PRAIRIE ISLAND NUCLEAR GENERATING PLANT

ASME CODE SECTION XI

INSERVICE INSPECTION AND TESTING PROGRAM

SECOND TEN YEAR INSPECTION INTERVAL
DECEMBER 16, 1983 - DECEMBER 16, 1993

Inservice Inspection and Approval

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Reviewed by: J L Ricker 7/31/90
Supt. Matl & Spec Proc Date

Inservice Testing Review and Approval

Prepared by: Dwayne W Carlson 5-11-92

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Date

Approved by: Steve Kelley 5/11/92
Manager Operations & Maintenance Support Date

Revision 3
5/8/92

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PRAIRIE ISLAND NUCLEAR GENERATING PLANT
RECORD OF INSERVICE INSPECTION AND TESTING PROGRAM REVISIONS

PI ISI/IST 2nd 10 YR PROGRAM

Revision (Rev) No.	Date of Issue	Remarks
0	10/14/83	2nd Ten Year Update to ASME Code Requirements
1	7/13/87	Revision to 2nd Ten Year Program Revision to Requests for Relief Addition of Requests for Relief
2	7/31/90	Withdraw Request for Relief Revise Request for Relief
3	5/8/92	IST Table Updates; Revision to Relief Request No. 4 (6/27/91 letter); Withdraw Relief Request No. 66 (12/30/91 letter); Add Relief Request No. 70 (3/2/92 letter)

ASME CODE PUMPS

PUMP DESCRIPTION	FLOW DIAGRAM	CLASS DWG	TEST PROC	TEST PARAMETER							TEST FREQ	REQUEST FOR RELIEF
				Pi	Vv	Q	Pd	N	Tb	L		
11 Safety Injection	X-H-1-45	9	SP-1088	X	X		X				Q	#1, #2
12 Safety Injection	X-H-1-45	9	SP-1088	X	X		X				Q	#1, #2
12 Diesel Cooling Water	NF-39216	14	SP-1106a		X	X	X	X			Q	#1, #2, #3, #23-#26, #40
22 Diesel Cooling Water	NF-39216	14	SP-1106b		X	X	X	X			Q	#1, #2, #3, #23-#26, #40
121 DCWP Fuel Oil Transfer	NF-39232	17	SP-1106a SP-1235e								Q Y	#4
122 DCWP Fuel Oil Transfer	NF-39232	17	SP-1106b SP-1235f								Q Y	#4
11 Turbine Aux Feedwater	NF-39222	16	SP-1102 SP-1103 SP-1330	X X	X X	 X	X X		 X		Q Y Y	#2, #33
12 Motor Aux Feedwater	NF-39222	16	SP-1100 SP-1101 SP-1329	X X	X X	 X	X X		 X		Q Y Y	#2, #33
121 DG Fuel Oil Transfer	NF-39232	17	SP-1093/1295 SP-1235a								Q Y	#4
122 DG Fuel Oil Transfer	NF-39232	17	SP-1093/1295 SP-1235b								Q Y	#4
123 DG Fuel Oil Transfer	NF-39232	17	SP-1093/1295 SP-1235c								Q Y	#4
124 DG Fuel Oil Transfer	NF-39232	17	SP-1093/1295 SP-1235d								Q Y	#4
11 Containment Spray	NF-39237	19	SP-1090	X	X		X				Q	#1, #2
12 Containment Spray	NF-39237	19	SP-1090	X	X		X				Q	#1, #2

ASME CODE PUMPS

PUMP DESCRIPTION	FLOW DIAGRAM	CLASS OWG	TEST PROC	TEST PARAMETER							TEST FREQ	REQUEST FOR RELIEF
				Pi	Vv	Q	Pd	N	Tb	L		
11 Component Cooling	NF-39245	23	SP-1155	X	X	X	X				Q	#1, #2, #3
12 Component Cooling	NF-39245	23	SP-1155	X	X	X	X				Q	#1, #2, #3
121 Cntrl Rm Chill Water	NF-39603-3	28	SP-1161	X	X		X				Q	#1, #2
122 Cntrl Rm Chill Water	NF-39603-3	28	SP-1161	X	X		X				Q	#1, #2
11 Residual Heat Removal	X-H-1-31	3	SP-1089	X	X		X				Q	#1, #2
12 Residual Heat Removal	H-H-1-31	3	SP-1089	X	X		X				Q	#1, #2

ASME Section XI Valve Testing Program - Unit No. 1 and Common Components

ASME Code Edition and Addenda: 1980 Edition through and including Winter 1981 Addenda

Program Period: December 16, 1983 to December 16, 1993

NOTES:

1. The following sheets identify the unit 1 and common system valves that are subject to the testing requirements of Section XI, Subsection IWV. Valves in Code Class 1, 2, and 3 systems have been categorized in accordance with IWV-2220, subject to the exclusions of IWV-1200, using the following criteria.

   a) The program has been limited to those Code Class 1, 2, and 3 valves that must function to prevent the occurence of or mitigate the consequences of an analyzed accident contained in the FSAR.

   b) Containment isolation valves are considered category A valves and are leak tested in accordance with the plant Technical Specification. Category A valves are exercised in accordance with IWV-3410, except where relief is requested. Containment isolation valves which are appendages of the containment vessel and are not connected to any other Code Class 1, 2, or 3 piping systems are not shown on the code class drawings.

2. LEGEND:

   Test Type:

   E = exercise
   SP = relief valve setpoint verification
   L = valve lineup check
   LT = leak test
   I = inspection

   Test Frequency:

   D = daily
   M = monthly
   Q = quarterly
   R = refueling
   Y = yearly
   S = startup
   2W = every other week
   2M = every other month
   CU = core unload
   * = 5 years

3. Inservice valve testing at cold shutdown is defined as: Valve testing should commence not later than 48 hours after shutdown and continue until complete or plant is ready to return to power. Completion of all valve testing is not a prerequisite to return to power. Any testing not completed at one cold shutdown should be performed during the subsequent cold shutdowns to meet the code specified testing frequency.

4. Containment Inservice Purge Supply and Exhaust Valves are normally blind flange out-of-service during operation. In event that valves are required for containment integrity they will be exercised and leakrate tested prior to being placed inservice.

5. For all control and motor valve exercise (stroke timing) tests, the base stroke time from which the 25% and 50% allowable time increase is figured will be a time established by one of the following methods:

   a) Original preoperational testing.
   b) Post maintenance testing.
   c) The first running of the test.

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
AF	NF-39222	CV-31153	16	11 TD AFWP RECIRC/LUBE OIL CLG CV	B	SP-1102	E	Q	#9
AF	NF-39222	CV-31154	16	12 MD AFWP RECIRC/LUBE OIL CLG CV	B	SP-1100	E	Q	#9
AF	NF-39222	AF-29-1	16	11 TD AFWD SUCT RELIEF	C	SP-1154(6)	SP	5Y	
AF	NF-39222	AF-29-2	16	12 MD AFWD SUCT RELIEF	C	SP-1154(6)	SP	5Y	
AF	NF-39222	AF-16-1	16	AUX FW TO 11 STM GEN CHECK	C	SP-1103	E	Y	#5
AF	NF-39222	AF-16-2	16	AUX FW TO 12 STM GEN CHECK	C	SP-1103	E	Y	#5
AF	NF-39222	AF-15-1	16	AUX FW TO 11 STM GEN CHECK	C	SP-1103	E	Y	#5
AF	NF-39222	AF-15-2	16	AUX FW TO 12 STM GEN CHECK	C	SP-1103	E	Y	#5
AF	NF-39222	AF-15-3	16	AUX FW TO 11 STM GEN CHECK	C	SP-1103	E	Y	#5
AF	NF-39222	AF-15-4	16	AUX FW TO 12 STM GEN CHECK	C	SP-1103	E	Y	#5
AF	NF-39222	AF-15-9	16	11 TD AFWP DISCHARGE CHECK	C	SP-1102	E	Q	#5

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
AF	NF-39222	AF-14-1	16	11 TD AFWP SUCTION CHECK	C	- - - -	- -	- -	#27
AF	NF-39222	AF-15-10	16	12 TD AFWP DISCHARGE CHECK	C	SP-1100	E	Q	#5
AF	NF-39222	AF-14-3	16	12 MD AFWP SUCTION CHECK	C	- - - -	- -	- -	#27
AF	NF-39222	MV-32333	16	CD TO 11 TD AFWP	B	SP-1102	E	Q	
AF	NF-39222	MV-32335	16	CD TO 12 MD AFWP	B	SP-1100	E	Q	
AF	NF-39222	MV-32238	16	AFW from 11 AFWP to 11 S/G	B	SP-1102	E	Q	
AF	NF-39222	MV-32239	16	AFW from 11 AFWP to 12 S/G	B	SP-1102	E	Q	
AF	NF-39222	MV-32381	16	AFW from 12 AFWP to 11 S/G	B	SP-1100	E	Q	
AF	NF-39222	MV-32382	16	AFW from 12 AFWP to 12 S/G	B	SP-1100	E	Q	
CA	NF-39252	CV-31941	18	11 CNTMT SPRAY PUMP SUCT FROM NaOH STANDPIPE ISOL	B	SP-1090	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CA	NF-39252	CV-31938	18	12 CNTMT SPRAY SUCT PUMP FROM NaOH STANDPIPE ISOL	B	SP-1090	E	Q	
CA	NF-39252	CA-11-1	18	NaOH ADD TO 11 & 12 CS PUMPS CHECK	C	PM-3118-3 SP-1153	I E	2 YR CS	#5
CC	NF-39245	CC-3-1	23	11 COMP COOL PUMP DISCHARGE CHECK	C	SP-1155	E	Q	
CC	NF-39245	CC-3-2	23	12 COMP COOL PUMP DISCHARGE CHECK	C	SP-1155	E	Q	
CC	NF-39245	CC-5-1	23	RETURN LINE TO 11 COMP COOL PUMP CHECK	C	Ops Man C14	E	CS	
CC	NF-39245	CC-5-2	23	RETURN LINE TO 12 COMP COOL PUMP CHECK	C	Ops Man C14	E	CS	
CC	NF-39245	CC-3-3	23	RETURN LINE TO 11 COMP COOL PUMP CHECK	C	- - - -	- -	- -	#27
CC	NF-39245	CC-3-4	23	RETURN LINE TO 12 COMP COOL PUMP CHECK	C	- - - -	- -	- -	#27
CC	NF-39245	MV-32200	23	11 COMP CLG PUMP SUCTION MAKEUP WATER	B	SP-1155	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CC	NF-39245	MV-32201	23	12 COMP CLG PMP SUCTION MAKEUP WATER	B	SP-1155	E	Q	
CC	NF-39245	CC-1-11	23	11 & 12 COMP COOLING PMP SUCT X-CONNECT	B	SP-1155	E	Q	
CC	NF-39245	CC-1-12	23	11 & 12 COMP COOLING PUMP SUCT X-CONNECT	B	SP-1155	E	Q	
CC	NF-39245	CC-1-13	23	11 & 12 COMP COOLING PUMP DISCH X-CONNECT	B	SP-1155	E	Q	
CC	NF-39245	CC-1-14	23	11 & 12 COMP COOLING PUMP DISCH X-CONNECT	B	SP-1155	E	Q	
CC	NF-39245	MV-32115	23	122 SPENT FUEL PIT HT EXCH INLET HEADER A	B	SP-1155	E	Q	
CC	NF-39245	MV-32121	23	12 COMP CLG HT EXCH OUTLET	B	SP-1163	E	R	#21
CC	NF-39245	MV-32267	23	11/12 RCP COMP CLG INLET ISOL B	B	SP-1163	E	R	#21
CC	NF-39245	MV-32266	23	11/12 RCP COMP CLG INLET ISOL A	B	SP-1163	E	R	#21
CC	NF-39245	MV-32120	23	11 COMP C' HT EXCH OUTLET	B	SP-1163	E	R	#21

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CC	NF-39245	MV-32094	23	12 RESIDUAL HT EXCH COMP CLNT INLET	B	SP-1155	E	Q	
CC	NF-39245	MV-32093	23	11 RESIDUAL HT EXCH COMP CLNT INLET	B	SP-1155	E	Q	
CL	NF-39216	SV-33133	14	CLG WTR TO 121 SFGRDS TRAVELING SCREENS	B	SP-1151	E	Q	#9, #16
CL	NF-39216	SV-33134	14	CLG WTR TO 122 SFGRDS TRAVELING SCREENS	B	SP-1151	E	Q	#9, #16
CL	NF-39216	CV-31457	14	22 DD CLWP DSL JCKT CLR OUTLET	B	SP-1106b	E	Q	#9
CL	NF-39216	CV-31423	14	12 DD CLWP DSL JCKT CLR OUTLET	B	SP-1106a	E	Q	#9
CL	NF-39216	MV-32036	14	121 CLWP DISCH HDR C	B	SP-1158	E	Q	
CL	NF-39216	MV-32037	14	121 CLWP DISCH HDR D	B	SP-1158	E	Q	
CL	NF-39216	MV-32031	14	1 TURB BLDG CLG WATER HEADER ISOL	B	SP-1110	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CL	NF-39216	MV-32033	14	2 TURB BLDG CLG WATER HEADER ISOL	B	SP-1110	E	Q	
CL	NF-39216	CL-42-1	14	LOOP A COOLING HEADER TURB BLDG CHECK VALVE	C	—	-	-	#27
CL	NF-39216	2CL-42-1	14	LOOP B COOLING HEADER TURB BLDG CHECK VALVE	C	—	-	-	#27
CL	NF-39216	CL-43-3	14	121 COOLING WATER PUMP DISCHARGE CHECK	C	SP-1240	E	Q	
CL	NF-39216	CL-43-1	14	11 COOLING WATER PUMP DISCHARGE CHECK	C	SP-1106a	E	Q	
CL	NF-39216	2CL-43-2	14	21 COOLING WATER PUMP DISCHARGE CHECK	C	SP-1106b	E	Q	
CL	NF-39216	CL-43-2	14	12 COOLING WATER PUMP DISCHARGE CHECK	C	SP-1106a	E	Q	
CL	NF-39216	MV-32030	14	CLG WATER TO 22 AFWP ISOL	B	SP-2193	E	CS	#61
CL	NF-39216	MV-32027	14	CLG WATER TO 12 AFWP ISOL	B	SP-1193	E	CS	#61

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CL	NF-39216	MV-32026	14	CLG WATER TO 21 AFWP ISOL	B	SP-2193	E	CS	#61
CL	NF-39216	MV-32025	14	CLG WATER TO 11 AFWP ISOL	B	SP-1193	E	CS	#61
CL	NF-39216	MV-32159	14	LOOP A/B CLG WATER HDR X-OVER B ISOL	B	SP-1158	E	Q	
CL	NF-39216	MV-32144	14	LOOP A/B CLG WATER HDR X-OVER A ISOL	B	SP-1158	E	Q	
CL	NF-39216	2CL-43-1	14	22 COOLING WATER PUMP DISCHARGE CHECK	C	SP-1106b	E	Q	
CL	NF-39216	CW-18-4	14	D1 DIESEL GEN COOLING WATER SUPPLY CHECK	C	PM-3108-3 SP-1093	I E	5YR Q	#5
CL	NF-39216	CW-18-1	14	D2 DIESEL GEN COOLING WATER SUPPLY CHECK	C	PM-3108-4 SP-1093	I E	5YR Q	#5
CL	NF-39216	MV-32145	14	11 COMP CLG HT EXCH COOLING WATER ISOL	B	SP-1155	E	Q	
CL	NF-39216	MV-32146	14	12 COMP CLG HT EXCH COOLING WATER ISOL	B	SP-1155	E	Q	
CL	NF-39216	MV-32038	14	CLG WTR EMERG DUMP	B	SP-1158	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CL	NF-39216	MV-32222	14	11 AUX BLDG CLG WTR RETURN HEADER ISOL	B	SP-1158	E	Q	
CL	NF-39216-3	MV-32377	14	11 FAN COIL WTR SUPPLY ISOL	B	SP-1158	E	Q	
CL	NF-39216-3	MV-32379	14	12 FAN COIL WTR SUPPLY ISOL	B	SP-1158	E	Q	
CL	NF-39216-3	MV-32378	14	13 FAN COIL WTR SUPPLY ISOL	B	SP-1158	E	Q	
CL	NF-39216-3	MV-32380	14	14 FAN COIL WTR SUPPLY ISOL	B	SP-1158	E	Q	
CL	NF-39216-4	MV-32132	14	11 FAN COIL WTR RETURN ISOL A	B	SP-1158	E	Q	
CL	NF-39216-4	MV-32135	14	12 FAN COIL WTR RETURN ISOL A	B	SP-1158	E	Q	
CL	NF-39216-4	MV-32138	14	13 FAN COIL WTR RETURN ISOL A	B	SP-1158	E	Q	
CL	NF-39216-4	MV-32141	14	14 FAN COIL WTR RETURN ISOL A	B	SP-1158	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CL	NF-39216	MV-32133	14	11 FAN COIL WTR RETURN ISOL B	B	SP-1158	E	Q	
CL	NF-39216	MV-32139	14	13 FAN COIL WTR RETURN ISOL B	B	SP-1158	E	Q	
CL	NF-39216	MV-32136	14	12 FAN COIL WTR RETURN ISOL B	B	SP-1158	E	Q	
CL	NF-39216	MV-32142	14	14 FAN COIL WTR RETURN ISOL B	B	SP-1158	E	Q	
CL	NF-39216	CV-39201	14	11/13 FCU Clg Wtr Rtn Orifice B-P Valve	B	SP-1158	E	Q	
CL	NF-39216	CV-39203	14	12/14 FCU Clg Wtr Rtn Orifice B-P Valve	B	SP-1158	E	Q	
CL	NF-39232	SA-56-1	17	12 DD CLWP START AIR RELIEF	C	PM-3002-2-12	SP	5Y	
CL	NF-39232	SA-56-2	17	12 DD CLWP START AIR RELIEF	C	PM-3002-2-12	SP	5Y	
CL	NF-39232	SA-56-3	17	22 DD CLWP START AIR RELIEF	C	PM-3002-2-22	SP	5Y	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CL	NF-39232	SA-56-4	17	22 DD CLWP START AIR RELIEF	C	PM-3002-2-22	SP	5Y	
CL	NF-39232	SV-33464	17	12 DD CLG WTR PUMP AIR MTR A (RIGHT SIDE)	B	SP-1106a	E	Q	#9, #16
CL	NF-39232	SV-33465	17	12 DD CLG WTR PUMP AIR MTR B (LEFT SIDE)	B	SP-1106a	E	Q	#9, #16
CL	NF-39232	SV-33466	17	22 DD CLG WTR PUMP AIR MTR A (RIGHT SIDE)	B	SP-1106b	E	Q	#9, #16
CL	NF-39232	SV-33467	17	22 DD CLG WTR PUMP AIR MTR B (LEFT SIDE)	B	SP-1106b	E	Q	#9, #16
CL	NF-39232	DCWP SA ACCUM RELIEF (4)	17	DCWP START AIR ACCUM RELIEF (4)	C	PM-3002-2-12/22	SP	5Y	
CL	NF-39232	DCWP SA ACCUM CK VALVE (8)	17	DCWP START AIR ACCUM CK VALVE (8)	C	SP-1151	E	Q	
CL	NF-39232	DCWP SA ACCUM CK VALVE (2)	17	DCWP START AIR ACCUM CK VALVE (2)	C	SP-1151	E	Q	
CL	NF-39232	DCWP FO XFR PMP CKS (2)	17	DCWP FO XFR PMP CK VLV (2)	C	SP-1106a SP-1106b	E	Q	#5

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CS	NF-39237	MV-32098	19	11 CNTMT SPRAY PUMP SUCT FROM RWST	B	SP-1137	E	R	#8
CS	NF-39237	MV-32099	19	12 CNTMT SPRAY PUMP SUCT FROM RWST	B	SP-1137	E	R	#8
CS	NF-39237	MV-32096	19	11 CNTMT SPRAY PUMP SUCT FROM RHR HT EXCH	B	C1.2 SP-1137	L E	S R	#8
CS	NF-39237	MV-32097	19	12 CNTMT SPRAY PUMP SUCT FROM RHR HT EXCH	B	C1.2 SP-1137	L E	S R	#8
CS	NF-39237	CS-22-1	19	11 CNTMT SPRAY PUMP SUCT RELIEF	C	SP-1154-2(11)	SP	5Y	
CS	NF-39237	CS-22-2	19	12 CNTMT SPRAY PUMP SUCT RELIEF	C	SP-1154-2(12)	SP	5Y	
CS	NF-39237	CS-18	19	11 CNTMT SPRAY PUMP DISCH CHECK	C A	PM-3118-4-11 SP-1287 SP-1072-29B	I LT	5Y CS R	#5, #57a
CS	NF-39237	CS-19	19	12 CNTMT SPRAY PUMP DISCH CHECK	C A	PM-3118-4-12 SP-1287 SP-1072-29A	I LT	5Y CS R	#5, #57a
CS	NF-39237	MV-32103	19	11 CNTMT SPRAY PUMP DISCH	A	SP-1241/1137 SP-1072-29B	E LT	CS R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CS	NF-39237	MV-32105	19	12 CNTMT SPRAY PUMP DISCH	A	SP-1241/1137 SP-1072-29A	E LT	CS R	#57a
FO	NF-39232	CV-31954	17	D1 DSL GEN AIR START A	B	SP-1093 PM-3001-2	E	Q	#9
FO	NF-39232	CV-31955	17	D1 DSL GEN AIR START B	B	SP-1093 PM-3001-2	E	Q	#9
FO	NF-39232	CV-31956	17	D2 DSL GEN AIR START A	B	SP-2093 PM-3001-2	E	Q	#9
FO	NF-39232	CV-31957	17	D2 DSL GEN AIR START B	B	SP-2093 PM-3001-2	E	Q	#9
FO	NF-39232	DG FO XFR PMP CKS (4)	17	DG FO XFR PMP CK VLV VLV (4)	C	SP-1093 SP-2093	E	Q	#5
FO	NF-39232	DG SA ACCUM RELIEF (4)	17	DG START AIR ACCUM RELIEF (4)	C	PM P-3001-2	SP	5Y	
FW	NF-39222	F-8-1	16	FW TO 11 STM GEN CHECK	C	—	E	—	#27
FW	NF-39222	F-8-2	16	FW TO 12 STM GEN CHECK	C	—	E	—	#27

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
HC	NF-39251	HC-1-3	25	INST AIR SUPPLY TO CNTMT VESSEL	B	SP-1157	E	CS	
HC	NF-39251	HC-1-4	25	EMERGENCY AIR SUPPLY TO CNTMT VESSEL	B	SP-1157	E	CS	
HC	NF-39251	HC-1-5	25	INST AIR SUPPLY TO CNTMT VESSEL	B	SP-1157	E	CS	
HC	NF-39251	HC-1-6	25	EMERGENCY AIR SUPPLY CNTMT VESSEL	B	SP-1157	E	CS	
HC	NF-39251	SV-33990	25	11 POST LOCA H2 CNTMT VENT	B	SP-1157	E	CS	#9
HC	NF-39251	SV-33991	25	12 POST LOCA H2 CNTMT VENT	B	SP-1157	E	CS	#9
HC	NF-39251	HC-2-1	25	INST & EMERG AIR TO INSIDE CNTMT VESSEL CK	A	SP-1157 SP-1072-50	E LT	CS R	#57a
HC	NF-39251	HC-2-2	25	INST & EMERG AIR TO INSIDE CNTMT VESSEL CK	A	SP-1157 SP-1072-42A	E LT	CS R	#57a
HC	NF-39251	MV-32271	25	POST LOCA VENT ISOL	A	SP-1252 SP-1072-5U	E LT	Q R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
HC	NF-39251	MV-32274	25	POST LOCA SUPPLY ISOL	A	SP-1252 SP-1072-50	E LT	Q R	#57a
HC	NF-39251	MV-32273	25	POST LOCA VENT ISOL	A	SP-1252 SP-1072-42A	E LT	Q R	#57a
HC	NF-39251	MV-32276	25	POST LOCA SUPPLY ISOL	A	SP-1252 SP-1072-42A	E LT	Q R	#57a
HC	NF-39251	CV-31925	25	POST LOCA TO GA ISOL	A	SP-1252 SP-1072-50	E LT	Q R	#57a
HC	NF-39251	CV-31923	25	POST LOCA FI ISOL	A	SP-1252 SP-1072-50	E LT	Q R	#57a
HC	NF-39251	CV-31927	25	POST LOCA TO GA ISOL	A	SP-1252 SP-1072-42A	E LT	Q R	#57a
HC	NF-39251	CV-31929	25	POST LOCA TO FI ISOL	A	SP-1252 SP-1072-42A	E LT	Q R	#57a
MS	NF-39218	CV-31099	15	12 LOOP B MN STM HDR ISOL	B	SP-1099	E	CS	
MS	NF-39218	CV-31098	15	11 LOOP A MN STM HDR ISOL	B	SP-1099	E	CS	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
MS	NF-39218	CV-31998	15	11 TD AFWP MN STM SUPPLY	B	SP-1102	E	Q	
MS	NF-39218	RS-21-1	15	11 STM GEN SAFETY VLV	C	SP-1154(8)	SP	5Y	
MS	NF-39218	RS-21-2	15	11 STM GEN SAFETY VLV	C	SP-1154(8)	SP	5Y	
MS	NF-39218	RS-21-3	15	11 STM GEN SAFETY VLV	C	SP-1154(8)	SP	5Y	
MS	NF-39218	RS-21-4	15	11 STM GEN SAFETY VLV	C	SP-1154(8)	SP	5Y	
MS	NF-39218	RS-21-5	15	11 STM GEN SAFETY VLV	C	SP-1154(8)	SP	5Y	
MS	NF-39218	RS-21-6	15	12 STM GEN SAFETY VLV	C	SP-1154(8)	SP	5Y	
MS	NF-39218	RS-21-7	15	12 STM GEN SAFETY VLV	C	SP-1154(8)	SP	5Y	
MS	NF-39218	RS-21-8	15	12 STM GEN SAFETY VLV	C	SP-1154(8)	SP	5Y	
MS	NF-39218	RS-21-9	15	12 STM GEN SAFETY VLV	C	SP-1154(8)	SP	5Y	
MS	NF-39218	RS-21-10	15	12 STM GEN SAFETY VLV	C	SP-1154(8)	SP	5Y	
MS	NF-39218	RS-15-1	15	12 STM GEN TO 11 TD AUX FW PUMP CHECK	C	SP-1103	E	Y	#5

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
MS	NF-39218	RS-15-2	15	11 STM GEN TO 11 TD AUX FW PUMP CHECK	C	SP-1103	E	Y	#5
RC	X-H-1-7	RC-3-1	N/A	RTR MAKEUP WATER TO PRT	A	SP-1289 SP-1072-45	E LT	CS R	#57a
RC	X-H-1-7	RC-5-1	N/A	PRT N_2 SUPPLY ISOL	A	SP-1289 SP-1072-2	E LT	CS	#57a
RC	X-H-1-7	CV-31321	N/A	RTR MAKEUP WATER TO PRT ISOL	A	SP-1272 SP-1072-45	E LT	Q R	#57a
RC	X-H-1-7	CV-31221	N/A	PRT N_2 SUPPLY ISOL	A	SP-1272 SP-1072-2	E LT	Q R	#57a
RC	X-H-1-7	CV-31318	N/A	SAMPLE TO GA	A	SP-1246 SP-1072-1	E LT	CS	#57a
RC	X-H-1-7	CV-31319	N/A	PRT SAMPLE TO GA	A	SP-1246 SP-1072-1	E LT	CS R	#57a
RC	X-H-1-7	RC-10-1	2	PRESSURIZER RELIEF VALVE	C	SP-1154(f*)	SP	5Y	
RC	X-H-1-7	RC-10-2	2	PRESSURIZER RELIEF VALVE	C	SP-1154(9)	SP	5Y	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
RC	X-H-1-7	SV-37035	2	PRESSURIZER VENT VALVE A	B	SP-1248	E	R	#8, #16
RC	X-H-1-7	SV-37036	2	PRESSURIZER VENT VALVE B	B	SP-1248	E	R	#8, #16
RC	X-H-1-7	SV-37037	2	RTR HEAD VENT VALVE A	B	SP-1248	E	R	#8, #16
RC	X-H-1-7	SV-37038	2	RTR HEAD VENT VALVE B	B	SP-1248	E	R	#8, #16
RC	X-H-1-7	SV-37039	N/A	VENT TO PRT VALVE A	B	SP-1248	E	R	#8, #16
RC	X-H-1-7	SV-37040	N/A	VENT TO CNTMT ATMOSPHERE	B	SP-1248	E	R	#8, #16
RC	X-H-1-7	CV-31231		PRESSURIZER OUTLET TO PRZR REL TNK A	B	SP-1291	E	CS	
RC	X-H-1-7	CV-31232		PRESSURIZER OUTLET TO PRZR REL TNK B	B	SP-1291	E	CS	
RC	X-H-1-7	MV-32195		PRESSURIZER OUTLET TO PRZR REL TNK ISOL A	B	SP-1265	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
RC	X-H-1-7	MV-32196		PRESSURIZER OUTLET TO PRZR REL TNK ISOL B	B	SP-1265	E	Q	
RD	N/A	CV-31092	N/A	AIR SAMPLE TO RD CNTMT ISOL	A	SP-1244 SP-1072-22	E LT	Q R	#57a
RD	N/A	CV-31022	N/A	AIR SAMPLE TO RD CNTMT ISOL		SP-1244 SP-1072-22	E LT	Q R	#57a
RD	N/A	CV-31019	N/A	AIR SAMPLE FROM RD CNTMT ISOL	A	SP-1244 SP-1072-23	E LT	Q R	#57a
RD	N/A	CV-31750	N/A	AIR SAMPLE FROM RD CNTMT ISOL	A	SP-1244 SP-1072-23	E LT	Q R	#57a
RH	X-H-1-31	RH-8-1	3	RHR PUMP SUCTION RELIEF	C	SP-1154(S)	SP	CU	#13
RH	X-H-1-31	RH-3-3	3	12 RHR PUMP DISCH CK VLV	C	SP-1089 SP-1092A	E E	Q CS	#5
RH	X-H-1-31	RH-3-4	3	11 RHR PUMP DISCH CK VLV	C	SP-1089 SP-1092A	E E	Q CS	#5

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
RH	X-H-1-31	RH-6-1	3	2" LETDOWN LINE BP CK VLV	C	SP-1164	E	R	#14
RH	X-H-1-31	MV-32164	3	RH SUCT FROM LOOP A HL	A	SP-1273 SP-1070	E LT	CS R	#59
RH	X-H-1-31	MV-32165	3	RH SUCT FROM LOOP A HL	A	SP-1273 SP-1070	E LT	CS R	#59
RH	X-H-1-31	MV-32230	3	RH SUCT FROM LOOP B HL	A	SP-1273 SP-1070	E LT	CS R	#59
RH	X-H-1-31	MV-32231	3	RH SUCT FROM LOOP B HL	A	SP-1273 SP-1070	E LT	CS R	#59
RH	X-H-1-31	MV-32066	3	RH RETURN TO CL	A	SP-1167 SP-1070	E LT	CS R	#59
SA	NF-39244	CV-31740	N/A	1 CNTMT INST AIR ISOL VALVE A	A	SP-1072-20	E LT	R R	#57b, #57a
SA	NF-39244	CV-31741	N/A	1 CNTMT INST AIR ISOL VALVE B	A	SP-1072-20	E LT	R R	#57b, #57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SA	NF-39770	SA-100-1		PORV ACCUM CK	C A	SP-1291 SP-1298	E LT	CS R	
SA	NF-39770	SA-100-2		PORV ACCUM CK	C A	SP-1291 SP-1298	E LT	CS R	
SB	NF-88740	MV-32040	24	11 SG BLOWDOWN CNTMT ISOL VLV A	B	SP-1267	E	Q	
SB	NF-88740	MV-32044	24	11 SG BLOWDOWN CNTMT ISOL VLV B	B	SP-1267	E	Q	
SB	NF-88740	MV-32043	24	12 SG BLOWDOWN CNTMT ISOL VLV A	B	SP-1267	E	Q	
SB	NF-88740	MV-32058	24	12 SG BLOWDOWN CNTMT ISOL VLV B	B	SP-1267	E	Q	
SI	X-H-1-44	MV-32069	8	1 SAFETY INJ RTR VESSEL INJ ISOL A	B	SP-1236	E	CS	
SI	X-H-1-44	MV-32067	8	1 SAFETY INJ RTR VESSEL INJ ISOL B	B	SP-1236	E	CS	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SI	X-H-1-44	MV-32065	8	1 RTR VESSEL INJ FROM RH HT EXCH ISOL	B	SP-1167	E	CS	
SI	X-H-1-44	MV-32077	8	11 CNTMT SUMP B ISOL B-1	B	SP-1137	E	R	#8
SI	X-H-1-44	MV-32078	8	11 CNTMT SUMP B ISOL B-2	B	SP-1137	E	R	#8
SI	X-H-1-44	SI-25-1	8	11 ACCUMULATOR RELIEF	C	SP-1154(11)	SP	5Y	
SI	X-H-1-44	SI-25-2	8	12 ACCUMULATOR RELIEF	C	SP-1154(12)	SP	5Y	
SI	X-H-1-44	SI-26-1	8	RH HT EXCH TO RTR VESSEL RELIEF	C	SP-1154(3c)	SP	5Y	
SI	X-H-1-45	MV-32081	9	BORIC ACID SUPPLY TO SAFETY PUMPS ISOL VLV A	B	SP-1088	E	Q	
SI	X-H-1-45	MV-32082	9	BORIC ACID SUPPLY TO SAFETY INJ PUMPS ISOL VLV B	B	SP-1088	E	Q	
SI	X-H-1-45	MV-32079	9	RFLG WTR TO SAF INJ PMPS HDR ISOL VLV A	B	SP-1088	E	Q	
SI	X-H-1-45	MV-32080	9	RFLG WTR TO SAF INJ PMPS HDR ISOL VLV B	B	SP-1088	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SI	X-H-1-45	MV-32202	9	SAFETY INJ TEST TO 11 RWST VLV A	B	SP-1236	E	CS	
SI	X-H-1-45	MV-32203	9	SAFETY INJ TEST TO 11 RWST VLV B	B	SP-1236	E	CS	
SI	X-H-1-45	MV-32162	9	11 SAFETY INJ PUMP SUCT ISOL	B	SP-1236	E	CS	
SI	X-H-1-45	MV-32163	9	12 SAFETY INJ PUMP SUCT ISOL	B	SP-1236	E	CS	
SI	X-H-1-45	MV-32206	9	RH HT EXCHANGER TO 11 SAFETY INJ PUMP	B	SP-1137	E	R	#8
SI	X-H-1-45	MV-32207	9	RH HT EXCHANGER TO 12 SAFETY INJ PUMP	B	SP-1137	E	R	#8
SI	X-H-1-45	MV-32084	9	RFLG WATER TO 11 RH PUMP ISOL	B	SP-1089	E	Q	
SI	X-H-1-45	MV-32085	9	RFLG WATER TO 12 RH PUMP ISOL	B	SP-1089	E	Q	
SI	X-H-1-45	SI-4-1	9	11 SI PUMP SUCTION RELIEF	C	PM-3117-2-11	PM	5Y	
SI	X-H-1-45	SI-4-2	9	12 SI PUMP SUCTION RELIEF	C	PM-3117-2-12	PM	5Y	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REMARKS/REQUEST
SI	X-H-1-45	SI-10-1	9	11 SI PUMP DISCHARGE CHECK VALVE	C	SP-1092A	E	R	#5, #12
SI	X-H-1-45	SI-10-2	9	12 SI PUMP DISCHARGE CHECK VALVE	C	SP-1092A	E	R	#5, #12
SI	X-H-1-45	SI-7-1	9	11 RWST TO RH PUMP SUCTION CHECK VALVE	C	SP-1092B	E	R	#5, #11
SI	X-H-1-45	SI-7-2	9	11 RWST TO RH PUMP SUCTION CHECK VALVE	C	SP-1092B	E	R	#5, #11
SI	X-H-1-44	MV-32074	8	1 SAFETY INJ RTR VESSEL INJ ISOL	B	SP-1137	E	R	#8
SI	X-H-1-44	MV-32075	8	11 CONTAINMENT SUMP B ISOL A-1	A	SP-1137 SP-1072-30A	E LT	R R	#8,#16 #57a
SI	X-H-1-44	MV-32076	8	11 CONTAINMENT SUMP B ISOL A-2	A	SP-1137 SP-1072-30B	E LT	R R	#8,#16 #57a
SI	X-H-1-44	CV-31440	N/A	N_2 SUPPLY TO ACC CONTAINMENT ISOL	A	SP-1282 SP-1072-31	E LT	CS R	#57a
SI	X-H-1-44	CV-31242	N/A	N_2 SUPPLY TO ACC HCV	A	SP-1072-31	LT	R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SI	X-H-1-44	CV-31441	8	N_2 SUPPLY TO 11 ACC ISOL	A	SP-1282 SP-1072-31	E LT	CS R	#57a
SI	X-H-1-44	CV-31444	8	N_2 SUPPLY TO 12 ACC ISOL	A	SP-1282 SP-1072-31	E LT	CS R	#57a
SI	X-H-1-44	MV-32064	8	1 RTR VESSEL INJ FROM RH	B	SP-1167	E	CS	
SI	X-H-1-44	CV-31447	8	ACC AFTER CK TEST VLV	A	SP-1070	LT	R	#59, #69
SI	X-H-1-44	CV-31449	8	ACC AFTER CK TEST VLV	A	SP-1070	LT	R	#59,#69
SI	X-H-1-44	SI-6-1	8	12 ACCUMULATOR OUTLET CHECK	C A	SP-1092C SP-1070	E LT	R R	#5,#7 #59
SI	X-H-1-44	SI-6-2	8	12 ACCUMULATOR OUTLET CHECK	C A	SP-1092C SP-1269	E LT	R R	#5,#7
SI	X-H-1-44	SI-6-3	8	11 ACCUMULATOR OUTLET CHECK	C A	SP-1092C SP-1070	E LT	R R	#5,#7 #59
SI	X-H-1-44	SI-6-4	8	11 ACCUMULATOR OUTLET CHECK	C A	SP-1092C SP-1269	E LT	R R	#5,#7

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SI	X-H-1-44	SI-9-1	8	SI TO LOOP B CL CHECK	C A	SP-1092A SP-1070	E LT	R R	#5,#7 #59
SI	X-H-1-44	SI-9-2	8	SI TO LOOP A CL CHECK	C A	SP-1092A SP-1070	E LT	R R	#5,#7 #59
SI	X-H-1-44	SI-9-3	8	LO HEAD SI TO RTR VESSEL CHECK	C A	SP-1092A SP-1070	E LT	R R	#5,#7 #59
SI	X-H-1-44	SI-9-4	8	LO HEAD SI TO RTR VESSEL CHECK	C A	SP-1092A SP-1070	E LT	R R	#5,#7 #59
SI	X-H-1-44	SI-9-5	8	LO HEAD SI TO RTR VESSEL CHECK	C A	SP-1092A SP-1070	E LT	R R	#5,#7 #59
SI	X-H-1-44	SI-9-6	8	LO HEAD SI TO RTR VESSEL CHECK	C A	SP-1092A SP-1070	E LT	R R	#5,#7 #59
SI	X-H-1-44	SI-16-4	8	SI TO LOOP B CL CHECK	C A	SP-1092A SP-1070	E LT	R R	#7 #59
SI	X-H-1-44	SI-16-5	8	SI TO LOOP A CL CHECK	C A	SP-1092A SP-1070	E LT	R R	#7 #59

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SI	X-H-1-44	SI-16-6	8	SI TO RTR VESSEL CHECK	C A	SP-1092A SP-1070	E LT	R R	#7 #59
SI	X-H-1-44	SI-16-7	8	SI TO RTR VESSEL CHECK	C A	SP-1092A SP-1070	E LT	R R	#7 #59
SS	NF-39238	MV-32400	20	PRZR STEAM SPACE SAMPLE VALVE A	A	SP-1242 SP-1072-15	E LT	CS R	#57a
SS	NF-39238	MV-32401	20	PRZR STEAM SPACE SAMPLE VALVE B	A	SP-1242 SP-1072-15	E LT	CS R	#57a
SS	NF-39238	MV-32402	20	PRZR LIQUID SPACE SAMPLE VALVE A	A	SP-1242 SP-1072-16	E LT	CS R	#57a
SS	NF-39238	MV-32403	20	PRZR LIQUID SPACE SAMPLE VALVE B	A	SP-1242 SP-1072-16	E LT	CS R	#57a
SS	NF-39238	MV-32404	20	RCS HOT LEG SAMPLE A	A	SP-1242 SP-1072-17	E LT	CS R	#57a
SS	NF-39238	MV-32405	20	RCS HOT LEG SAMPLE B	A	SP-1242 SP-1072-17	E LT	CS R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
VC	X-H-1-38	VC-25-1	4	RCP SEAL WATER FILTER LINE RELIEF	C	SP-1154(1B)	SP	5Y	
VC	X-H-1-38	VC-26-1	4	LETDOWN LINE RELIEF	C	SP-1154(1A)	SP	5Y	
VC	X-H-1-39	VC-8-7	4	11 RCP SEAL LINE CHECK	C	SP-1166	E	CS	
VC	X-H-1-38	VC-8-6	4	12 RCP SEAL LINE CHECK	C	SP-1166	E	CS	
VC	X-H-1-38	VC-8-2	4	CHARGE LN CHECK DOWNSTREAM REGEN HX	C	SP-1237	E	CS	
VC	X-H-1-38	CV-31326	4	LETDOWN ORIFICE ISOL	A	SP-1162 SP-1072-11	E LT	CS R	#57a
VC	X-H-1-39	VC-7-11	5	CHG LINE HCV ISOL	A	SP-1281 SP-1072-12	E LT	CS R	#57a
VC	X-H-1-39	VC-7-10	5	CHG LINE HCV BP	A	SP-1281 SP-1072-12	E LT	CS R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
VC	X-H-1-39	CV-31198	5	CHG LINE HCV	A	SP-1281 SP-1072-12	E LT	CS R	#57a
VC	X-H-1-39	VC-28-1	5	11 CHG PUMP DISCH RELIEF	C	SP-1154-10	SP	5Y	
VC	X-H-1-39	VC-28-2	5	12 CHG PUMP DISCH RELIEF	C	SP-1154-10	SP	5Y	
VC	X-H-1-39	VC-28-3	5	13 CHG PUMP DISCH RELIEF	C	SP-1154-10	SP	5Y	
VC	X-H-1-7	CV-31226	2	1 REAC CLNT LOOP PZR LTDN LN ISOL	B	SP-1162	E	CS	
VC	X-H-1-7	CV-31255	2	1 REAC CLNT LOOP PZR LTDN LN ISOL	B	SP-1162	E	CS	
VC	X-H-1-38	VC-17-1	4	CHARGE LN CHECK CV-31328 BYPASS CHECK	C	SP-1237	E	CS	
VC	X-H-1-38	VC-8-4	4	12 RCP SEAL INJ CHECK	A	SP-1166 SP-1072-13B	E LT	CS R	#57a
VC	X-H-1-38	VC-8-5	4	11 RCP SEAL INJ CHECK	A	SP-1166 SP-1072-13A	E LT	CS R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
VC	X-H-1-38	VC-14-1	4	12 RCP SEAL INJ THROTTLE VALVE	A	SP-1279 SP-1073-13A	E LT	CS R	#57a
VC	X-H-1-38	VC-14-2	4	11 RCP SEAL INJ THROTTLE VALVE	A	SP-1279 SP-1072-13B	E LT	CS R	#57a
VC	X-H-1-38	MV-32199	4	SEAL RETURN CNTMT ISOL	A	SP-1280 SP-1072-14	E LT	CS R	#57a
VC	X-H-1-38	MV-32166	4	SEAL RETURN CNTMT ISOL	A	SP-1280 SP-1072-14	E LT	CS R	#57a
VC	X-H-1-38	VC-8-1	4	CHG LINE CNTMT CHECK	A	SP-1288 SP-1072-12	E LT	CS R	#57a
VC	X-H-1-38	CV-31339	4	LETDOWN CNTMT ISOL	A	SP-1162 SP-1072-11	E LT	CS R	#57a
VC	X-H-1-38	CV-31325	4	LETDOWN ORIFICE ISOL	A	SP-1162 SP-1072-11	E LT	CS R	#57a
VC	X-H-1-38	CV-31327	4	LETDOWN ORIFICE ISOL	A	SP-1162 SP-1072-11	E LT	CS R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
WL	X-H-1-123	CV-31436	N/A	RCDT PMP DISCH CNTMT ISOL VLV A	A	SP-1283 SP-1072-5	E LT	CS R	#57a
WL	X-H-1-123	CV-31437	N/A	RCDT PMP DISCH CNTMT ISOL VLV B	A	SP-1283 SP-1072-5	E LT	CS R	#57a
WL	X-H-1-123	CV-31434	N/A	RCDT TO VENT HDR CNTMT ISOL VLV A	A	SP-1284 SP-1072-4A	E LT	CS R	#57a
WL	X-H-1-123	CV-31435	N/A	RCDT TO VENT HDR CNTMT ISOL VLV B	A	SP-1284 SP-1072-4A	E LT	CS R	#57a
WL	X-H-1-123	CV-31545	N/A	RCDT TO GA CNTMT ISOL VLV A	A	SP-1285 SP-1072-21	E LT	CS R	#57a
WL	X-H-1-123	CV-31546	N/A	RCDT TO GA CNTMT ISOL VLV B	A	SP-1285 SP-1072-21	E LT	CS R	#57a
WL	NF-39248	CV-31438	N/A	SUMP A DISCH CNTMT ISOL VLV A	A	SP-1286 SP-1072-26	E LT	CS R	#57a
WL	NF-39248	CV-31439	N/A	SUMP A DISCH CNTMT ISOL VLV B	A	SP-1286 SP-1072-26	E LT	CS R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
ZH	NF-39603-4	SV-33728	29	121 CONTROL ROOM WATER CHILLER MTR CLR	B	SP-1161	E	Q	#9, #16
ZH	NF-39603-4	SV-33766	29	122 CONTROL ROOM WATER CHILLER MTR CLR	B	SP-1161	E	Q	#9, #16
ZH	NF-39603-3	CV-31838	2R	121/122 CONTROL ROOM WATER CHILLER INLET X-OVER	B	SP-1160	E	Q	
ZH	NF-39603-3	CV-31837	28	121/122 CONTROL ROOM A/C CHILLER OUTLET X-OVER	B	SP-1160	E	Q	
ZH	NF-39603-3	ZH-2-2	28	122 CHILL WATER PUMP DISCHARGE CHECK	C	SP-1161	E	Q	#5
ZH	NF-39603-3	ZH-2-1	2d	121 CHILL WATER PUMP DISCHARGE CHECK	C	SP-1161	E	Q	#5
ZH	NF-39603-3	ZH-23-2	28	LOOP B CHILL WATER SUPPLY HDRS X-CONNECT CHECK	C	SP-1161	E	Q	#5
ZH	NF-39603-3	ZH-23-1	28	LOOP A CHILL WATER SUPPLY HDRS X-CONNECT CHECK	C	SP-1161	E	Q	#5
ZP	NF-39601-1	CV-31310	N/A	INSERVICE PURGE EXH ISOL B	A	NOTE 4	-	-	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
ZP	NF-39602-1	CV-31311	N/A	INSERVICE PURGE EXH ISOL A	A	NOTE 4	-	-	#57a
ZP	NF-39602-1	CV-31633	N/A	INSERVICE PURGE SUPPLY ISOL B	A	NOTE 4	-	-	#57a
ZP	NF-39602-1	CV-31634	N/A	INSERVICE PURGE SUPPLY ISOL A	A	NOTE 4	-	-	#57a
ZP	NF-39602-1	CV-31621	N/A	CNTMT VAC BKR PWR OP	A	SP-1130 SP-1072-41A	S LT	Q R	#57a
ZP	NF-39602-1	CV-31624	N/A	CNTMT VAC BKR GRAV OP (CHECK VALVE)	A	SP-1130 SP-1072-41A	E LT	Q R	#57a
ZP	NF-39602-1	CV-31622	N/A	CNTMT VAC BKR PWR OP	A	SP-1130 SP-1072-41B	E LT	Q R	#57a
ZP	NF-39602-1	CV-31625	N/A	CNTMT VAC BKR GRAV OP (CHECK VALVE)	A	SP-1130 SP-1172-41B	E LT	Q R	#57a
ZX	NF-86172-1	CV-39401	41	COOLING WATER TO 11 AND 13 FCU	B	SP-1245	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
ZX	NF-86172-1	CV-39403	41	COOLING WATER TO 12 AND 14 FCU	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39409	41	COOLING WATER FROM 11 AND 13 FCU	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39411	41	COOLING WATER FROM 12 AND 14 FCU	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39402	41	11, 13 FCU CHILLED WTR SUPPLY CV	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39412	41	11, 13 FCU CHILLED WTR SUPPLY CV	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39404	41	12, 14 FCU CHILLED WTR SUPPLY CV	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39410	41	12, 14 FCU CHILLED WTR SUPPLY CV	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39405	41	11 SHROUD CLG COILS TR A CHLD WTR SUPPLY CV	B	SP-1297	E	Q	
ZX	NF-86172-1	CV-39407	41	11 SHROUD CLG COILS TR A CHLD WTR RETURN CV	B	SP-1297	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
ZX	NF-86172-1	CV-39406	41	12 SHROUD CLG COILS TR B CHLD WTR SUPPLY CV	B	SP-1297	E	Q	
ZX	NF-86172-1	CV-39408	41	12 SHROUD CLG COILS TR B CHLD WTR RETURN CV	B	SP-1297	E	Q	

SECTION 1.5 REQUESTS FOR RELIEF FROM ASME CODE SECTION XI REQUIREMENTS DETERMINED TO BE IMPRACTICAL
UNIT NO. 1 AND COMMON COMPONENTS

This section contains a tabulation of all the requirements contained in Section XI of the ASME Code that we have determined are impractical on Unit 1 and common components.

The Requests for Relief are numbered sequentially with the following exceptions:

Request for Relief No.	Remarks
6	Withdrawn
10	Withdrawn
15	Withdrawn
17	Withdrawn
18 - 20	Withdrawn
22	Withdrawn
32	Withdrawn
34	Withdrawn
36 - 39	Withdrawn
41 - 44	Withdrawn
46 - 47	Withdrawn
49	Withdrawn
51	Withdrawn
53	Withdrawn
55	Withdrawn
57c	Withdrawn
58	Withdrawn
62	Withdrawn
64 - 67	Withdrawn

4. REQUEST FOR RELIEF

COMPONENT	FUNCTION	ASME CODE CLASS	ASME VALVE CAT
121, 122 Diesel Cooling Water Pump Fuel Oil Transfer Pump	To maintain proper fuel oil level in the diesel cooling water pump day tank.	3	—
121, 122, 123, 124 Diesel Generator Fuel Oil Transfer Pump	To maintain proper fuel oil level in the diesel generator day tank.	3	—

CODE REQUIREMENT

Operational readiness of the pump will not be verified by testing in accordance with Subsection IWP.

BASIS

A performance test on the Diesel Cooling Water or Diesel Generator Fuel Oil Transfer pumps conducted in accordance with Section XI is impractical and unnecessary for the following reasons:

1. The fuel oil transfer pumps are submerged in approximately 10 feet of diesel oil and are not installed with instrumentation for measuring bearing temperature or rotor vibration.

2. Pump discharge pressure is very low because of low resistance of the discharge line. Discharge pressure is approximately 2.0 PSIG as measured on the 0-30 PSIG range gauge.

3. There are two fuel oil transfer pumps for each diesel engine. Failure of one transfer pump will cause an alarm requiring start of the redundant transfer pump. Between the failure of one transfer pump and the start of the second (redundant) pump there is nearly three hours supply of fuel oil in the day tank at the diesel engine.

4. A flow rate test of the transfer pumps requires draining and refilling of the diesel day tank. Such draining and refilling requires opening and closing of manual valves, and thus adds to chances for operator error.

ALTERNATE INSPECTION (TESTING)

The ability of each transfer pump to transfer fuel oil from the storage system to day tank will be demonstrated monthly.

The motor's running amperage will be measured annually, such that one pump is tested every two months. If one pump should fail its test the other transfer pumps would be tested. Tests have been conducted to determine the pumps normal amperage. The results were reviewed with the manufactures to determine the acceptance limit.

SCHEDULE FOR IMPLEMENTATION

Six months from the submittal date of April 19, 1983.

9. REQUEST FOR RELIEF

COMPONENT	FUNCTION	ASME Code Class	ASME Vlv Cat
SV-33133 Clg Water to 121 Safeguards Travel Scrn	Oper. to flush traveling screen	3	B
SV-33134 Clg Water to 122 Safeguards Travel Scrn	Open to flush traveling screen	3	B
SV-33464 122 DD Clng Water Pump Air Motor SV A	Open to supply starting air for diesel clng wtr pump	3	B
SV-33465 12 DD Clng Water Pump Air Motor SV B	Open to supply starting air for diesel clng wtr pump	3	B
SV-33466 22 DD Clng Water Pump Air Motor SV A	Open to supply starting air for diesel clng wtr pump	3	B
SV-33467 22 DD Clng Water Pump Air Motor SV B	Open to supply starting air for diesel clng wtr pump	3	B
CV-31953 D1 Diesel Generator Air Start A	Open to supply starting air for diesel generator	3	B
CV-31954 D1 Diesel Generator Air Start B	Open to supply starting air for diesel generator	3	B
CV-31955 D2 Diesel Generator Air Start A	Open to supply starting air for diesel generator	3	B
CV-31956 D2 Diesel Generator Air Start B	Open to supply starting air for diesel generator	3	B
SV-33990 11 Post LOCA H_2 Containment Vent	Close to allow dilution of containment atmos	2	B
SV-33991 12 Post LOCA H_2 Containment Vent	Close to allow dilution of containment atmos	2	B
CV-31423 12 DD Clng Water Pump Jckt Clr Outlet	Open to supply diesel jacket cooling system	3	B
CV-31457 22 DD Clng Water Pump Jckt Clr Outlet	Open to supply diesel jacket cooling system	3	B
CV-31154 12 MD Aux Fd Pump Oil Clr Clng Wtr Inlt	Open to supply feed pump oil cooler	3	B
CV-31153 11 TD Aux Fd Pump Oil Clr Clng Wtr Inlt	Open to supply feed pump oil cooler	3	B
SV-33728 121 Cont Room Water Chlr Mtr Clr	Open to supply chiller motor cooler	3	B
SV-33766 122 Cont Room Water Chlr Mtr Clr	Open to supply chiller motor cooler	3	B

CODE REQUIREMENT

Stroke time of the power operated valves will not be measured as required by IWV-3413.

9. REQUEST FOR RELIEF (cont'd)

BASIS

The power operated valves are fast acting and lacking indication at the controlling switch, therefore, stroke timing described in IWV-3413 will not provide the repeatability necessary to measure component operability.

ALTERNATE INSPECTION (TESTING)

SV-31333 and SV-33134 - Clg water to 121 Safeguards Travel Scrn.

Valves will be coarse timed using a watch second hand or other device to determine valves open in less than 2 seconds. Opening will be determined by increased pressure downstream of the valve.

SV-33464, 33465, 33466, and 33467 - Diesel Cooling Water Pump Air Motor Solenoid Valves.

Valves are part of the diesel cooling water pump system whose overall operability is determined by start timing, and this timing will be used to determine the operability of the solenoid valves. Because the SV's are paired to the diesel one could fail and the diesel would still start. The Air Motor individual exhausts will be checked to verify that the individual solenoids are operable.

CV-31954, 31955, 31956, and 31957 - Diesel Generator Air Start Control Valves

Valves are part of the diesel generator system whose overall operability is determined by start timing and this timing will be used to determine the operability of the control valves. Because the CV's are paired to the diesel, one could fail and the diesel would still start. The stroking of these valves will be observed locally to ensure that both valves function together and open within 2 seconds.

SV-33990 and 33991 - Post LOCA H Containment Vent

Valves operating time cannot be measured. Valves open on a signal from a limit switch on a motor operated valve, the operating time of the SV is in milliseconds, (about two orders of magnitude less than the MV cycling time) and the SV's moving parts are totally enclosed, and the SV is not easily accessible. Therefore, because the valve cycling time is shorter than the actuating time and there is no means to tell when the valve has closed, stroke timing would be a meaningless measure of operability. However, testing will verify air flow through the valve has stopped when the valve is operated.

CV-31423 and 31457 - Diesel Cooling Water Pump Jacket Cooler Outlet

These valves open on Diesel Cooling Water Pump start, therefore, it is very difficult to obtain the repeatability necessary to make the stroke timing of the valve a meaningful measurement. The smooth operation of the valve will be observed locally. Additionally the valve will be stroked timed after the diesel cooling water pump annual PM.

CV-31154 and 31153 - Aux Feedwater Pump Oil Cooler Cooling Water Inlet Valve

Valves receive an open signal from the pump start circuitry which is done remotely. Valves will be coarse timed using a watch second hand or other device to determine valves open in less than 2 seconds. Opening will be determined by local observation of valve movement.

ASME Section XI Pressure Testing Program - Unit No. 2

ASME Code Edition and Addenda: 1980 Edition through and including Winter 1981 Addenda

Program Period: December 21, 1984 to December 21, 1994

The system Code Class boundaries are established on the ASME Code Classification Drawings in the Plant's print file. The Pressure Test Program for the Class 1, 2, and 3 systems is as follows:

ASME CODE CLASS	TEST TYPE	TEST FREQUENCY	TEST SPECIFICATION	REQUEST FOR RELIEF
1	Leakage	Refueling	IWB-5210 IWB-5221 IWA-5000	#60
1	Hydrostatic	10 years	IWB-5210 IWB-5222 IWA-5000	
2	Pressure Test	3 1/3 years	IWC-2412 IWC-2500 IWC-2501	#29
2	Hydrostatic Test	10 years	IWC-2412 IWC-2500 IWC-5222	#29, #68
3	Pressure	3 1/3 years	IWD-2410 IWD-5222 IWD-2510	#28
3	Hydrostatic Test	10 years	IWD-2410 IWD-2510 IWD-5223	#28

ASME CODE PUMPS

PUMP DESCRIPTION	FLOW DIAGRAM	CLASS DWG	TEST PROC	TEST PARAMETER							TEST FREQ	REQUEST FOR RELIEF
				Pi	Vv	Q	Pd	N	Tb	L		
21 Safecy Injection	X-H-1001-7	34	SP-2088	X	X		X				Q	#1, #2
22 Safety Injection	X-H-1001-7	34	SP-2088	X	X		X				Q	#1, #2
22 Turbine Aux Feedwater	NF-39223	16	SP-2102	X	X		X				Q	#2, #33
			SP-2103	X	X	X	X				Y	
			SP-2330						X		Y	
21 Motor Aux Feedwater	NF-39223	16	SP-2100	X	X		X				Q	#2, #33
			SP-2101	X	X	X	X				Y	
			SP-2329						X		Y	
21 Containment Spray	NF-39257	19	SP-2090	X	X		X				Q	#1, #2
22 Containment Spray	NF-39237	19	SP-2090	X	X		X				Q	#1, #2
21 Component Cooling	NF-39246	39	SP-2155	X	X	X	X				Q	#1, #2, #3
22 Component Cooling	NF-39246	39	SP-2155	X	X	X	X				Q	#1, #2, #3
21 Residual Heat Removal	X-H-1001-8	35	SP-2089	X	X		X				Q	#1, #2
22 Residual Heat Removal	X-H-1001-8	35	SP-2089	X	X		X				Q	#1, #2

ASME Section XI Valve Testing Program - Unit No. 2

ASME Code Edition and Addenda: 1980 Edition through and including Summer 1981 Addenda

Program Period: December 21, 1984 to December 21, 1994

NOTES:

1. The following sheets identify the unit 2 system valves that are subject to the testing requirements of Section XI, Subsection IWV. Valves in Code Class 1, 2, and 3 systems have been categorized in accordance with IWV-2220, subject to the exclusions of IWV-1200, using the following criteria.

   a) The program has been limited to those Code Class 1, 2, and 3 valves that must function to prevent the occurence of or mitigate the consequences of an analyzed accident contained in the FSAR.

   b) Containment isolation valves are considered category A valves and are leak tested in accordance with the plant Technical Specification. Category A valves are exercised in accordance with IWV-3410, except where relief is requested. Containment isolation valves which are appendages of the containment vessel and are not connected to any other Code Class 1, 2, or 3 piping systems are not shown on the code class drawings.

2. LEGEND:

Test Type:	Test Frequency:	
E = exercise	D = daily	S = startup
SP = relief valve setpoint verification	M = monthly	2W = every other week
L = valve lineup check	Q = quarterly	2M = every other month
LT = leak test	R = refueling	CU = core unload
I = inspection	Y = yearly	5Y = 5 years

3. Inservice valve testing at cold shutdown is defined as: Valve testing should commence not later than 48 hours after shutdown and continue until complete or plant is ready to return to power. Completion of all valve testing is not a prerequisite to return return to power. Any testing not completed at one cold shutdown should be performed during the subsequent cold shutdowns to meet the code specified testing frequency.

4. Containment Inservice Purge Supply and Exhaust Valves are normally blind flanged out-of-service during operation. In the event that valves are required for containment integrity they will be exercised and leak rate tested prior to being placed in service.

5. For all control and motor valve exercise (stroke timing) tests, the base stroke time from which the 25% and 50% allowable time increase is figured will be one of the following methods:

   a) Original Preoperational testing.
   b) Post maintenance.
   c) The first running of the test.

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
AF	NF-39223	CV-31419	38	22 TD AFWP RECIRC/LUBE OIL CLG CV	B	SP-2102	E	Q	#9
AF	NF-39223	CV-31418	38	21 MD AFWP RECIRC/LUBE OIL CLG CV	B	SP-2100	F	Q	#9
AF	NF-39223	2AF-29-1	38	21 AUX FW PMP SUCT RELIEF	C	SP-2154(6)	SP	5Y	
AF	NF-39223	2AF-29-2	38	22 AUX FW PMP SUCT RELIEF	C	SP-2154(6)	SP	5Y	
AF	NF-39223	AF-16-4	38	AUX FW TO 21 STEAM GENERATOR CHECK	C	SP-2103	E	Y	#5
AF	NF-39223	AF-16-3	38	AUX FW TO 22 STEAM GENERATOR CHECK	C	SP-2103	E	Y	#5
AF	NF-39223	AF-15-7	38	AUX FW TO 21 STM GEN CHECK	C	SP-2103	E	Y	#5
AF	NF-39223	AF-15-6	38	AUX FW TO 22 STM GEN CHECK	C	SP-2101	E	Y	#5
AF	NF-39223	AF-15-5	38	AUX FW TO 21 STM GEN CHECK	C	SP-2101	E	Y	#5
AF	NF-39223	AF-15-5	38	AUX FW TO 22 STM GEN CHECK	C	SP-2103	E	Y	#5

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
AF	NF-39223	AF-15-12	38	22 AUX FW PUMP DISCH CHECK	C	SP-2102	E	Q	#5
AF	NF-39223	AF-14-7	38	22 AUX FW PUMP SUCT CHECK	C	——	—	—	#27
AF	NF-39233	AF-15-11	38	21 AUX FR PUMP DISCH CHECK	C	SP-2100	E	Q	#5
AF	NF-39233	AF-14-5	38	21 AUX FW PUMP SUCT CHECK	C	——	—	—	#27
AF	NF-39223	MV-32336	38	CD TO 21 AFW PUMP	B	2100	E	Q	
AF	NF-39223	MV-32345	38	CD TO 22 AFW PUMP	B	SP-2102	E	Q	
AF	NF-39223	MV-32246	38	AFW from 22 AFWP to 21 S/G	B	SP-2102	E	Q	
AF	NF-39223	MV-32247	38	AFW from 22 AFWP to 22 S/G	B	SP-2102	E	Q	
AF	NF-39223	MV-32383	38	AFW from 21 AFWP to 21 S/G	B	SP-2100	E	Q	
AF	NF-39223	MV-32384	38	AFW from 21 AFWP to 22 S/G	B	SP-2100	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CA	NF-39252	CV-31939	18	21 CNTMT SPRAY PUMP SUCT FROM NaOH STANDPIPE ISOL	B	SP-2090	E	Q	
CA	NF-39252	CV-31940	18	22 CNTMT SPRAY PUMP SUCT FROM NaOH STANDPIPE ISOL	B	SP-2090	E	Q	
CA	NF-39252	2CA-11-1	18	NaOH ADD TO 21 & 22 CS PUMPS CHECK	C	PM-3118-3 SP-2153	I E	5 yr CS	#5
CC	NF-39246	MV-32128	39	21 RESIDUAL HT EXCH COMP CLNT INLET	B	SP-2155	E	Q	
CC	NF-39246	2CC-3-1	39	21 COMP COOL PUMP DISCH CK	C	SP-2155	E	Q	
CC	NF-39246	2CC-3-2	39	22 COMP COOL PUMP DISCH CK	C	SP-2155	E	Q	
CC	NF-39246	2CC-5-1	39	RETURN LINE TO 21 COMP COOL PUMP CHECK	C	Ops Man C14	E	CS	
CC	NF-39246	2CC-5-2	39	RETURN LINE TO 22 COMP COOL PUMP CHECK	C	Ops Man C14	E	CS	
CC	NF-39246	2CC-3-3	39	RETURN LINE TO 21 COMP COOL PUMP CHECK	C	———	—	—	#27

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CC	NF-39246	2CC-3-4	39	RETURN LINE TO 22 COMP COOL PUMP CHECK	C	———	—	—	#27
CC	NF-39236	MV-32211	39	21 COMP CLG PUMP SUCTION MAKEUP WATER	I	SP-2155	E	Q	
CC	NF-39246	MV-32212	39	22 COMP CLG PUMP SUCTION MAKEUP WATER	B	SP-2155	E	Q	
CC	NF-39246	2CC-1-11	39	21 & 22 COMP COOLING PUMP SUCT X-CONNECT	B	SP-2155	E	Q	
CC	NF-39246	2CC-1-12	39	21 & 22 COMP COOLING PUMP SUCT X-CONNECT	B	SP-2155	E	Q	
CC	NF-39246	2CC-1-13	39	21 & 22 COMP COOLING PUMP DISCH X-CONNECT	B	SP-2155	E	Q	
CC	NF-39246	2CC-1-14	39	21 & 22 COMP COOLING PUMP DISCH X-CONNECT	B	SP-2155	E	Q	
CC	NF-39245	MV-32117	23	122 SPENT FUEL PIT HT EXCH INLT HEADER B	B	SP-1155	E	Q	
CC	NF-39246	MV-32123	39	22 COMP CLG HT EXCH OUTLET	B	SP-2163	E	R	#21

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CC	NF-39246	MV-32269	39	21/22 RCP COMP CLG INLET ISOL B	B	SP-2163	E	R	#21
CC	NF-39246	MV-32268	39	21/22 RCP COMP CLG INLET ISOL A	B	SP-2163	E	R	#21
CC	NF-39246	MV-32122	39	21 COMP CLG HT EXCH OUTLET	B	SP-2163	E	R	#21
CC	NF-39246	MV-32129	39	22 RSDL HT EXCH COMP CLNT INLET	B	SP-2155	E	Q	
CL	NF-39216	MV-32034	36	121 CLWP DISCH HDR A	B	SP-1158	E	Q	
CL	NF-39216	MV-32035	36	121 CLWP DISCH HDR B	B	SP-1158	E	Q	
CL	NF-39216	MV-32160	14	21 COMP CLG HT EXCH COOLING WATER ISOL	B	SP-2155	E	Q	
CL	NF-39216	MV-32161	14	22 COMP CLG HT EXCH COOLING WATER ISOL	B	SP-2155	E	Q	
CL	NF-39217	MV-32329	36	21 AUX BLDG CLG WTR RETURN HEADER ISOL	B	SP-1158	E	Q	
CL	NF-39217-2	MV-32386	14	21 FAN COIL WTR SUPPLY ISOL	B	SP-2158	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CL	NF-39217-2	MV-32387	14	22 FAN COIL WTR SUPPLY ISOL	B	SP-2158	E	Q	
CL	NF-39217-2	MV-32388	14	23 FAN COIL WTR SUPPLY ISOL	B	SP-2158	E	Q	
CL	NF-39217-2	MV-32389	14	24 FAN COIL WTR SUPPLY ISOL	B	SP-2158	E	Q	
CL	NF-39217-3	MV-32147	14	21 FAN COIL WTR RETURN ISOL A	B	SP-2158	E	Q	
CL	NF-39217-3	MV-32150	14	22 FAN COIL WTR RETURN ISOL A	B	SP-2158	E	Q	
CL	NF-39217-3	MV-32153	14	23 FAN COIL WTR RETURN ISOL A	B	SP-2158	E	Q	
CL	NF-39217-3	MV-32156	14	24 FAN COIL WTR RETURN ISOL A	B	SP-2158	E	Q	
CL	NF-39217	MV-32148	36	21 FAN COIL CLG WTR RETURN ISOL A	B	SP-2158	E	Q	
CL	NF-39217	MV-32154	36	23 FAN COIL CLG WTR RETURN ISOL B	B	SP-2158	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CL	NF-39217	MV-32151	36	22 FAN COIL CLG WTR RETURN ISOL A	B	SP-2158	E	Q	
CL	NF-39217	MV-32157	36	24 FAN COIL CLG WTR RETURN ISOL B	B	SP-2158	E	Q	
CL	NF-39127	CV-39200	21	21/23 FCU CLG WTR RETURN ORIFICE B-P VALVE	B	SP-2158	E	Q	
CL	NF-39217	CV 39202	22	22/24 FCU CLG WTR RETURN ORIFICE B-P VALVE	B	SP-2158	E	Q	
CS	NF-39237	MV-32110	19	21 CNTMT SPRAY PUMP SUCT FROM RWST	B	SP-2137	E	R	#8
CS	NF-39237	MV-32111	19	22 CNTMT SPRAY PUMP SUCT FROM RWST	B	SP-2137	E	R	#8
CS	NF-39237	MV-32108	19	21 CNTMT SPRAY PUMP SUCT FROM RHR HT EXCH	B	C1.2 SP-2137	L E	S R	#8
CS	NF-39237	MV-32109	19	22 CNTMT SPRAY PUMP B SUCT FROM RHR HT EXCH	B	C1.2 SP-2137	L E	S R	#8
CS	NF-39237	2CS-22-1	19	21 CNTMT SPRAY PUMP SUCT RELIEF	C	SP-2154-2(11)	SP	5Y	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
CS	NF-39237	2CS-22-2	19	22 CNTMT SPRAY PUMP SUCT RELIEF	C	SP-2154-2(12)	SP	5Y	
CS	NF-39237	CS-48	19	22 CONTAINMENT SPRAY PUMP DISCH CHECK	C	PM 3118-4-22	I	5Y	#57a,
					A	SP-2072-29B	LT	R	#5
						SP-2287	E	CS	
CS	NF-39237	CS-49	19	21 CONTAINMENT SPRAY PUMP DISCH CHECK	C	PM-3118-4-21	I	5Y	#57a,
					A	SP-2072-29A	LT	R	#5
						SP-2287	E	CS	
CS	NF-39237	MV-32116	19	22 CONTAINMENT SPRAY PUMP DISCH CHECK	A	SP-2241/2137	E	CS	#57a
						SP-2072-29B	LT	R	
CS	NF-39237	MV-32114	19	21 CONTAINMENT SPRAY PUMP DISCH	A	SP-2241/2137	E	CS	#57a
						SP-2072-29A	LT	R	
FW	NF-39223	2FW-8-1	38	FW TO 21 STM GEN CHECK	C	———	–	–	#27
FW	NF-39223	2FW-8-2	38	FW TO 22 STM GEN CHECK	C	———	–	–	#27
HC	NF-39251	2HC-1-3	25	INST AIR SUPPLY TO CNTMT VESSEL	B	SP-2157	E	CS	
HC	NF-39251	2HC-1-4	25	EMERGENCY AIR SUPPLY TO CNTMT VESSEL	B	SP-2157	E	CS	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
HC	NF-39251	2HC-1-5	25	INST AIR SUPPLY TO CNTMT VESSEL	B	SP-2157	E	CS	
HC	NF-39251	2HC-1-6	25	EMERGENCY AIR SUPPLY TO CNTMT VESSEL	B	SP-2157	E	CS	
HC	NF-39251	SV-33993	25	22 POST LOCA H2 CNTMT VENT	B	SP-2157	E	CS	#9
HC	NF-39251	SV-33992	25	21 POST LOCA H2 CNTMT VENT	B	SP-2157	E	CS	#9
HC	NF-39251	2HC-2-1	25	INST & EMERG AIR TO INSIDE CNTMT VESSEL CHECK	A	SP-2157 SP-2072-42A	E LT	CS R	#57a
HC	NF-39251	2HC-2-2	25	INST & EMERG AIR TO INSIDE CNTMT VESSEL CHECK	A	SP-2157 SP-2072-50	E LT	CS R	#57a
HC	NF-39251	MV-32290	25	POST LOCA VENT ISOL	A	SP-1252 SP-2072-42A	E LT	Q R	#57a
HC	NF-39251	MV-32293	25	POST LOCA SUPPLY ISOL	A	SP-1252 SP-2072-42A	E LT	Q R	#57a
HC	NF-39251	MV-32292	25	POST LOCA VENT ISOL	A	SP-1252 SP-2072-50	E LT	Q R	#57a
HC	NF-39251	MV-32295	25	POST LOCA SUPPLY ISOL	A	SP-1252 SP-2072-50	E LT	Q R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
HC	NF-39251	CV-31926	25	POST LOCA TO GA ISOL	A	SP-1252 SP-2072-42A	E LT	Q R	#57a
HC	NF-39251	CV-31924	25	POST LOCA FI ISOL	A	SP-1252 SP-2072-42A	E LT	Q R	#57a
HC	NF-39261	CV-31928	25	POST LOCA TO GA ISOL	A	SP-1252 SP-2072-50	E LT	Q R	#57a
HC	NF-39261	CV-31930	25	POST LOCA TO FI ISOL	A	SP-1252 SP-2072-50	E LT	Q R	#57a
MS	NF-39219	CV-31117	37	22 LOOP B MN STM HDR ISOL	B	SP-2099	E	CS	
MS	NF-39219	CV-31116	37	21 LOOP A MN STM HDR ISOL	B	SP-2099	E	CS	
MS	NF-39219	CV-31999	37	22 TD AFWP MN STM SUPPLY	B	SP-2102	E	Q	
MS	NF-39219	RS-21-11	37	21 STM GEN SAFETY VLV	C	SP-2154(8)	SP	5Y	
MS	NF-39219	RS-21-12	37	21 STM GEN SAFETY VLV	C	SP-2154(8)	SP	5Y	
MS	NF-39219	RS-21-13	37	21 STM GEN SAFETY VLV	C	SP-2154(8)	SP	5Y	
MS	NF-39219	RS-21-14	37	21 STM GEN SAFETY VLV	C	SP-2154(8)	SP	5Y	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
MS	NF-39219	RS-21-15	37	21 STM GEN SAFETY VLV	C	SP-2154(8)	SP	5Y	
MS	NF-39219	RS-21-16	37	22 STM GEN SAFETY VLV	C	SP-2154(8)	SP	5Y	
MS	NF-39219	RS-21-17	37	22 STM GEN SAFETY VLV	C	SP-2154(8)	SP	5Y	
MS	NF-39219	RS-21-18	37	22 STM GEN SAFETY VLV	C	SP-2154(8)	SP	5Y	
MS	NF-39219	RS-21-19	37	22 STM GEN SAFETY VLV	C	SP-2154(8)	SP	5Y	
MS	NF-39219	RS-21-20	37	22 STM GEN SAFETY VLV	C	SP-2154(8)	SP	5Y	
MS	NF-39219	2MS-15-1	37	22 STM GEN TO 22 TD AUX FW PUMP CHECK	C	SP-2103	E	Y	#5
MS	NF-39219	2MS-15-2	37	21 STM GEN TO 22 TD AUX FW PUMP CHECK	C	SP-2103	E	Y	#5
RC	X-H-1001-3	2RC-3-1	N/A	RTR MAKEUP WATER TO PRT ISOL CHECK	A	SP-2072-45 SP-2289	LT E	R CS	#57a
RC	X-H-1001-3	2RC-5-1	N/A	PRT N_2 SUPPLY ISOL CHECK	A	SP-2072-2 SP-2289	LT E	R CS	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
RC	X-H-1001-3	CV-31342	N/A	RTR MAKEUP WATER TO PRT ISOL	A	SP-2272 SP-2072-45	E LT	Q R	#57a
RC	X-H-1001-3	CV-31209	N/A	PRT N_2 SUPPLY ISOL	A	SP-2272 SP-2072-2	E LT	CS R	#57a
RC	X-H-1001-3	CV-31344	N/A	PRT SAMPLE TO GA	A	SP-2246 SP-2072-1	E LT	CS R	#57a
RC	X-H-1001-3	CV-31345	N/A	PRT SAMPLE TO GA	A	SP-2246 SP-2072-1	E LT	CS R	#57a
RC	X-H-1001-3	2RC-10-1	30	PRESSURIZER RELIEF VALVE	C	SP-2154(9)	SP	5Y	
RC	X-H-1001-3	2RC-10-2	30	PRESSURIZER RELIEF VALVE	C	SP-2154(9)	SP	5Y	
RC	X-H-1001-3	SV-37091	2	PRESSURIZER VENT VALVE A	B	SP-2248	E	R	#8, #16
RC	X-H-1001-3	SV-37092	2	PRESSURIZER VENT VALVE B	B	SP-2248	E	R	#8, #16
RC	X-H-1001-3	SV-37093	2	RTR HEAD VENT VAVLE A	B	SP-2248	E	R	#8, #16
RC	X-H-1001-3	SV-37094	2	RTR HEAD VENT VALVE B	B	SP-2248	E	R	#8, #16
RC	X-H-1001-3	SV-37095	2	VENT TO CNTMT ATMOSPHERE VALVE A	B	SP-2248	E	R	#8, #16

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
RC	X-H-1001-3	SV-37096	2	VENT TO PRT VALVE B	B	SP-2243	E	R	#8, #16
RC	X-H-1001-3	CV-31233		PRZR OUTL TO PRZR REL TNK A	B	SP-2291	E	CS	
RC	X-H-1001-3	CV-31234		PRZR OUTL TO PRZR REL TNK B	B	SP-2291	E	CS	
RC	X-H-1001-3	MV-32197		PRZR OUTL TO PRZR REL TNK ISOL A	B	SP-2265	E	Q	
RC	X-H-1001-3	MV-32198		PRZR OUTL TO PRZR REL TNK ISOL B	B	SP-2265	E	Q	
RD	N/A	CV-31129	N/A	AIR SAMPLE TO RD CNTMT ISOL	A	SP-2244 SP-2072-22	E LT	Q R	#57a
RD	N/A	CV-31644	N/A	AIR SAMPLE TO RD CNTMT ISOL	A	SP-2244 SP-2072-22	E LT	Q R	#57a
RD	N/A	CV-31643	N/A	AIR SAMPLE FROM RD CNTMT ISOL	A	SP-2244 SP-2072-23	E LT	Q R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
RD	N/A	CV-31642	N/A	AIR SAMPLE FROM RD CNTMT ISOL	A	SP-2244 SP-2072-23	E LT	Q R	#57a
RH	X-H-1001-8	2RH-8-1	35	RHR PUMP SUCTION RELIEF	C	SP-2154(5)	SP	CU	#13
RH	X-H-1001-8	2RH-3-3	35	22 RHR PUMP DISCH CK VLV	C	SP-2089 SP-2092A	E	Q	#5
RH	X-H-1001-8	2RH-3-4	35	21 RHR PUMP DISCH CK VLV	C	SP-2089 SP-2092A	E E	Q R	#5
RH	X-H-1001-8	2RH-6-1	35	2" LETDOWN LINE BP CK VLV	C	SP-2164	E	R	#14
RH	X-H-1001-8	MV-32192	35	RH SUCT FROM LOOP A HL	A	SP-2273 SP-2070	E LT	CS R	#59
RH	X-H-1001-8	MV-32193	35	RH SUCT FROM LOOP A HL	A	SP-2273 SP-2070	E LT	CS R	#59
RH	X-H-1001-8	MV-32232	35	RH SUCT FROM LOOP B HL	A	SP-2273 SP-2070	E LT	CS R	#59
RH	X-H-1001-8	MV-32233	35	RH SUCT FROM LOOP B HL	A	SP-2273 SP-2070	E LT	CS R	#59

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
RH	X-H-1001-8	MV-32169	35	RH RETURN TO CL	A	SP-2167 SP-2070	E LT	CS R	#59
SA	NF-39244	CV-31742	N/A	2 CNTMT INST AIR ISOL VALVE A	A	SP-2072-20	E LT	R R	#57b, #57a
SA	NF-39244	CV-31743	N/A	2 CNTMT INST AIR ISOL VALVE B	A	SP-2072-20	E LT	R R	#57b, #57a
SA	NF-39773	2SA-75-1	- -	PORV ACCUM CK	C A	SP-2291 SP-2298	E LT	CS R	
SA	NF-39773	2SA-75-2	- -	PORV ACCUM CK	C A	SP-2291 SP-2298	E LT	CS R	
SB	NF-39250	MV-32046	40	21 SG BLOWDOWN CNTMT ISOL VLV A	B	SP-2267	E	Q	
SB	NF-39250	MV-32051	40	21 SG BLOWDOWN CNTMT ISOL VLV B	B	SP-2267	E	Q	
SB	NF-39250	MV-32049	40	22 SG BLOWDOWN CNTMT ISOL V[illegible]	B	SP-2267	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SB	NF-39250	MV-32059	40	22 SG BLOWDOWN CNTMT ISOL VLV B	B	SP-2267	E	Q	
SI	X-H-1001-6	MV-32172	33	2 SAFETY INJ RTR VESSEL INJ ISOL A	B	SP-2236	E	CS	
SI	X-H-1001-6	MV-32170	33	2 SAFETY INJ RTR VESSEL INJ ISOL B	B	SP-2236	E	CS	
SI	X-H-1001-6	MV-32167	33	2 RTR VESSEL INJ FROM RH HT EXCH ISOL	B	SP-2167	E	CS	
SI	X-H-1001-6	MV-32180	33	21 CNTMT SUMP B ISOL B-1	B	SP-2137	E	R	#8
SI	X-H-1001-6	MV-32181	33	21 CNTMT SUMP B ISOL B-2	B	SP-2137	E	R	#8
SI	X-H-1001-6	2SI-25-1	33	21 ACCUMULATOR RELIEF	C	SP-2154(11)	SP	5Y	
SI	X-H-1001-6	2SI-25-2	33	22 ACCUMULATOR RELIEF	C	SP-2154(12)	SP	5Y	
SI	X-H-1001-6	2SI-26-1	33	RHR HT EXCHANGER TO REACTOR VESSEL RELIEF	C	SP-2154(3C)	SP	CU	#70
SI	X-H-1001-7	MV-32184	34	BORIC ACID SUPPLY TO SAFETY INJ PUMPS ISOL A	B	SP-2088	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SI	X-H-1001-7	MV-32185	34	BORIC ACID SUPPLY TO SAFETY INJ PUMPS ISOL B	B	SP-2088	E	Q	
SI	X-H-1001-7	MV-32182	34	RFLG WTR TO SAFETY INJ PUMPS HDR ISOL A	B	SP-2088	E	Q	
SI	X-H-1001-7	MV-32183	34	RFLG WTR TO SAFETY INJ PUMPS HDR ISOL B	B	SP-2088	E	Q	
SI	X-H-1001-7	MV-32204	34	SAFETY INJ TEST TO 21 RWST VLV A	B	SP-2236	E	CS	
SI	X-H-1001-7	MV-32205	34	SAFETY INJ TEST TO 21 RWST VLV B	B	SP-2236	E	CS	
SI	X-H-1001-7	MV-32190	34	21 SAFETY INJ PUMP SUCT ISOL	B	SP-2236	E	CS	
SI	X-H-1001-7	MV-32191	34	22 SAFETY INJ PUMP SUCT ISOL	B	SP-2236	E	CS	
SI	X-H-1001-7	MV-32208	34	RHR HT EXCHANGER TO 21 SAFETY INJ PUMP	B	SP-2137	E	R	#8
SI	X-H-1001-7	MV-32209	34	RHR HT EXCHANGER TO 22 SAFETY INJ PUMP	B	SP-2137	E	R	#8
SI	X-H-1001-7	MV-32187	34	RFLG WATER TO 21 RHR PUMP ISOL	B	SP-2089	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SI	X-H-1001-7	MV-32188	34	RFLG WATER TO 22 RHR PUMP ISOL	B	SP-2089	E	Q	
SI	X-H-1001-7	2SI-4-1	34	21 SI PUMP SUCTION RELIEF	C	PM-3117-2-21	PM	5Y	
SI	X-H-1001-7	2SI-4-2	34	22 SI PUMP SUCTION RELIEF	C	PM-3117-2-22	PM	5Y	
SI	X-H-1001-7	2SI-10-1	34	21 SI PUMP DISCHARGE CHECK VALVE	C	SP-2092A	E	R	#5, #12
SI	X-H-1001-7	2SI-10-2	34	22 SI PUMP DISCHARGE CHECK VALVE	C	SP-2092A	E	R	#5, #12
SI	X-H-1001-7	2SI-7-1	34	RWST TO RHR PUMP SUCTION CHECK VALVE	C	SP-2092B	E	R	#5, #11
SI	X-H-1001-7	2SI-7-2	34	RWST TO RHR PUMP SUCTION CHECK VALVE	C	SP-2092B	E	R	#5, #11
SI	X-H-1001-6	MV-32177	33	2 SAFETY INJ RTR VESSEL INJ ISOL	B	SP-2137	E	R	#8
SI	X-H-1001-6	MV-32178	33	21 CONTAINMENT SUMP B ISOL A-1	A	SP-2137 SP-2072-30A	E LT	R R	#8, #16 #57a
SI	X-H-1001-6	MV-32179	33	21 CONTAINMENT SUMP B ISOL A-2	A	SP-2137 SP-2072-30B	E LT	R R	#8, #16 #57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SI	X-H-1001-6	CV-31554	N/A	N_2 SUPPLY TO ACC CONTAINMENT ISOL	A	SP-2282 SP-2072-31	E LT	CS R	#57a
SI	X-H-1001-6	CV-31244	N/A	N_2 SUPPLY TO ACC HCV	A	SP-2072-31	LT	R	#57a
SI	X-H-1001-6	CV-31511	33	N_2 SUPPLY TO 21 ACC ISOL	A	SP-2282 SP-2072-31	E LT	CS R	#57a
SI	X-H-1001-6	CV-31512	33	N_2 SUPPLY TO 22 ACC ISOL	A	SP-2282 SP-2072-31	E LT	CS R	#57a
SI	X-H-1001-6	MV-32168	33	2 RTR VESSEL INJ FROM RHR HT EXH ISOL	B	SP-2167	E	CS	
SI	X-H-1001-6	CV-31459	33	ACC AFTER CK TEST VLV	A	SP-2070	LT	R	#59, #69
SI	X-H-1001-6	CV-31461	33	ACC AFTER CK TEST VLV	A	SP-2070	LT	R	#59, #69
SI	X-H-1001-6	2SI-6-1	33	22 ACCUMULATOR OUTLET CHECK	C A	SP-2092C SP-2070	E LT	R R	#5, #7 #59
SI	X-H-1001-6	2SI-6-2	33	22 ACCUMULATOR OUTLET CHECK	C A	SP-2092C SP-2269	E LT	R R	#5, #7
SI	X-H-1001-6	2SI-6-3	33	21 ACCUMULATOR OUTLET CHECK	C A	SP-2092C SP-2070	E LT	R R	#5, #7 #59

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SI	X-H-1001-6	2SI-6-4	33	21 ACCUMULATOR OUTLET CHECK	C A	SP-2092C SP-2269	E LT	R R	#5, #7
SI	X-H-1001-6	2SI-9-1	33	SI TO LOOP B CL CHECK	C A	SP-2092A SP-2070	E LT	R R	#5, #7 #59
SI	X-H-1001-6	2SI-9-2	33	SI TO LOOP A CL CHECK	C A	SP-2092A SP-2070	E LT	R R	#5, #7 #59
SI	X-H-1001-6	2SI-9-3	33	LO HEAD SI TO RTR VESSEL CHECK	C A	SP-2092D SP-2070	E LT	R R	#5, #7 #59
SI	X-H-1001-6	2SI-9-4	33	LO HEAD SI TO RTR VESSEL CHECK	C A	SP-2092D SP-2070	E LT	R R	#5, #7 #59
SI	X-H-1001-6	2SI-9-5	33	LO HEAD SI TO RTR VESSEL CHECK	C A	SP-2092D SP-2070	E LT	R R	#5, #7 #59
SI	X-H-1001-6	2SI-9-6	33	LO HEAD SI TO RTR VESSEL CHECK	C A	SP-2092D SP-2070	E LT	R R	#5, #7 #59
SI	X-H-1001-6	2SI-16-4	33	SI TO LOOP B CL CHECK	C A	SP-2092A SP-2070	E LT	R R	#7 #59
SI	X-H-1001-6	2SI-16-5	33	SI TO LOOP A CL CHECK	C A	SP-2092A SP-2070	E LT	R R	#7 #59

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
SI	X-H-1001-6	2SI-16-6	33	SI TO RTR VESSEL CHECK	C A	SP-2092A SP-2070	E LT	R R	#7 #59
SI	X-H-1001-6	2SI-16-7	33	SI TO RTR VESSEL CHECK	C A	SP-2092A SP-2070	E LT	R R	#7 #59
SS	NF-39238	MV-32406	20	PRZR STEAM SPACE SAMPLE VALVE A	A	SP-2242 SP-2072-15	E LT	CS R	#57a
SS	NF-39238	MV-32407	20	PRZR STEAM SPACE SAMPLE VALVE B	A	SP-2242 SP-2072-15	E LT	CS R	#57a
SS	NF-39238	MV-32408	20	PRZR LIQUID SPACE SAMPLE VALVE A	A	SP-2242 SP-2072-16	E LT	CS R	#57a
SS	NF-39238	MV-32409	20	PRZR LIQUID SPACE SAMPLE VALVE B	A	SP-2242 SP-2072-16	E LT	CS R	#57a
SS	NF-39238	MV-32410	20	RCS HOT LEG SAMPLE A	A	SP-2242 SP-2072-17	E LT	CS R	#57a
SS	NF-39236	MV-32411	20	RCS HOT LEG SAMPLE B	A	SP-2242 SP-2072-17	E LT	CS R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST F	REQUEST OR RELIEF
VC	X-H-1001-4	2VC-8-4	31	22 RCP SEAL INJ CHECK	A	SP-2166 SP-2072-13B	E LT	CS R	#57a
VC	X-H-1001-4	2VC-8-5	31	21 RCP SEAL INJ CHECK	A	SP-2166 SP-2072-13A	E LT	CS R	#57a
VC	X-H-1001-4	2VC-14-2	31	22 RCP SEAL INJ THROTTLE VALVE	A	SP-2279 SP-2072-13B	E LT	CS R	#57a
VC	X-H-1001-4	2VC-14-1	31	21 RCP SEAL INJ THROTTLE VALVE	A	SP-2279 SP-2072-13A	E LT	CS R	#57a
VC	X-H-1001-1	MV-32210	31	SEAL RETURN CONTAINMENT ISOL	A	SP-2280 SP-2072-14	E LT	CS R	#57a
VC	X-H-1001-1	MV-32194	31	SEAL RETURN CONTAINMENT ISOL	A	SP-2280 SP-2072-14	E LT	CS R	#57a
VC	X-H-1001-1	2VC-8-1	31	CHARGE LN CHECK DOWNSTREAM A REGEN HX	A	SP-2288 SP-2072-12	E LT	CS R	#57a
VC	X-H-1001-1	CV-31430	31	LETDOWN CNTMT ISOL	A	SP-2162 SP-2072-11	E LT	CS R	#57a
VC	X-H-1001-1	CV-31347	31	LETDOWN ORIFICE ISOL	A	SP-2162 SP-2072-11	E LT	CS R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
VC	X-H-1001-4	CV-31348	31	LETDOWN ORIFICE ISOL	A	SP-2162 SP-2072-11	E LT	CS R	#57a
VC	X-H-1001-4	CV-31349	31	LETDOWN ORIFICE ISOL	A	SP-2162 SP-2072-11	E LT	CS R	#57a
VC	X-H-1001-5	2VC-7-11	32	CHG LINE HCV ISOL	A	SP-2281 SP-2072-12	E LT	CS R	#57a
VC	X-H-1001-5	2VC-7-10	32	CHG LINE HCV BYPASS	A	SP-2281 SP-2072-12	E LT	CS R	#57a
VC	X-H-1001-5	CV-31211	32	CHG LINE HCV	A	SP-2281 SP-2072-12	E LT	CS R	#57a
VC	X-H-1001-5	2VC-28-1	32	21 CHG PUMP DISCH RELIEF	C	SP-2154.10	SP	5Y	
VC	X-H-1001-5	2VC-28-2	32	22 CHG PUMP DISCH RELIEF	C	SP-2154.10	SP	5Y	
VC	X-H-1001-5	2VC-28-3	32	23 CHG PUMP DISCH RELIEF	C	SP-2154.10	SP	5Y	
VC	X-H-1001-4	2VC-25-1	31	RCP SEAL WATER FILTER LINE RELIEF	C	SP-2154(1B)	SP	5Y	
VC	X-H-1001-4	2VC-26-1	31	LETDOWN LINE RELIEF	C	SP-2154(1A)	SP	5Y	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
VC	X-H-1001-4	2VC-8-7	31	21 RCP SEAL LINE CHECK	C	SP-2166	E	CS	
VC	X-H-1001-4	2VC-8-6	31	22 RCP SEAL LINE CHECK	C	SP-2166	E	CS	
VC	X-H-1001-4	2VC-8-2	31	CHARGE LN CHECK DWNSTRM REGEN HX	C	SP-2237 SP-2072(12)	E E	CS R	
VC	X-H-1001-3	CV-31230	31	2 REAC CLNT LOOP PZR LTDN LN ISOL	B	SP-2162	E	CS	
VC	X-H-1001-3	CV-31279	31	2 REAC CLNT LOOP PZR LTDN LN ISOL	B	SP-2152	E	CS	
VC	X-H-1001-4	2VC-17-1	31	CHARGE LN CV-31420 BYPASS CHECK	C	SP-2237	E	CS	
WL	X-H-1-12?	CV-31735	N/A	RCDT PUMP DISCH CNTMT ISOL	A	SP-2283 SP-2072-5	E LT	CS R	#57a
WL	X-H-1-123	CV-31736	N/A	RCDT PUMP DISCH CNTMT ISOL	A	SP-2283 SP-2072-5	E LT	CS R	#57a
WL	X-H-1-123	CV-31733	N/A	RCDT TO VH CONTAINMENT ISOL	A	SP-2284 SP-2072-4A	E LT	CS R	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
WL	X-H-1-123	CV-31734	N/A	RCDT TO VH CNTMT ISOL	A	SP-2284 SP-2072-4A	E LT	CS R	#57a
WL	X-H-1-123	CV-31731	N/A	RCDT TO GA CNTMT ISOL	A	SP-2285 SP-2072-21	E LT	CS R	#57a
WL	X-H-1-123	CV-31732	N/A	RCDT TO GA CNTMT ISOL	A	SP-2285 SP-2072-21	E LT	CS R	#57a
WL	NF-39248	CV-31619	N/A	SUMP A DISCH CNTMT ISOL	A	SP 2286 SP-2072-26	E LT	CS R	#57a
WL	NF-39248	CV-31620	N/A	SUMP A DISCH CNTMT ISOL	A	SP-2286 SP-2072-26	E LT	CS R	#57a
ZP	NF-36902-2	CV-31314	N/A	INSERVICE PURGE EXH ISOL B	A	NOTE-4	—	—	#57a
ZP	NF-36902-2	CV-31315	N/A	INSERVICE PURGE EXH ISOL A	A	NOTE-4	—	—	#57a
ZP	NF-36902-2	CV-31635	N/A	INSERVICE PURGE SUPPLY ISOL B	A	NOTE-4	—	—	#57a

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
ZP	NF-39602-2	CV-31636	N/A	INSERVICE PURGE SUPPLY ISOL A	A	NOTE-4	—	—	#57a
ZP	NF-39602-2	CV-31627	N/A	CNTMT VAC BKR PWR OP	A	SP-2130 SP-2072-41A	E LT	Q R	#57a
ZP	NF-39602-2	CV-31630	N/A	CNTMT VAC BKR GRAV OP (CHECK VALVE)	A	SP-2130 SP-2072-41A	E LT	Q R	#57a
ZP	NF-39602-2	CV-31628	N/A	CNTMT VAC BKR PWR OP	A	SP-2130 SP-2072-41B	E LT	Q R	#57a
ZP	NF-39602-2	CV-31631	N/A	CNTMT VAC BKR GRAV OP (CHECK VALVE)	A	SP-2130 SP-2072-41B	E LT	Q R	#57a
ZX	NF-86172-1	CV-39413	41	COOLING WATER TO 22 AND 24 FCU	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39415	41	COOLING WATER TO 21 AND 23 FCU	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39421	41	COOLING WATER FROM 22 AND 24 FCU	B	SP-1245	E	Q	

ASME CODE VALVES

SYS	FLOW DIAGRAM	VALVE NO	CLASS DWG	DESCRIPTION	VLV CAT	TEST PROC	TEST TYPE	TEST FREQ	REQUEST FOR RELIEF
ZX	NF-86172-1	CV-39423	41	COOLING WATER FROM 21 AND 23 FCU	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39414	41	22, 24 FCU CHILLED WTR SUPPLY CV	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39422	41	22, 24 FCU CHILLED WTR SUPPLY CV	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39416	41	21, 23 FCU CHILLED WTR SUPPLY CV	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39424	41	21, 23 FCU CHILLED WTR SUPPLY CV	B	SP-1245	E	Q	
ZX	NF-86172-1	CV-39419	41	21 SHROUD CLG COILS TR A CHLD WTR SUPPLY CV	B	SP-2297	E	Q	
ZX	NF-86172-1	CV-39420	41	21 SHROUD CLG COILS TR A CHLD WTR RETURN CV	B	SP-2297	E	Q	
ZX	NF-86172-1	CV-39417	41	22 SHROUD CLG COILS TR B CHLD WTR SUPPLY CV	B	SP-2297	E	Q	
ZX	NF-86172-1	CV-39418	41	22 SHROUD CLG COILS TR B CHLD WTR RETURN CV	B	SP-2297	E	Q	

SECTION 2.5 REQUESTS FOR RELIEF FROM ASME CODE SECTION XI REQUIREMENTS DETERMINED TO BE IMPRACTICAL
UNIT NO. 2

This section contains a tabulation of all the requirements contained in Section XI of the ASME Code that we have determined are impractical on Unit 2 and common components.

The numbering system used parallels Section 1.5 of this report (Unit No. 1 Requests for Relief) with the following exceptions:

Request for Relief No.	Remarks
4	Not used
6	Withdrawn
10	Not used
15	Not used
17	Withdrawn
18 - 20	Withdrawn
22	Withdrawn
23	Not used
32	Withdrawn
34	Not used
35	Withdrawn
36 - 37	Not used
38 - 39	Withdrawn
40 - 41	Not used
42 - 44	Withdrawn
46 - 47	Withdrawn
49	Not used
51	Withdrawn
53	Withdrawn
55	Withdrawn
57c	Withdrawn
58	Withdrawn
61	Not used
62	Withdrawn
64 - 67	Withdrawn

9. REQUEST FOR RELIEF

COMPONENT	FUNCTION	ASME	
		Code Class	Vlv Cat
SV-33992 21 Post LOCA H_2 Containment Vent	Open to allow dilution of cntmt atmos	2	B
SV-33993 22 Post LOCA H_2 Containment Vent	Open to allow dilution of cntmt atmos	2	B
CV-31418 21 MD Aux Fd Pmp Oil Cir Clng Water Inlet	Open to supply feed pump oil cooler	3	B
CV-31419 22 TD Aux Fd Pmp Oil Cir Clng Water Inlet	Open to supply feed pump oil cooler	3	B

CODE REQUIREMENT

Stroke time of the power operated valves will not be measured as required by IWV-3413.

BASIS

The power operated valves are fast acting and lacking indication at the controlling switch, therefore, stroke timing described in IWV-3413 will not provide the repeatability necessary to measure component operability.

SV-33992 and 33993 - Post LOCA H_2 Containment Vent

Valves operating time cannot be measured. Valves open on a signal from a limit switch on a motor operated valve, the operating time of the SV is in milliseconds, (about two orders of magnitude less than the MV cycling time), the SV's moving parts are totally enclosed, and the SV is not easily accessible. Therefore, because the valve cycling time is shorter than the actuating time and there is no means to tell when the valve has closed, stroke timing would be meaningless measure of operability. However, testing will verify air flow through the valve has stopped when the valve is operated.

CV-31418 and 31419 - Aux Feedwater Pump Oil Cooler Cooling Water Inlet Valve

Valves receive an open signal from the pump start circuitry which is done remotely. Valves will be coarse timed using a watch second hand or other device to determine valves open in less than 2 seconds. Opening will be determined by local observation of valve movement.

SCHEDULE FOR IMPLEMENTATION

Six months from the submittal date of April 19, 1983.

70. REQUEST FOR RELIEF

COMPONENT	FUNCTION	ASME CODE CLASS	ASME VALVE CAT
2SI-26-1 RHR Vessel Injection Relief Valve	Protects RHR heat exchanger supply line to vessel from overpressure	2	C

CODE REQUIREMENT

The relief valve setpoint will not be tested at the frequency required by IWV-3511 in the 1980 Winter 1981 Addenda of the ASME Code.

BASIS

To test this valve's setpoint either by testing in place or bench testing, requires removing one loop of the RHR system from service. The RHR system is necessary for safe plant operation during all modes of reactor operation except when the reactor core is unloaded. To maintain RHR reliability and safely test this valve, fuel should not be in the reactor vessel.

The core is unloaded every ten years for the hydro. This valve was tested during the last core offload in September 1985. The valve functioned satisfactorily. The next core offload is scheduled for 1995 or 1996.

The 1986 ASME Code requires this valve to be tested once per 10 years. The Third Ten Year Interval Inservice Testing Program begins in December 1994 and will be updated to 1986 Code.

Unit 1 has an identical valve performing the same function. The Unit 1 valve was last tested in 1991, and functioned satisfactorily.

ALTERNATE INSPECTION (TESTING)

The valve will be tested when the core is unloaded, but not more frequently than once every five years.

SCHEDULE FOR IMPLEMENTATION

1992 Refueling outage.

Attachment 3

Relief Request No. 9

Unit 1 pp 1.5-15 thru 1.5-17

Unit 2 p 2.5-12

9 REQUEST FOR RELIEF

COMPONENT	FUNCTION	ASME	
		Code Class	Viv Cat
SV-33133 Clg Water to 121 Safeguards Travel S rn	Open to flush traveling screen	3	B
SV-33134 Clg Wate: to 122 Safeguards Travel Scrn	Open to flush traveling screen	3	B
SV-33464 122 DD Cing Water Pump Air Motor SV A	Open to supply starting air for diesel cing wtr pump	3	B
SV-33465 12 DD Cing Water Pump Air Motor SV B	Open to supply starting air for diesel cing wtr pump	3	B
SV-33466 22 DD Cing Water Pump Air Motor SV A	Open to supply starting air for diesel cing wtr pump	3	B
SV-33467 22 DD Cing Water Pump Air Motor SV B	Open to supply starting air for diesel cing wtr pump	3	B
CV-31953 D1 Diesel Generator Air Start A	Open to supply starting air for diesel generator	3	B
CV-31954 D1 Diesel Generator Air Start B	Open to supply starting air for diesel generator	3	B
CV-31955 D2 Diesel Generator Air Start A	Open to supply starting air for diesel generator	3	B
CV-31956 D2 Diesel Generator Air Start B	Open to supply starting air for diesel generator	3	B
SV-33990 11 Post LOCA H_2 Containment Vent	Close to allow dilution of containment atmos	2	B
SV-33991 12 Post LOCA H_2 Containment Vent	Close to allow dilution of containment atmos	2	B
CV-31423 12 DD Cing Water Pump Jckt Clr Outlet	Open to supply diesel jacket cooling system	3	B
CV-31457 22 DD Cing Water Pump Jckt Clr Outlet	Open to supply diesel jacket cooling system	3	B
CV-31154 12 MD Aux Fd Pump Oil Clr Cing Wtr Inlt	Open to supply feed pump oil cooler	3	B
CV-31153 11 TD Aux Fd Pump Oil Clr Cing Wtr Inlt	Open to supply feed pump oil cooler	3	B
SV-33728 121 Cont Room Water Chlr Mtr Clr	Open to supply chiller motor cooler	3	B
SV-33766 122 Cont Room Water Chlr Mtr Clr	Open to supply chiller motor cooler	3	B

CODE REQUIREMENT

Stroke time of the power operated valves will not be measured as required by IWV-3413.

9. REQUEST FOR RELIEF (cont'd)

BASIS

The power operated valves are fast acting and lacking indication at the controlling switch, therefore, stroke timing described in IWV-3413 will not provide the repeatability necessary to measure component operability.

ALTERNATE INSPECTION (TESTING)

SV-31333 and SV-33134 - Clg water to 121 Safeguards Travel Scrn.

Valves will be coarse timed using a watch second hand or other device to determine valves open in less than 2 seconds. Opening will be determined by increased pressure downstream of the valve.

SV-33464, 33465, 33466, and 33467 - Diesel Cooling Water Pump Air Motor Solenoid Valves.

Valves are part of the diesel cooling water pump system whose overall operability is determined by start timing, and this timing will be used to determine the operability of the solenoid valves. Because the SV's are paired to the diesel one could fail and the diesel would still start. The Air Motor individual exhausts will be checked to verify that the individual solenoids are operable.

CV-31954, 31955, 31956, and 31957 - Diesel Generator Air Start Control Valves

Valves are part of the diesel generator system whose overall operability is determined by start timing and this timing will be used to determine the operability of the control valves. Because the CV's are paired to the diesel, one could fail and the diesel would still start. The stroking of these valves will be observed locally to ensure that both valves function together and open within 2 seconds.

SV-33990 and 33991 - Post LOCA H Containment Vent

Valves operating time cannot be measured. Valves open on a signal from a limit switch on a motor operated valve, the operating time of the SV is in milliseconds, (about two orders of magnitude less than the MV cycling time) and the SV's moving parts are totally enclosed, and the SV is not easily accessible. Therefore, because the valve cycling time is shorter than the actuating time and there is no means to tell when the valve has closed, stroke timing would be a meaningless measure of operability. However, testing will verify air flow through the valve has stopped when the valve is operated.

CV-31423 and 31457 - Diesel Cooling Water Pump Jacket Cooler Outlet

These valves open on Diesel Cooling Water Pump start, therefore, it is very difficult to obtain the repeatability necessary to make the stroke timing of the valve a meaningful measurement. The smooth operation of the valve will be observed locally. Additionally the valve will be stroked timed after the diesel cooling water pump annual PM.

CV-31154 and 31153 - Aux Feedwater Pump Oil Cooler Cooling Water Inlet Valve

Valves receive an open signal from the pump start circuitry which is done remotely. Valves will be coarse timed using a watch second hand or other device to determine valves open in less than 2 seconds. Opening will be determined by local observation of valve movement.

9. REQUEST FOR RELIEF (cont'd)

SV-33728 and 33766 - Control Room Water Chiller Motor Cooler

Valves are open/close solenoid valves. The valve stem is not accessible and the valve operating time is on the order of milliseconds. Noise in the area prevents hearing the valve operating. One Control Room Chiller is operating at all times and these chillers are alternated weekly. Failure of the SV to open will be indicated by a rise in motor temperature. This failure would then be known by a Control Room alarm.

SCHEDULE FOR IMPLEMENTATION

Six months from the submittal date of April 19, 1983.

9. REQUEST FOR RELIEF

COMPONENT	FUNCTION	ASME	
		Code Class	Vlv Cat
SV-33992 21 Post LOCA H_2 Containment Vent	Open to allow dilution of cntmt atmos	2	B
SV-33993 22 Post LOCA H_2 Containment Vent	Open to allow dilution of cntmt atmos	2	B
CV-31418 21 MD Aux Fd Pmp Oil Cir Clng Water Inlet	Open to supply feed pump oil cooler	3	B
CV-31419 22 TD Aux fd Pmp Oil Cir Clng Water Inlet	Open to supply feed pump oil cooler	3	B

CODE REQUIREMENT

Stroke time of the power operated valves will not be measured as required by IWV-3413.

BASIS

The power operated valves are fast acting and lacking indication at the controlling switch, therefore, stroke timing described in IWV-3413 will not provide the repeatability necessary to measure component operability.

SV-33992 and 33993 - Post LOCA H_2 Containment Vent

Valves operating time cannot be measured. Valves open on a signal from a limit switch on a motor operated valve, the operating time of the SV is in milliseconds, (about two orders of magnitude less than the MV cycling time), the SV's moving parts are totally enclosed, and the SV is not easily accessible. Therefore, because the valve cycling time is shorter than the actuating time and there is no means to tell when the valve has closed, stroke timing would be meaningless measure of operability. However, testing will verify air flow through the valve has stopped when the valve is operated.

CV-31418 and 31419 - Aux Feedwater Pump Oil Cooler Cooling Water Inlet Valve

Valves receive an open signal from the pump start circuitry which is done remotely. Valves will be coarse timed using a watch second hand or other device to determine valves open in less than 2 seconds. Opening will be determined by local observation of valve movement.

SCHEDULE FOR IMPLEMENTATION

Six months from the submittal date of April 19, 1983.