

ENCLOSURE 3

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION (RAI) 1.c

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
ALHV0005	MDAFP B TO S/G D HV	B AFW PUMP AND CHECK VALVE FULL FLOW	Every Refuel
		B AFW PUMP AND CHECK VALVE FULL FLOW	Every Start Up
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
	Note: TOLs are not bypassed	B TRN AFAS SLAVE RELAY TEST	12 Weeks
		TRAIN 'B' AUX FEEDWATER VALVE STROKE TESTING	12 Weeks
		POSITION INDICATION TEST AL SYS	18 months
ALHV0007	MDAFP B TO S/G A HV	B AFW PUMP AND CHECK VALVE FULL FLOW	Every Refuel
		B AFW PUMP AND CHECK VALVE FULL FLOW	Every Start Up
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
	Note: TOLs are not bypassed	B TRN AFAS SLAVE RELAY TEST	12 Weeks
		TRAIN 'B' AUX FEEDWATER VALVE STROKE TESTING	12 Weeks
		POSITION INDICATION TEST AL SYS	18 months
ALHV0009	MDAFP ATO S/G B HV	AUX FEEDWATER VALVE POSITION INDICATION TESTING	18 months
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
		A TRN AFAS SLAVE RELAY TEST	12 Weeks
	Note: TOLs are not bypassed	A AFW PUMP AND CHECK VALVE FULL FLOW TEST	Every Refuel
		A AFW PUMP AND CHECK VALVE FULL FLOW TEST	Every Start Up
		MDAFP 'A' VLV INSERVICE TEST	12 Weeks
ALHV0011	MDAFP TO S/G C HV	AUX FEEDWATER VALVE POSITION INDICATION TESTING	18 months
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
		A TRN AFAS SLAVE RELAY TEST	12 Weeks
	Note: TOLs are not bypassed	A AFW PUMP AND CHECK VALVE FULL FLOW TEST	Every Refuel
		A AFW PUMP AND CHECK VALVE FULL FLOW TEST	Every Start Up
		MDAFP 'A' VLV INSERVICE TEST	12 Weeks
ALHV0030	ESW TO MDAFP B HV	POSITION INDICATION TEST AL SYS	18 months
		B MDAFP FLUSH	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
		TRAIN 'B' AUX FEEDWATER VALVE STROKE TESTING	12 Weeks
ALHV0031	ESW TO MDAFP A HV	AUX FEEDWATER VALVE POSITION INDICATION TESTING	18 months
		MDAFP 'A' VLV INSERVICE TEST	12 Weeks
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		A MDAFP FLUSH	Every Refuel
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
ALHV0032	ESW TO TDAFP HV	A ESW TO TD AUX FEEDWATER PUMP FLUSH	Every Refuel
		B ESW TO TD AUX FEEDWATER PUMP FLUSH	Every Refuel
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
		TD AUX FEEDWATER VALVE TESTS	12 Weeks
		AUX FEEDWATER VALVE POSITION INDICATION TESTING	18 months
ALHV0033	ESW TO TDAFP HV	A ESW TO TD AUX FEEDWATER PUMP FLUSH	Every Refuel
		B ESW TO TD AUX FEEDWATER PUMP FLUSH	Every Refuel
		AUX FEEDWATER VALVE POSITION INDICATION TESTING	18 months
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
		TD AUX FEEDWATER VALVE TESTS	12 Weeks
ALHV0034	CST TO MD AFP B HV	B MDAFP FLUSH	Every Refuel
		TRAIN 'B' AUX FEEDWATER VALVE STROKE TESTING	12 Weeks
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		POSITION INDICATION TEST AL SYS	18 months
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
ALHV0035	CST TO MD AFP A HV	AUX FEEDWATER VALVE POSITION INDICATION TESTING	18 months
		A MDAFP FLUSH	Every Refuel
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		MDAFP 'A' VLV INSERVICE TEST	12 Weeks
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
ALHV0036	CST TO TD AFP HV	B ESW TO TD AUX FEEDWATER PUMP FLUSH	Every Refuel
		A ESW TO TD AUX FEEDWATER PUMP FLUSH	Every Refuel
		AUX SHUTDOWN PANEL CONTROLS TEST	Every Refuel
		AUX FEEDWATER VALVE POSITION INDICATION TESTING	18 months
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
		TD AUX FEEDWATER VALVE TESTS	12 Weeks
BBHV0013	RCP A THRM BAR COOL COIL COOL WTR OUT HV	RCP A THERMAL BARRIER FLOW	Every Refuel
		RCP Seal Injection and Thermal Barrier Inservice Valve test	Every Refuel
BBHV0014	RCP B THRM BAR COOL COIL COOL WTR OUT HV	RCP B THERMAL BARRIER FLOW	Every Refuel
		RCP Seal Injection and Thermal Barrier Inservice Valve test	Every Refuel
BBHV0015	RCP C THRM BAR COOL COIL COOL WTR OUT HV	RCP C THERMAL BARRIER FLOW	Every Refuel
		RCP Seal Injection and Thermal Barrier Inservice Valve test	Every Refuel

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
BBHV0016	RCP D THRM BAR COOL COIL COOL WTR OUT HV	RCP D THERMAL BARRIER FLOW	Every Refuel
		RCP Seal Injection and Thermal Barrier Inservice Valve test	Every Refuel
BBHV8000A	RCS PZR OUT PWR OPER RLF HV	LOCAL POSITION VERIFICATION	Every Refuel
		PORV BLOCK VLVs STROKE TEST	12 Weeks
		RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel
BBHV8000B	RCS PZR OUT PWR OPER RLF HV	LOCAL POSITION VERIFICATION	Every Refuel
		PORV BLOCK VLVs STROKE TEST	12 Weeks
BBHV8351A	RCP A SEAL WTR SPLY ISO HV	OSP-BB-LL041: LLRT BB-HV-8351A	3 Refuels
		RCP Seal Injection and Thermal Barrier Inservice Valve test	Every Refuel
BBHV8351B	RCP B SEAL WTR SPLY ISO HV	OSP-BB-LL022: LLRT BB-HV-8351B	3 Refuels
		RCP Seal Injection and Thermal Barrier Inservice Valve test	Every Refuel
BBHV8351C	RCP C SEAL WTR SPLY ISO HV	OSP-BB-LL039: LLRT BB-HV-8351C	3 Refuels
		RCP Seal Injection and Thermal Barrier Inservice Valve test	Every Refuel
BBHV8351D	RCP D SEAL WTR SPLY ISO HV	OSP-BB-LL040: LLRT BB-HV-8351D	3 Refuels
		RCP Seal Injection and Thermal Barrier Inservice Valve test	Every Refuel
BBPV8702A	RCS LOOP 1 HOT LEG TO RHR PMPS PCV ISO	RHR SUCTION INTERLOCK TEST	Every Refuel
		RCS TO RHR PRESSURE ISOLATION VALVES LEAK RATE TESTING	Every Start Up
		RCS TO RHR PRESSURE ISOLATION VALVES LEAK RATE TESTING	Every Refuel
		RHR PUMP CONTAINMENT SUMP SUCTION AND RWST SUCTION INSERVICE TEST	Every Refuel
		SI ACCUM DISCH CHK VLV TEST	Every 4 Refuels
		RHR A STROKE TIME TESTING	Every Start Up
		RHR A STROKE TIME TESTING	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel
BBPV8702B	RCS LOOP 4 HOT LEG TO RHR PMPS PCV ISO	RHR SUCTION INTERLOCK TEST	Every Refuel
		RCS TO RHR PRESSURE ISOLATION VALVES LEAK RATE TESTING	Every Start Up
		RCS TO RHR PRESSURE ISOLATION VALVES LEAK RATE TESTING	Every Refuel
		RHR PUMP CONTAINMENT SUMP SUCTION AND RWST SUCTION INSERVICE TEST	Every Refuel
		SI ACCUM DISCH CHK VLV TEST	Every 4 Refuels
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		RHR B STROKE TIME TESTING	Every Start Up
		RHR B STROKE TIME TESTING	Every Refuel
		RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
BGHV8100	SEAL WTR RTN OUTER CTMT ISO	OSP-BG-LL024: LLRT BG-HV-8100	3 Refuels
		UNBLOCKED ACTUATION SLAVE RELAY K624	Every Refuel
		LTDN & CHG POSITION INDICATION TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Start Up
BGHV8104	EMERG BORATE TO CCP A & B HDR ISO HV	PBG02A AND BGVH8104 INSERVICE TEST	12 Weeks
BGHV8105	CVCS CHARGING HDR TO REGEN HX OUTER CTMT ISO VLV	CHARGING & ALT CHARGING CHK VLV INSERVICE TEST	Every Refuel
		B TRN SIS SLAVE RELAY TEST	Every Refuel
		OSP-BG-LL080: LLRT BG-HV-8105	3 Refuels
		LTDN & CHG POSITION INDICATION TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Start Up
BGHV8106	CVCS CHARGING HDR TO REGEN HX OUTER CTMT ISO VLV	CHARGING & ALT CHARGING CHK VLV INSERVICE TEST	Every Refuel
		LTDN & CHG POSITION INDICATION TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Refuel
		A TRN SIS SLAVE RELAY TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Start Up
BGHV8110	A CCP DISCH MINIFLOW TO SEAL WTR HX ISO	LOCAL POSITION INDICATION TEST	18 months
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		CVCS TRAIN 'A' VALVE INSERVICE TEST	12 Weeks
BGHV8111	CCP B DISCH MINIFLOW ISO VLV	POSITION INDICATION TEST	18 months
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		CVCS TRAIN 'B' VALVE INSERVICE TEST	12 Weeks
BGHV8112	SEAL WTR RTN INNER CTMT ISO HV	OSP-BG-LL024: LLRT BG-HV-8112	3 Refuels
		LTDN & CHG POSITION INDICATION TEST	Every Refuel
		UNBLOCKED ACTUATION SLAVE RELAY K624	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Start Up
BGHV8357A	CVCS CCP A DISCH TO RCP SEALS THROT VLV	LOCAL POSITION INDICATION TEST	18 months
		CVCS TRAIN 'A' VALVE INSERVICE TEST	12 Weeks
BGHV8357B	CVCS CCP B DISCH TO RCP SEALS THROT VLV	CVCS TRAIN 'B' VALVE INSERVICE TEST	12 Weeks
		POSITION INDICATION TEST	18 months

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
BGLCV0112B	CVCS VCT OUT UPSTRM ISO	LTDN & CHG POSITION INDICATION TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Refuel
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		A TRN SIS SLAVE RELAY TEST	Every Refuel
		A TRN SIS SLAVE RELAY TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Start Up
BGLCV0112C	CVCS VCT OUT DNSTRM ISO	LTDN & CHG POSITION INDICATION TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Refuel
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		A TRN SIS SLAVE RELAY TEST	Every Refuel
		B TRN SIS SLAVE RELAY TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Start Up
BNHV0003	RWST TO CTMT SPRY PMP B HV	POSITION INDICATION TEST	76 Weeks
		B TRN CSAS SLAVE RELAY TEST	12 Weeks
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		'B' CTMT SPRAY VLV IN-SERVICE TEST.	12 Weeks
BNHV0004	RWST TO CTMT SPRY PMP A HV	'A' CTMT SPRAY VLVS INSERVICE TEST	12 Weeks
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		A TRN CSAS SLAVE RELAY TEST	12 Weeks
		POSITION INDICATION TEST	76 Weeks
BNHV8806A	SI PMP A SUCT FROM RWST ISO	'A' SI VLVS STROKE TEST	12 Weeks
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		INSERVICE TESTING OF BNHV8806A/B;BNLCV0112D/E; BG8546A/B AND EM8926A/B	Every Refuel
		LOCAL POSITION INDICATION TEST (OSP-EM- V001A)	Every Refuel
BNHV8806B	SI PUMPS SUCT FROM RWST ISO	'B' SI VLV STROKE TEST	12 Weeks
		INSERVICE TESTING OF BNHV8806A/B;BNLCV0112D/E; BG8546A/B AND EM8926A/B	Every Refuel
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		POSITION INDICATION TEST	Every Refuel
BNHV8812A	RWST TO RHR PMP A SUCT ISO VLV	RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel
		'A' RHR VLVS INSERVICE TEST	12 Weeks
		RHR PUMP CONTAINMENT SUMP SUCTION AND RWST SUCTION INSERVICE TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		TESTING EJHV8811A AND BNHV8812A	Every Start Up
		TESTING EJHV8811A AND BNHV8812A	Every Refuel
		POSITION INDICATION TEST	18 Months

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
BNHV8812B	RWST TO RHR PMP B SUCT ISO VLV	RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel
		POSITION INDICATION TEST (LOCAL)	18 months
		RHR PUMP CONTAINMENT SUMP SUCTION AND RWST SUCTION INSERVICE TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		TESTING EJHV8811B AND BNHV8812B	Every Start Up
		TESTING EJHV8811B AND BNHV8812B	Every Refuel
		'B' RHR VLV STROKE TEST	12 Weeks
BNHV8813	SI PMPS MINIFLOW TO RWST ISO VLV (3.0.3)	SEAT LEAKAGE TEST OF BNHV8813	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		SI VLV STROKE & POSITION IND TEST.	Every Refuel
		SI VLV STROKE & POSITION IND TEST.	Every Start Up
BNLCV0112D	SI PMP A DISCH TO RWST ISO HAND CTRL VLV OPER	LOCAL POSITION INDICATION TEST	18 months
		INSERVICE TESTING OF BNHV8806A/B;BNLCV0112D/E; BG8546A/B AND EM8926A/B	Every Refuel
		LTDN & CHG POSITION INDICATION TEST	Every Refuel
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Start Up
		A TRN SIS SLAVE RELAY TEST	Every Refuel
		CVCS TRAIN 'A' VALVE INSERVICE TEST	12 Weeks
BNLCV0112E	CCP B SUCT FROM RWST ISO VLV	POSITION INDICATION TEST	18 months
		B TRN SIS SLAVE RELAY TEST	Every Refuel
		CVCS TRAIN 'B' VALVE INSERVICE TEST	12 Weeks
		INSERVICE TESTING OF BNHV8806A/B;BNLCV0112D/E; BG8546A/B AND EM8926A/B	Every Refuel
		LTDN & CHG POSITION INDICATION TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Refuel
		LETDOWN AND CHARGING VALVE STROKE TEST	Every Start Up
ECHV0011	FUEL POOL HX A SHELL SIDE CCW OUT ISO	ECHV0011 IN-SERVICE TEST	12 Weeks
ECHV0012	FUEL POOL HX B SHELL SIDE CCW OUT ISO	ECHV0012 IN-SERVICE TEST	12 Weeks
EFHV0023	SERV WTR TO ESW TRN A UPSTRM HV	ESW TRAIN A VALVE OPERABILITY, OSP-EF- V001A	12 Weeks
		A ESW PUMP INSERVICE TEST	12 Weeks
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		A TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		LOCAL POSITION INDICATION TEST	18 months
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
EFHV0024	SERV WTR TO ESW TRN B UPSTRM HV	'B' ESW VALVE STROKE TEST	12 Weeks
		B ESW PUMP INSERVICE TEST	12 Weeks
		A TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
EFHV0025	SERV WTR TO ESW TRN A DNSTRM HV	LOCAL POSITION INDICATION TEST	18 months
		A ESW PUMP INSERVICE TEST	12 Weeks
		B TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
EFHV0026	SERV WTR TO ESW TRN B DNSTRM HV	LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
		B ESW PUMP INSERVICE TEST	12 Weeks
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		B TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		'B' ESW VALVE STROKE TEST	12 Weeks
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
EFHV0031	ESW TRN A TO CTMT AIR CLRS OUTER CTMT HV	OSP-EF-LL071: LLRT EF-HV-0031	Every Refuel
		ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		A TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST	18 months
EFHV0032	ESW TRN B TO CTMT AIR CLRS OUTER CTMT HV	OSP-EF-LL028: LLRT EF-HV-0032	2 Refuels
		'B' ESW VALVE STROKE TEST	12 Weeks
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		B TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
EFHV0033	ESW TRN A TO CTMT AIR CLRS INNER CTMT HV	LOCAL POSITION VERIFICATION	Every Refuel
		A TRN ESW FLOW BALANCE	Every Refuel
		OSP-EF-LL071: LLRT EF-HV-0033	2 Refuels
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
EFHV0034	ESW TRN B TO CTMT AIR CLRS INNER CTMT HV	LOCAL POSITION VERIFICATION	Every Refuel
		OSP-EF-LL028: LLRT EF-HV-0034	2 Refuels
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		B TRN ESW FLOW BALANCE	Every Refuel
		'B' ESW VALVE STROKE TEST	12 Weeks
EFHV0037	ESW TRN A TO UHS HV	ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A ESW PUMP INSERVICE TEST	12 Weeks
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		LOCAL POSITION INDICATION TEST	18 months
EFHV0038	ESW TRN B TO UHS HV	'B' ESW VALVE STROKE TEST	12 Weeks
		B ESW PUMP INSERVICE TEST	12 Weeks
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
EFHV0039	ESW TRN B TO SERV WTR UPSTRM HAND CTRL VLV	ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A ESW PUMP INSERVICE TEST	12 Weeks
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		B TRN SIS SLAVE RELAY TEST	Every Refuel
		B TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		LOCAL POSITION INDICATION TEST	18 months
EFHV0040	ESW TRN B TO SERV WTR UPSTRM HAND CTRL VLV	'B' ESW VALVE STROKE TEST	12 Weeks
		B ESW PUMP INSERVICE TEST	12 Weeks
		B TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
EFHV0041	ESW TRN A TO SERV WTR DNSTRM HAND CTRL VLV	ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A ESW PUMP INSERVICE TEST	12 Weeks
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
		A TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		A TRN SIS SLAVE RELAY TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		LOCAL POSITION INDICATION TEST	18 months

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
EFHV0042	ESW TRN B TO SERV WTR DNSTRM HAND CTRL VLV	'B' ESW VALVE STROKE TEST	12 Weeks
		B ESW PUMP INSERVICE TEST	12 Weeks
		A TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		B TRN EDG AND SEQUENCER TEST	12 Weeks
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		AFW LOW SUCTION PRESSURE (LSP) TEST	Every Refuel
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
EFHV0045	ESW TRN A FROM CTMT AIR CLRS INNER CTMT HV	OSP-EF-LL073: LLRT EF-HV-0045	2 Refuels
		ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		A TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION VERIFICATION	Every Refuel
EFHV0046	ESW TRN B FROM CTMT AIR CLRS INNER CTMT HV	OSP-EF-LL029: LLRT EF-HV-0046	Every Refuel
		'B' ESW VALVE STROKE TEST	12 Weeks
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		B TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION VERIFICATION	Every Refuel
EFHV0047	ESW TRN A FROM CTMT AIR CLRS BYP ISO HV	OSP-EF-LL073: LLRT EF-HV-0047	2 Refuels
		ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST	18 months
EFHV0048	ESW TRN B FROM CTMT AIR CLRS BYP ISO HV	OSP-EF-LL029: LLRT EF-HV-0048	Every Refuel
		B TRN ESW FLOW BALANCE	Every Refuel
		'B' ESW VALVE STROKE TEST	12 Weeks
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
EFHV0049	ESW TRN A FROM CTMT AIR CLRS OUTER CTMT HV	OSP-EF-LL073: LLRT EF-HV-0049	2 Refuels
		ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A ESW PUMP INSERVICE TEST	12 Weeks
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		A TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST	18 months
EFHV0050	ESW TRN B FROM CTMT AIR CLRS OUTER CTMT HV	OSP-EF-LL029:LLRT EF-HV-0050	Every Refuel
		B TRN ESW FLOW BALANCE	Every Refuel
		B ESW PUMP INSERVICE TEST	12 Weeks
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		'B' ESW VALVE STROKE TEST	12 Weeks
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
EFHV0051	ESW TRN A TO CCW HX A HV	ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		A TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		A TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST	18 months
EFHV0052	ESW TRN A TO CCW HX B HV	'B' ESW VALVE STROKE TEST	12 Weeks
		B TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		B TRN ESW FLOW BALANCE	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
EFHV0059	ESW TRN A FROM CCW HX A HAND CTRL VLV	ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		A TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		A TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST	18 months
EFHV0060	ESW TRN B FROM CCW HX A HAND CTRL VLV	'B' ESW VALVE STROKE TEST	12 Weeks
		B TRN SIS-CSAS SLAVE RELAY TEST	12 Weeks
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		B TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
EFHV0065	ESW UHS COOL-TWR TRN A BYP HV	ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A ESW PUMP INSERVICE TEST	12 Weeks
		A TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST	18 months
		ISF-EF-00T67 - ESW COOLING TOWER FAN AND BYPASS VALVE TEST TRAIN "A"	18 months
EFHV0066	ESW UHS COOL-TWR TRN B BYP HV	'B' ESW VALVE STROKE TEST	12 Weeks
		B ESW PUMP INSERVICE TEST	12 Weeks
		B TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
		ISF-EF-00T68 - ESW COOLING TOWER FAN AND BYPASS VALVE TEST TRAIN "A"	18 months
EFHV0097	ESW PMP A DISCH RECIRC HV	ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A ESW PUMP INSERVICE TEST	12 Weeks
		LOCAL POSITION INDICATION TEST	18 months

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
EFHV0098	ESW PMP B DISCH RECIRC HV	'B' ESW VALVE STROKE TEST	12 Weeks
		B ESW PUMP INSERVICE TEST	12 Weeks
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
EFPDV0019	ESW S-C STR A DRN DP CTRL VLV	ESW TRAIN A VALVE OPERABILITY, OSP-EF-V001A	12 Weeks
		A ESW PUMP INSERVICE TEST	12 Weeks
		A TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST	18 months
EFPDV0020	ESW S-C STR B DRN DP CTRL VLV	'B' ESW VALVE STROKE TEST	12 Weeks
		B ESW PUMP INSERVICE TEST	12 Weeks
		B TRN ESW FLOW BALANCE	Every Refuel
		LOCAL POSITION INDICATION TEST, OSP-EF-V001B	18 months
EGHV0011	ESW TO CCW TRN A UPSTRM HV	CCW TRAIN A VALVE POSITION INDICATION TEST	18 months
		A' CCW VLV IN-SERVICE TEST	12 Weeks
EGHV0012	ESW TO CCW TRN B UPSTRM HV	'B' CCW VLV IN-SERVICE TEST	12 Weeks
		CCW TRAIN B VALVE POSITION INDICATION TEST	18 months
EGHV0013	ESW TO CCW TRN A DNSTRM HV	CCW TRAIN A VALVE POSITION INDICATION TEST	18 months
		A' CCW VLV IN-SERVICE TEST	12 Weeks
EGHV0014	ESW TO CCW TRN B DNSTRM HV	'B' CCW VLV IN-SERVICE TEST	12 Weeks
		CCW TRAIN B VALVE POSITION INDICATION TEST	18 months
EGHV0015	CCW TRN A SPLY/RTN ISO HV	CCW TRAIN A VALVE POSITION INDICATION TEST	18 months
		A' CCW VLV IN-SERVICE TEST	12 Weeks
EGHV0016	CCW TRN B SPLY/RTN ISO HV	'B' CCW VLV IN-SERVICE TEST	12 Weeks
		CCW TRAIN B VALVE POSITION INDICATION TEST	18 months
EGHV0053	CCW TRN A SPLY ISO HV	CCW TRAIN A VALVE POSITION INDICATION TEST	18 months
		A' CCW VLV IN-SERVICE TEST	12 Weeks
EGHV0054	CCW TRN B SPLY ISO HV	'B' CCW VLV IN-SERVICE TEST	12 Weeks
		CCW TRAIN B VALVE POSITION INDICATION TEST	18 months
EGHV0058	CCW TO CTMT OUTER ISO HV	OSP-EG-LL074: LLRT EG-HV-0058	2 Refuels
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		'A' CCW VLVS CTMT ISO IN-SERVICE TEST	12 Weeks
		CCW TRAIN A CTMT ISO VALVE POSITION INDICATION TEST	18 months

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
EGHV0059	CCW FROM CTMT OUTER ISO VLV	OSP-EG-LL075:LLRT EG-HV-0059	3 Refuels
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		'A' CCW VLVS CTMT ISO IN-SERVICE TEST	12 Weeks
		CCW TRAIN A CTMT ISO VALVE POSITION INDICATION TEST	18 months
EGHV0060	CCW FROM RCS IN CTMT ISO HV	POSITION INDICATION TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		OSP-EG-LL075: LLRT EG-HV-0060	3 Refuels
		'B' CCW CTMT ISO VLV IN-SERVICE TEST	12 Weeks
EGHV0061	CCW FROM RCP THRM BAR OUTER CTMT ISO	OSP-EG-LL076: LLRT EG-HV-0061	3 Refuels
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		'A' CCW VLVS CTMT ISO IN-SERVICE TEST	12 Weeks
		CCW TRAIN A CTMT ISO VALVE POSITION INDICATION TEST	18 months
EGHV0062	CCW FROM RCS IN CTMT ISO HV	OSP-EG-LL076: LLRT EG-HV-0062	3 Refuels
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		LOOP FLOW CAL RCP THRM BARRIER RETURN FLOW	Every Refuel
		POSITION INDICATION TEST	Every Refuel
EGHV0071	CCW TO CTMT OUTER ISO VLV	'B' CCW CTMT ISO VLV IN-SERVICE TEST	12 Weeks
		B TRN EDG AND SEQUENCER TEST	Every Refuel
EGHV0101	CCW TO RHR HX A ISO	CCW VALVE INSERVICE TESTING	Every Refuel
		CCW TRAIN A VALVE POSITION INDICATION TEST	18 months
EGHV0102	CCW TO RHR HXB ISO	A' CCW VLV IN-SERVICE TEST	12 Weeks
		'B' CCW VLV IN-SERVICE TEST	12 Weeks
EGHV0126	CCW TO CTMT BYP HV	CCW TRAIN B VALVE POSITION INDICATION TEST	18 months
		CCW VALVE INSERVICE TESTING	Every Refuel
EGHV0127	CCW TO CTMT BYP ISO HV	OSP-EG-LL074: LLRT EG-HV-0127	2 Refuels
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		CCW VALVE INSERVICE TESTING	Every Refuel
EGHV0130	CCW FROM RCS CTMT EGHV0060 BYP ISO HV	OSP-EG-LL075: LLRT EG-HV-0130	3 Refuels
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		CCW VALVE INSERVICE TESTING	Every Refuel
EGHV0131	CCW FROM CTMT EGHV0059 BYP ISO	OSP-EG-LL075: LLRT EG-HV-0131	3 Refuels
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		CCW VALVE INSERVICE TESTING	Every Refuel
EGHV0132	CCW FROM RCS CTMT EGHV0062 BYP ISO HV	OSP-EG-LL076: LLRT EG-HV-0132	3 Refuels
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		CCW VALVE INSERVICE TESTING	Every Refuel
EGHV0133	CCW FROM RCP THRM BAR EGHV0061 BYP ISO	OSP-EG-LL076: LLRT EG-HV-0133	3 Refuels
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		CCW VALVE INSERVICE TESTING	Every Refuel

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
EJFCV0610	A RHR PMP MINI FLOW RECIRC FLOW CTRL VLV	RESPONSE TIME EJFIS0610, FCV0610	2 Refuels
		'A' RHR VLVS INSERVICE TEST	12 Weeks
		POSITION INDICATION TEST	18 Months
		TRN A RHR AND RCS CHECK VALVE INSERVICE TEST	Every Start Up
		TRN A RHR AND RCS CHECK VALVE INSERVICE TEST	Every Refuel
EJFCV0611	RHR PUMP B MINIMUM FLOW CTRL VLV	POSITION INDICATION TEST (LOCAL)	18 months
		RESPONSE TIME EJFIS0611, FCV0611	2 Refuels
		'B' RHR VLV STROKE TEST	12 Weeks
		TRAIN B RHR , RCS CK VLV INERVICE TEST	Every Start Up
		TRAIN B RHR , RCS CK VLV INERVICE TEST	Every Refuel
EJHV8701A	RHR PUMP A SUCT ISO	RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel
		RHR A STROKE TIME TESTING	Every Start Up
		RHR A STROKE TIME TESTING	Every Refuel
		RHR SUCTION INTERLOCK TEST	Every Refuel
		RHR PUMP CONTAINMENT SUMP SUCTION AND RWST SUCTION INSERVICE TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		RCS TO RHR PRESSURE ISOLATION VALVES	Every Start Up
		RCS TO RHR PRESSURE ISOLATION VALVES	Every Refuel
EJHV8701B	RHR PUMP B SUCT ISO	RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel
		RHR B STROKE TIME TESTING	Every Start Up
		RHR B STROKE TIME TESTING	Every Refuel
		RHR PUMP CONTAINMENT SUMP SUCTION AND RWST SUCTION INSERVICE TEST	Every Refuel
		RHR SUCTION INTERLOCK TEST	Every Refuel
		RCS TO RHR PRESSURE ISOLATION VALVES LEAK RATE TESTING	Every Start Up
		RCS TO RHR PRESSURE ISOLATION VALVES LEAK RATE TESTING	Every Refuel
EJHV8716A	RHR TRN A SI SYS HOT LEG RECIRC ISO (3.0.3)	RHR A STROKE TIME TESTING	Every Start Up
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		RHR A STROKE TIME TESTING	Every Refuel
EJHV8716B	RHR TRN B SI SYS HOT LEG RECIRC ISO (3.0.3)	RHR B STROKE TIME TESTING	Every Start Up
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		RHR B STROKE TIME TESTING	Every Refuel
EJHV8804A	RHR TRN A CHARGING PUMPS SPLY ISO	RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		RHR A STROKE TIME TESTING	Every Start Up
		RHR A STROKE TIME TESTING	Every Refuel

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
EJHV8804B	RHR TRN B SI PUMPS SPLY ISO	RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		RHR B STROKE TIME TESTING	Every Start Up
		RHR B STROKE TIME TESTING	Every Refuel
EJHV8809A	RHR TRN A ACC INJ SPLY ISO (3.0.3)	A TRN EDG AND SEQUENCER TEST	Every Refuel
		RWST TO RHR SUCT CHK VLV INSERVICE TEST	Every Refuel
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		SI ACCUM DISCH CHK VLV TEST	Every 4 Refuels
		RHR A STROKE TIME TESTING	Every Start Up
		RHR A STROKE TIME TESTING	Every Refuel
EJHV8809B	RHR TRN B ACC INJ SPLY ISO (3.0.3)	B TRN EDG AND SEQUENCER TEST	Every Refuel
		RWST TO RHR SUCT CHK VLV INSERVICE TEST	Every Refuel
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		SI ACCUM DISCH CHK VLV TEST	Every 4 Refuels
		RHR B STROKE TIME TESTING	Every Start Up
		RHR B STROKE TIME TESTING	Every Refuel
EJHV8811A	CTMT RECIRC SUMP A TO RHR PUMP A SUCT ISO	RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		RHR PUMP CONTAINMENT SUMP SUCTION AND RWST SUCTION INSERVICE TEST	Every Refuel
		TESTING EJHV8811A AND BNHV8812A	Every Start Up
		TESTING EJHV8811A AND BNHV8812A	Every Refuel
EJHV8811B	CTMT RECIRC SUMP B TO RHR PUMP B SUCT ISO	RHR SUCT VLV AUTO ACTUATION TEST	Every Refuel
		RHR PUMP CONTAINMENT SUMP SUCTION AND RWST SUCTION INSERVICE TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		TESTING EJHV8811B AND BNHV8812B	Every Start Up
		TESTING EJHV8811B AND BNHV8812B	Every Refuel
EJHV8840	RHR TRAIN A & B SI SYS HOT LEG RECIRC ISO (3.0.3)	A TRN EDG AND SEQUENCER TEST	Every Refuel
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		RHR A STROKE TIME TESTING	Every Start Up
		RHR A STROKE TIME TESTING	Every Refuel
EMHV8801A	BORON INJ HDR TRAIN A OUT TO COLD LEGS ISO	LOCAL POSITION INDICATION TEST	18 months
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		CVCS TRAIN 'A' VALVE INSERVICE TEST	12 Weeks
EMHV8801B	BORON INJ HDR TRAIN B OUT TO COLD LEGS ISO	POSITION INDICATION TEST	18 months
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		CVCS TRAIN 'B' VALVE INSERVICE TEST	12 Weeks

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
EMHV8802A	SI PMP A DISCH TO HOT LEG INJ ISO (3.0.3)	'A' SI VLVS STROKE TEST	12 Weeks
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		LOCAL POSITION INDICATION TEST (OSP-EM-V001A)	Every Refuel
EMHV8802B	SI PMP B DISCH TO HOT LEG INJ ISO (3.0.3)	'B' SI VLV STROKE TEST	12 Weeks
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		POSITION INDICATION TEST	Every Refuel
EMHV8803A	BORON INJ HDR SPLY FROM CCP A ISO	LOCAL POSITION INDICATION TEST	18 months
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		CVCS TRAIN 'A' VALVE INSERVICE TEST	12 Weeks
EMHV8803B	BORON INJ HDR SPLY FROM CCP B ISO	POSITION INDICATION TEST	18 months
		ECCS CHK VLV INSERVICE TEST	Every Refuel
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		CVCS TRAIN 'B' VALVE INSERVICE TEST	12 Weeks
EMHV8807A	RHR HX A TO SI PMPS SUCT DNSTRM ISO VLV A	'A' SI VLVS STROKE TEST	12 Weeks
		LOCAL POSITION INDICATION TEST (OSP-EM-V001A)	Every Refuel
EMHV8807B	RHR HX A TO SI PMPS SUCT DNSTRM ISO VLV B	'B' SI VLV STROKE TEST	12 Weeks
		POSITION INDICATION TEST	Every Refuel
EMHV8814A	SI PMP A RECIRC TO RWST ISO	SAFETY INJECTION PIGGYBACK FLOW TEST	Every Refuel
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		'A' SI VLVS STROKE TEST	12 Weeks
		LOCAL POSITION INDICATION TEST (OSP-EM-V001A)	Every Refuel
EMHV8814B	SI PMP B RECIRC TO RWST ISO	'B' SI VLV STROKE TEST	12 Weeks
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		SAFETY INJECTION PIGGYBACK FLOW TEST	Every Refuel
		POSITION INDICATION TEST	Every Refuel
EMHV8821A	SI PMP A DISCH TO COLD LEG INJ ISO	'A' SI VLVS STROKE TEST	12 Weeks
		LOCAL POSITION INDICATION TEST (OSP-EM-V001A)	Every Refuel
EMHV8821B	SI PMP B DISCH TO COLD LEG INJ ISO	'B' SI VLV STROKE TEST	12 Weeks
		POSITION INDICATION TEST	Every Refuel
EMHV8835	SI PMPS DISCH TO COLD LEG INJ ISO (3.0.3)	ECCS CHK VLV INSERVICE TEST	Every Refuel
		SI VLV STROKE & POSITION IND TEST.	Every Refuel
		SI VLV STROKE & POSITION IND TEST.	Every Start Up
EMHV8923A	RWST TO SI PMP A SUCT ISO	A TRN EDG AND SEQUENCER TEST	Every Refuel
		SI VLV STROKE & POSITION IND TEST.	Every Refuel
		SI VLV STROKE & POSITION IND TEST.	Every Start Up

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
EMHV8923B	RWST TO SI PMP B SUCT ISO HV	'B' SI VLV STROKE TEST	12 Weeks
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		POSITION INDICATION TEST	Every Refuel
EMHV8924	RHR HX A TO SI PMPs SUCT UPSTRM ISO	SI VLV STROKE & POSITION IND TEST.	Every Refuel
		SI VLV STROKE & POSITION IND TEST.	Every Start Up
ENHV0001	CTMT RECIRC SMP TO CTMT SPRY PMP A HV	A TRN EDG AND SEQUENCER TEST	Every Refuel
		CONTAINMENT SPRAY ENCAPSULATED ISOLATION VLV INSERVICE TEST	Every Start Up
		CONTAINMENT SPRAY ENCAPSULATED ISOLATION VLV INSERVICE TEST	Every Refuel
ENHV0006	CTMT SPRY PMP A DISCH HV	POSITION INDICATION TEST	76 Weeks
		A TRN CSAS SLAVE RELAY TEST	12 Weeks
		A TRN EDG AND SEQUENCER TEST	Every Refuel
		'A' CTMT SPRAY VLVS INSERVICE TEST	12 Weeks
ENHV0007	CTMT RECIRC SMP TO CTMT SPRY PMP B HV	B TRN EDG AND SEQUENCER TEST	Every Refuel
		CONTAINMENT SPRAY ENCAPSULATED ISOLATION VALVE INSERVICE TEST	Every Start Up
		CONTAINMENT SPRAY ENCAPSULATED ISOLATION VALVE INSERVICE TEST	Every Refuel
ENHV0012	CTMT SPRY PMP B DISCH HV	POSITION INDICATION TEST	76 Weeks
		B TRN CSAS SLAVE RELAY TEST	12 Weeks
		B TRN EDG AND SEQUENCER TEST	Every Refuel
		'B' CTMT SPRAY VLV IN-SERVICE TEST.	12 Weeks
EPHV8808A	SI ACC TK A OUT ISO	A TRN SIS SLAVE RELAY TEST	12 Weeks
		RCS CHK VLV LEAK TEST	Every Refuel
		SI ACCUM DISCH CHK VLV TEST	Every 4 Refuels
		EPHV8808A, B, C, D STROKE TEST	Every Start Up
		EPHV8808A, B, C, D STROKE TEST	Every Refuel
EPHV8808B	SI ACC TK B OUT ISO	RCS CHK VLV LEAK TEST	Every Refuel
		SI ACCUM DISCH CHK VLV TEST	Every 4 Refuels
		EPHV8808A, B, C, D STROKE TEST	Every Start Up
		EPHV8808A, B, C, D STROKE TEST	Every Refuel
		EPHV8808A, B, C, D STROKE TEST	Every Refuel
EPHV8808C	SI ACC TK C OUT ISO	A TRN SIS SLAVE RELAY TEST	12 Weeks
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		RCS CHK VLV LEAK TEST	Every Refuel
		SI ACCUM DISCH CHK VLV TEST	Every 4 Refuels
		EPHV8808A, B, C, D STROKE TEST	Every Start Up
		EPHV8808A, B, C, D STROKE TEST	Every Refuel
EPHV8808D	SI ACC TK D OUT ISO	B TRN SIS SLAVE RELAY TEST	12 Weeks
		SI ACCUM DISCH CHK VLV TEST	Every 4 Refuels
		RCS CHK VLV LEAK TEST	Every Refuel
		EPHV8808A, B, C, D STROKE TEST	Every Start Up
		EPHV8808A, B, C, D STROKE TEST	Every Refuel

Safety Related MOV Surveillance List by Component

Component ID	Component Description	Surveillance Description	Surveillance Frequency
FCHV0312	AFP TURB MECH TRIP/THROT HV	A TRN AFAS SLAVE RELAY TEST	12 Weeks
		B TRN AFAS SLAVE RELAY TEST	12 Weeks
		ASP CONTROLS FOR TDAFP OPERABILITY TEST	Every Refuel
		ESFAS TDAFP RESPONSE TIME TEST	Every Refuel
		TD AUX FEED PUMP IN-SERVICE TEST	12 Weeks
GSHV0020	H2 PURGE IN CTMT ISO HV	GS SYSTEM TRAIN 'A' STROKE TEST PER OSP-GS-V002A	12 Weeks
		A TRN CISA SLAVE RELAY TEST	12 Weeks
		GSHV0020 POSITION INDICATION VERIFICATION.	18 months
		OSP-GS-LLP65: LLRT GS-HV-0020	54 Months
GSHV0021	H2 PURGE OUTER CTMT ISO HV	GS SYSTEM TRAIN B STROKE TEST	12 Weeks
		B TRN CISA SLAVE RELAY TEST	12 Weeks
		POSITION IND TESTING B TRAIN ISO VLV	18 Months
		OSP-GS-LLP65: LLRT GS-HV-0021	54 Months
KCHV0253	F-PROT LOOP TO RX BLD OUTER CTMT DNSTRM ISO	OSP-KC-LL067: LLRT KC-HV-0253	Every Refuel
		UNBLOCKED ACTUATION SLAVE RELAY K624	Every Refuel
		TRN B SSPS FUNCTIONAL TEST	24 Weeks
		KCHV0253 INSERVICE TEST	Every Refuel
LFFV0095	CTMT NORM SMP PMPS DISCH HDR CTMT FV	LOCAL POSITION INDICATION TEST	Every Refuel
		FLOOR DRAIN VLVS STROKE TEST	12 Weeks
		A TRN CISA SLAVE RELAY TEST	12 Weeks
		OSP-LF-LL032: LLRT LF-FV-0095	3 Refuels
LFHV0105	DRW SMPS DISCH HDR DNSTRM HV	LOCAL POSITION INDICATION TEST	Every Refuel
		B TRN SIS SLAVE RELAY TEST	12 Weeks
		FLOOR DRAIN VLVS STROKE TEST	12 Weeks
LFHV0106	DRW SMPS DISCH HDR UPSTRM HV	LOCAL POSITION INDICATION TEST	Every Refuel
		A TRN SIS SLAVE RELAY TEST	12 Weeks
		FLOOR DRAIN VLVS STROKE TEST	12 Weeks