

Georgia Power Company  
Route 2, Box 299A  
Waynesboro, Georgia 30830  
Telephone 404 554-9961  
404 724-8114

Southern Company Services, Inc.  
Post Office Box 2625  
Birmingham, Alabama 35202  
Telephone 205 870-6011



**Vogtle Project**

May 31, 1985

Director of Nuclear Reactor Regulation  
Attention: Ms. Elinor G. Adensam, Chief  
Licensing Branch #4  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

File: X3BL01  
Log: GN-634

NRC DOCKET NUMBERS 50-424 AND 50-425  
CONSTRUCTION PERMIT NUMBERS CPPR-108 AND CPPR-109  
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2  
DESIGN REVIEW/QUALITY REVALIDATION REPORT  
EQUIPMENT QUALIFICATION

---

Dear Mr. Denton:

Pursuant to FSAR Amendment 15 we are providing the attached response to SER open items 26c, 26g, and 26h. The responses address Equipment Qualification Standards, Environmental Qualification of Check Valves, and Administrative Controls for Component Qualification.

Additional information on the Vogtle Equipment Qualification Program, which was requested in NRC letter dated January 15, 1985, will be provided by September 30, 1985.

If your staff requires any additional information, please do not hesitate to call me.

Sincerely,

J. A. Bailey  
Project Licensing Manager

Enclosure  
JAB/JMW/caa

xc: D. O. Foster  
M. A. Miller  
R. A. Thomas  
G. Bockhold, Jr.  
L. T. Gucwa  
L. Fowler  
J. E. Joiner, Esquire  
B. W. Churchill, Esquire  
B. Jones, Esquire (w/o encl.)  
T. Johnson (w/o encl.)  
C. D. Teper (w/o encl.)  
Vogtle Project File

*AOAG*  
*11*

0024V

8506100364 850531  
PDR ADOCK 05000424  
E PDR

ATTACHMENT 1

METHODS AND STANDARDS FOR QUALIFICATION  
SER Item 26C

BOP Pump EQDP\*

Code or Standard	X4AF01	X4AF02	X4AF03	X4AF04	X4AJ05
ASME Section III	X	X	X	X	X
ASME Section II A&C		X	X	X	X
ASME Section V				X	
ASME Section IX			X	X	X
ASME Code Case N-82					X
ASME Code Case N-147			X		
ANSI N45.2-1971	X	X	X	X	X
ANSI N45.2.2-1972	X	X	X	X	X
ANSI B16.5		X	X	X	X
ASTM A106			X		
ASTM B148			X		
ASTM A362			X		
ASTM 1978			X	X	
ASTM A216			X		
ASTM A193			X		
HI 1975	X		X	X	X
OSHA				X	X
MSS SP-55			X		X
STD-615			X		
AWS			X		
IEEE-323	X	X	X	X	X
IEEE-334	X	X	X	X	X
IEEE-344	X	X	X	X	X
IEEE-1	X	X	X	X	X

\*See Tables 1 and 2  
0028V

METHODS AND STANDARDS FOR QUALIFICATION  
SER Item 26C

## BOP Pump EQDP\*

Code or Standard	X4AF01	X4AF02	X4AF03	X4AF04	X4AJ05
IEEE 98	X	X	X	X	X
IEEE-99	X	X	X	X	X
IEEE-101	X	X	X	X	X
IEEE-317	X	X	X	X	X
IEEE-334					
IEEE-380	X	X	X	X	X
IEEE-381	X	X	X	X	X
IEEE-382	X	X	X	X	X
IEEE-383	X	X	X	X	X
IEEE-420	X	X	X	X	X
IEEE-535	X	X	X	X	X
IEEE-650	X	X	X	X	X
IEEE-501	X	X	X	X	X
Reg. Guide 1.61	X	X	X	X	X
Reg. Guide 1.92	X	X	X	X	X
Reg. Guide 1.100	X	X	X	X	X
Reg. Guide 1.67					
Reg. Guide 1.48					
ANSI/ASME III 1-A App. N	X	X	X	X	X
IRIG 106-66	X	X	X	X	X

\*See Tables 1 and 2

METHODS AND STANDARDS FOR QUALIFICATION  
SER Item 26C

## BOP Valve EQDP\*

Code or Standard	X4AR01	X4AR17	X4AR19	X5AC01	X5AC03	X5AC05	X5AC13	X4AR21	X4AR00	X5AC07
ASME Section III	X	X	X	X	X	X	X	X	X	X
ASME Section II A&C				X						
ASME Section V				X						
ASME Section IX	X		X	X		X		X		X
ASME Code Case N-82										
ASME Code Case N-147										
ANSI N45.2-1971	X	X	X	X	X	X	X	X	X	X
ANSI N45.2.2-1972	X	X	X	X	X	X	X	X	X	X
ANSI B16.5	X				X	X				
ASTM A106										
ASTM B148										
ASTM A362										
ASTM 1978										
ASTM A216										
ASTM A193										
HI 1975										
OSHA		X	X							
MSS SP-55	X			X	X	X	X	X		X
STD-615										
IEEE-323	X	X	X				X		X	X
IEEE-334							X		X	X
IEEE-344	X	X	X				X		X	X
IEEE-1	X	X	X				X		X	X

\*See Tables 1 and 2

METHODS AND STANDARDS FOR QUALIFICATION  
SER Item 26C

Code or Standard	BOP Valve EQDP*									
	X4AR01	X4AR17	X4AR19	X5AC01	X5AC03	X5AC05	X5AC13	X4AR21	X4AR00	X5AC07
IEEE 98	X	X	X						X	X
IEEE-99	X	X	X						X	X
IEEE-101	X	X	X						X	X
IEEE-317	X	X	X						X	X
IEEE-334	X	X	X						X	X
IEEE-380	X	X	X						X	X
IEEE-381	X	X	X						X	X
IEEE-382	X	X	X				X		X	
IEEE-383	X	X	X						X	X
IEEE-420	X	X	X						X	X
IEEE-535	X	X	X						X	X
IEEE-650	X	X	X						X	X
IEEE-501	X	X	X							X
Reg. Guide 1.61	X	X	X						X	X
Reg. Guide 1.92	X	X	X						X	X
Reg. Guide 1.100	X	X	X						X	X
Reg. Guide 1.67						X				
Reg. Guide 1.48						X	X			
ANSI/ASME III 1-A App. N	X	X							X	X
IRIG 106-66	X	X	X						X	X
ANSI B16.10	X			X			X			X
MSS-SP-61	X							X	X	
ANSI S1.2-62		X	X							
ASME Section XI		X	X							

\*See Tables 1 and 2  
0028V

METHODS AND STANDARDS FOR QUALIFICATION  
SER Item 26C

Code or Standard	BOP Valve EQDP*									
	X4AR01	X4AR17	X4AR19	X5AC01	X5AC03	X5AC05	X5AC13	X4AR21	X4AR00	X5AC07
ASTM A564		X	X							
ASTM E94		X	X							
AWS A5.13		X								X
MSS-SP-45		X	X	X						X
NEMA ICS I-110		X	X	X	X		X			X
NEMA MG-1		X								
ANSI B16.11				X			X		X	X
ANSI B16.34				X	X		X	X		X
SSPC-VIS-1-67T ASA					X					
ASME Section VIII					X					
ISA RP 59.2				X						
MSS SP-5				X						
ASME Section II							X			
ANSI B147.1							X			
MSS-SP-67				X	X					
ANSI N101.4				X	X	X				X
ANSI-B31.1					X					X
SSPC-SP-10				X	X	X	X			X
SSPC-SP-6				X	X	X	X			X
ANSI B16.104				X			X			X
ANSI-N101.2				X	X	X	X			X
MSS-SP-25				X	X		X			X
NEMA ICS-1-109							X			X

\*See Tables 1 and 2

TABLE 1  
(Sheet 1 of 2)

BOP ACTIVE PUMPS

<u>Pump</u>	<u>Equipment Tag Number</u>	<u>FSAR Figure</u>	<u>Applicable BOP EQDP</u>
Nuclear Service Cooling Water (NSCW) Pump	1-1202-P4-001	9.2.1-1	X4AF02
NSCW Pump	1-1202-P4-002	9.2.1-1	X4AF02
NSCW Pump	1-1202-P4-003	9.2.1-1	X4AF02
NSCW Pump	1-1202-P4-004	9.2.1-1	X4AF02
NSCW Pump	1-1202-P4-005	9.2.1-1	X4AF02
NSCW Pump	1-1202-P4-006	9.2.1-1	X4AF02
NSCW Transfer Pump	1-1202-P4-007	9.2.1-1	X4AF02
NSCW Transfer Pump	1-1202-P4-008	9.2.1-1	X4AF02
Component Cooling Water (CCW) Pump	1-1203-P4-001	9.2.1-1	X4AF01
CCW Pump	1-1203-P4-002	9.2.2-1	X4AF01
CCW Pump	1-1203-P4-003	9.2.2-1	X4AF01
CCW Pump	1-1203-P4-004	9.2.2-1	X4AF01
CCW Pump	1-1203-P4-005	9.2.2-1	X4AF01
CCW Pump	1-1203-P4-006	9.2.2-1	X4AF01
Auxiliary Feedwater Turbine-Driven Pump	1-1302-P4-001	10.4.9-1	X4AF03
Auxiliary Feedwater Turbine-Driven Pump	1-1302-P4-002	10.4.9-1	X4AF03
Auxiliary Feedwater Turbine-Driven Pump	1-1302-P4-003	10.4.9-1	X4AF03
Diesel Fuel Oil Storage Tank Pump	1-2403-P4-001	9.5.4-1	X4AF04
Diesel Fuel Oil Storage Tank Pump	1-2403-P4-002	9.5.4-1	X4AF04
Diesel Fuel Oil Storage Tank Pump	1-2403-P4-003	9.5.4-1	X4AF04
Diesel Fuel Oil Storage Tank Pump	1-2403-P4-004	9.5.4-1	X4AF04



TABLE 1  
(Sheet 2 of 2)

BOP ACTIVE PUMPS

<u>Pump</u>	<u>Equipment Tag Number</u>	<u>FSAR Figure</u>	<u>Applicable BOP EQDP</u>
Control Building ESF Chilled Water Pump	1-1592-P7-001	9.2.9-1	X4AJ05
Control Building ESF Chilled Water Pump	1-1592-P7-002	9.2.9-1	X4AJ05



TABLE 2  
(Sheet 1 of 5)

BOP ACTIVE VALVES

<u>Valve No.</u>	<u>System</u>	<u>Active Function<sup>(a)</sup></u>	<u>FSAR Figure</u>	<u>Applicable BOP EQDP</u>
HV-10950	SIS	(1)	6.3.2-1	X5AC07
HV-10951	SIS	(1)	6.3.2-1	X5AC07
HV-10952	SIS	(1)	6.3.2-1	X5AC07
HV-10953	SIS	(1)	6.3.2-1	X5AC07
HV-10957	SIS	(1)	6.3.2-1	X4AR01
HV-10958	SIS	(1)	6.3.2-1	X4AR01
262	SIS	(2)	6.3.2-1	X4AR01
263	SIS	(2)	6.3.2-1	X4AR01
HV-1668A	NSCW	(4)	9.2.1-1	X5AC03
HV-1668B	NSCW	(4)	9.2.1-1	X5AC03
CV-9446	NSCW	(4)	9.2.1-1	X5AC01
025	NSCW	(4)	9.2.1-1	X4AR21
031	NSCW	(4)	9.2.1-1	X4AR21
035	NSCW	(4)	9.2.1-1	X4AR21
155	NSCW	(4)	9.2.1-1	X4AR00
156	NSCW	(4)	9.2.1-1	X4AR00
172	NSCW	(4)	9.2.1-1	X4AR00
HV-1669B	NSCW	(4)	9.2.1-1	X5AC03
HV-1669A	NSCW	(4)	9.2.1-1	X5AC03
CV-9447	NSCW	(4)	9.2.1-1	X5AC01
027	NSCW	(4)	9.2.1-1	X4AR21
033	NSCW	(4)	9.2.1-1	X4AR21
037	NSCW	(4)	9.2.1-1	X4AR21
167	NSCW	(4)	9.2.1-1	X4AR00
168	NSCW	(4)	9.2.1-1	X4AR00
173	NSCW	(4)	9.2.1-1	X4AR00
257	NSCW	(4)	9.2.1-1	X4AR00
258	NSCW	(4)	9.2.1-1	X4AR00
259	NSCW	(4)	9.2.1-1	X4AR00
424	NSCW	(4)	9.2.1-1	X4AR00
425	NSCW	(4)	9.2.1-1	X4AR00
426	NSCW	(4)	9.2.1-1	X4AR00
463	NSCW	(4)	9.2.1-1	X4AR01
464	NSCW	(4)	9.2.1-1	X4AR01
465	NSCW	(4)	9.2.1-1	X4AR01
466	NSCW	(4)	9.2.1-1	X4AR01
467	NSCW	(4)	9.2.1-1	X4AR01
468	NSCW	(4)	9.2.1-1	X4AR01
469	NSCW	(4)	9.2.1-1	X4AR01
470	NSCW	(4)	9.2.1-1	X4AR01
471	NSCW	(4)	9.2.1-1	X4AR01
472	NSCW	(4)	9.2.1-1	X4AR01
473	NSCW	(4)	9.2.1-1	X4AR01
474	NSCW	(4)	9.2.1-1	X4AR01
HV-1806	NSCW	(1)	9.2.1-1	X5AC01
HV-1808	NSCW	(1)	9.2.1-1	X5AC01
HV-1830	NSCW	(1)	9.2.1-1	X5AC01
HV-2134	NSCW	(1)	9.2.1-1	X5AC01

TABLE 2  
(Sheet 2 of 5)

BOP ACTIVE VALVES

<u>Valve No.</u>	<u>System</u>	<u>Active Function (a)</u>	<u>FSAR Figure</u>	<u>Applicable BOP EQDP</u>
HV-2138	NSCW	(1)	9.2.1-1	X5AC01
HV-1807	NSCW	(1)	9.2.1-1	X5AC01
HV-1809	NSCW	(1)	9.2.1-1	X5AC01
HV-1823	NSCW	(1)	9.2.1-1	X5AC01
HV-1831	NSCW	(1)	9.2.1-1	X5AC01
HV-2135	NSCW	(1)	9.2.1-1	X5AC01
HV-2139	NSCW	(1)	9.2.1-1	X5AC01
HV-1975	ACCW	(1)	9.2.8-1	X5AC01
HV-1979	ACCW	(1)	9.2.8-1	X5AC01
HV-1974	ACCW	(1)	9.2.8-1	X5AC01
HV-1978	ACCW	(1)	9.2.8-1	X5AC01
HV-19051	ACCW	(4)	9.2.8-1	X4AR01
HV-19053	ACCW	(4)	9.2.8-1	X4AR01
HV-19055	ACCW	(4)	9.2.8-1	X4AR01
HV-19057	ACCW	(4)	9.2.8-1	X4AR01
113	ACCW	(1)	9.2.8-1	X4AR00
084	ACCW	(4)	9.2.8-1	X4AR01
085	ACCW	(4)	9.2.8-1	X4AR01
086	ACCW	(4)	9.2.8-1	X4AR01
087	ACCW	(4)	9.2.8-1	X4AR01
HV-3502	Normal Sampling	(1)	9.3.2-1	X5AC01
HV-3507	Normal Sampling	(1)	9.3.2-1	X5AC01
HV-3508	Normal Sampling	(1)	9.3.2-1	X5AC01
HV-3513	Normal Sampling	(1)	9.3.2-1	X5AC01
HV-3514	Normal Sampling	(1)	9.3.2-1	X5AC01
HV-3548	Normal Sampling	(1)	9.3.2-1	X5AC01
HV-780	Drains	(1)	9.3.3-2	X4AR01
HV-781	Drains	(1)	9.3.3-2	X4AR01
HV-8208	PASS	(1)	9.3.2-4	X5AC07
HV-8209	PASS	(1)	9.3.2-4	X5AC07
HV-8211	PASS	(1)	9.3.2-4	X5AC07
HV-8212	PASS	(1)	9.3.2-4	X5AC07
HV-3220	PASS	(1)	9.3.2-1	X5AC07
HV-6721	PASS	(4)	9.4.6-2	X5AC07
HV-8936A	PASS	(1)	5.4.7-1	X5AC07
HV-8986B	PASS	(1)	5.4.7-1	X5AC07
HV-9453	Main Steam	(1)	10.3.2-1	X5AC07
HV-9454	Main Steam	(1)	10.3.2-1	X5AC07
HV-5280	Main Steam	(1)	10.3.2-1	X5AC01
HV-5281	Main Steam	(1)	10.3.2-1	X5AC01
HV-15212C	Main Steam	(4)	10.3.2-1	X5AC01
HV-15212D	Main Steam	(4)	10.3.2-1	X5AC01
029	Main Steam	(1)	10.3.2-1	X4AR00
031	Main Steam	(1)	10.3.2-1	X4AR00
HV-3006A/B	Main Steam	(1)	10.3.2-1	X4AR17
HV-3016A/B	Main Steam	(1)	10.3.2-1	X4AR17
HV-3026A/B	Main Steam	(1)	10.3.2-1	X4AR17

TABLE 2  
(Sheet 3 of 5)

BOP ACTIVE VALVES

<u>Valve No.</u>	<u>System</u>	<u>Active Function</u> <sup>(a)</sup>	<u>FSAR Figure</u>	<u>Applicable BOP EQDP</u>
HV-3036A/B	Main Steam	(1)	10.3.2-1	X4AR17
HV-3009	Main Steam	(2)	10.3.2-1	X4AR01
HV-3019	Main Steam	(2)	10.3.2-1	X4AR01
HV-3000	Main Steam	(3)	10.3.2-1	X5AC13
HV-3010	Main Steam	(3)	10.3.2-1	X5AC13
HV-3020	Main Steam	(3)	10.3.2-1	X5AC13
HV-3030	Main Steam	(3)	10.3.2-1	X5AC13
006	Main Steam	(2)	10.3.2-1	X4AR01
008	Main Steam	(2)	10.3.2-1	X4AR01
PSV-3001	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3002	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3003	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3004	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3005	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3011	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3012	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3013	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3014	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3015	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3021	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3022	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3023	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3024	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3025	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3031	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3032	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3033	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3034	Main Steam	(3)	10.3.2-1	X5AC05
PSV-3035	Main Steam	(3)	10.3.2-1	X5AC05
HV-9451	Main Steam	(1)	10.3.2-1	X5AC07
HV-9452	Main Steam	(1)	10.3.2-1	X5AC07
HV-5278	Main Steam	(1)	10.3.2-1	X5AC07
HV-5279	Main Steam	(1)	10.3.2-1	X5AC07
HV-15212A	Main Steam	(4)	10.3.2-1	X5AC07
HV-15212B	Main Steam	(4)	10.3.2-1	X5AC07
043	Main Steam	(1)	10.3.2-1	X4AR00
044	Main Steam	(1)	10.3.2-1	X4AR00
HV-5113	AFW	(2)(3)	10.4.9-1	X5AC03
HV-5118	AFW	(2)(3)	10.4.9-1	X5AC03
HV-5119	AFW	(1)(2)(3)	10.4.9-1	X5AC03
HV-5120	AFW	(1)(2)(3)	10.4.9-1	X5AC01
HV-5122	AFW	(1)(2)(3)	10.4.9-1	X5AC01
HV-5125	AFW	(1)(2)(3)	10.4.9-1	X5AC01
HV-5127	AFW	(1)(2)(3)	10.4.9-1	X5AC01
HV-5132	AFW	(1)(2)(3)	10.4.9-1	X5AC01
HV-5134	AFW	(1)(2)(3)	10.4.9-1	X5AC01
HV-5137	AFW	(1)(2)(3)	10.4.9-1	X5AC01

TABLE 2  
(Sheet 4 of 5)

BOP ACTIVE VALVES

<u>Valve No.</u>	<u>System</u>	<u>Active Function<sup>(a)</sup></u>	<u>FSAR Figure</u>	<u>Applicable BOP EQDP</u>
HV-5139	AFW	(1)(2)(3)	10.4.9-1	X5AC01
HV-5154	AFW	(2)	10.4.9-1	X5AC01
HV-5155	AFW	(2)	10.4.9-1	X5AC01
013	AFW	(2)(3)	10.4.9-1	X4AR01
014	AFW	(2)(3)	10.4.9-1	X4AR01
001	AFW	(2)(3)	10.4.9-1	X4AR01
002	AFW	(2)(3)	10.4.9-1	X4AR01
017	AFW	(2)(3)	10.4.9-1	X4AR01
020	AFW	(2)(3)	10.4.9-1	X4AR01
023	AFW	(2)(3)	10.4.9-1	X4AR01
026	AFW	(2)(3)	10.4.9-1	X4AR01
033	AFW	(2)(3)	10.4.9-1	X4AR01
037	AFW	(2)(3)	10.4.9-1	X4AR01
040	AFW	(2)(3)	10.4.9-1	X4AR01
043	AFW	(2)(3)	10.4.9-1	X4AR01
046	AFW	(2)(3)	10.4.9-1	X4AR01
051	AFW	(2)(3)	10.4.9-1	X4AR01
052	AFW	(2)(3)	10.4.9-1	X4AR01
058	AFW	(2)(3)	10.4.9-1	X4AR01
HV-5106	AFW	(2)(3)	10.4.9-1	X4AR01
PV-15129	AFW	(2)(3)	10.4.9-1	X4AF01
SV-15133	AFW	(2)(3)	10.4.9-1	X4AF01
FV-510	Feedwater	(4)	10.4.1-1	Later
FV-520	Feedwater	(4)	10.4.1-1	Later
FV-530	Feedwater	(4)	10.4.1-1	Later
FV-540	Feedwater	(4)	10.4.1-1	Later
LV-5242	Feedwater	(4)	10.4.1-1	X5AC01
LV-5243	Feedwater	(4)	10.4.1-1	X5AC01
LV-5244	Feedwater	(4)	10.4.1-1	X5AC01
LV-5245	Feedwater	(4)	10.4.1-1	X5AC01
HV-5227	Feedwater	(1)	10.4.1-1	X4AR19
HV-5228	Feedwater	(1)	10.4.1-1	X4AR19
HV-5229	Feedwater	(1)	10.4.1-1	X4AR19
HV-5230	Feedwater	(1)	10.4.1-1	X4AR19
071	Feedwater	(1)	10.4.1-1	X4AR01
073	Feedwater	(1)	10.4.1-1	X4AR01
075	Feedwater	(1)	10.4.1-1	X4AR01
077	Feedwater	(1)	10.4.1-1	X4AR01
113	AFW	(1)(2)(3)	10.4.1-1	X4AR01
114	AFW	(1)(2)(3)	10.4.1-1	X4AR01
115	AFW	(1)(2)(3)	10.4.1-1	X4AR01
116	AFW	(1)(2)(3)	10.4.1-1	X4AR01
117	Feedwater	(1)	10.4.1-1	X4AR01
118	Feedwater	(1)	10.4.1-1	X4AR01
119	Feedwater	(1)	10.4.1-1	X4AR01
120	Feedwater	(1)	10.4.1-1	X4AR01
121	AFW	(1)(2)(3)	10.4.1-1	X4AR01

TABLE 2  
(Sheet 5 of 5)

BOP ACTIVE VALVES

<u>Valve No.</u>	<u>System</u>	<u>Active Function<sup>(a)</sup></u>	<u>FSAR Figure</u>	<u>Applicable BOP EQDP</u>
122	AFW	(1)(2)(3)	10.4.1-1	X4AR01
123	AFW	(1)(2)(3)	10.4.1-1	X4AR01
124	AFW	(1)(2)(3)	10.3.1-1	X4AR01
125	AFW	(1)(2)(3)	10.4.1-1	X4AR01
126	AFW	(1)(2)(3)	10.4.1-1	X4AR01
127	AFW	(1)(2)(3)	10.4.1-1	X4AR01
128	AFW	(1)(2)(3)	10.4.1-1	X4AR01
133	Feedwater	(1)	10.4.1-1	X4AR00
134	Feedwater	(1)	10.4.1-1	X4AR00
135	Feedwater	(1)	10.4.1-1	X4AR00
136	Feedwater	(1)	10.4.1-1	X4AR00
HV-15196	Feedwater	(1)	10.4.1-1	X4AR01
HV-15197	Feedwater	(1)	10.4.1-1	X4AR01
HV-15198	Feedwater	(1)	10.4.1-1	X4AR01
HV-15199	Feedwater	(1)	10.4.1-1	X4AR01
044	Diesel Generator	(4)	9.5.4-1	X4AR00
047	Diesel Generator	(4)	9.5.4-1	X4AR00
050	Diesel Generator	(4)	9.5.4-1	X4AR00
053	Diesel Generator	(4)	9.5.4-1	X4AR00
HV-27091	Fire Protection	(1)	9.5.1-1	X4AR01
036	Fire Protection	(1)	9.5.1-1	X4AR01
HV-19722	Waste Evaporator	(4)	-	X4AR01
	Steam Supply			
HV-19723	Waste Evaporator	(4)	-	X4AR01
	Steam Supply			
HV-9385	Service Air	(1)	9.3.1-1	X4AR01
034	Service Air	(1)	9.3.1-1	X4AR01
185	Service Air	(1)	9.3.1-1	X4AR00
HV-9378	Instrument Air	(1)	9.3.1-1	X5AC01
049	Instrument Air	(1)	9.3.1-1	X4AR00
038	Demineralized Wtr.	(1)	9.2.3-1	X4AR00
TV-12124	ESF Chilled Water	(4)	-	X5AC01
TV-12740	ESF Chilled Water	(4)	-	X5AC01
TV-12125	ESF Chilled Water	(4)	-	X5AC01
TV-12725	ESF Chilled Water	(4)	-	X5AC01

<sup>a</sup>Active Function:

- (1) Containment isolation
- (2) Emergency Cooling Operation
- (3) Safety-Grade Cold Shutdown
- (4) Miscellaneous Safety-Related Operations



ATTACHMENT 2

SER ITEM 26g

GENERIC TESTING CRITERIA FOR QUALIFYING CHECK VALVES

Individual check valve drawings and bills of material were reviewed to identify all age-sensitive parts and their materials. The parts were then evaluated as to their criticality within the check valves. After identifying the critical parts, the check valve location was reviewed for environmental conditions.

Results of the review indicate there are no BOP active check valves with age sensitive parts located in a harsh environment. However, there are approximately fifty NSSS check valves located in a harsh environment and qualified to 40 years plus one year post-accident.

## SER ITEM 26h

## ADMINISTRATIVE CONTROL OF COMPONENT QUALIFICATION



### Equipment Qualification Document Submittal Flow Chart