

JULY 1992 ADDENDA
COOPER NUCLEAR STATION

**INSERVICE TESTING PROGRAM FOR
ASMF CLASS 1, 2, AND 3 COMPONENTS (REVISION 6)**

DATE OF ISSUE: JULY 31, 1992

This is an addenda to the loose-leaf version of the Inservice Testing Program, Revision 6, and is issued in the form of replacement or additional pages which contain changes, additions, or deletions.

SUMMARY OF CHANGES

This is the second addenda to be published to the Inservice Testing Program, Revision 6. Changes listed below are identified on the affected program pages by a margin note (i.e., 7/92) adjacent to the affected area, with the exception of pump or valve summary listing pages.

AFFECTED PAGE(S)	DESCRIPTION
31	Changed valve CIC HPCI-AOV-A018 to HPCI-CV-29CV and the word TESTABLE to INJECTION in the NOTES/DESCRIPTION column. Valve's air operator was removed per DC 89-180A.
33	Deleted valve HPCI-MOV-M057, including associated valve information. This valve was removed from plant per DC 89-180A.
34	Deleted valve HPCI-AOV-A043, including associated valve information. This valve does not perform a safety-related function, and therefore, not required to be tested.
35	Changed valve CIC RCIC-AOV-A022 to RCIC-CV-26CV and the check valve description to INJECTION CHECK VALVE in the NOTES/DESCRIPTION column. Valve's air operator was removed per DC 89-180A.
37	Deleted valve RCIC-MOV-M017, including associated valve information. This valve was removed from plant per DC 89-180A.
38	Deleted valve RCIC-AOV-A035, including associated valve information. This valve does not perform a safety-related function, and therefore, not required to be tested.
39	Added RV-57 in the NOTES/DESCRIPTION column for valves RV-CV-14CV and RV-CV-16CV. A new relief request was written for these valves.
42, 43	Changed the 1 to a 3 in the ISI CLASS column for valves MS-CV-20CV through MS-CV-35CV. Valves were inadvertently assigned ISI Class 1.
46	Deleted the O and added a Q in the TEST FREQ column for valve RW-AOV-A094. Typographical error.

AFFECTED PAGE(S)	DESCRIPTION
59	Deleted valve REC-AOV-TCV863, including associated valve information. Valve was removed from plant per DC 88-201C.
61	Changed the word AIR to OIL and (DGSA) to (DGDO) in the 1 st in heading. Typographical error.
75	For valves SGT-CV-10CV, SGT-CV-14CV, and SGT-CV-15CV: changed CTCO to CTCP and added a CTCO in the TEST RQMT column; added a CS in the TEST FREQ column; added a TJV-14 in the NOTES/DESCRIPTION column. Determined full flow open testing can only be performed at cold shutdown.
79	Changed the 2 to a 1 in the Approval Note column for RR No. RV-28. Mechanical exercising during refueling outages is being performed in lieu of the disassembly/inspection method. Mechanical exercising during outages (original version of relief request RV-28) was previously approved by virtue of GL 89-04.
81	A new relief request, RR No. RV-57, including Description and Approval Note was added to the Relief Request listing. A new relief request (RV-57) is being added to the IST Program.
82	Changed HPCI-AOV-A018 to HPCI-CV-29CV and RCIC-AOV-A022 to RCIC-CV-26CV in the Description column for TJ No. TJV-13. Valve identification was changed due to DC 89-180A.
82	A new technical justification, TJ No. TJV-14, including Description was added to the Technical Justifications listing. A new technical justification (TJV-14) is being added to the IST Program.
118	Changed CLASS: 2 to CLASS: 3. Inadvertently assigned Class 2.
118	Revised the ALTERNATIVE TEST section to indicate that the valves will be mechanically exercised (in lieu of disassembly, inspection, and manually exercised) during each refueling outage. Disassembly, inspection, and manual exercising is not necessary since the valves are capable of being exercised mechanically.
143	Changed HPCI-AOV-A018 to HPCI-CV-29CV in the VALVE section. Valve identification was changed due to DC 89-180A.
143A	Added new relief request RV-57 for disassembly, inspection, and manually exercising in lieu of full flow open exercising of check valves RF-CV-14CV and RF-CV-16CV when required for post-maintenance testing later in a refueling outage. This is required due to the restrictive conditions that exist which prevent full flow open exercising later in an outage.
150	Changed HPCI-AOV-A018 to HPCI-CV-29CV and RCIC-AOV-A022 to RCIC-CV-26CV in the VALVE and FUNCTION sections. Valve identification was changed due to DC 89-180A.
151	Added new technical justification TJV-14 to document cold shutdown testing (in lieu of quarterly) of valves SGT-CV-10CV, 14CV, and 15CV. Full flow open exercising was determined impractical at plant power operations.

VALVE CIC	P&ID	P&ID COORD.	ISI CLASS	IST CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	NOTES/DESCRIPTION
HPCI-MOV-MO15	2041	D5	1	A	10	GA	MO	0	AT-1 BTO BTC PIT	RR Q Q 2YR	STEAM SUPPLY INBOARD ISOLATION RV-01, RV-45, RV-56
HPCI-MOV-MO16	2041	D4	1	A	10	GA	MO	0	AT-1 BTO BTC PIT	RR Q Q 2YR	STEAM SUPPLY OUTBOARD ISOLATION RV-01, RV-45, RV-56
HPCI-CV-29CV	2044	C9	1	A,C	14	CK-S	SA	C	AT-1 CTCO CTCC PIT	RR CS CS 2YR	INJECTION CHECK VALVE RV-01, RV-45, RV-56, TJV-13
HPCI-MOV-MO19	2044	C8	2	B	14	GA	MO	C	BTO PIT	Q 1YR	HPCI INJECTION
HPCI-MOV-MO25	2044	D7	2	A	4	GL	MO	C	AT-1 BTO BTC PIT	RR Q Q 2Y	HPCI PUMP MINIMUM FLOW BYPASS LINE ISOLATION RV-01, RV-45
HPCI-MOV-MO58	2044	G10	2	A	16	GA	MO	C	AT-1 BTO BTC PIT	RR Q Q 2Y	HPCI PUMP SUCTION FROM SUPPRESSION POOL RV-01, RV-56
HPCI-AOV-AO70	2044	E9	2	A	1	BAC	AO	C	AT-1 BTO BTC PIT	RR Q Q 2Y	HPCI EXHAUST BOOTLEG DRAIN INBOARD RV-01, RV-45
HPCI-AOV-AO71	2044	E9	2	A	1	BAC	AO	C	AT-1 BTC PIT	RR Q Q 2Y	HPCI EXHAUST BOOTLEG DRAIN OUTBOARD RV-01, RV-45

VALVE CIC	P&ID	P&ID COORD.	ISI CLASS	IST CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	NOTES/DESCRIPTION
HPCI-CV-18CV	2044	B3	2	C	2	CK-P	SA	C	CTCC	Q	CONDENSATE SUPPLY TO HPCI SYSTEM RV-16
HPCI-CV-19CV	2044	B8	2	C	2	CK-P	SA	C	CTCC	Q	CONDENSATE SUPPLY TO HPCI SYSTEM RV-16
HPCI-V-44	2044	D9	D	A,C	20	SCK	M	O	AT-1 CTCO CTCC	RR Q RR	HPCI TURBINE EXHAUST TO SUPPRESSION POOL ISOLATION RV-21, RV-01, RV-45, RV-56
HPCI-V-50	2044	F9	D	A,C	2	SCK	M	O	AT-1 CTCC	RR RR	HPCI TURBINE DRAIN TO SUPPRESSION POOL ISOLATION RV-21, RV-01, RV-45
HPCI-MOV-MO20	2044	C8	2	B	14	GA	MO	O	BTO PI1	Q 2Y	HPCI PUMP DISCHARGE
HPCI-MOV-MO21	2044	D3	2	B	10	GL	MO	C	BTC PIT	Q 2Y	HPCI PUMP TEST BYPASS TO EMERGENCY CONDENSATE STORAGE
HPCI-MOV-MO24	2044	E3	2	B	10	GA	MO	O	BTC PIT	Q 2Y	HPCI PUMP TEST BYPASS REDUNDANT SHUTOFF
HPCI-CV-24CV	2044	E10	2	C	2	CK-P	SA	C	CTCO	RR	HPCI EXHAUST VACUUM BREAKER RV-22
HPCI-CV-25CV	2044	E11	2	C	2	CK-P	SA	C	CTCO	RR	HPCI EXHAUST VACUUM BREAKER RV-22
HPCI-CV-26CV	2044	E10	2	C	2	CK-F	SA	C	CTCO	RR	HPCI EXHAUST VACUUM BREAKER RV-22

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VALVE CIC	P&ID	P&ID COORD.	ISI CLASS	IST CAT	VA'VE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	NOTES/DESCRIPTION
RCIC-MOV-MO15	2041	D6	1	A	3	GA	MO	O	AT-1 BTO BTC PIT	RR Q Q 2YR	RCIC STEAM INBOARD ISOLATION RV-01, RV-45
RCIC-MOV-MO16	2041	D7	1	A	3	GA	MO	O	AT-1 BTO BTC PIT	RR Q Q 2YR	RCIC STEAM OUTBOARD ISOLATION RV-01, RV-45
RCIC-MOV-MO27	2043	D7	2	A	2	GL	MO	C	AT-1 BTO BTC PIT	RR Q Q 2Y	RCIC PUMP MINIMUM FLOW RECIRC TO TORUS RV-01, RV-45
RCIC-MOV-MO41	2043	G10	2	A	6	GA	MO	O	AT-1 BTO BTC PIT	RR Q Q 2Y	RCIC SUPPLY FROM TORUS RV-01, RV-56
RCIC-CV-26CV	2043	C9	1	A,C	4	CK-S	SA	O	AT-1 CTCO CTCC PIT	RR CS CS 2YR	INJECTION CHECK VALVE RV-01, RV-45, TJV-13
RCIC-MOV-MO21	2043	C8	2	B	4	GA	MO	C	BTO PIT	Q 2Y	RCIC INJECTION TO REACTOR
RCIC-MOV-MO18	2043	J3	2	B	6	GA	MO	O	BTO BTC PIT	Q Q 2Y	RCIC SUPPLY FROM CONDENSATE STORAGE
RCIC-MOV-MO131	2041	F8	2	B	3	GL	MO	C	BTO PIT	Q 2Y	RCIC STEAM SUPPLY TO RCIC TURBINE
RCIC-MOV-MO132	2043	E3	2	B	2	GL	MO	C	BTO PIT	Q 2Y	AUXILIARY COOLING SUPPLY

VALVE CIC	P&ID	P&ID COORD.	ISI CLASS	IST CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	NOTES/DESCRIPTION
RCIC-V-37	2043	D9	2	A,C	8	SCK	M	O	AT-1 CTCO CTCC	RR Q RR	RCIC TURBINE EXHAUST TO TORUS ISOLATION RV-25, RV-01, RV-45, RV-56
RCIC-V-42	2043	G9	2	A,C	2	SCK	M	O	AT-1 CTCC	RR RR	RCIC VACUUM PUMP DISCHARGE TO TORUS ISOLATION RV-25, RV-01, RV-45
RCIC-RV-10RV	2043	H3	2	C	1	RV	SA	C	CTSR	5Y	RCIC PUMP SUCTION RELIEF VALVE
RCIC-RV-11RV	2043	G5	2	C	1	RV	SA	C	CTSR	5Y	RCIC AUXILIARY COOLING SYSTEM
RCIC-CV-22CV	2043	E10	2	C	1 1/2	CK-L	SA	C	CTCO	RR	RCIC VACUUM BREAKER RV-26
RCIC-CV-23CV	2043	E10	2	C	1 1/2	CK-L	SA	C	CTCO	RR	RCIC VACUUM BREAKER RV-26
RCIC-CV-24CV	2043	E10	2	C	1 1/2	CK-L	SA	C	CTCO	RR	RCIC VACUUM BREAKER RV-26
RCIC-CV-25CV	2043	E10	2	C	1 1/2	CK-L	SA	C	CTCO	RR	RCIC VACUUM BREAKER RV-26
RCIC-MOV-M020	2043	C8	2	B	4	GA	MO	O	BTO PIT	Q 2Y	RCIC PUMP DISCHARGE
RCIC-MOV-M030	2043	E1	2	B	4	GL	MO	C	BTC PIT	Q 2Y	RCIC TEST RETURN ROOT

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VALVE CIC	P&ID	P&ID COORD.	ISI CLASS	IST CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	NOTES/DESCRIPTION
MS-RV-71FRV	2028	D9	1	C,B	6	RV	AO	C	CTSR BTO PIT	5Y RR 2YR	SAFETY RELIEF VALVE MAIN STEAM LINE C RV-27
MS-RV-71GRV	2028	E9	1	C,B	6	RV	AO	C	CTSR BTO PIT	5Y RR 2YR	SAFETY RELIEF VALVE MAIN STEAM LINE D RV-27
MS-RV-71HRV	2028	E9	1	C,B	6	RV	AO	C	CTSR BTO PIT	5Y RR 2YR	SAFETY RELIEF VALVE MAIN STEAM LINE D RV-27
MS-CV-20CV	2028	C11	3	C	10	CK-S	SA	C	CTCO	RR	71A RV DISCHARGE VACUUM BREAKER VB 71 A1 RV-28
MS-CV-21CV	2028	C11	3	C	10	CK-S	SA	C	CTCO	RR	71A RV DISCHARGE VACUUM BREAKER VB 71 A2 RV-28
MS-CV-22CV	2028	C11	3	C	10	CK-S	SA	C	CTCO	RR	71B RV DISCHARGE VACUUM BREAKER VB 71 B1 RV-28
MS-CV-23CV	2028	C11	3	C	10	CK-S	SA	C	CTCO	RR	71B RV DISCHARGE VACUUM BREAKER VB 71 B2 RV-28
MS-CV-24CV	2028	D11	3	C	10	CK-S	SA	C	CTCO	RR	71C RV DISCHARGE VACUUM BREAKER VB 71 C1 RV-28
MS-CV-25CV	2028	D11	3	C	10	CK-S	SA	C	CTCO	RR	71C RV DISCHARGE VACUUM BREAKER VB 71 C2 RV-28
MS-CV-26CV	2028	D11	3	C	10	CK-S	SA	C	CTCO	RR	71D RV DISCHARGE VACUUM BREAKER VB 71 D1; RV-28

SYSTEM: MAIN STEAM (MS)

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VALVE CIC	P&ID	P&ID COORD.	ISI CLASS	IST CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	NOTES/DESCRIPTION
MS-CV-27CV	2028	D11	3	C	10	CK-S	SA	C	CTCO	RR	71D RV DISCHARGE VACUUM BREAKER VB 71 D2 RV-28
MS-CV-28CV	2028	D9	3	C	10	CK-S	SA	C	CTCO	RR	71E RV DISCHARGE VACUUM BREAKER VB 71 E1 RV-28
MS-CV-29CV	2028	D9	3	C	10	CK-S	SA	C	CTCO	RR	71E RV DISCHARGE VACUUM BREAKER VB 71 E2 RV-28
MS-CV-30CV	2028	D9	3	C	10	CK-S	SA	C	CTCO	RR	71F RV DISCHARGE VACUUM BREAKER VB 71 F1 RV-28
MS-CV-31CV	2028	D9	3	C	10	CK-S	SA	C	CTCO	RR	71F RV DISCHARGE VACUUM BREAKER VB 71 F2 RV-28
MS-CV-32CV	2028	E9	3	C	10	CK-S	SA	C	CTCO	RR	71G RV DISCHARGE VACUUM BREAKER VB 71 G1 RV-28
MS-CV-33CV	2028	E9	3	C	10	CK-S	SA	C	CTCO	RR	71G RV DISCHARGE VACUUM BREAKER VB 71 G2 RV-28
MS-CV-34CV	2028	E9	3	C	10	CK-S	SA	C	CTCO	RR	71H RV DISCHARGE VACUUM BREAKER VB 71 H1 RV-28
MS-CV-35CV	2028	E9	3	C	10	CK-S	SA	C	CTCO	RR	71H RV DISCHARGE VACUUM BREAKER VB 71 H2 RV-28

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VALVE CIC	P&ID	P&ID COORD.	ISI CLASS	IST CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	NOTES/DESCRIPTION
REC-MOV-709MV	2031 SH 1	G3	4	B	8	GA	MO	O	BTC PIT	Q 2Y	DRYWELL RETURN ISOLATION
REC-MOV-711MV	2031 SH 2	C4	4	B	6	GA	MO	C	BTO BTC PIT	Q Q 2Y	SOUTH CRITICAL LOOP SUPPLY
REC-MOV-712MV	2031 SH 2	E3	4	B	12	BTF	MO	C	BTO BTC PIT	Q Q 2Y	REC HX B SUPPLY
REC-MOV-713MV	2031 SH 2	D3	4	B	12	BTF	MO	C	BTO BTC PIT	Q Q 2Y	REC HX A SUPPLY
REC-MOV-714MV	2031 SH 2	D4	4	B	6	GA	MO	C	BTO BTC PIT	Q Q 2Y	NORTH CRITICAL LOOP SUPPLY
REC-MOV-721MV	2031 SH 2	H1	4	B	12	BTF	MO	C	BTO BTC PIT	Q Q 2Y	NORTH CRITICAL RETURN TO REC-P-A AND REC-P-B
REC-MOV-722MV	2031 SH 2	H2	4	B	12	BTF	MO	C	BTO BTC PIT	Q Q 2Y	NORTH CRITICAL RETURN TO REC-P-C AND REC-P-D
REC-MOV-1329MV	2031 SH2	C2	4	B	8	GA		O	BTC PIT	Q 2Y	A&W BLDG. SUPPLY
REC-AOV-TCV861	2031 SH2	C10	4	B	1	GL	AO	C	FST	Q	FC-R-E INLET-CS PUMP ROOM SE
REC-AOV-TCV862	2031 SH2	C9	4	B	1 1/4	GL	AO	C	FST	Q	FC-R-H INLET-RHR PUMP ROOM SE

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VALVE CIC	PEID SGT	PEID COORD.	ISI CLASS	IST CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	NOTES/DESCRIPTION
SGT-AOV-249AV	2037	C2	4	B	12	BTF	AO	C	BTO FST PIT	Q Q 2Y	SGT UNIT A INLET
SGT-AOV-250AV	2037	C2	4	B	12	BTF	AO	C	BTO FST PIT	Q Q 2Y	SGT UNIT B INLET
SGT-AOV-251AV	2037	C6	4	B	12	BTF	AO	C	BTC BTO FST PIT	Q Q Q 2Y	SGT UNIT A DISCHARGE
SGT-AOV-252AV	2037	G6	4	B	12	BTF	AO	C	BTC BTO FST PIT	Q Q Q 2Y	SGT UNIT B DISCHARGE
SGT-CV-19CV	2037	F1	4	C	12	CK-W	SA	C	CTCP CTCO	Q CS	SGT SUCTION FROM REACTOR BLDG. EXHAUST; TJV-14
SGT-CV-14CV	2037	C6	4	C	10	CK-W	SA	C	CTCP CTCO	Q CS	SGT UNIT A FAN EXHAUST TJV-14
SGT-CV-15CV	2037	G6	4	C	10	CK-W	SA	C	CTCP CTCO	Q CS	SGT UNIT B FAN EXHAUST TJV-14
SGT-AOV-DPCV 546A	2037	C7	3	B	10	BTF	AO	O	FST	Q	SGT UNIT A DISCHARGE DPCV
SGT-AOV-DPCV 546B	2037	E7	3	B	10	BTF	AO	O	FST	Q	SGT UNIT B DISCHARGE DPCV
SGT-AOV-270AV	2037	C1	4	B	10	BTF	AO	O	BTO FST PIT	Q Q 2Y	SGT UNIT A DILUTION AIR SHUTOFF

RELIEF REQUESTS (Continued)

<u>RR No.</u>	<u>Description</u>	<u>Approval</u> <u>Rate</u>
RV-08	Withdrawn	
RV-09	Withdrawn	
RV-10	Withdrawn	
RV-11	Excess Flow Check Valves Testing Relief	1
RV-12	Withdrawn	
RV-13	Withdrawn	
RV-14	Core Spray Pressure Maintenance Check Valves Testing to the Closed Position (CS-CV-12CV, 13, 14, and 15)	1
RV-15	RHR Pressure Maintenance Check Valves Testing to the Closed Position (RHR-CV-18CV, 19, 24, and 25)	1
RV-16	HPCI Pressure Maintenance Check Valves Testing to the Closed Position (HPCI-CV-13CV and 19)	1
RV-17	RHR/SW Core Standby Cooling Check Valve Testing Relief (RHR-CV-20CV)	2
RV-18	SLC-CV-12CV and SLC-CV-13CV Testing Frequency	1
RV-19	Withdrawn	
RV-20	HPCI-CV-11CV Testing Relief	2
RV-21	HPCI-V-44 and HPCI-V-50 Testing to the Closed Position	1
RV-22	HPCI-CV-24CV, 25, 26, and 27 Testing Frequency	2
RV-23	RCIC-CV-11CV Testing Relief	2
RV-24	RCIC-CV-18CV and 19 Testing to the Closed Position	1
RV-25	RCIC-V-37 and RCIC-V-42 Testing to the Closed Position	1
RV-26	RCIC-CV-22CV, 23, 24, and 25 Testing Frequency	2
RV-27	Main Steam Relief Valve Exercising Testing Frequency (MS-RV-71ARV to 71HRV)	1
RV-28	Main Steam Relief Line Vacuum Breaker Check Valve Testing Frequency (MS-CV-20CV to 35)	1

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RELIEF REQUESTS (Continued)

<u>RR No.</u>	<u>Description</u>	<u>Approval Note</u>	
RV-49	Withdrawn		8/91
RV-50	CS-CV-18CV, 19, RHR-CV-26CV and 27 Cold Shutdown Testing Caveat	5,7	8/91
RV-51	RF-CV-14CV and 16 Opening Test Frequency	5,8	8/91
RV-52	SW-CV-57CV, 58, 59, 60, 61, 62, 63, and 64 Group Closure Testing	5,8	8/91
RV-53	HPCI-CV-13CV and 17 Disassembly Testing Frequency	2	
RV-54	RHR-CV-10CV, 11, 12, and 13 Disassembly Testing Frequency	2	
RV-55	RCIC-CV-20CV and 21 Disassembly Testing Frequency	2	
RV-56	IWV-3427 (b) Relief	4	
RV-57	RF-CV-14CV, RF-CV-16CV Post Maintenance Testing	3	7/92

NOTES:

- Relief Request is approved by Generic Letter (GL) 89-04 via submittal prior to April 3, 1989.
- Relief Request is approved by GL 89-04, Position 2.
- Relief Request is approved by GL 89-04, Position 7.
- Relief Request is approved by GL 89-04, Position 10.
- Relief Request submitted after April 3, 1989.
- Relief Request is approved by NRC Safety Evaluation, NRC Letter "Cooper Nuclear Station Inservice Testing Program Relief Requests (TAC No. 76990)," dated August 31, 1990. 8/91
- Relief Request is approved by NRC Safety Evaluation, NRC Letter "Cooper Nuclear Station Inservice Testing Program Relief Requests (TAC No. 77076)," dated March 11, 1991. 8/91
- Relief Request is approved by NRC Safety Evaluation, NRC Letter "Cooper Nuclear Station Inservice Testing Program Relief Requests (TAC No. 76991)," dated July 5, 1991. 8/91

TECHNICAL JUSTIFICATIONS

<u>TJ No.</u>	<u>Description</u>	
TJV-01	RHR-MOV-920MV and RHR-MOV-921MV Testing Frequency	
TJV-02	RHR-MOV-M017 and RHR-MOV-M018 Testing Frequency	
TJV-03	Deleted	
TJV-04	RR-MOV-M053A and 53B Testing Frequency	
TJV-05	CS-CV-18CV, 19, RHE-CV-26CV, and 27	
TJV-06	Deleted	
TJV-07	Deleted	
TJV-08	Deleted	
TJV-09	Deleted	
TJV-10	Deleted	
TJV-11	DGSA-CV-14CV, 15, 16, and 17 Testing Frequency	
TJV-12	CRD-CV-138 (Typical of 137) Test Method	
TJV-13	HPCI-CV-29CV and ECIC-CV-26CV Test Frequency	7/92
TJV-14	SGT-CV-10CV, 14 and 15 Testing Frequency	7/92

RELIEF REQUEST RV-28

VALVE:	MS-CV-20CV	MS-CV-24CV	MS-CV-28CV	MS-CV-32CV
	MS-CV-21CV	MS-CV-25CV	MS-CV-29CV	MS-CV-33CV
	MS-CV-22CV	MS-CV-26CV	MS-CV-30CV	MS-CV-34CV
	MS-CV-23CV	MS-CV-27CV	MS-CV-31CV	MS-CV-35CV

CLASS: 3

7/92

FUNCTION: Check valves required to open for vacuum relief of the Main Steam Relief lines to the containment.

REQUIRED TEST: Exercise each quarter or cold shutdown.

BASIS FOR RELIEF: These vacuum breaker check valves are located inside containment. They are inaccessible for mechanical exercising during normal station operations.

Exercising these valves each refueling outage would serve to adequately assess valve operational readiness.

ALTERNATIVE TEST:

Each valve will be mechanically exercised during each refueling outage.

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RELIEF REQUEST RV-45

VALVE:

PenetrationValves

X-7A	MS-AOV-A080A, MS-AOV-A086A	
X-7B	MS-AOV-A080B, MS-AOV-A086B	
X-7C	MS-AOV-A080C, MS-AOV-A086C	
X-7D	MS-AOV-A080D, MS-AOV-A086D	
X-8	MS-MOV-M074, MS-MOV-M077	
X-9A	RF-CV-15CV, RCIC-CV-26CV, RWCUCV-15CV	7/92
X-9B	RF-CV-13CV, HPCI-CV-29CV	7/92
X-10	RCIC-MOV-M015, RCIC-MOV-M016	
X-11	HPCI-MOV-M015, HPCI-MOV-M016	
X-12	RHR-MOV-M018, RHR-MOV-M017	
X-13A	RHR-MOV-M025A, RHR-MOV-M027A	
X-13B	RHR-MOV-M025B, RHR-MOV-M027B	
X-14	RWCUCV-MOV-M015, RWCUCV-MOV-M018	
X-16A	CS-MOV-M011A, CS-MOV-M012A	
X-16B	CS-MOV-M011B, CS-MOV-M012B	
X-18	RW-AOV-A094, RW-AOV-A095	
X-19	RW-AOV-A082, RW-AOV-A083	
X-25	PC-MOV-232MV, PC-AOV-238AV	
X-25	PC-MOV-1305MV, PC-MOV-1306MV	
X-26	PC-MOV-231MV, PC-AOV-246AV, PC-MOV-306MV, PC-MOV-1310MV	
X-39A	RHR-MOV-M026A, RHR-MOV-M031A	
X-39B	RHR-MOV-M026B, RHR-MOV-M031B	
X-39B	PC-MOV-1311MV, PC-MOV-1312MV	
X-41	RR-AOV-740AV, RR-AOV-741AV	
X-42	SLC-CV-12CV, SLC-CV-13CV	
X-205	PC-MOV-233MV, PC-AOV-237AV	
X-205	PC-AOV-243AV, PC-CV-13CV	
X-205	PC-AOV-244AV, PC-CV-14CV	
X-205	PC-MOV-1303MV, PC-MOV-1304MV	
X-210A	RCIC-MOV-M027, RCIC-CV-13CV	
X-210A	RHR-MOV-M016A, RHR-CV-10CV, RHR-CV-12CV	
X-210B	HPCI-MOV-M025, HPCI-CV-17CV	
X-210B	RHR-MOV-M016B, RHR-CV-11CV, RHR-CV-13CV	
X-210A, 211A	RHR-MOV-M034A, RHR-MOV-M038A, RHR-MOV-M039A	
X-210B, 211B	RHR-MOV-M034B, RHR-MOV-M038B, RHR-MOV-M039B	
X-211B	PC-MOV-1301MV, PC-MOV-1302MV	
X-212	RCIC-CV-15CV, RCIC-V-37	
X-214	HPCI-CV-15CV, HPCI-V-44	
X-214	RHR-MOV-M0166A, RHR-MOV-M0167A	
X-214	RHR-MOV-M0166B, RHR-MOV-M0167B	
X-214	HPCI-AOV-A070, HPCI-AOV-A071	
X-220	PC-MOV-230MV, PC-AOV-245AV, PC-MOV-305MV, PC-MOV-1303MV	
X-221	RCIC-CV-12CV, RCIC-V-42	
X-222	HPCI-CV-16CV, HPCI-V-50	

RELIEF REQUEST RV-56

VALVE:	CS-MOV-M012A	RHR-MOV-M013B	RWCU-MOV-M018
	CS-MOV-M012B	RHR-MOV-M013C	PC-MOV-230MV
	CS-MOV-M011A	RHR-MOV-M013D	PC-MOV-231MV
	CS-MOV-M011B	HPCI-MOV-M015	PC-MOV-232MV
	CS-MOV-M026A	HPCI-MOV-M016	PC-MOV-233MV
	CS-MOV-M026B	HPCI-CV-29CV	PC-AOV-237AV
	CS-MOV-M07A	HPCI-MOV-M058	PC-AOV-238AV
	CS-MOV-M07B	HPCI-CV-15CV	PC-AOV-245AV
	RHR-MOV-M025A	HPCI-V-44	PC-AOV-246AV
	RHR-MOV-M025B	RCIC-MOV-M041	PC-AOV-243AV
	RHR-MOV-M027A	RCIC-CV-15CV	PC-AOV-244AV
	RHR-MOV-M027B	RCIC-V-37	PC-CV-13CV
	RHR-MOV-M026A	RF-CV-13CV	PC-CV-14CV
	RHR-MOV-M026B	RF-CV-14CV	PC-AOV-NRV20
	RHR-MOV-M031A	RF-CV-15CV	PC-AOV-NRV21
	RHR-MOV-M031B	RF-CV-16CV	PC-AOV-NRV22
	RHR-MOV-M034A	MS-AOV-A080A	PC-AOV-NRV23
	RHR-MOV-M034B	MS-AOV-A080B	PC-AOV-NRV24
	RHR-MOV-M038A	MS-AOV-A080C	PC-AOV-NRV25
	RHR-MOV-M038B	MS-AOV-A080D	PC-AOV-NRV26
	RHR-MOV-M039A	MS-AOV-A086A	PC-AOV-NRV27
	RHR-MOV-M039E	MS-AOV-A086B	PC-AOV-NRV28
	RHR-MOV-M017	MS-AOV-A086C	PC-AOV-NRV29
	RHR-MOV-M018	MS-AOV-A086D	PC-AOV-NRV30
	RHR-MOV-M013A	RWCU-MOV-M015	PC-AOV-NRV31

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CLASS: 1, 2, 4

FUNCTION: PC-AOV-NRV20 through 31 - Close to prevent bypass leakage from drywell to torus.
All other valves listed - Close for primary containment isolation.

REQUIRED TEST: Additional requirements on increased test frequencies and repairs or replacements for valve sizes six inches and larger. [IWV-3427(b)]

BASIS FOR RELIEF: The usefulness of the additional requirements of IWV-3427(b) do not justify the burden of complying with this requirement. Industry experience has shown that leak rate trending or projection of leak rates is not a reliable indicator of degradation as originally thought.

ALTERNATIVE TEST: For these valves, corrective action of IWV-3427(a) will be implemented as necessary and IWV-3427(b) will not be used.

RELIEF REQUEST RV-57

7/92

VALVE: RF-CV-14CV, RF-CV-16CV

CLASS: 1

FUNCTION: Open to provide a flow path for HPCI (RF-CV-14CV) or RCIC (RF-CV-16CV) to the reactor vessel.

REQUIRED TEST: Exercise check valves in accordance with IWV-3522(b).

BASIS FOR RELIEF:

This relief request only applies to post maintenance testing (PMT) when plant conditions prevent the full flow test from being performed. The full flow test of these valves involves feedwater flow to the reactor vessel. Due to the flow rates involved, sufficient room in the cavity is required for the volume of liquid transferred during the test. The only time sufficient room exists is at the beginning of an outage just prior to cavity flood up.

If maintenance is performed on the subject valves it usually takes place late in the outage, after flood up. Therefore, it is impractical to perform the full flow test for check valve PMT.

ALTERNATIVE TEST:

When check valve PMT is required and cavity flood up has already taken place during an outage, the valves will be disassembled, inspected and manually exercised (during the outage) to satisfy open exercising PMT requirements.

TECHNICAL JUSTIFICATION TJV-13

VALVE: HPCI-CV-29CV and RCIC-CV-26CV

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CLASS: 1

FUNCTION: HPCI-CV-29CV - Open to provide flowpath from HPCI pump to the feedwater system; close for primary containment isolation and to prevent overpressurization of HPCI piping.

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RCIC-CV 26CV - Open to provide RCIC flow path to the reactor vessel; close for primary containment isolation and to prevent overpressurization of RCIC piping.

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BASIS FOR
TECHNICAL

JUSTIFICATION: These valves are normally closed to isolate the reactor coolant system and the HPCI and RCIC systems. Opening these valves during plant power operation would reduce the level of protection of the associated HPCI or RCIC low-pressure suction piping from overpressurization. System piping and/or equipment damage may result if overpressurization occurred. Furthermore, these valves are located in the Steam Tunnel and during power operations, this area experiences temperatures approximately 130 - 140°F and whole body dose levels of approximately 3 Rem/Hr. Plant personnel are prohibited from entering this area during plant power operation due to these conditions.

ALTERNATIVE
TEST:

These valves will be mechanically exercised, verifying open and closure position, during cold shutdown periods in accordance with IWW-3522.

TECHNICAL JUSTIFICATION TJV-14

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VALVE: SGT-CV-10CV, SGT-CV-14CV and SGT-CV-15CV

CLASS: 4

FUNCTION: SGT-CV-10CV - Open to provide flow path from secondary containment to filter train.

SGT-CV-14CV and SGT-CV-15CV - Open to provide flow paths from exhaust fans.

BASIS FOR
TECHNICAL

JUSTIFICATION: The acceptance full flow rate for these valves is ≥ 1602 cfm. During plant power operations, system conditions exist that prevent the SGT system from achieving a flow rate of ≥ 1602 cfm. Reactor building differential pressure and back pressure from the Off Gas Dilution Fans act against SGT system pressure restricting SGT system flow rate. Therefore, it is impractical to perform a full flow rate test of these valves at power operations.

ALTERNATIVE
TEST:

A partial open stroke test will be performed on these valves during plant power operations on a quarterly frequency. A full flow open test will be performed on these valves during cold shutdown periods.