

ENVIRONMENTAL QUALIFICATION

MASTER EQUIPMENT LIST

Revision 1

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ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

PAGE 1

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
CONTAINMENT ATMOSPHERIC DILUTION SYSTEM					
FSO-109-75A-1	ATKOMATIC	15840-VPI-MOD	JCO-1	NO DOC/REPLACE	
FSO-109-75A-2	ATKOMATIC	15840-VPI-MOD	JCO-1	NO DOC/REPLACE	
FSO-109-75A-3	TARGET ROCK	75E002	QUALIFIED		
FSO-109-75A-4	TARGET ROCK	75E002	QUALIFIED		
FSO-109-75B-1	ATKOMATIC	15840-VPI-MOD	JCO-2	NO DOC/REPLACE	
FSO-109-72B-2	ATKOMATIC	15840-VPI-MOD	JCO-2	NO DOC/REPLACE	
FSO-109-75C-1	ATKOMATIC	15840-VPI-MOD	JCO-2	NO DOC/REPLACE	
FSO-109-75C-2	ATKOMATIC	15840-VPI-MOD	JCO-2	NO DOC/REPLACE	
FSO-109-75D-1	ATKOMATIC	15840-VPI-MOD	JCO-2	NO DOC/REPLACE	
FSO-109-75D-2	ATKOMATIC	15840-VPI-MOD	JCO-2	NO DOC/REPLACE	
FSO-109-76A			QUALIFIED		CATEGORY D
FSO-109-76B	TARGET ROCK	82-U	QUALIFIED		
NG-11A			QUALIFIED		CATEGORY D
NG-11B			QUALIFIED		CATEGORY D
NG-12A			QUALIFIED		CATEGORY D
NG-12B			QUALIFIED		CATEGORY D
NG-13A			QUALIFIED		CATEGORY D
NG-13B			QUALIFIED		CATEGORY D
SAH-VG-5A	TELEDYNE	225CMA-2	QUALIFIED		
SAH-VG-5B	TELEDYNE	225CMA-2	QUALIFIED		
VG-9A			QUALIFIED		CATEGORY D
VG-9B			QUALIFIED		CATEGORY D
VG-22A			QUALIFIED		CATEGORY D
VG-22B			QUALIFIED		CATEGORY D
VG-23	TARGET ROCK	75E002	QUALIFIED		
VG-24	TARGET ROCK	75E002	QUALIFIED		
VG-25	TARGET ROCK	75E002	QUALIFIED		
VG-26			QUALIFIED		CATEGORY D
VG-33	TARGET ROCK	75E002	QUALIFIED		
VG-34	TARGET ROCK	75E002	QUALIFIED		

EMERGENCY POWER SYSTEM

A-ECCS BATT	C+D	KC-9	QUALIFIED		
A-ECCS BC	C+D	ARR24CE50F3	JCO-3	RAD+HELB DATA/RELOCATE	NOTE 2
A-ECCS DP	MERCURY		QUALIFIED		
B-ECCS BATT	C+D	KC-9	QUALIFIED		
B-ECCS BC	C+D	ARR24CE50F3	JCO-3	RAD+HELB DATA/RELOCATE	NOTE 2
B-ECCS DP	MERCURY		QUALIFIED		
DC-1A			QUALIFIED		CATEGORY D

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

PAGE 2

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
EMERGENCY POWER SYSTEM (CONTINUED)					
DC-1B			QUALIFIED		CATEGORY D
DC-2A	WESTINGHOUSE	TYPE W	JCO-5	DOC/GDR	
DC-2B			QUALIFIED		CATEGORY D
MCC-8B	WESTINGHOUSE	TYPE W	JCO-5	DOC/GDR	
MCC-8E	WESTINGHOUSE	TYPE W	JCO-5	DOC/GDR	
MCC-9B	WESTINGHOUSE	TYPE W	JCO-5	DOC/GDR	
MCC-9D	WESTINGHOUSE	TYPE W	JCO-5	DOC/GDR	
MCC-89A	ITE	5600	QUALIFIED		
MCC-89B	ITE	5600	QUALIFIED		
PP-89	WESTINGHOUSE		JCO-5	DOC/GDR	PART OF MCC-9D
UPS-1A			QUALIFIED		CATEGORY D
UPS-1B			QUALIFIED		CATEGORY D
VAC-B	GEN ELECTRIC		QUALIFIED		
HEATING & VENTILATION SYSTEM					
RRU-5	RELIANCE ELEC		QUALIFIED		
RRU-6	RELIANCE ELEC		QUALIFIED		
RRU-7	RELIANCE ELEC		QUALIFIED		
RRU-8	RELIANCE ELEC		QUALIFIED		
STANDBY GAS TREATMENT SYSTEM					
EUH-2	CHROMALOX	9KW !D106-114426-000!	JCO-9	NO DOC/GDR	
EUH-4	CHROMALOX	9KW !D106-114426-000!	JCO-9	NO DOC/GDR	
FS-1-125-1A	MCDONALD/MILLER	NP-8	JCO-10	NO DOC/REPLACE	
FS-1-125-1B	MCDONALD/MILLER	NP-8	JCO-10	NO DOC/REPLACE	
LS-SB-1A	MICROSWITCH	OPD-AR-6809	JCO-11	RAD/GDR	
LS-SB-1B	MICROSWITCH	OPD-AR-6809	JCO-11	RAD/GDR	
LS-SB-2A	MICROSWITCH	OPD-AR-6809	JCO-11	RAD/GDR	
LS-SB-2B	MICROSWITCH	OPD-AR-6809	JCO-11	RAD/GDR	
LS-SB-3A	MICROSWITCH	OPD-AR-6809	JCO-11	RAD/GDR	
LS-SB-3B	MICROSWITCH	OPD-AR-6809	JCO-11	RAD/GDR	
LS-SB-4A	MICROSWITCH	OPD-AR-6809	JCO-11	RAD/GDR	
LS-SB-4B	MICROSWITCH	OPD-AR-6809	JCO-11	RAD/GDR	
LS-SB-5	MICROSWITCH	OPD-AR-6809	JCO-11	RAD/GDR	
REF-2A	RELIANCE ELEC		QUALIFIED		
REF-2B	RELIANCE ELEC		QUALIFIED		
SB-1A	ASCO	206-380-7F	QUALIFIED		
SB-1B	ASCO	206-380-7F	QUALIFIED		

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/RESOLUTION	COMMENTS
STANDBY GAS TREATMENT SYSTEM (CONTINUED)					
SB-2A	ASCO	206-380-7F	QUALIFIED		
SB-2B	ASCO	206-380-7F	QUALIFIED		
SB-3A	ASCO	206-380-7F	QUALIFIED		
SB-3B	ASCO	206-380-7F	QUALIFIED		
SB-4A	ASCO	206-380-7F	QUALIFIED		
SB-4B	ASCO	206-380-7F	QUALIFIED		
SB-5	ASCO	206-380-7F	QUALIFIED		
TSH-1-125-15A	CHROMALOX		JCO-12	NO DOC/QDR	(PART OF ELECTRIC HEATER(EUH-2))
TSH-1-125-15B	CHROMALOX		JCO-12	NO DOC/QDR	(PART OF ELECTRIC HEATER(EUH-4))
NUCLEAR BOILER SYSTEM					
AOV-2-80A	ASCO	NP8323A36V	QUALIFIED		
AOV-2-80B	ASCO	NP8323A36V	QUALIFIED		
AOV-2-80C	ASCO	NP8323A36V	QUALIFIED		
AOV-2-80D	ASCO	NP8323A36V	QUALIFIED		
AOV-2-86A	ASCO	NP8323A36V	QUALIFIED		
AOV-2-86B	ASCO	NP8323A36V	QUALIFIED		
AOV-2-86C	ASCO	NP8323A36V	QUALIFIED		
AOV-2-86D	ASCO	NP8323A36V	QUALIFIED		
LS-AOV-2-80A	NAMCO	EA-740	QUALIFIED		
LS-AOV-2-80B	NAMCO	EA-740	QUALIFIED		
LS-AOV-2-80C	NAMCO	EA-740	QUALIFIED		
LS-AOV-2-80D	NAMCO	EA-740	QUALIFIED		
LS-AOV-2-86A	NAMCO	EA-740	QUALIFIED		
LS-AOV-2-86B	NAMCO	EA-740	QUALIFIED		
LS-AOV-2-86C	NAMCO	EA-740	QUALIFIED		
LS-AOV-2-86D	NAMCO	EA-740	QUALIFIED		
FCV-2-39	ASCO	206-823-3	QUALIFIED		
FCV-2-40			QUALIFIED		CATEGORY D
FT-2-110A			QUALIFIED		CATEGORY D
FT-2-110B			QUALIFIED		CATEGORY D
FT-2-110C			QUALIFIED		CATEGORY D
FT-2-110D			QUALIFIED		CATEGORY D
MOV-2-53A	LIMITORQUE	SMB-2	JCO-13	RAD/REPLACE MOTOR + BRAKE!	
MOV-2-53B	LIMITORQUE	SMB-2	JCO-13	RAD/REPLACE MOTOR + BRAKE!	
MOV-2-54A	LIMITORQUE	SMB-000	QUALIFIED		
MOV-2-54B	LIMITORQUE	SMB-000	QUALIFIED		
MOV-2-66A	LIMITORQUE	SMB-000	JCO-14	RAD/REPLACE MOTOR	

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
NUCLEAR BOILER SYSTEM (CONTINUED)					
MCV-2-66B	LIMITORQUE	SMB-000	JCO-14	RAD/REPLACE MOTOR	
MCV-2-74	LIMITORQUE	SMB-000	JCO-15	RAD/REPLACE MOTOR	
MCV-2-77			QUALIFIED		CATEGORY D
PS-2-71-1A	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-1B	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-1C	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-1D	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-2A	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-2B	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-2C	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-2D	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-3A	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-3B	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-3C	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-71-3D	SOR	6N-E3-CIA GGMRRTTX10	JCO-16	NO TEST DATA/REPLACE	
PS-2-128A			QUALIFIED		CATEGORY D
PS-2-128B			QUALIFIED		CATEGORY D
PS-2-134A	BARKSDALE	B2T-A12-SS	JCO-18	NO TEST DATA/REPLACE	
PS-2-134B	BARKSDALE	B2T-A12-SS	JCO-18	NO TEST DATA/REPLACE	
PS-2-134C	BARKSDALE	B2T-A12-SS	JCO-18	NO TEST DATA/REPLACE	
PS-2-134D	BARKSDALE	B2T-A12-SS	JCO-18	NO TEST DATA/REPLACE	
RV-2-71A	ASCO	206-381-6F	QUALIFIED		
RV-2-71B	ASCO	206-381-6F	QUALIFIED		
RV-2-71C	ASCO	206-381-6F	QUALIFIED		
RV-2-71D	ASCO	206-381-6F	QUALIFIED		
SRV MONITOR	GEN. ELECTRIC	21984061	JCO-17	TEMP + PRESS/GDR	

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

PAGE 5

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
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NUCLEAR BOILER SYSTEM (CONTINUED)

PNL-112D1943G005

TS-2-121A	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-121B	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-121C	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-121D	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-122A	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-122B	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-122C	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-122D	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-123A	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-123B	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-123C	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-123D	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-124A	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-124B	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-124C	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
TS-2-124D	FENWAL	17002-40	JCO-20	NO TEST DATA/REPLACE	
ZE-2-1A	ENDEVCO	2273AM20	JCO-21	DOC/GDR	
ZE-2-1B	ENDEVCO	2273AM20	JCO-21	DOC/GDR	
ZT-2-1A	B+W		JCO-21	TEMP + PRESS/REPLACE	
ZT-2-1B	B+W		JCO-21	TEMP + PRESS/REPLACE	

NUCLEAR BOILER VESSEL INSTRUMENTATION SYSTEM

LITS-2-3-73A	YARWAY	4418CE	JCO-26	RAD LACKING/REPLACE	
LITS-2-3-73B	YARWAY	4418CE	JCO-27	RAD LACKING/REPLACE	
LT-2-3-57A	ROSEMOUNT	1152DP4	QUALIFIED		
LT-2-3-57B	ROSEMOUNT	1152DP4	QUALIFIED		
LT-2-3-58A	ROSEMOUNT	1152DP4	QUALIFIED		
LT-2-3-58B	ROSEMOUNT	1152DP4	QUALIFIED		
LT-2-3-72A	ROSEMOUNT	1152DP4	QUALIFIED		
LT-2-3-72B	ROSEMOUNT	1152DP4	QUALIFIED		
LT-2-3-72C	ROSEMOUNT	1152DP4	QUALIFIED		
LT-2-3-72D	ROSEMOUNT	1152DP4	QUALIFIED		
PS-2-3-52C	BARKSDALE	B2T-M12-SS	JCO-28	NO TEST DATA/REPLACE	
PS-2-3-52D	BARTON	288A-7572	JCO-28	INSUFFICIENT DOC/REPLACE	
PT-2-3-55A	ROSEMOUNT	1152GP9	QUALIFIED		
PT-2-3-55B	ROSEMOUNT	1152GP9	QUALIFIED		
PT-2-3-55C	ROSEMOUNT	1152GP9	QUALIFIED		

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
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NUCLEAR BOILER VESSEL INSTRUMENTATION SYSTEM (CONTINUED)

PT-2-3-55D	ROSEMOUNT	1152GP9	QUALIFIED		
PT-2-3-56A	ROSEMOUNT	1152GP9	QUALIFIED		
PT-2-3-56B	ROSEMOUNT	1152GP9	QUALIFIED		
PT-2-3-56C	ROSEMOUNT	1152GP9	QUALIFIED		
PT-2-3-56D	ROSEMOUNT	1152GP9	QUALIFIED		
2-3-55A(M)	ROSEMOUNT	510DU	QUALIFIED		
2-3-55A(X)	AGASTAT	EGPB001	QUALIFIED		
2-3-55B(M)	ROSEMOUNT	510DU	QUALIFIED		
2-3-55B(X)	AGASTAT	EGPB001	QUALIFIED		
2-3-55C(M)	ROSEMOUNT	510DU	JCO-33	HELB TEMP/REPLACE	
2-3-55C(X)	AGASTAT	EGPB001	JCO-34	HELB TEMP/QDR	
2-3-55D(M)	ROSEMOUNT	510DU	JCO-33	HELB TEMP/REPLACE	
2-3-55D(X)	AGASTAT	EGPB001	JCO-34	HELB TEMP/QDR	
2-3-56A(M)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-56A(S1)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-56A(X)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-56A(X1)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-56B(M)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
2-3-56B(S1)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
2-3-56B(X)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
2-3-56B(X1)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
2-3-56C(M)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-56C(S1)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-56C(X)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-56C(X1)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-56D(M)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
2-3-56D(S1)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
2-3-56D(X)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
2-3-56D(X1)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
2-3-57A(M)	ROSEMOUNT	510DU	QUALIFIED		
2-3-57A(S1)	ROSEMOUNT	510DU	QUALIFIED		
2-3-57A(S2)	ROSEMOUNT	510DU	QUALIFIED		
2-3-57A(X)	AGASTAT	EGPB001	QUALIFIED		
2-3-57A(X1)	AGASTAT	EGPB001	QUALIFIED		
2-3-57A(X2)	AGASTAT	EGPB001	QUALIFIED		
2-3-57B(M)	ROSEMOUNT	510DU	QUALIFIED		
2-3-57B(S1)	ROSEMOUNT	510DU	QUALIFIED		
2-3-57B(S2)	ROSEMOUNT	510DU	QUALIFIED		

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
NUCLEAR BOILER VESSEL INSTRUMENTATION SYSTEM (CONTINUED)					
2-3-57B(X)	AGASTAT	EGPB001	QUALIFIED		
2-3-57B(X1)	AGASTAT	EGPB001	QUALIFIED		
2-3-57B(X2)	AGASTAT	EGPB001	QUALIFIED		
2-3-58A(M)	ROSEMOUNT	510DU	JCO-33	HELB TEMP/REPLACE	
2-3-58A(S1)	ROSEMOUNT	510DU	JCO-33	HELB TEMP/REPLACE	
2-3-58A(S2)	ROSEMOUNT	510DU	JCO-33	HELB TEMP/REPLACE	
2-3-58A(X)	AGASTAT	EGPB001	JCO-34	HELB TEMP/QDR	
2-3-58A(X1)	AGASTAT	EGPB001	JCO-34	HELB TEMP/QDR	
2-3-58A(X2)	AGASTAT	EGPB001	JCO-34	HELB TEMP/QDR	
2-3-58B(M)	ROSEMOUNT	510DU	JCO-33	HELB TEMP/REPLACE	
2-3-58B(S1)	ROSEMOUNT	510DU	JCO-33	HELB TEMP/REPLACE	
2-3-58B(S2)	ROSEMOUNT	510DU	JCO-33	HELB TEMP/REPLACE	
2-3-58B(X)	AGASTAT	EGPB001	JCO-34	HELB TEMP/QDR	
2-3-58B(X1)	AGASTAT	EGPB001	JCO-34	HELB TEMP/QDR	
2-3-58B(X2)	AGASTAT	EGPB001	JCO-34	HELB TEMP/QDR	
2-3-72A(M)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-72A(S1)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-72A(S2)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-72A(S3)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-72A(S4)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-72A(S5)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-72A(X)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-72A(X1)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-72A(X2)	AGASTAT	ETR14B3B001	JCO-23	RAD/QDR	
2-3-72A(X3)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-72A(X4)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-72A(X5)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-72B(M)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG!	
2-3-72B(S1)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG!	
2-3-72B(S2)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG!	
2-3-72B(S3)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG!	
2-3-72B(S4)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG!	
2-3-72B(S5)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG!	
2-3-72B(X)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
2-3-72B(X1)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
2-3-72B(X2)	AGASTAT	ETR14B3B001	JCO-25	RAD + TEMP/QDR	
2-3-72B(X3)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
2-3-72B(X4)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

PAGE 8

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
NUCLEAR BOILER VESSEL INSTRUMENTATION SYSTEM (CONTINUED)					
2-3-72B(X5)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
2-3-72C(M)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-72C(S1)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-72C(S2)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-72C(S3)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
2-3-72C(X)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-72C(X1)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-72C(X2)	AGASTAT	ETR14B3B001	JCO-23	RAD/QDR	
2-3-72C(X3)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
2-3-72D(M)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
2-3-72D(S1)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
2-3-72D(S2)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
2-3-72D(S3)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
2-3-72D(X)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
2-3-72D(X1)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
2-3-72D(X2)	AGASTAT	ETR14B3B001	JCO-25	RAD + TEMP/QDR	
2-3-72D(X3)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
CONTROL ROD DRIVE SYSTEM					
LT-3-231A	ROSEMOUNT	1153DB4PG	QUALIFIED		NOTE 3
LT-3-231B	ROSEMOUNT	1153DB4PG	QUALIFIED		NOTE 3
LT-3-231C	ROSEMOUNT	1153DB4PG	QUALIFIED		NOTE 3
LT-3-231D	ROSEMOUNT	1153DB4PG	QUALIFIED		NOTE 3
LT-3-231E	ROSEMOUNT	1153DB4PG	QUALIFIED		NOTE 3
LT-3-231F	ROSEMOUNT	1153DB4PG	QUALIFIED		NOTE 3
LT-3-231G	ROSEMOUNT	1153DB4PG	QUALIFIED		NOTE 3
LT-3-231H	ROSEMOUNT	1153DB4PG	QUALIFIED		NOTE 3
PS-3-242A	PCI	A1711	NOT REQ/QUALIFIED		TO BE REMOVED PENDING NRC APPROVAL
PS-3-242B	PCI	A1711	NOT REQ/QUALIFIED		TO BE REMOVED PENDING NRC APPROVAL
PS-3-242C	PCI	A1711	NOT REQ/QUALIFIED		TO BE REMOVED PENDING NRC APPROVAL
PS-3-242D	PCI	A1711	NOT REQ/QUALIFIED		TO BE REMOVED PENDING NRC APPROVAL
SE-3-ARI-A	ASCO	NF8316E36E	QUALIFIED		
SE-3-ARI-B	ASCO	NF8316E36E	QUALIFIED		
SE-3-31A	ASCO	HVA90-405-2A	JCO-31	NO TEST DATA/QDR	
SE-3-31B	ASCO	HVA90-405-2A	JCO-31	NO TEST DATA/QDR	
SN-3-140A	ASCO	WPLB831636	JCO-32	NO TEST DATA/REPLACE	
SN-3-140B	ASCO	WPLB831636	JCO-32	NO TEST DATA/REPLACE	
SO-3-13-117	ASCO	HVA90-405-2A	JCO-31	NO TEST DATA/QDR	SCRAM SOLENOIDS-89 TOTAL

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

PAGE 9

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
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CONTROL ROD DRIVE SYSTEM (CONTINUED)

50-3-13-118	ASCO	HVA90-405-2A	JCO-31	NO TEST DATA/QDR	SCRAM SOLENOIDS-89 TOTAL
25-56A-A1			QUALIFIED		CATEGORY D
25-56A-B1			QUALIFIED		CATEGORY D
25-56B-A2			QUALIFIED		CATEGORY D
25-56B-B2			QUALIFIED		CATEGORY D
3-231A(M)			QUALIFIED		CATEGORY D
3-231A(S1)			QUALIFIED		CATEGORY D
3-231A(X)			QUALIFIED		CATEGORY D
3-231A(X1)			QUALIFIED		CATEGORY D
3-231B(M)			QUALIFIED		CATEGORY D
3-231B(S1)			QUALIFIED		CATEGORY D
3-231B(X)			QUALIFIED		CATEGORY D
3-231F(X1)			QUALIFIED		CATEGORY D
3-231C(M)			QUALIFIED		CATEGORY D
3-231C(X)			QUALIFIED		CATEGORY D
3-231D(M)			QUALIFIED		CATEGORY D
3-231D(X)			QUALIFIED		CATEGORY D
3-231E(M)			QUALIFIED		CATEGORY D
3-231E(X)			QUALIFIED		CATEGORY D
3-231F(M)			QUALIFIED		CATEGORY D
3-231F(X)			QUALIFIED		CATEGORY D
3-231G(M)			QUALIFIED		CATEGORY D
3-231G(S1)			QUALIFIED		CATEGORY D
3-231G(X)			QUALIFIED		CATEGORY D
3-231G(X1)			QUALIFIED		CATEGORY D
3-231H(M)			QUALIFIED		CATEGORY D
3-231H(S1)			QUALIFIED		CATEGORY D
3-231H(X)			QUALIFIED		CATEGORY D
3-231H(X1)			QUALIFIED		CATEGORY D
CRDM POS IND	GEN ELECTRIC		JCO-29	NO DOC/QDR	

REACTOR PROTECTION SYSTEM

PNL5-7A			QUALIFIED		CATEGORY D
PNL5-7B			QUALIFIED		CATEGORY D
PNL5-7C			QUALIFIED		CATEGORY D
PNL5-7D			QUALIFIED		CATEGORY D
PNL5-7E			QUALIFIED		CATEGORY D
PNL5-7F			QUALIFIED		CATEGORY D

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
REACTOR PROTECTION SYSTEM (CONTINUED)					
FNLS-7G			QUALIFIED		CATEGORY D
PNLS-7H			QUALIFIED		CATEGORY D
PS-5-14A	BARKSDALE	B2T-A12-SS	JCO-36	NO TEST DATA/REPLACE	
PS-5-14B	BARKSDALE	B2T-A12-SS	JCO-36	NO TEST DATA/REPLACE	
PS-5-14C	BARKSDALE	B2T-A12-SS	JCO-36	NO TEST DATA/REPLACE	
PS-5-14D	BARKSDALE	B2T-A12-SS	JCO-36	NO TEST DATA/REPLACE	
PS-37	PENN	P72AA-997	JCO-37	NO TEST DATA/REPLACE	
PS-38	PENN	P72AA-997	JCO-37	NO TEST DATA/REPLACE	
PS-39	PENN	P72AA-997	JCO-37	NO TEST DATA/REPLACE	
PS-40	PENN	P72AA-997	JCO-37	NO TEST DATA/REPLACE	
PT-5-12A	ROSEMOUNT	1152GP4N	QUALIFIED		
PT-5-12B	ROSEMOUNT	1152GP4N	QUALIFIED		
PT-5-12C	ROSEMOUNT	1152GP4N	QUALIFIED		
PT-5-12D	ROSEMOUNT	1152GP4N	QUALIFIED		
SVOS-1	NAMCO	SL-3	JCO-38	NO TEST DATA/REPLACE	
SVOS-2	NAMCO	SL-3	JCO-38	NO TEST DATA/REPLACE	
SVOS-3	NAMCO	SL-3	JCO-38	NO TEST DATA/REPLACE	
SVOS-4	NAMCO	SL-3	JCO-38	NO TEST DATA/REPLACE	
5-12A(M)	ROSEMOUNT	510DU	QUALIFIED		
5-12A(X)	AGASTAT	EGPB001	QUALIFIED		
5-12B(M)	ROSEMOUNT	510DU	QUALIFIED		
5-12B(X)	AGASTAT	EGPB001	QUALIFIED		
5-12C(M)	ROSEMOUNT	510DU	JCO-33	HELB TEMP/REPLACE	
5-12C(X)	AGASTAT	EGPB001	JCO-34	HELB TEMP/QDR	
5-12D(M)	ROSEMOUNT	510DU	JCO-33	HELB TEMP/REPLACE	
5-12D(X)	AGASTAT	EGPB001	JCO-34	HELB TEMP/QDR	
25-5A-(A1)	ELMA	164CS261	QUALIFIED		
25-5A-(B1)	ELMA	164CS261	QUALIFIED		
25-6A-(A2)	ELMA	164CS261	JCO-35	HELB TEMP/RELOCATE	
25-6A-(B2)	ELMA	164CS261	JCO-35	HELB TEMP/RELOCATE	
NEUTRON MONITORING SYSTEM					
-			QUALIFIED		CATEGORY D
-			QUALIFIED		CATEGORY D
LPRMS	GEN ELECTRIC	129B36206026	JCO-39	NO DOC/QDR	
TIP DR			QUALIFIED		CATEGORY D

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
RESIDUAL HEAT REMOVAL SYSTEM					
CP-82-2	MERCURY		QUALIFIED		
DPT-10-91A	GEMAC	552	JCO-40	NO TEST DATA/REPLACE	
DPT-10-91B	GEMAC	552	JCO-40	NO TEST DATA/REPLACE	
FS-10-148A	BARTON	289A-2553	JCO-41	NO TEST DATA/QDR	
FS-10-148B	BARTON	289A-2554	JCO-41	NO TEST DATA/QDR	
MOV-10-13A	LIMITORQUE	SMB-2	QUALIFIED		
MOV-10-13B	LIMITORQUE	SMB-2	QUALIFIED		
MOV-10-13C	LIMITORQUE	SMB-2	QUALIFIED		
MOV-10-13D	LIMITORQUE	SMB-2	QUALIFIED		
MOV-10-15A	LIMITORQUE	SMB-2	QUALIFIED		
MOV-10-15B	LIMITORQUE	SMB-2	QUALIFIED		
MOV-10-15C	LIMITORQUE	SMB-2	QUALIFIED		
MOV-10-15D	LIMITORQUE	SMB-2	QUALIFIED		
MOV-10-16A	LIMITORQUE	SMB	QUALIFIED		
MOV-10-16B	LIMITORQUE	SMB	QUALIFIED		
MOV-10-17			QUALIFIED		CATEGORY D
MOV-10-18	LIMITORQUE	SMB-2	JCO-42	RAD/REPLACE BRAKE	
MOV-10-25A	LIMITORQUE	SMB-3	QUALIFIED		
MOV-10-25B	LIMITORQUE	SMB-3	QUALIFIED		
MOV-10-26A	LIMITORQUE	SMB-00	QUALIFIED		
MOV-10-26B	LIMITORQUE	SMB-00	QUALIFIED		
MOV-10-27A	LIMITORQUE	SMB-4T	QUALIFIED		
MOV-10-27B	LIMITORQUE	SMB-4T	QUALIFIED		
MOV-10-31A	LIMITORQUE	SMB-0	QUALIFIED		
MOV-10-31B	LIMITORQUE	SMB-0	QUALIFIED		
MOV-10-33			QUALIFIED		CATEGORY D
MOV-10-34A	LIMITORQUE	SMB	QUALIFIED		
MOV-10-34B	LIMITORQUE	SMB	QUALIFIED		
MOV-10-38A	LIMITORQUE	SMB-00	QUALIFIED		
MOV-10-38B	LIMITORQUE	SMB-00	QUALIFIED		
MOV-10-39A	LIMITORQUE	SMB-0	QUALIFIED		
MOV-10-39B	LIMITORQUE	SMB-0	QUALIFIED		
MOV-10-57			QUALIFIED		CATEGORY D
MOV-10-65A	LIMITORQUE	SMB-4	QUALIFIED		
MOV-10-65B	LIMITORQUE	SMB-4	QUALIFIED		
MOV-10-66			QUALIFIED		CATEGORY D
MOV-10-89A	LIMITORQUE	SMB-2	QUALIFIED		
MOV-10-89B	LIMITORQUE	SMB-2	QUALIFIED		

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

PAGE 12

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
RESIDUAL HEAT REMOVAL SYSTEM (CONTINUED)					
P-8-1A	WESTINGHOUSE	CSP-USS-PP	QUALIFIED		
P-8-1B	WESTINGHOUSE	CSP-USS-PP	QUALIFIED		
P-8-1C	WESTINGHOUSE	CSP-USS-PP	QUALIFIED		
P-8-1D	WESTINGHOUSE	CSP-USS-PP	QUALIFIED		
P-10-1A	GEN ELECTRIC	BEJ-205002	QUALIFIED		
P-10-1B	GEN ELECTRIC	BEJ-212003	QUALIFIED		
P-10-1C	GEN ELECTRIC	BEJ-219001	QUALIFIED		
P-10-1D	GEN ELECTRIC	BEJ-219003	QUALIFIED		
POT-10-89A	LIMITORQUE		JCO-44	NO TEST DATA/QDR OR DC	
POT-10-89B	LIMITORQUE		JCO-44	NO TEST DATA/QDR OR DC	
PS-10-105A			QUALIFIED		CATEGORY D
PS-10-105B			QUALIFIED		CATEGORY D
PS-10-105C			QUALIFIED		CATEGORY D
PS-10-105D			QUALIFIED		CATEGORY D
PS-10-105E			QUALIFIED		CATEGORY D
PS-10-105F			QUALIFIED		CATEGORY D
PS-10-105G			QUALIFIED		CATEGORY D
PS-10-105H			QUALIFIED		CATEGORY D
PT-10-101A	ROSEMOUNT	1152GF4N	QUALIFIED		
PT-10-101B	ROSEMOUNT	1152GF4N	QUALIFIED		
PT-10-101C	ROSEMOUNT	1152GF4N	QUALIFIED		
PT-10-101D	ROSEMOUNT	1152GF4N	QUALIFIED		
10-101A(M)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
10-101A(S1)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
10-101A(X)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
10-101A(X1)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
10-101B(M)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
10-101B(S1)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
10-101B(X)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
10-101B(X1)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
10-101C(M)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
10-101C(S1)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
10-101C(X)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
10-101C(X1)	AGASTAT	EGPB001	JCO-23	RAD/QDR	
10-101D(M)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
10-101D(S1)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
10-101D(X)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	
10-101D(X1)	AGASTAT	EGPB001	JCO-25	RAD + TEMP/QDR	

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
REACTOR WATER CLEANUP SYSTEM					
FT-12-1A			QUALIFIED		CATEGORY D
FT-12-1B			QUALIFIED		CATEGORY D
MOV-12-15	LIMITORQUE	SMB-000	QUALIFIED		
MOV-12-18	LIMITORQUE	SMB-000	QUALIFIED		
MOV-12-68			QUALIFIED		CATEGORY D
12-1A(M)	ROSEMOUNT	510DU	JCO-22	RAD/DESIGN CHANGE	
12-1A(X)			QUALIFIED		CATEGORY D
12-1B(M)	ROSEMOUNT	510DU	JCO-24	RAD+TEMP/REPLACE+DSGN CHG	
12-1B(X)			QUALIFIED		CATEGORY D
REACTOR CORE ISOLATION COOLING SYSTEM					
CP-82-3	MERCURY		QUALIFIED		
MOV-13-15	LIMITORQUE	SMB-000	JCO-46	RAD/REPLACE MOTOR	
MOV-13-16	LIMITORQUE	SMB-000	JCO-47	NO DOC/REPLACE LIMIT SWS	
MTS-13-2	WESTINGHOUSE	MTSS	QUALIFIED		
TS-13-79A	FENWAL	17002-40	JCO-48	NO TEST DATA/REPLACE	
TS-13-79B	FENWAL	17002-40	JCO-49	NO TEST DATA/REPLACE	
TS-13-79C	FENWAL	17002-40	JCO-49	NO TEST DATA/REPLACE	
TS-13-79D	FENWAL	17002-40	JCO-50	NO TEST DATA/REPLACE	
TS-13-80A	FENWAL	17002-40	JCO-48	NO TEST DATA/REPLACE	
TS-13-80B	FENWAL	17002-40	JCO-49	NO TEST DATA/REPLACE	
TS-13-80C	FENWAL	17002-40	JCO-49	NO TEST DATA/REPLACE	
TS-13-80D	FENWAL	17002-40	JCO-50	NO TEST DATA/REPLACE	
TS-13-81A	FENWAL	17002-40	JCO-48	NO TEST DATA/REPLACE	
TS-13-81B	FENWAL	17002-40	JCO-49	NO TEST DATA/REPLACE	
TS-13-81C	FENWAL	17002-40	JCO-49	NO TEST DATA/REPLACE	
TS-13-81D	FENWAL	17002-40	JCO-50	NO TEST DATA/REPLACE	
TS-13-82A	FENWAL	17002-40	JCO-48	NO TEST DATA/REPLACE	
TS-13-82B	FENWAL	17002-40	JCO-49	NO TEST DATA/REPLACE	
TS-13-82C	FENWAL	17002-40	JCO-49	NO TEST DATA/REPLACE	
TS-13-82D	FENWAL	17002-40	JCO-50	NO TEST DATA/REPLACE	
V-13-16	WESTINGHOUSE	TYPE W	JCO-5	DOC/QDR	LOCAL STARTER
CORE SPRAY SYSTEM					
FS-14-45A	BARTON	289A-2456	JCO-51	NO TEST DATA/QDR	
FS-14-45B	BARTON	289A-8122	JCO-51	NO TEST DATA/QDR	
MOV-14-5A	LIMITORQUE	SMB-000	QUALIFIED		
MOV-14-5B	LIMITORQUE	SMB-000	QUALIFIED		

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

PAGE 14

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
CORE S.P.A.Y SYSTEM (CONTINUED)					
MOV-14-7A	LIMITORQUE	SMB-00	QUALIFIED		
MOV-14-7B	LIMITORQUE	SMB-00	QUALIFIED		
MOV-14-11A	LIMITORQUE	SMB-2	QUALIFIED		
MOV-14-11B	LIMITORQUE	SMB-2	QUALIFIED		
MOV-14-12A	LIMITORQUE	SMB-2	JCO-52	RAD/REPLACE MOTOR + BRAKE!	
MOV-14-12B	LIMITORQUE	SMB-2	JCO-52	RAD/REPLACE MOTOR + BRAKE!	
MOV-14-26A			QUALIFIED		CATEGORY D
MOV-14-26B			QUALIFIED		CATEGORY D
P-46-1A	GEN ELECTRIC	FEJ604010	QUALIFIED		
P-46-1B	GEN ELECTRIC	FEJ604011	QUALIFIED		
PS-14-44A			QUALIFIED		CATEGORY D
PS-14-44B			QUALIFIED		CATEGORY D
PS-14-44C			QUALIFIED		CATEGORY D
PS-14-44D			QUALIFIED		CATEGORY D
PRIMARY CONTAINMENT ATMOSPHERIC CONTROL SYSTEM					
DPS-16-19-32A	BARTON	288A-6648	JCO-53	NO TEST DATA/QDR	
DPS-16-19-32B	BARTON	288A-6649	JCO-53	NO TEST DATA/QDR	
LT-16-19-10A	ROSEMOUNT	1153B	QUALIFIED		
LT-16-19-10B	ROSEMOUNT	1153B	QUALIFIED		
PT-16-19-29A	ROSEMOUNT	1153AB7	QUALIFIED		
PT-16-19-29B	ROSEMOUNT	1153AB7	QUALIFIED		
RD-16-19-1A	VICTOREEN	877	QUALIFIED		
RD-16-19-1B	VICTOREEN	877	QUALIFIED		
SB-16-19-6			QUALIFIED		CATEGORY D
SB-16-19-6A			QUALIFIED		CATEGORY D
SB-16-19-6B			QUALIFIED		CATEGORY D
SB-16-19-7			QUALIFIED		CATEGORY D
SB-16-19-7A			QUALIFIED		CATEGORY D
SB-16-19-7B			QUALIFIED		CATEGORY D
SB-16-19-8			QUALIFIED		CATEGORY D
SB-16-19-9			QUALIFIED		CATEGORY D
SB-16-19-10			QUALIFIED		CATEGORY D
SB-16-19-11A	ASCO	NP831654E	QUALIFIED		
LS-SB-16-19-11A	MICROSWITCH	OPD-AR-6809	JCO-54	RAD/QDR	
SB-16-19-11B	ASCO	NP831654E	QUALIFIED		
LS-SB-16-19-11B	MICROSWITCH	OPD-AR-6809	JCO-54	RAD/QDR	
SB-16-19-23			QUALIFIED		CATEGORY D

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/ RESOLUTION	COMMENTS
PRIMARY CONTAINMENT ATMOSPHERIC CONTROL SYSTEM (CONTINUED)					
TE-1-149-1	CONAX	7952-10000-04	QUALIFIED		
TE-1-149-2	CONAX	7952-10000-04	QUALIFIED		
TE-1-149-3	CONAX	7952-10000-04	QUALIFIED		
TE-1-149-4	CONAX	7952-10000-04	QUALIFIED		
TE-1-149-5	CONAX	7952-10000-04	QUALIFIED		
TE-1-149-6	CONAX	7952-10000-04	QUALIFIED		
TE-1-149-7	CONAX	7952-10000-04	QUALIFIED		
TE-1-149-8	CONAX	7952-10000-04	QUALIFIED		
TE-1-149-9	CONAX	7952-10000-03	QUALIFIED		
TE-1-149-10	CONAX	7952-10000-03	QUALIFIED		
TE-1-149-11	CONAX	7952-10000-03	QUALIFIED		
TE-1-149-12	CONAX	7952-10000-03	QUALIFIED		
TE-16-19-30	CONAX	7952-10000-01	QUALIFIED		
TE-16-19-33A	CONAX	7952-10000-02	QUALIFIED		
TE-16-19-33C	CONAX	7952-10000-02	QUALIFIED		
TE-16-19-34	CONAX	7952-10000-01	QUALIFIED		
V16-20-20			QUALIFIED		CATEGORY D
V16-20-22A			QUALIFIED		CATEGORY D
V16-20-22B			QUALIFIED		CATEGORY D
RADIATION MONITORING SYSTEM					
RM-17-430A			QUALIFIED		CATEGORY D
RM-17-430B			QUALIFIED		CATEGORY D
RM-17-431A			QUALIFIED		CATEGORY D
RM-17-431B			QUALIFIED		CATEGORY D
FUEL POOL COOLING SYSTEM					
LOCAL IND LIGHTS			JCO-58	NO TEST DATA/DESIGN CHNG	NOTE 5
LOCAL CONT SW			JCO-57	NO TEST DATA/REPLACE	
LSH-19-60	JOBELL	MODEL B	JCO-55	NO TEST DATA/REPLACE	NOTE 12
LSL-19-60	JOBELL	MODEL K	JCO-56	NO TEST DATA/REPLACE	NOTE 12
P-9-1A	WESTINGHOUSE	40HP-286T6	QUALIFIED		
P-9-1B	WESTINGHOUSE	40HP-286T6	QUALIFIED		
PS-19-68A	ASHCROFT	6480	JCO-59	NO TEST DATA/REPLACE	
PS-19-68B	ASHCROFT	6480	JCO-59	NO TEST DATA/REPLACE	
RADWASTE SYSTEM					
AGV-20-82			QUALIFIED		CATEGORY D

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

PAGE 16

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/RESOLUTION	COMMENTS
RADWASTE SYSTEM (CONTINUED)					
ADV-20-83			QUALIFIED		CATEGORY D
ADV-20-94			QUALIFIED		CATEGORY D
ADV-20-95			QUALIFIED		CATEGORY D
HIGH PRESSURE COOLANT INJECTION SYSTEM					
MOV-23-15	LIMITORQUE	SMB-1	QUALIFIED		
MOV-23-16	LIMITORQUE	SMB-1	QUALIFIED		
TS-23-101A	FENWAL	17002-40	JCO-61	NO TEST DATA/REPLACE	
TS-23-101B	FENWAL	17002-40	JCO-62	NO TEST DATA/REPLACE	
TS-23-101C	FENWAL	17002-40	JCO-62	NO TEST DATA/REPLACE	
TS-23-101D	FENWAL	17002-40	JCO-63	NO TEST DATA/REPLACE	
TS-23-102A	FENWAL	17002-40	JCO-61	NO TEST DATA/REPLACE	
TS-23-102B	FENWAL	17002-40	JCO-62	NO TEST DATA/REPLACE	
TS-23-102C	FENWAL	17002-40	JCO-62	NO TEST DATA/REPLACE	
TS-23-102D	FENWAL	17002-40	JCO-63	NO TEST DATA/REPLACE	
TS-23-103A	FENWAL	17002-40	JCO-61	NO TEST DATA/REPLACE	
TS-23-103B	FENWAL	17002-40	JCO-62	NO TEST DATA/REPLACE	
TS-23-103C	FENWAL	17002-40	JCO-62	NO TEST DATA/REPLACE	
TS-23-103D	FENWAL	17002-40	JCO-63	NO TEST DATA/REPLACE	
TS-23-104A	FENWAL	17002-40	JCO-61	NO TEST DATA/REPLACE	
TS-23-104B	FENWAL	17002-40	JCO-62	NO TEST DATA/REPLACE	
TS-23-104C	FENWAL	17002-40	JCO-62	NO TEST DATA/REPLACE	
TS-23-104D	FENWAL	17002-40	JCO-63	NO TEST DATA/REPLACE	
V-23-16	WESTINGHOUSE	TYPE W	JCO-5	DOC/GDR	LOCAL STARTER
SERVICE AND COOLING WATER SYSTEM					
MOV-70-19A	LIMITORQUE	SMB-1	QUALIFIED		
MOV-70-19B	LIMITORQUE	SMB-1	QUALIFIED		
MOV-70-20	LIMITORQUE	SMB-1	QUALIFIED		
P-59-1A	WESTINGHOUSE	LIFELINE T	QUALIFIED		
P-59-1B	WESTINGHOUSE	LIFELINE T	QUALIFIED		
PS-104-57-1			QUALIFIED		CATEGORY D
PS-104-57-2			QUALIFIED		CATEGORY D
SE-70-4A	ASCO	HPX8211C13	JCO-66	NO TEST DATA/REPLACE	
SE-70-4B	ASCO	HPX8211C13	JCO-66	NO TEST DATA/REPLACE	
SE-70-4C	ASCO	HPX8211C13	JCO-66	NO TEST DATA/REPLACE	
SE-70-4D	ASCO	HPX8211C13	JCO-66	NO TEST DATA/REPLACE	

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

PAGE 17

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/RESOLUTION	COMMENTS
POST ACCIDENT SAMPLING SYSTEM					
71-F-1	! ASCO	! HBT-8300-D58F	! JCO-67	! NO TEST DATA/REPLACE	!
71-P-1	! ASCO	! HBT-8300-D58F	! JCO-67	! NO TEST DATA/REPLACE	!
71-S-1	! ASCO	! HBT-8300-D58F	! JCO-67	! NO TEST DATA/REPLACE	!
71-S-2	! ASCO	! HBT-8300-D58F	! JCO-67	! NO TEST DATA/REPLACE	!
SERVICE AND INSTRUMENT AIR SYSTEM					
ACV-72-38A	!	!	! QUALIFIED	!	! CATEGORY D
ACV-72-38B	!	!	! QUALIFIED	!	! CATEGORY D
CONDENSATE + DW TRANSFER SYSTEM					
107-12A(M)	! ROSEMOUNT	! 510DU	! JCO-22	! RAD/DESIGN CHANGE	!
107-12B(M)	! ROSEMOUNT	! 510DU	! JCO-22	! RAD/DESIGN CHANGE	!
MISCELLANEOUS ELECTRICAL EQUIPMENT					
ELEC-3	! LEWIS	! SR/SR	! QUALIFIED	!	! THERMOCOUPLE CABLE
ELEC-4	! ROME	! XLP/PVC	! QUALIFIED	!	! POWER CABLE
ELEC-5	! GEN ELECTRIC	! NS02/NS03/NS04	! QUALIFIED	!	! PENETRATION
ELEC-6	! ROME	! XLP/PVC	! QUALIFIED	!	! POWER CABLE
ELEC-7	! BUCHANAN	! 0222	! QUALIFIED	!	! TERMINAL BLOCKS
ELEC-8	! ROME	! XLP/PVC	! QUALIFIED	!	! POWER CABLE
ELEC-9	! KERITE	! HTK/FR	! QUALIFIED	!	! POWER CABLE
ELEC-10	! COLLYER	! BUTYL/NEO	! JCO-7	! RAD/REPLACE	! POWER CABLE
ELEC-11	! ROME	! XLP/PVC/PVC	! QUALIFIED	!	! CONTROL CABLE
ELEC-12	! ROME	! XLP/PVC/PVC	! QUALIFIED	!	! CONTROL CABLE
ELEC-13	! ROME	! XLP/PVC/PVC	! QUALIFIED	!	! CONTROL CABLE
ELEC-14	! STATES	! NT	! QUALIFIED	!	! TERMINAL BLOCK
ELEC-15	! STATES	! NT	! QUALIFIED	!	! TERMINAL BLOCK
ELEC-16	! ROCKBESTOS	! FIREWALL SR	! QUALIFIED	!	! CONTROL CABLE
ELEC-17	! ROCKBESTOS	! FIREWALL SR	! QUALIFIED	!	! CONTROL CABLE
ELEC-18	! GEN ELECTRIC	! CR151	! QUALIFIED	!	! TERMINAL BLOCK
ELEC-19	! BIW	! XLP/NEOPRENE	! QUALIFIED	!	! CONTROL CABLE
ELEC-21	! CINCH JONES	!	! QUALIFIED	!	! TERMINAL BLOCK
ELEC-22	! CERRO	! XLP/NEOPRENE	! QUALIFIED	!	! POWER CABLE
ELEC-23	! LEWIS	! PE/PVC/SHLD	! QUALIFIED	!	! CONTROL CABLE
ELEC-25	! BUCHANAN	!	! QUALIFIED	!	! TERMINAL BLOCK
ELEC-28	! STATES	! NT	! QUALIFIED	!	! TERMINAL BLOCK
ELEC-29	! LEWIS	! PE/PVC	! QUALIFIED	!	! THERMOCOUPLE CABLE
ELEC-30	! LEWIS	! PE/PVC	! QUALIFIED	!	! THERMOCOUPLE CABLE

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

MASTER EQUIPMENT LIST

ID NUMBER	MANUFACTURER	MODEL NUMBER	QUALIFICATION STATUS	DEFICIENCY/RESOLUTION	COMMENTS
MISCELLANEOUS ELECTRICAL EQUIPMENT (CONTINUED)					
ELEC-31	ROCKBESTOS	FIREWALL III	QUALIFIED		CONTROL CABLE
ELFC-34	LEWIS	RG-95(H.T.)	JCO-39	NO DOC/QDR	CO-AXIAL CABLE
ELEC-35			JCO-39	NO DOC/QDR	ELECTRICAL CONNECTOR
ELEC-36	ENDEVCO	3075M6	QUALIFIED		CO-AXIAL CABLE
ELEC-38	ROCKBESTOS	FIREWALL III	QUALIFIED		SIS WIRE
ELEC-39	OKONITE	EPR/HYPALON	QUALIFIED		POWER CABLE
ELEC-40	ROCKBESTOS	FIREWALL III	QUALIFIED		INSTRUMENT CABLE
ELEC-42	ROCKBESTOS	FIREWALL III	QUALIFIED		CO-AXIAL CABLE
ELFC-43	RAYCHEM	VARIOUS	QUALIFIED		CABLE SPLICE KIT
ELEC-44	ROCKBESTOS	FIREWALL III	QUALIFIED		CO-AXIAL CABLE
ELEC-45	LEWIS	RG-95	JCO-39	NO DOC/QDR	CO-AXIAL CABLE
ELEC-46	GEN ELECTRIC	175A9132P008	QUALIFIED		FUSE HOLDER
ELEC-47	GEN ELECTRIC		QUALIFIED		SIS WIRE
ELEC-48	GEN ELECTRIC	167A2452P003	QUALIFIED		FUSE
ELEC-49	ROCKBESTOS	FIREWALL III	QUALIFIED		THERMOCOUPLE CABLE
ELFC-50		600V,PEPS	JCO-29	NO DOC/QDR	SIGNAL CABLE
ELEC-51		600V,VULKENE	JCO-29	NO DOC/QDR	SIGNAL CABLE

VERMONT YANKEE
ENVIRONMENTAL QUALIFICATION
MASTER EQUIPMENT LIST NOTES

- 1) The Master Equipment List consists only of electrical components located in a harsh environment for the design basis accident(s) in which it is relied upon to function (or not fail). These are Category A, B, and D components listed in the EQ Matrix Report.
- 2) These components are presently included on the Master Equipment List, but will be removed from this list once a planned design change is implemented which will make the component function in a mild environment.
- 3) Analog Instrument Cabinets 25-56A and 25-56B consist of scram discharge volume level instrumentation that is associated with Level Transmitters LT3-231 A-H. The instrumentation in these cabinets will be protected from harsh HELB environments by planned design changes. Although this instrumentation is not now included on the Master List, Justification for Continued Operation (JCO) Number 30 has been prepared for the interim period until the design changes are implemented.
- 4) A design change is planned which will prevent failures associated with MOV-70-118 from adversely affecting Reactor Building closed cooling water supply to the fuel pool cooling heat exchangers. Although MOV-70-118 and associated controls are not included on the Master List, Justification for Continued Operation (JCO) Number 65 has been prepared for the interim period until the design change is implemented.
- 5) A design change is planned which will prevent failure of the fuel pool cooling pumps' local indicating lights on Racks 10 and 11 from adversely affecting FP cooling pump operation. These lights will be removed from the Master List once the design change is implemented.
- 6) MOV-10-32 is not included on the Master List based upon a pending exemption to delete Type C leak rate test requirements. However,

Justification for Continued Operation (JCO) Number 43 has been prepared for the interim period until the exemption is approved.

- 7) MCC-6A and 7A are non-Class 1E and are not included on the Master List. They presently supply power to the fuel pool cooling pumps. A design change is planned that will change the power source for these pumps to Class 1E MCCs that are within the scope of the EQ program. Justification for Continued Operation (JCO) Number 4 has been prepared for the interim period until the design change is implemented.
- 8) The inverters and Battery System (UPS-1A and 1B) that supply uninterruptible power to LPCI valves are not included on the Master List. A design change is planned that will allow manual transfer of power supply to LPCI valves if the UPS fails. Justification for Continued Operation (JCO) Number 6 has been prepared for the interim period until the design change is implemented.
- 9) A design change is planned to prevent failure of non-Class 1E drywell cooling components from adversely affecting post-accident monitoring drywell air temperature indication. Although these drywell cooling components are not included on the Master List, Justification for Continued Operation (JCO) Number 8 has been prepared for the interim period until the design change is implemented.
- 10) A design change is planned to prevent failure of the auxiliary relay for the HPCI gland seal condenser blower from adversely affecting the Standby Gas Treatment System. Although this relay is not included on the Master List, Justification for Continued Operation (JCO) Number 60 has been prepared for the interim period until the design change is implemented.
- 11) A design change is planned to provide redundant RBCCW surge tank level alarms to aid in long-term post-LOCA makeup. Although the present alarm instrumentation (LSL-104-3) is not included on the Master List, Justification for Continued Operation (JCO) Number 64 has been prepared for the interim period until the design change is implemented. Also, the Master List will be updated to reflect the addition of new level instruments after installation.

- 12) A design change is planned to replace existing fuel pool level alarm instruments with redundant Class 1E instruments.
- 13) A design change is planned to enhance our RWCU High Space Temperature Detection and Isolation System. Justification for Continued Operation (JCO) Number 45 has been prepared for the interim period until the design change is implemented. Also, the Master List will be updated to reflect the addition of new temperature detection components after installation.
- 14) Components designated as "Category D" in the comment column are those components that function prior to the onset of a harsh environment and whose subsequent failure will not adversely affect any safety functions. The technical basis for components in this category is provided in the "Vermont Yankee Electrical Component Matrix Report".

ENCLOSURE 1

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH
CENTER TER-C5257-496
REVISION 1

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
1	Limit Switch NAMCO EA740	II.A	Similarity Aging Qualified Life	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
2	Limit Switch NAMCO EA740	II.A	Similarity Aging Qualified Life	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
3	Limit Switch Microswitch OPDAR6809	I.B	Documentat'on	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office. Some of the equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator.
4	Position Switch General Electric	I.B		Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
5	Temperature Switch Fenwal 17023-6	II.A	Documentation Similarity Steam Exposure	These switches will be replaced with qualified Fenwal switches Model (01-170230-090) during the 1984 Refueling Outage.
6	Pressure Switch Static-O-Ring 6NE3CIAGGMMRTTX10	I.B		These switches will be replaced with qualified SOR Model (6TA-B3-NX-C1A-JJTTX6) switches during the 1984 Refueling Outage.
7	Level Indicating Transmitter YARWAY 4418CE	III.B		This equipment will be replaced with qualified Rosemount (1153s) during the 1984 Refueling Outage.
8	Electric Motor General Electric FEJ604011	II.A	Similarity Aging Qualified Life Radiation Functional Test	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
9	Electric Motor General Electric BEJ212003	II.A	Similarity Aging Qualified Life Radiation Functional Test	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
10	Electric Motor Westinghouse S069F46553	II.A	Similarity Aging Qualified Life	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
11	Electric Motor Reliance Electric	II.A	Similarity	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
12	Electric Motor Allis Chalmers RG Frame 215T	I.B	Documentation	Qualified replacement equipment has already been installed per FRC Item #11.
13	Electric Motor Reliance Electric	II.A	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
14	Electric Motor Reliance Electric	II.A	Similarity	The equipment has been deleted from the Master Equipment List because it is part of the CAD System, which is not in the scope of 10CFR50.49.
15	Electric Motor Allis Chalmers 51308578	I.B	Documentation	Qualified replacement equipment has already been installed per FRC Item #13.
16	Electric Motor	I.B	Documentation	The equipment has been deleted from the Master Equipment List because it was going to be replaced by FRC Item 14.
17	Terminal Block General Electric CR151	I.A	None	None required.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
18	Terminal Block Buchanan 0222	II.A	Documentation Similarity	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
19	Terminal Block States NT	I.A.	None	States Type NT Terminal Blocks are used for several thermocouple circuits within the primary containment. The effects of potential leakage currents in this application have been evaluated in documentation on file at our engineering office and the blocks are qualified.
20	Terminal Block States NT	I.A	None	None required.
21	Terminal Block Buchanan	II.A	Documentation Similarity	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
22	Terminal Block States NT	I.A	None	None required.
23	Electrical Penetration General Electric NS02	I.A	None	None required.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
24	Electrical Penetration General Electric NS03	I.A	None	None required.
25	Electrical Penetration General Electric NS04	I.A	None	None required.
26	Pressure Transmitter Rosemount 1152	II.C	Aging Qualified Life	The equipment has been deleted from the Master Equipment List because it is part of the CAD System, which is not in the scope of 10CFR50.49.
27	Level Transmitter Rosemount 1152	I.B		Qualified replacement equipment (Rosemount 1153s) have already been installed.
28	Pressure Transmitter General Electric 552	II.A	Documentation	The equipment has been deleted from the Master Equipment List because we are using other qualified equipment in FRC Item #29, and Item #28 is no longer in the scope of 10CFR50.49.
29	Pressure Transmitter Rosemount 1152	II.C	Aging Qualified Life	Qualified replacement equipment (Rosemount 1153s) have already been installed.
30	Level Transmitter Rosemount 1152T280	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
31	Level Transmitter General Electric GEMAC 555	I.B	Documentation	Equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator.
32	Acoustic Transmitter Babcock & Wilcox	I.B	Documentation	This equipment will be replaced with qualified TEC Models (504E and 160-2) during the 1984 Refueling Outage.
33	Acoustic Accelerometer Babcock & Wilcox	I.B	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
34	Radiation Detector Victoreen 877	I.B	Similarity Pressure Steam Exposure Accuracy	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
35	Thermocouple Conax T 2319029ECSA	II.A	Documentation Aging Qualified Life Aging Simulation Functional Test	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
36	Pressure Transmitter Rosemount 1152	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
37	Hydrogen Analyzer Comsip Delphi KI	IV	Documentation	Qualified replacement equipment (Teledyne 225 CMA-2s) have already been installed.
38	Power Supply Exide 250 kVA	II.A	Documentation	Equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator.
39	Thermocouple Conax 2310-9029-ESCA	II.A	Documentation Aging Qualified Life Aging Simulation Functional Test	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
40	Electric Motor General Electric BEJ205002	II.A	Similarity Aging Qualified Life Radiation Functional Test	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
41	Temperature Element Conax 23109029-ECSA	II.A	Documentation Aging Qualified Life Aging Simulation Functional Test	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
42	Electric Motor General Electric BEJ219001	II.A	Similarity Aging Qualified Life Radiation Functional Test	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
43	Motor-Generator General Electric	II.A	Documentation	The equipment has been deleted from the Master Equipment List. It is not required to be qualified since an alternate qualified power source is available.
44	Motor Control Center Westinghouse Type W	II.A	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
45	Motor Control Center ITE 5600	II.A	Aging Qualified Life Aging Simulation Radiation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
46	Power Panel Westinghouse	II.A	Documentation	This power panel is located in one of the MCCs which are evaluated by FRC Item #47.
47	Motor Control Center Westinghouse Type W	II.A	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
48	Thermocouple Cable Lewis SR/SR	I.B	Documentation	A portion of this equipment has been replaced with qualified Rockbestos thermocouple cable. Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
49	Thermocouple Cable Lewis PE/PVC	I.B	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
50	Thermocouple Cable Lewis PE/PVC	I.A	None	None required.
51	Power Cable Kerite HTK/FR	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
52	Power Cable Collyer Butyl/Neoprene	I.A	None	The environment that this equipment is exposed to is harsher than evaluated by FRC. This equipment will be replaced with qualified Rockbestos 5kV cable during the 1984 Refueling Outage.
53	Power Cable Cerro XLP/Neoprene Firewall III	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
54	Power Cable Cerro EPR/Neoprene	II.A	Similarity	The equipment has been deleted from the Master Equipment List because it supports the CAD System, which is not in the scope of 10CFR50.49. Also, a portion of this cable is associated with components that function prior to a harsh environment.
55	Power Cable Rome XLP/PVC	II.A	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
56	Power Cable Rome XLP/PVC	II.A	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
57	Power Cable Rome XLP/PVC	II.A	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
58	Control Cable Rockbestos Firewall SR	II.A	Similarity	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
59	Control Cable Rockbestos Firewall SR	II.A	Similarity	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
60	Control Cable Cerro XLPE/Neoprene	II.A	Similarity	The equipment has been deleted from the Master Equipment List because it is part of the CAD System, which is not in the scope of 10CFR50.49.
61	Control Cable Rome XLP/PVC/PVC	II.A	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
62	Control Cable Rome XLP/PVC/PVC	II.A	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
63	Control Cable Rome XLP/PVC/PVC	II.A	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
64	Control Cable Lewis PE/PVC/SHLD	I.A	None	None required.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
65	Control Cable BIW XLP/Neoprene	II.A	Documentation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
66	MOV Limitorque SMB-000	I.B	Documentation Aging Qualified Life Radiation	These deficiencies will be corrected by replacement of certain subcomponents with qualified subcomponents during the 1984 Refueling Outage. In addition, our Maintenance and Surveillance Program will address ongoing Aging and Qualified Life.
67	Electric Motor General Electric BEJ219003	II.A	Similarity Aging Qualified Life Radiation Functional Test	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
68	MOV Limitorque SMB-1 SMB-00	II.A	Aging Qualified Life Radiation	These deficiencies will be corrected by replacement of certain subcomponents with qualified subcomponents during the 1984 Refueling Outage. In addition, our Maintenance and Surveillance Program will address ongoing Aging and Qualified Life. One component has been deleted from the Master Equipment List. MOV 10-32 is not required to be qualified since a design change was installed that blanks off the downstream piping and eliminates the safety function of this valve.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
69	Electric Motor General Electric FEJ604010	II.A	Similarity Aging Qualified Life Radiation Functional Test	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
70	MOV Limitorque SMB-4T	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
71	MOV Limitorque SMB-000	I.B	Documentation Aging Qualified Life Radiation	These deficiencies will be corrected by replacement of certain subcomponents with qualified subcomponents during the 1984 Refueling Outage. In addition, our Maintenance and Surveillance Program will address ongoing Aging and Qualified Life.
72	MOV Limitorque SMB-4	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
73	MOV Limitorque SMB-000	I.B.	Documentation Aging Qualified Life Radiation	The equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
74	MOV Limitorque SMB-000 DC Motor	II.A	Documentation Similarity Aging Qualified Life Radiation	These deficiencies will be corrected by replacement of certain subcomponents with qualified subcomponents during the 1984 Refueling Outage. In addition, our Maintenance and Surveillance Program will address ongoing Aging and Qualified Life.
75	MOV Limitorque SMB-000	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
76	MOV Limitorque SMB-000 SMB-2	I.B	Documentation Aging Qualified Life Radiation	Part of these deficiencies have been resolved by additional qualification documentation, which qualifies the equipment, not previously available to FRC which will be on file at our engineering office. The remaining deficiencies will be corrected by replacement of certain subcomponents with qualified subcomponents during the 1984 Refueling Outage. In addition, our Maintenance and Surveillance Program will address ongoing Aging and Qualified Life.
77	MOV Limitorque SMB-2 DC Motor	II.A	Documentation Similarity Aging Qualified Life Radiation	The equipment has been deleted from the Master Equipment List because it is equipment which is required for cold shutdown which is not in the scope of 10CFR50.49.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
78	MOV Limitorque SMB-000	I.B	Documentation Aging Qualified Life Radiation	The equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator.
79	SOV ASCO 8320/8311A31F	I.B	Documentation	Equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator.
80	MOV Limitorque SMB-2	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
81	MOV Limitorque SMB-1	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
82	MOV Limitorque SMB-1	III.A	Exempt	This item was originally exempt. It is now required, and has been determined to be qualified.
83	MOV Limitorque SMB-0 SMB-1 SMB-3 SMB-4	II.C	Aging Qualified Life	Equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
84	MOV Limitorque SMB-1 SMB-000	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
85	Turbine Controls Terry CCS	III.B		This equipment has been deleted from the Master Equipment List since this equipment is only required to function for a small break LOCA event, and its environment is mild for this event. Therefore it is not in the scope of 10CFR50.49
86	Flow Transmitters General Electric 555111BDAAPBJ	III.B		The equipment has been deleted from the Master Equipment List since this equipment is only required to function for a small break LOCA event, and its environment is mild for this event. Therefore it is not in the scope of 10CFR50.49.
87	MOV Limitorque	II.A	Documentation Aging Qualified Life Radiation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
88	Temperature Switch Fenwal 17023-6	II.A	Documentation Similarity Steam Exposure	These switches will be replaced with qualified Fenwal switches Model (01-170-230-090) during the 1984 Refueling Outage.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
89	MOV Limitorque SMB-0 SMB-2	II.A	Documentation Similarity Aging Qualified Life Radiation	The ultimate injection valves have been deleted from the Master Equipment List because they are no longer required, and therefore are not in the scope of 10CFR50.49.
90	Pressure Switch Barton 288	II.A	Documentation Similarity	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
91	MOV Limitorque SMB-0 SMB-00 SMB-2 SMB-3 SMB-4	II.A	Aging Qualified Life Radiation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
92	MOV Limitorque SMB-0 SMB-2 SMB-4T	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
93	Level Transmitter Rosemount 1152T280	II.C	Aging Qualified Life	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
94	Pressure Switch Barton 288	II.A	Documentation Similarity	One of these switches has already been replaced with qualified equipment (Rosemount 1153). The other will be replaced during the 1984 Refueling Outage.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
95	MOV Limitorque SMB-1 SMB-2	II.A	Documentation Aging Qualified Life Temperature Radiation	Some of this equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator. Some will be qualified by installing replacement subcomponents during the 1984 Refueling Outage. The remaining have qualification documentation, not previously available to FRC, which qualifies the equipment and is on file at our engineering office. In addition, our Maintenance and Surveillance Program will address ongoing Aging and Qualified Life.
96	Pressure Switch Barksdale B2TA12SS	II.A	Aging Qualified Life Temperature Steam Exposure Radiation Margin	The equipment has been deleted from the Master Equipment List because we are using other qualified equipment, and therefore it is no longer in the scope of 10CFR50.49.
97	Turbine Controls Terry GS1	III.A		This equipment has been deleted from the Master Equipment List since this equipment is only required to function for a small break LOCA event, and its environment is mild for this event. Therefore it is not in the scope of 10CFR50.49.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
98	Pressure Switch Barksdale D2HA150SS	III.B		This equipment has been deleted from the Master Equipment List since this equipment is only required to function for a small break LOCA event, and its environment is mild for this event. Therefore it is not in the scope of 10CFR50.49.
99	SOV ASCO NP831654E	II.C	Aging	The equipment has been deleted from the Master Equipment List because this equipment is associated with the fast closing valves which will not be installed.
100	SOV ASCO 2063816F	I.B	Documentation Similarity	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
101	MOV Limiterque SMB-1	II.A	Documentation Aging Qualified Life Radiation	This equipment has been deleted from the Master Equipment List since this equipment is only required to function for a small break LOCA event, and its environment is mild for this event. Therefore it is not in the scope of 10CFR50.49.
102	SOV ASCO 2068323	I.B	Documentation Similarity	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
103	SOV ASCO 8320C29F 8311A31F	I.B	Documentation	Qualified replacement valves ASCO (206-380-7F) have already been installed.
104	MOV Limiterque SMB-3 SMB-4T	II.A	Aging Qualified Life Radiation	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
105	SOV ASCO 8315C22	I.B	Documentation	Equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator.
106	SOV ASCO NP1	II.A	Aging Similarity	Qualification documentation, not previously available to FRC, which qualifies the equipment, will be on file at our engineering office.
107	Radiation Monitor General Electric 194X927G12	II.A	Documentation	Equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
108	SOV ASCO NP1	II.A	Documentation Similarity Aging Duration	Equipment performs its function before its exposure to the harsh environment and subsequent failure of the equipment does not degrade other safety functions or mislead the operator.
109	SOV Target Rock 75E002	II.A	Similarity Aging	Some of these valves have qualification documentation not previously available to FRC, which qualifies them and is on file at our engineering office. Some of the valves perform their function before their exposure to the harsh environment and subsequent failure of the valve does not degrade other safety functions or mislead the operator. One valve will be replaced with qualified Target Rock Model 82-U valve during the 1984 Refueling Outage.
110	SOV Target Rock 75E001	II.A	Similarity Aging	FRC Item #110 has been superseded by FRC Item #109.
111	SOV Atkomatic 15840VPIMOD	I.B	Documentation	These valves will be replaced with qualified Target Rock Model (82-U) valves during the 1984 Refueling Outage.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
112	SOV Target Rock 75E002	II.A	Similarity Aging	One valve performs its function before its exposure to the harsh environment and subsequent failure of the valve does not degrade other safety functions or mislead the operator. Two valves will be replaced with qualified Target Rock Model 82-U valves during the 1984 Refueling Outage.
113	SOV Atkomatic 15840VPIMOD	I.B	Documentation	These valves will be replaced with qualified Target Rock Model 82-U valves during the 1984 Refueling Outage.
114	SOV ASCO NP8323A36V	II.C	Aging	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
115	SOV ASCO NP8323A36V	II.C	Aging	These concerns will be addressed in the ongoing Maintenance and Surveillance Program.
116	Motor Control Center Westinghouse Type W	II.A	Documentation	This equipment has been deleted from the Marter Equipment List since this equipment is only required to function for a small break LOCA event, and its environment is mild for this event. Therefore, it is not in the scope of 10CFR50.49.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
117	Motor Control Center Westinghouse Type W	II.A	Documentation	The equipment has been deleted from the Master Equipment List since this equipment is only required to function for a small break LOCA event and its environment is mild for this event. Therefore, it is not in the scope of 10CFR50.49.
118	Temperature Switch Fenwal 17023-6	II.A	Documentation Similarity Steam Exposure	These switches will be replaced with qualified Fenwal switches Model (01-170-230-090) during the 1984 Refueling Outage.
119	Pressure Switch Barksdale B2TM12SS	III.B		This equipment has been deleted from the Master Equipment List since this equipment is only required to function for a small break LOCA event, and its environment is mild for this event. Therefore, it is not in the scope of 10CFR50.49.
120	Flow Transmitter General Electric GE/MAC 555	III.B		This equipment has been deleted from the Master Equipment List since this equipment is only required to function for a small break LOCA event, and its environment is mild for this event. Therefore, it is not in the scope of 10CFR50.49.

STATUS OF ITEMS ADDRESSED
IN FRANKLIN RESEARCH CENTER TER-C5257-496

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>DEFICIENCIES</u>	<u>PROPOSED RESOLUTION</u>
121	Pressure Switch Barksdale D2HM12SS	III.B		This equipment has been deleted from the Master Equipment List since this equipment is only required to function for a small break LOCA event, and its environment is mild for this event. Therefore, it is not in the scope of 10CFR50.49.
122	Pressure Transmitter General Electric GE/MAC 552	II.A	Documentation	The equipment has been deleted from the Master Equipment List because we are using other qualified equipment and it is no longer in the scope of 10CFR50.49.

ADDITIONAL ITEMS ADDED SINCE
THE FRC TECHNICAL EVALUATION REPORT

<u>Description</u>	<u>Status</u>
Solenoid Valve Target Rock 82-U	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
H ₂ /O ₂ Monitors Teledyne 225CMA-2	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Solenoid Valve Asco HVA90-405-2A	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Solenoid Valve Asco HPX 8211C13	This equipment will be replaced by ASCO Model (NP-8316 A77E) valves, which are environmentally qualified, during the 1984 refueling outage.
Solenoid Valve Asco HBT-8300-D58F	This equipment will be replaced by ASCO Model (206-380-2F) valves, which are environmentally qualified, during the 1984 refueling outage.
Battery C&D KC-9	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Battery Charger C&D ARR24CE50F3	This equipment will be relocated to an area with a mild environment during the 1984 refueling outage.
Distribution Panel Mercury	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Distribution Panel (VAC-B) General Electric	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.

ADDITIONAL ITEMS ADDED SINCE
THE FRC TECHNICAL EVALUATION REPORT

<u>Description</u>	<u>Status</u>
Electric Heaters and Thermostat Chromalox D106-114426-000	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Flow Switch McDonald-Miller NP-8	This equipment will be qualified or will be replaced by environmentally qualified equipment during the 1984 refueling outage.
Temperature Switch Fenwal 17002-40	This equipment will be replaced by Fenwal Model (01-170020-090) switches, which are environmentally qualified, during the 1984 refueling outage.
Level Transmitters Rosemount 1152's	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Pressure Switch Barksdale B2T-A12-SS	This equipment will be replaced by Static-O-Ring Model (5TA-B45-NX-C1A-JJTTX6) and Model (9TA-B45-NX-C1A-JJTTX6) switches, which are environmentally qualified, during the 1984 refueling outage.
Trip Cards Rosemount 510 DU's	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Relays Agastat EGPB001	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Trip Cards Rosemount 510 DU's	This equipment will be replaced by Rosemount Model (710 DUs), which are environmentally qualified, during the 1984 refueling outage.
Relays Agastat ETR14B3B001	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Level Transmitters Rosemount 1153's	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Pressure Switches PCI A1711	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.

ADDITIONAL ITEMS ADDED SINCE
THE FRC TECHNICAL EVALUATION REPORT

<u>Description</u>	<u>Status</u>
Pressure Switches PENN P72AA-997	This equipment will be replaced by Static-O-Ring Model (5TA-BB45-NX-C1A-JJTTX6) switches, which are environmentally qualified, during the 1984 refueling outage.
Limit Switches Namco SL-3	This equipment will be replaced by Namco Model (EA-740-20000) switches, which are environmentally qualified, during the 1984 refueling outage.
Power Supply Elma 164C5261	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Power Supply Elma 164C5261	This equipment will be relocated to an area where the environment is within the qualification limits of the equipment during the 1984 refueling outage.
Control Panel (RHR Alt S/D) Mercury N/A	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Differential Pressure Transmitter GE/MAC 552	This equipment will be replaced by Rosemount (1153s), which are environmentally qualified, during the 1984 refueling outage.
Flow Switch Barton 289A	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Motor Operator Limitorque	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Position Transmitter Limitorque N/A	This equipment is currently being re-evaluated, this item will be deleted from the Master Equipment List or environmentally qualified.
Alternate Shutdown Control Panel (RCIC) Mercury N/A	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Manual Transfer Switch (D.C.) Westinghouse MTSS	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.

ADDITIONAL ITEMS ADDED SINCE
THE FRC TECHNICAL EVALUATION REPORT

<u>Description</u>	<u>Status</u>
Local Starter (VLJ-16) Westinghouse Type W	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Local Indicating Lights -	A design change is planned during the 1984 refueling outage which will prevent failure of the fuel pool cooling pumps' local indicating lights from adversely affecting FP cooling pump operation. These lights will be removed from the Master List once the design change is implemented.
Local Control Switch -	This switch will be replaced by an Electroswitch Series 20 PDG switch, which is environmentally qualified, during the 1984 refueling outage.
Level Switch Jobell Model B	This equipment will be replaced by a FCI Model (8-66) level sensor, which is environmentally qualified, during the 1984 refueling outage.
Level Switch Jobell Model K	This equipment will be replaced by a FCI Model (8-66) level sensor, which is environmentally qualified, during the 1984 refueling outage.
Pump Motor Westinghouse Lifeline T 460V, 125HP, Frame 405T	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Pressure Switch Ashcroft 6480	This equipment will be replaced by Static-O Ring Model (12TA-B45-NX-C1A-TTJJK6) switches, which are environmentally qualified, during the 1984 refueling outage.
Terminal Block Cinch Jones	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Terminal Block Buchanan 0222	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Control Cable Rockbestos Firewall III	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.

ADDITIONAL ITEMS ADDED SINCE
THE FRC TECHNICAL EVALUATION REPORT

<u>Description</u>	<u>Status</u>
Co-Axial Cable Endevco 3075M6	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
SIS Wire Rockbestos Firewall III	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Power Cable Okonite EPR/Hypalon	This equipment will be replaced during the 1984 outage with Rockbestos Rocktherm 5 kV power cable which is qualified.
Instrument Cable Rockbestos Firewall III	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Cable Splice Kit Raychem	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Co-Axial Cable Rockbestos Firewall III	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Fuseholder General Electric 175A9132P008	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
SIS Wire General Electric	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Fuse General Electric 167A2452P003	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Thermocouple Wire Rockbestos Firewall III	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Local Power Range Monitor General Electric 129B3620G026	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.

ADDITIONAL ITEMS ADDED SINCE
THE FRC TECHNICAL EVALUATION REPORT

<u>Description</u>	<u>Status</u>
Co-Axial Cable Lewis RG-95 high temperature	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Co-Axial Cable Lewis RG-95	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Connector Neutron Monitoring	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Control Rod Position Indication General Electric	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Signal Cable 600V Vulkene/Neoprene	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.
Signal Cable 600V PEPS	Documentation which demonstrates that this equipment is environmentally qualified will be on file in our engineering office.