembled and manually stroked every refueling on a rotating basis. If disassembly reveals that the valve is not functional, the remaining valve will be disassembled. This ROJ complies with the alternative to full flow testing of check valves as described in Position 2 of NRC Generic Letter 89-04.