

# SNUPPS

Standardized Nuclear Unit  
Power Plant System

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Rockville, Maryland 20850  
(301) 869-8010

Nicholas A. Petrick  
Executive Director

March 21, 1984

SLNRC 84-0047 FILE: 0278/8021  
SUBJ: Environmental Qualification of  
Mechanical Equipment

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

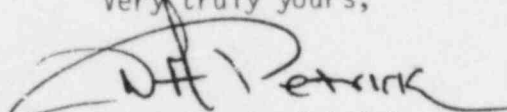
Docket Nos. STN 50-482 and STN-483

- References: 1. NRC letter (B. Youngblood) to Kansas Gas & Electric  
(G. Koester) dated December 19, 1983: Supplement No. 4  
to the Wolf Creek Generating Station, Unit 1 Safety  
Evaluation Report  
2. SLNRC 84-0021, dated February 2, 1984: Same Subject

Dear Mr. Denton:

Reference 1 included the NRC staff evaluation of the environmental qualification program for the SNUPPS plants - Callaway Plant and Wolf Creek Generating Station. Reference 2 provided status information regarding the SNUPPS qualification programs for mechanical equipment. Following receipt of reference 2, the NRC selected three mechanical equipment qualification packages for review (J301, J517A, and M088). The NRC completed review of those packages and returned them without comment. The SNUPPS mechanical qualification program is now complete. The enclosures provide all additional information documenting program completion which the NRC required in Reference 1 to complete their evaluation.

Very truly yours,

  
Nicholas A. Petrick

SLA/nld1b5

Enclosures

cc: D. T. McPhee  
G. L. Koester  
D. F. Schnell

KCPL  
KGE  
UE

J. Neisler/B. Little  
W. Schum/A. Smith  
J. Konklin

USNRC/CAL  
USNRC/WC  
USNRC/RIII

8403260282 840321  
PDR ADOCK 05000482  
A PDR

A048  
1/1

ENCLOSURE 1: MECHANICAL EQUIPMENT QUALIFICATION SUMMARY (1)

Specification	Description	Review Status	Review Results	Follow-Up Act. Req'd.	Comments
C-Sump	Containment Sump Screen	C	Q	No	All Metallic for Safety Functions
C151/C153	Containment Hatches	C	Q	No	
J301	Pressure Transmitters	C	Q	No	All Metallic for Safety Functions
J359	Hydrogen Monitoring System	C	Q	No	Qualified under electrical equipment program
J425	Flow Element	C	Q	No	All Metallic
J515A	Pressure Guages	C	Q	No	All Metallic for Safety Functions
J517A	Pressure Switches and Indicators	C	Q	No	
J555/J558/ J558B	Thermowell	C	Q	No	All Metallic
J603A	Check Valves	C	Q	No	
J705	Instrument Valves	C	Q	No	
M088	Pump	C	Q	No	
M105B-1	Tanks, ASME III	C	Q	No	
M105B-2	Discharge Pulsation Dampener	C	Q	No	All Metallic
M109A	Tanks	C	Q	No	
M140	Safety Valves	C	Q	No	All Metallic
M141-1	Relief Valves	C	Q	No	

# MECHANICAL EQUIPMENT QUALIFICATION SUMMARY (1)

Specification	Description	Review Status	Review Results	Follow-Up Act. Req'd.	Comments
M141-2	Relief Valves	C	Q	No	All Metallic for Safety Functions
M153	Eductor	C	Q	No	All Metallic
M155	Spray Nozzles	C	Q	No	All Metallic
M218A	Mechanical Snubber	C	Q	No	All Metallic
M221	Valves	C	Q	No	
M223A	Valves	C	Q	No	
M223B	Valves	C	Q	No	
M223C	Valves	C	Q	No	
M224A	Valves	C	Q	No	
M224B	Valves	C	Q	No	
M225	Valves	C	Q	No	
M231A	Valves	C	Q	No	
M231B	Valves	C	Q	No	
M231C	Valves	C	Q	No	Active vlv. Limitorque oper. qual. via elec. equip. program
M236	Valves (Butterfly)	C	Q	No	Qualified under elec. equip. program
M237	Valves (Butterfly)	C	Q	No	Qualified under elec. equip. program

MECHANICAL EQUIPMENT QUALIFICATION SUMMARY (1)

Specification	Description	Review Status	Review Results	Follow-Up Act. Req'd.	Comments
M240	Valves	C	Q	No	All Metallic for Safety Functions
M243	Valves	C	Q	No	
M612	Room Coolers	C	Q	No	
M619.3	Hydrogen Mixing Fans	C	Q	No	Qualified under elec. equip. program
M620	Containment Coolers	C	Q	No	Qualified under elec. equip. program
M627A	Ventilation Dampers	C	Q	No	
M628	Valves (Main Steam Isolation)	C	Q	No	Active func. qual. via elec. program
M630	Valves (Main Feedwater Iso.)	C	Q	No	Active func. qual. via elec. program
M703	Reactor Vessel Internals	C	Q	No	All Metallic
M705	Reactor Flux Thimbles	C	Q	No	All Metallic
M706	Reactor Vessel	C	Q	No	All Metallic
M709	Control Rod Drive Mechanism	C	Q	No	All Metallic for Safety Functions
M711	Steam Generator	C	Q	No	
M712	Reactor Coolant Pump	C	Q	No	
M713	Pressurizer	C	Q	No	
M717	Hydraulic Snubbers	C	Q	No	
M721	Pumps (NSSS, 4 sub-packages)	C	Q	No	

# MECHANICAL EQUIPMENT QUALIFICATION SUMMARY (1)

Specification	Description	Review Status	Review Results	Follow-Up Act. Req'd.	Comments
M722	Heat Exchangers	C	Q	No	
M723	Filters and Tanks (3 sub-pkgs.)	C	NQ	Yes	See follow-up action below
M724	Valves (NSSS, 12 sub-packages)	C	Q	No	
M725	Resistance Temp. Detector Mnfld.	C	Q	No	
M771	Transmitters and Switches (NSSS)	C	Q	No	
W(ESE-21)	Pressure Sensor	C	Q	No	
W(ESE-48)	RVLIS High Volume Sensor	IP		Yes	See follow-up action below
W(HE-9)	Pressurizer PORV	C	Q	No	Being qualified under elec. equip. program (J10 in SLNRC 84-0009)

## Notes:

(1) The following symbols are utilized in the indicated columns of this table:

### Review Status:

C = Complete  
IP = In Progress  
NS = Not Started

### Review Results:

Q = Qualified  
NQ = Not Qualified

(2) M723 Follow-up action is required to qualify the seal water injection filter. The vendor is pursuing options to qualify a boundary seal or isolate the system (limiting radiation to an acceptable level). Pending qualification, a justification for interim operation is provided in enclosure 3.

ESE-48 SNUPPS and the Westinghouse User's Group have not completed review of the Westinghouse Equipment Qualification Data Package, which includes a sub-package for the high volume sensor. Pending completion of the review to establish qualification, a justification for interim operation is provided in enclosure 4.

Enclosure 2

Revised Mechanical Equipment List

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
AB-FT-512	SG A Steam Flow	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
AB-FT-513	SG A Steam Flow	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
AB-FT-522	SG B Steam Flow	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
AB-FT-523	SG B Steam Flow	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
AB-FT-532	SG C Steam Flow	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
AB-FT-533	SG C Steam Flow	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
AB-FT-542	SG D Steam Flow	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
AB-FT-543	SG D Steam Flow	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
AB-HV-0011	Deleted												* 4
AB-HV-0011	Main Steam Iso Valve Loop 4	1508	M 628	A	A	D	T1	F25	F39	T7	T5	NA	* 3
AB-HV-0014	Deleted												* 4
AB-HV-0014	Main Steam Iso Valve Loop 1	1508	M 628	A	A	D	T1	F25	F39	T7	T5	NA	* 3
AB-HV-0017	Deleted												* 4
AB-HV-0017	Main Steam Iso Valve Loop 2	1509	M 628	A	A	D	T1	F25	F39	T7	T5	NA	* 3
AB-HV-0020	Deleted												* 4
AB-HV-0020	Main Steam Iso Valve Loop 3	1509	M 628	A	A	D	T1	F25	F39	T7	T5	NA	* 3
AB-PT-0001	Deleted												* 4
AB-V-0007	Main Stm Press Rlf Line (Upstream of PORV)	1411	M 224A	B	B	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0018	Main Stm Press Rlf Line (Upstream of PORV)	1411	M 224A	B	B	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0029	Main Stm Press Rlf Line (Upstream of PORV)	1412	M 224A	B	B	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0040	Main Stm Press Rlf Line (Upstream of PORV)	1412	M 224A	B	B	U	T1	F25	F39	T7	T5	NA	* 1
AB-V-0045	Safety Valves Loop 4	1508	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0046	Safety Valves Loop 4	1508	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0047	Safety Valves Loop 4	1508	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0048	Safety Valves Loop 4	1508	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1

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03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
AB-V-0049	Safety Valves Loop 4	1508	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0055	Safety Valves Loop 1	1508	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0056	Safety Valves Loop 1	1508	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0057	Safety Valves Loop 1	1508	M 140	P	A	D	T1	F25	F39	T7	T5	NA	* 2
AB-V-0058	Safety Valves Loop 1	1508	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0059	Safety Valves Loop 1	1508	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0065	Safety Valves Loop 2	1509	M 140	B	A	D	T1	F25	F39	T7	T5	KA	* 1
AB-V-0066	Safety Valves Loop 2	1509	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0067	Safety Valves Loop 2	1509	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0068	Safety Valves Loop 2	1509	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0069	Safety Valves Loop 2	1509	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0075	Safety Valves Loop 3	1509	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0076	Safety Valves Loop 3	1509	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0077	Safety Valves Loop 3	1509	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0078	Safety Valves Loop 3	1509	M 140	B	A	D	T1	F25	F35	T7	T5	NA	* 1
AB-V-0079	Safety Valves Loop 3	1509	M 140	B	A	D	T1	F25	F39	T7	T5	NA	* 1
AB-V-0085	Steam Line to Aux Feed Pump Turbine (Man)	1412	M 224B	C	B	D	T1	F25	F39	T7	T5	NA	* 2
AB-V-0087	Steam Line to Aux Feed Pump Turbine	1412	M 224B	C	B	D	T1	F25	F39	T7	T5	NA	* 2
AB-V-0701	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0702	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0703	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0704	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0705	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0706	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0707	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1

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03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
AB-V-0708	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0709	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0710	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0711	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0712	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0713	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0714	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0715	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0716	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0717	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0718	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0719	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0720	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0721	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0722	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0723	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0724	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0725	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0726	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0727	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0728	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0729	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0730	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0731	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AB-V-0732	Level Transm. Sample Vent Vlvs (Man)	2000	J 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
AE-FT-510	SG A Fdwtr Flow	1411	M 771	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-FT-511	SG A Fdwtr Flow	1411	M 771	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-FT-520	SG B Fdwtr Flow	1412	M 771	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-FT-521	SG B Fdwtr Flow	1412	M 771	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-FT-530	SG C Fdwtr Flow	1412	M 771	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-FT-531	SG C Fdwtr Flow	1412	M 771	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-FT-540	SG D Fdwtr Flow	1411	M 771	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-FT-541	SG D Fdwtr Flow	1411	M 771	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-FV-0039	Deleted												* 4
AE-FV-0039	Feedwater Isolation Valve Loop 1	1411	M 630	A	A	D	T1	F25	F39	T7	T5	NA	* 4
AE-FV-0040	Deleted												* 4
AE-FV-0040	Feedwater Isolation Valve Loop 2	1412	M 630	A	A	D	T1	F25	F39	T7	T5	NA	* 3
AE-FV-0041	Deleted												* 4
AE-FV-0041	Feedwater Isolation Valve Loop 3	1412	M 630	A	A	D	T1	F25	F39	T7	T5	NA	* 3
AE-FV-0042	Deleted												* 4
AE-FV-0042	Feedwater Iso Vlv Loop 4 (Motor)	1411	M 630	A	A	D	T1	F25	F39	T7	T5	NA	* 3
AE-V-0120	Feedwater Isol Valve Loop 2 (Check)	2201	M 224A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AE-V-0121	Feedwater Isol Valve Loop 1 (Check)	2201	M 224A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AE-V-0122	Fwtr Iso Vlv Loop 4 (Check)	2201	M 224A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AE-V-0123	Feedwater Iso Valve Loop 3 (Check)	2201	M 224A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AE-V-0124	Aux Fdwtr Iso Vlv Loop 2 (Check)	1412	M 224B	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-V-0125	Aux Feedwater Isol Valve Loop 1 (Check)	1411	M 224B	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-V-0126	Aux Fwtr Iso Vlv Loop 4 (Check)	1411	M 224B	B	B	D	T1	F25	F39	T7	T5	NA	* 1
AE-V-0127	Aux Fwtr Iso Valve Loop 3 (Check)	1412	M 224B	B	B	D	T1	F25	F39	T7	T5	NA	* 1
AE-V-0132	Ammonia & Hydrazine Iso Vlv Loop 2 (Check)	1412	M 231C	B	B	D	T1	F25	F39	T7	T5	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM EHV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
AE-V-0133	Ammonia & Hydrazine Iso Vlv Loop 1 (Check)	1411	M 231C	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-V-0134	Ammonia & Hydrazine Iso Vlv Loop 4 (Check)	1411	M 231C	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-V-0135	Ammonia & Hydrazine Iso Valve Loop 3 (Check)	1412	M 231C	B	B	D	T1	F25	F39	T7	T5	NA	* 2
AE-V-0325	S.G. A Wet Layup Connection (Man)	1411	M 224A	B	B	D	T1	F25	F39	T7	T5	NA	* 1
AE-V-0326	S.G. B Wet Layup Connection (Man)	1412	M 224A	B	B	D	T1	F25	F39	T7	T5	NA	* 1
AE-V-0327	S.G. C Wet Layup Connection (Man)	1412	M 224A	B	B	D	T1	F25	F39	T7	T5	NA	* 1
AE-V-0328	S.G. D Wet Layup Connection (Man)	1411	M 224A	B	B	D	T1	F25	F39	T5	T5	NA	* 1
AE-V-0329	S.G. A Fdwtr Inlet Ck Vlv Bypass (Man)	2000	M 224A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AE-V-0330	S.G. B Fdwtr Inlet Ck Vlv Bypass (Man)	2000	M 224A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AE-V-0331	S.G. C Fdwtr Inlet Ck Vlv Bypass (Man)	2000	M 224A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AE-V-0332	S.G. D Fdwtr Inlet Ck Vlv Bypass (Man)	2000	M 224A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
AL-HV-0030	ESW To Aux. Feed Pump B	1206	M 236	C	D	C	T1	F9	F30	T7	T5	NA	* 3
AL-HV-0031	ESW To Aux. Feed Pump A	1206	M 236	C	D	C	T1	F9	F30	T7	T5	NA	* 3
AL-HV-0032	Turbine AF Pump Suction From ESW A	1207	M 236	C	D	C	T1	F9	F30	T7	T5	NA	* 3
AL-HV-0033	Turbine AF Pump Suction From ESW B	1207	M 236	C	D	C	T1	F9	F30	T7	T5	NA	* 3
AL-HV-0034	CST To Aux. Feed Pump B	1206	M 223A	C	D	C	T1	F9	F30	T7	T5	NA	* 3
AL-HV-0035	CST To Aux. Feed Pump A	1206	M 223A	C	D	C	T1	F9	F30	T7	T5	NA	* 3
AL-HV-0036	Turbine AF Pump Suction From CST	1207	M 223A	C	D	C	T1	F9	F30	T7	T5	NA	* 3
AL-PAL01A	Motor Driven Aux Feed Pump A	1325	M 021	C	D	D	T1	NA	NA	T7	NA	NA	* 2
AL-PAL01B	Motor Driven Aux Feed Pump B	1326	M 021	C	D	D	T1	NA	NA	T7	NA	NA	* 2
AL-PAL02	Turbine Driven Aux Fd Pump	1331	M 021	C	D	C	T1	NA	NA	T7	NA	NA	* 1
AL-PI-0014	Mot Aux Fdwtr Pmp 2 Disch	1325	J 515A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-PI-0017	Mot Aux Fdwtr Pmp 1 Disch	1326	J 515A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-PI-0020	Turb Aux Fdwtr Pmp Disch	1331	J 515A	C	D	C	T1	NA	NA	T7	NA	NA	* 1
AL-PI-0027	Mot Aux Fdwtr Pmp 2 Suct	1325	J 515A	C	D	D	T1	NA	NA	T7	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
AL-PI-0028	Cst to Mot Aux Fdw Pmp 1 Suct	1326	J 515A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-PI-0029	Turb Aux Feedwater Pmp Suct	1331	J 515A	C	D	C	T1	NA	NA	T7	NA	NA	* 1
AL-PT-0013	Mot Aux Fdwtr Pmp 2 Disch	1325	J 301	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-PT-0015	Mot Aux Fdwtr Pmp 2 Disch	1325	J 301	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-PT-0016	Mot Aux Fdwtr Pmp 1 Disch	1326	J 301	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-PT-0018	Mot Aux Fdwtr Pmp 1 Disch	1326	J 301	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-PT-0019	Turb Aux Fdwtr Pmp Disch	1329	J 301	C	D	D	T1	F47	F48	T7	T5	NA	* 1
AL-PT-0021	Turb Aux Fdwtr Pmp Disch	1331	J 301	C	D	C	T1	NA	NA	T7	NA	NA	* 1
AL-V-0001	TAF Pmp Suct - CST (Check)	1129	M 223A	C	D	B	T1	F9	F30	T7	T5	NA	* 1
AL-V-0002	CST to Aux Fwtr Pump A (Check)	1128	M 223A	C	D	B	T1	F9	F30	T7	T5	NA	* 1
AL-V-0003	CST to AF Pump B (Check)	1128	M 223A	C	D	B	T1	F9	F30	T7	T5	NA	* 1
AL-V-0005	ESW to Aux Feed Pump B (Manual)	1325	M 223C	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0006	ESW to Aux Feed Pump B (Check)	1325	M 223A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0008	ESW to Aux Feed Pump A (Man.)	1326	M 223C	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0009	ESW to Aux Feed Pump A (Check)	1326	M 223A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0011	TAF Pump Suct - ESW A (Man.)	1331	M 223A	C	D	C	T1	NA	NA	T7	NA	NA	* 1
AL-V-0012	TAF Pmp Suct - ESW A (Check)	1331	M 223A	C	D	C	T1	NA	NA	T7	NA	NA	* 1
AL-V-0014	TAF Pump Suct - ESW Pump B (Man.)	1331	M 223A	C	D	C	T1	NA	NA	T7	NA	NA	* 1
AL-V-0015	TAF Pmp Suct - ESW B (Check)	1331	M 223A	C	D	C	T1	NA	NA	T7	NA	NA	* 1
AL-V-0029	AF Pump B Recirc Line (Check)	1325	M 231C	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0030	AF Pmp B Discharge (Check)	1324	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0031	AF Pmp B Discharge (Man.)	1324	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0032	AF Pmp B Discharge to SG A (Man.)	1324	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0033	AF Pump B Discharge to SG A (Ck)	1324	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0034	AF Pump B Discharge to SG "A" (Man.)	1324	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
AL-V-0035	AF Pmp B Discharge to SG D (Man.)	1324	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0036	AF Pump B to SG D (Ck)	1324	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0037	AF Pump B to SG D (Man.)	1324	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0041	Aux Feed Pump A Recirc Line (Ck)	1326	M 231C	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0042	AF Pump A Discharge (Ck)	1328	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0043	AF Pmp A Discharge (Man.)	1328	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0044	AF Pmp A Discharge to SG "C" (Man.)	1328	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0045	AF Pump A to SG C (Ck)	1328	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0046	AF Pump A to SG "C" (Man.)	1328	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0047	AF Pump A to SG "B" (Man.)	1328	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0048	AF Pump A Discharge to SG B (Ck)	1328	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0049	AF Pump A Discharge to SG B (Man.)	1328	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0052	TAF Return to CST (Man.)	1331	M 224B	C	D	C	T1	NA	NA	T7	NA	NA	* 1
AL-V-0053	TAF Pmp Recirc Line (Check)	1331	M 224B	C	D	C	T1	NA	NA	T7	NA	NA	* 1
AL-V-0054	TAF Pmp Discharge (Check)	1330	M 224A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0055	TAF Pmp Discharge (Man)	1330	M 224A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0056	TAF Pmp Discharge to SG A	1327	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0057	TAF Pmp Discharge to SG A (Ck)	1327	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0058	TAF Pmp Discharge to SG A (Man.)	1327	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0061	TAF Pmp Discharge to SG D (Man.)	1327	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0062	TAF Pmp to SG D (Ck)	1327	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0063	TAF Pmp Discharge to SG D (Man.)	1327	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0066	TAF Pmp Discharge to SG B (Man.)	1330	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0067	TAF Pmp Discharge to SG B (Ck)	1330	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0068	TAF Pmp Discharge to SG B (Man.)	1330	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
AL-V-0071	TAF Pmp Discharge SG C (Man.)	1330	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0072	TAF Pmp to SG C (Ck)	1330	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0073	TAF Pmp to SG C (Man.)	1330	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0076	Connection Hdr Between Aux Feed Pmp A&B Dis. (Man)	1325	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
AL-V-0077	Connection Hdr Between Aux Feed Pmp A&B Dis. (Man)	1326	M 224B	C	D	D	T1	NA	NA	T7	NA	NA	* 1
BB-C-001	PRT Inst Vlv (Man)	2000	M 243	C	C	D	T1	F3	F6	T6	T5	T3	* 4
BB-C-002	PRT Inst Vlv (Man)	2000	M 243	C	C	D	T1	F3	F6	T6	T5	T3	* 4
BB-C-003	PRT Inst Vlv (Man)	2000	M 243	C	C	D	T1	F3	F6	T6	T5	T3	* 4
BB-EBB01A	Stm Gen Loop B	2000	M 711	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-EBB01B	Stm Gen Loop A	2000	M 711	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-EBB01C	Stm Gen Loop C	2000	M 711	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-EBB01D	Stm Gen Loop D	2000	M 711	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FI-0017	RCP 1A Thrn Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FI-0018	RCP 1B Thrn Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FI-0019	RCP 1C Thrn Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FI-0020	RCP 1D Thrn Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FI-0033	RCP 1A Mtr Clg Flow	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FI-0034	RCP 1B Mtr Clg Flow	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FI-0035	RCP 1C Mtr Clg Flow	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FI-0036	RCP 1D Mtr Clg Flow	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FIS-417	CL 1 RTD Man Disch	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-FIS-427	CL 2 RTD Man Disch	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-FIS-437	CL 3 RTD Man Disch	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-FIS-447	CL 4 RTD Man Disch	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-FT-0025	RCP 1A Mtr Cooling	2000	J 301	B	B	D	Y1	F3	F6	T6	T5	T3	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	F	R	H	SP	
BB-FT-0026	RCP 1B Mtr Cooling	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FT-0027	RCP 1C Mtr Cooling	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FT-0028	RCP 1D Mtr Clg F1	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FT-0029	RCP 1A Mtr Clg F1	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FT-0030	RCP 1B Mtr Clg F1	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FT-0031	RCP 1C Mtr Clg F1	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FT-0032	RCP 1D Mtr Clg	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FT-0033	RCP 1A Mtr Clg Flow	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FT-0034	RCP 1B Mtr Clg Flow	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FT-0035	RCP 1C Mtr Clg Flow	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-FT-0036	RCP 1D Mtr Clg Flow	2000	J 301	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-HV-0013	RCP Thermal Barrier Cooler Isolation Valve	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 3
BB-HV-0014	RCP Thermal Barrier Cooler Isolation Valve	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 3
BB-HV-0015	RCP Thermal Barrier Cooler Isolation Valve	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 3
BB-HV-0016	RCP Thermal Barrier Cooler Isolation Valve	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 3
BB-HV-8000A	Pressurizer PORV Isolation Valve	2601	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 3
BB-HV-8000B	Pressurizer PORV Isolation Valve	2601	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 3
BB-HV-8026	Deleted												* 4
BB-HV-8026	Ctmt Iso Vlv Nitrogen Supply to Prt	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2
BB-HV-8027	Deleted												* 4
BB-HV-8027	Ctmt Iso Vlv Nitrogen Supply to Prt	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 2
BB-HV-8031	PRT to RCDT	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-HV-8032	Rv Seal Leak Off to RCDT	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-HV-8037A	PRT Emergency Drain Line	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 3
BB-HV-8037B	PRT Emergency Drain Line	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 3

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BB-HV-8351A	RCP Seal Injection Containment Isolation Valve	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
BB-HV-8351B	RCP Seal Injection Containment Isolation Valve	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
BB-HV-8351C	RCP Seal Injection Containment Isolation Valve	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
BB-HV-8351D	RCP Seal Injection Containment Isolation Valve	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
BB-HVS-1,2,3,4	HIGH VOLUME SENSORS (RVLIS)	2000	ESE-48	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-LT-462	Pressurizer Level	2601	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-PBB01A	RCP A	2000	M 712	B	B	D	T1	F3	F6	T6	T5	T3	* 3
BB-PBB01B	RCP B	2000	M 712	B	B	D	T1	F3	F6	T6	T5	T3	* 3
BB-PBB01C	RCP C	2000	M 712	B	B	D	T1	F3	F6	T6	T5	T3	* 3
BB-PBB01D	RCP D	2000	M 712	B	B	D	T1	F3	F6	T6	T5	T3	* 3
BB-PBB02A	RCP Oil Lift Pump	2000	M 712	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BB-PBB02B	RCP Oil Lift Pump	2000	M 712	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BB-PBB02C	RCP Oil Lift Pump	2000	M 712	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BB-PBB02D	RCP Oil Lift Pump	2000	M 712	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BB-PCV-0455A	Pressurizer Power-Operated Relief Valve	2601	W (HE-9)	A	A	D	T1	F3	F6	T6	T5	T3	* 2
BB-PCV-0455B	Pressurizer Spray Iso Vlv	2601	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-PCV-0455C	Pressurizer Spray Iso Vlv	2601	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-PCV-0456A	Pressurizer Power-Operated Relief Valve	2601	W (HE-9)	A	A	D	T1	F3	F6	T6	T5	T3	* 2
BB-PI-0001	RCP 1A Thrm Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-PI-0002	RCP 1B Thrm Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-PI-0003	RCP 1C Thrm Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-PI-0004	RCP 1D Thrm Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-PI-0005	RCP 1A Thrm Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-PI-0006	RCP 1B Thrm Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-PI-0007	RCP 1C Thrm Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-PI-0008	RCP 1D Thrm Barr Clg	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BB-PI-402	RHR Pump B Suct Press	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-PI-404	RHR Pump A Suct Press	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-PT-0153	RCP A No. 1 Seal Pressure	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-PT-150	RCP D No. 1 Seal Pressure	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-PT-151	RCP C No. 1 Seal Pressure	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-PT-152	RCP B No. 1 Seal Pressure	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-PT-469	PRT Pressure	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-PV-8702A	RHR Pump Suction Isolation Valve	2000	M 724	C	A	D	T1	F3	F6	T6	T5	T3	* 3
BB-PV-8702B	RHR Pump Suction Isolation Valve	2000	M 724	C	A	D	T1	F3	F6	T6	T5	T3	* 3
BB-RBB01	Reactor Vessel	2000	M 706	B	B	D	T1	F3	F6	T6	T5	T3	* 4
BB-RBB02	RV Internals	2000	M 703	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-RBB03	CRDM	2000	M 709	A	A	D	T1	F3	F6	T6	T5	T3	* 1
BB-RBB04	CRDM Adapter Plugs	2000	M 709	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-RBB06	Seal Table	2000	M 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-RBB07	Flux Thimbles	2000	M 705	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-RBB08	CRDM Capped Latch Housing	2000	M 709	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-RBB09	Deleted												* 4
BB-RBB10A	RV Alignment Pin	2000	M 706	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-RBB10B	RV Alignment Pin	2000	M 706	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-RBB10C	RV Alignment Pin	2000	M 706	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-RBB11	Deleted												* 4
BB-SBB02A	RTD HL Loop 1	2000	M 725	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-SBB02B	RTD HL Loop 2	2000	M 725	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-SBB02C	RTD HL Loop 3	2000	M 725	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-SBB02D	RTD HL Loop 4	2000	M 725	B	B	D	T1	F3	F6	T6	T5	T3	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BB-SBB03	Deleted												* 4
BB-SBB05A	RTD CL Loop 1	2000	M 725	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-SBB05B	RTD CL Loop 2	2000	M 725	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-SBB05C	RTD CL Loop 2	2000	M 725	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-SBB05D	RTD CL Loop 2	2000	M 725	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-TBB03	Pressurizer	2000	M 713	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0001	Inj Tank Inj Line Iso (Check)	2000	M 231C	A	A	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-0022	Boron Inj Tank Inj Line Iso (Check)	2000	M 231C	A	A	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-0040	Boron Inj Tank Inj Line Iso (Check)	2000	M 231C	A	A	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-0059	SIS Boron Inj Tank Iso (Check)	2000	M 231C	A	A	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-0082	Pressurizer Spray Bypass Vlv (Man)	2601	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0083	Pressurizer Spray Bypass Vlv (Man)	2601	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0084	CVCS Aux Spray Iso (Ck)	2602	M 231C	C	C	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-0097	PRT to LT-470 (Man)	2000	M 243	C	C	D	T1	F3	F6	T6	T5	T3	* 4
BB-V-0098	PRT to LT-470 (Man)	2000	M 243	C	C	D	T1	F3	F6	T6	T5	T3	* 4
BB-V-0099	Pressurizer to LT-459 (Man)	2601	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0102	Pressurizer to LT-460 (Man)	2601	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0108	Pressurizer to LT-461 (Man)	2601	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0113	RCP A Mtr Air Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0114	RCP A Mtr Air Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0118	RCP Seal Inj Ctmt Isol Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0120	RCP Seal Inj RCS Isolation Check Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0121	RCP Seal Inj RCS Isolation Check Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0122	CCW to RCP Thermal Barrier Cooler (Check)	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0124	RCP A Therm Barrier Cooling Coil Press Relief Vlv	2000	M 141	B	B	D	T1	F3	F6	T6	T5	T3	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BB-V-0143	RCP B Mtr Air Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0144	RCP B Mtr Air Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0148	RCP Seal Inj Ctmt Iso Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0150	RCP Seal Inj RCS Isolation Check Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0151	RCP Seal Inj RCS Isolation Check Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0152	CCW to RCP Thermal Barrier Cooler (Check)	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0154	RCP B Therm Barrier Cooling Coil Press Relief Vlv	2000	M 141	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0173	RCP C Mtr Air Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0174	RCP C Mtr Air Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0178	RCP Seal Inj Ctmt Iso Valve (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0180	RCP Seal Inj RCS Isolation Check Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0181	RCP Seal Inj RCS Isolation Check Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0182	CCW to RCP Thermal Barrier Cooler (Check)	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0184	RCP C Therm Barrier Cooling Coil Press Relief Vlv	2000	M 141	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0203	RCP D Mtr Air Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0204	RCP D Mtr Air Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0208	RCP Seal Inj Ctmt Iso Valve (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0210	RCP Seal Inj RCS Isolation Check Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0211	RCP Seal Inj RCS Isolation Check Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0212	CCW to RCP Thermal Barrier Cooler (Check)	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0214	RCP D Therm Barrier Cooling Coil Press Relief Vlv	2000	M 141	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0235	RCP A Uppr Brg Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0237	RCP B Uppr Brg Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0239	RCP C Uppr Brg Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0241	RCP D Uppr Brg Cooler - CCW Outlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BB-V-0261	RCP A TBCC - CCW Outlet (Man)	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0262	RCP B TBCC - CCW Outlet (Man)	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0263	RCP C TBCC - CCW Outlet (Man)	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0264	RCP D TBCC - CCW Outlet (Man)	2000	M 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0318	RCP A CCW to TBCC Drain Line (Man)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-0338	RCP C CCW to TBCC Drain Line (Man)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-8010A	Press Safety Relief Vlv	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-8010B	Press Safety Rlf Vlv	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-8010C	Press Safety Rlf Vlv	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-8016A	Seal Table to Hydraulic Sensors (Man)	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-8016B	RV Head Vent to Hydraulic Sensors (Man)	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-8038A	Iso For PRT Inlet Line (Check)	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-8038B	Iso For PRT Inlet Line (Check)	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-8378A	CVCS Charging Iso to RCS Loop 1 (Check)	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-8378B	CVCS Charging Iso to RCS Loop 1 (Check)	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BB-V-8379A	CVCS Alternate Charging Vlv (Check)	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-8379B	CVCS Alternate Charging Vlv (Check)	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-8948A	Safety Inj Accum Iso (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-8948B	SI Accum Iso (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-8948C	SI Accum Iso Vlv (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-8948D	SI Accum Iso Vlv (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-8949A	Safety Inj Pump Iso Vlv Loop 1 (Check)	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-8949B	SI & RHR Iso Vlv Loop 2 (Check)	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-8949C	SI Pump Check Valve Loop 3 (Check)	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2
BB-V-8949D	SI Pump Iso Check Vlv (Check)	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BG-C-0011	Reactor Clnt Filter Outlet to PDI-134 (Drain)(Man)	1306	M 240	C	D	D	T1	F19	F35	T7	T5	NA	* 3
BG-C-0012	Reactor Clnt Filter Inlet to PDI-134 (Drain)(Man)	1306	M 240	C	D	D	T1	F19	F35	T7	T5	NA	* 3
BG-EBG01	Deleted												* 4
BG-EBG01	Ltdn Hx	1125	M 722	C	D	C	T1	F42	F44	T7	T5	NA	* 2
BG-EBG02	Excess Letdn Hx	2000	M 722	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BG-EBG03	Seal Wtr Heat Exchanger	1317	M 722	B	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-EBG05	Ltdn Reheat Hx	1104	M 722	C	D	C	T1	F41	F43	T7	T5	NA	* 1
BG-EBG07	Regen Hx	2000	M 722	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BG-FBG04A	Seal Wtr Inj Filter	1302	M 723	B	D	D	T1	F19	F35	T7	T5	NA	* 5
BG-FBG04B	Seal Wtr Inj Filter	1302	M 723	B	D	D	T1	F19	F35	T7	T5	NA	* 5
BG-FBG05	Seal Water Return Filter	1302	M 723	B	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-FBG06	Reactor Coolant Filter	1302	M 723	C	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-FBG07	Boric Acid Filter	1302	M 723	C	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-FCV-0110A	Boric Acid Filter Discharge Line	1113	M 724	C	D	D	1	F10	F27	T7	T5	NA	* 2
BG-FCV-0110B	Reactor Makeup/BA Filter to VCT Discharge	1318	M 724	C	D	C	T1	F20	NA	T7	T5	NA	* 2
BG-FCV-0111B	BA Blending Tee to VCT Inlet	1318	M 724	C	D	C	T1	F20	NA	T7	T5	NA	* 2
BG-FCV-0121	CCP's Hdr to Normal Charging	1115	M 724	B	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-FT-110	BATP Disch Press	1113	M 771	C	D	D	T1	F10	F27	T7	T5	NA	* 2
BG-FT-111	VCT Inlet Flow From Reactor Make-up Water	1205	M 771	C	D	D	T1	F45	F46	T7	T5	NA	* 2
BG-FT-121	Charging Pump Disch to Regen Hx	1115	M 771	B	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-FT-132	Ltdn Hx Discharge Flow	1123	M 771	C	D	C	T1	(6)	(6)	(6)	(6)	(6)	* 2
BG-FT-142	RCP Seal Wtr Injection	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-143	RCP Seal Wtr Injection	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-144	RCP Seal Wtr Injection	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-145	RCP Seal Wtr Injection	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	S <sup>5</sup>	
BG-FT-154	RCP Seal Wtr Rtn	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-155	RCP Seal Wtr Rtn	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-156	RCP Seal Wtr Rtn	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-157	RCP Seal Wtr Rtn	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-158	RCP Seal Wtr Rtn	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-159	RCP Seal Wtr Rtn	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-160	RCP Seal Wtr Rtn	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-161	RCP Seal Wtr Rtn	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-FT-183	BATPs to Charging Pmp Suct	1113	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
BG-HCV-0123	Excess Ltdn Hx to RCDT	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BG-HCV-0128	RHR Cleanup to Ltdn Hx	1124	M 724	B	D	C	T1	F42	F44	T7	T5	NA	* 1
BG-HCV-0182	Normal Charging to Regen Hx	1115	M 724	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-HV-8100	Seal Water Return Containment Isol Valve	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
BG-HV-8105	Charging Line Containment Isolation Valve	1323	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
BG-HV-8106	Charging Line Isolation Valve	1323	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
BG-HV-8110	CCP A Miniflow Isolation Valve	1114	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
BG-HV-8111	CCP B Miniflow Isolation Valve	1107	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
BG-HV-8112	Seal Water Return Containment Isol Valve	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 3
BG-HV-8133	Ltdn Hx to Boron Conc. Measurement Inst	1306	M 724	C	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-HV-8143	Excess Ltdn Hx to Seal Water Hx to RCDT	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BG-HV-8145	Regen Hx to RCS Pressurizer Spray	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 2
BG-HV-8146	Regen Hx to RCS Loop 1 CL	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-HV-8147	Regen Hx to RCS Loop 4 CL	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-HV-8149A	Regen Hx to Letdown Hx Path A	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-HV-8149B	Regen Hx to Letdown Hx Path B	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1

SHUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BG-HV-8149C	Regen Hx to Letdown Hx Path C	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-HV-8152	Letdown Cntmt Iso Vlv	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 1
BG-HV-8160	Letdown Cntmt Iso Vlv	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 1
BG-LCV-0112A	RC Filter to Recycle Holdup Tank	1306	M 724	C	D	D	T1	F19	F35	T7	T5	NA	* 2
BG-LCV-0112B	VCT Isolation Valve from Charging Pump Suction	1318	M 724	A	D	C	T1	F20	NA	T7	T5	NA	* 5
BG-LCV-0112C	VCT Isolation Valve From Charging Pump Suction	1318	M 724	A	D	C	T1	F20	NA	T7	T5	NA	* 5
BG-LCV-0459	Regen Hx From RCS Loop 3 XL	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-LCV-0460	Regen Hx From RCS Loop 3 XL	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-LT-149	VCT Level	1320	M 771	C	D	C	T1	F18	F36	T7	T5	NA	* 2
BG-PBG02A	Boric Acid Transfer Pump A	1117	M 721	C	D	D	T1	F11	NA	T7	T5	NA	* 4
BG-PBG02B	Boric Acid Transfer Pump B	1116	M 721	C	D	D	T1	F11	NA	T7	T5	NA	* 3
BG-PBG03A	CCPA Lube Oil Pump	1114	M 721	C	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-PBG03B	CCPB Lube Oil Pump	1107	M 721	C	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-PBG04	PD Pump	1115	M 721	B	D	D	T1	F11	NA	T7	T5	NA	* 4
BG-PBG05A	Centrifugal Charging Pump A	1114	M 721	A	D	D	T1	F10	F27	T7	T5	NA	* 3
BG-PBG05B	Centrifugal Charging Pump B	1107	M 721	A	D	D	T1	F10	F27	T7	T5	NA	* 3
BG-PCV-0115	VCT Vent to Waste Gas Compressor	1318	M 724	C	D	C	T1	F20	NA	T7	T5	NA	* 1
BG-PCV-0131	Ltdn Hx to RC Filter	1124	M 724	C	D	C	T1	F42	F44	T7	T5	NA	* 1
BG-PDI-134	Reactor Coolant Filter Press	1307	M 771	C	D	D	T1	F19	F35	T7	T5	NA	* 2
BG-PDI-175	Seal Wtr Rtn Filter Press	1307	M 771	B	D	D	T1	F19	F35	T7	T5	NA	* 2
BG-PI-113	BATP A Disch Press	1117	M 771	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-PI-114	BATP B Disch Press	1116	M 771	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-PI-117	Charging Pump Disch to Regen Hx	1115	M 771	B	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-PI-118	CCP A Discharge Press	1114	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
BG-PI-119	CCP B Discharge Press	1107	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2

SMUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BG-PI-141	Seal Inj Filter B Press	1307	M 771	C	D	D	T1	F19	F35	T7	T5	NA	* 2
BG-PI-186	PDCP Suct Press	1115	M 771	B	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-PI-187	CCP A Suct Press	1114	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
BG-PI-188	CCP B Suct Press	1107	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
BG-PIS-140	Seal Inj Filter A Press	1307	M 771	B	D	D	T1	F19	F35	T7	T5	NA	* 2
BG-PIS-141	Seal Inj Filter A Press	1307	M 771	C	D	D	T1	F19	F35	T7	T5	NA	* 2
BG-PT-120	Charging Pumps Disch Press	1122	M 771	B	D	B	T1	F9	F30	T7	T5	NA	* 2
BG-PT-124	Excess Ltdn Hx to RCDT	2000	M 771	C	C	D	T1	F3	F6	T6	T5	T3	* 2
BG-PT-131	Ltdn Hx Discharge Press	1123	M 771	C	D	C	T1	(6)	(6)	(6)	(6)	(6)	* 2
BG-SBG04A	Ltdn Orifice	2000	M 725	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-SBG04B	Ltdn Orifice	2000	M 725	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-SBG04C	Ltdn Orifice	2000	M 725	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-SBG05	Discharge Pulsation Dampener	1115	M 105B	B	D	D	T1	F11	NA	T7	T5	NA	* 4
BG-SBG06	Deleted												* 4
BG-TBG03A	Boric Acid Tank A	1117	M 105B	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-TBG03B	Boric Acid Tank B	1116	M 105B	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-TBG05	Volume Control Tank	1318	M 723	B	D	B	T1	F20	NA	T7	T5	NA	* 1
BG-TCV-0129	Ltdn Hx to RC Filter	1124	M 724	C	D	C	T1	F42	F44	T7	T5	NA	* 1
BG-TCV-0381A	Ltdn Reheat Hx to Ltdn Hx	1105	M 724	C	D	C	T1	F41	F43	T7	T5	NA	* 1
BG-TCV-0381B	CVCS Ltdn to Ltdn Hx	1124	M 724	C	D	C	T1	F42	F44	T7	T5	NA	* 1
BG-TT-0137A	Excess Letdown Path to PRT Temp	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 5
BG-TT-0137B	Excess Letdown Path to PRT Temp	2000	M 771	B	B	D	T1	F3	F6	T6	T5	T3	* 5
BG-TV-0130	Ltdwn Hx Temp Cont Vlv - CCW	1120	J 605A	C	D	C	T1	F8	F26	T7	T5	NA	* 2
BG-V-0001	Regen Hx to Ltdn Hx Path C (Man)	2000	M 231B	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-V-0002	Regen Hx to Ltdn Hx Path B (Man)	2000	M 231B	C	C	D	T1	F3	F6	T6	T5	T3	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BG-V-0003	Regen Hx to Ltdn Hx Path A (Man)	2000	M 231B	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-V-0019	Regen Hx to RCS Loop 1 CL Bypass (CK)	2000	M 231C	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BG-V-0020	Ltdn Hx Rlf Vlv (Therm Rlf)	1120	M 141	C	D	C	T1	F8	F26	T7	T5	NA	* 1
BG-V-0021	Ltdn Hx Discharge CCW (Man)	1120	M 223C	C	D	C	T1	F8	F26	T7	T5	NA	* 1
BG-V-0083	VCT to Waste Gas Comp (Man)	1318	M 243	C	D	C	T1	F20	NA	T7	T5	NA	* 1
BG-V-0091	CCP A Miniflow Iso Check Valves (Check)	1114	M 231C	A	D	D	T1	F10	F27	T7	T5	NA	* 2
BG-V-0135	Seal Wtr Return Ctmt Iso Bypass Vlv (Check)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 2
BG-V-0147	BATP A Discharge Vlv (Check)	1117	M 221	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0148	BATP A Discharge Vlv (Man)	1117	M 243	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0149	BATP to BA Filter (Man)	1306	M 243	C	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-V-0152	BA Filter to Charging Pmp Suct	1306	M 243	C	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-V-0154	Boric Acid Supply to Charging Pmps (Ck)	1116	M 231C	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0155	BATP to BAT (Man)	1117	M 231C	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0165	BATP B Discharge Vlv (Ck)	1116	M 221	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0166	BATP B Discharge Vlv (Man)	1116	M 243	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0167	BATP B To BAT B (Man)	1116	M 231C	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0172	Manual Valve in Boric Acid Filter Bypass Line	1116	M 243	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0173	Manual Valve in Boric Acid Filter Bypass Line	1116	M 243	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0174	Emerg Boration Path Check Vlv Isol (Check)	1116	M 221	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0177	Boric Acid Supply to Charging Pumps (Manual)	1116	M 243	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0180	Reactor Makeup Water Isolation (Check)	1318	M 231C	C	D	C	T1	F20	NA	T7	T5	NA	* 1
BG-V-0183	Manual Isolation Valve to Emerg Boration Path	1116	M 243	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0184	Emerg Boration Path Check Vlv Isol (Check)	1116	M 231C	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0187	Chem Mix Tnk to Charging Pmp Suct (Man)	1318	M 243	C	D	C	T1	F20	NA	T7	T5	NA	* 1
BG-V-0195	Boron Conc Msmt to VCT (Ck)	1312	M 231C	C	D	D	T1	F19	F35	T7	T5	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BG-V-0197	Boron Conc Msmt to VCT (Ck)	1312	M 231C	C	D	D	T1	F19	F35	T7	T5	NA	* 2
BG-V-0198	RCP A Seal Inj Throttling Vlv (Man)	1322	M 231B	B	D	D	T1	F21	F37	T7	T5	NA	* 2
BG-V-0199	RCP B Seal Inj Throttling Vlv (Man)	1322	M 231B	B	D	D	T1	F21	F37	T7	T5	NA	* 2
BG-V-0200	RCP C Seal Inj Throttling Vlv (Man)	1322	M 231B	B	D	D	T1	F21	F37	T7	T5	NA	* 2
BG-V-0201	RCP D Seal Inj Throttling Vlv (Man)	1322	M 231B	B	D	D	T1	F21	F37	T7	T5	NA	* 2
BG-V-0202	RCP Seal Lkoff Return to Seal Wtr Hx (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BG-V-0203	Press Rlf Vlv Excess Ltdn Hx	2000	M 141	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BG-V-0204	Excess Ltdn Hx CCW Discharge (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BG-V-0205	Ltdn Hx CCW Discharge (Man)	1120	M 223C	C	D	C	T1	F8	F26	T7	T5	NA	* 1
BG-V-0206	Seal Wtr Hx CCW Discharge (Man)	1315	M 223C	B	D	D	T1	F17	F36	T7	T5	NA	* 2
BG-V-0207	Press Rlf Vlv CCW Seal Wtr Hx (Man)	1315	M 141	B	D	D	T1	F17	F36	T7	T5	NA	* 2
BG-V-0245	VCT to Drain System (Man)	1318	M 243	B	D	B	T1	F20	NA	T7	T5	NA	* 1
BG-V-0251	PDCP - CCW Discharge (Man)	1115	M 223C	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0259	CCP A - CCW Discharge (Man)	1114	M 231A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-V-0268	CCP B - CCW Discharge (Man)	1107	M 231A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-V-0277	Seal Wtr Rtrn Filter Drain (Man)	1306	M 243	B	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-V-0319	BA Filter to BAT Miniflow (Man)	1117	M 231B	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0320	BA Tank A to Aux Bldg HVAC (Man)	1117	M 243	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0321	BA Tank B to Aux Bldg HVAC (Man)	1116	M 243	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0322	BA Filter to CRW Drain (Man)	1306	M 243	C	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-V-0524	Press Rlf Vlv CCP A CCW Line	1114	M 141	B	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-V-0525	Press Rlf Vlv CCP B CCW Line	1107	M 141	B	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-V-0545	Press Rlf Vlv PDCP CCW Line	1115	M 141	C	D	D	T1	F11	NA	T7	T5	NA	* 1
BG-V-0578	BATP A Drain Line (Man)	1117	M 243	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-0579	BATP B Drain Line (Man)	1116	M 243	C	D	D	T1	F11	NA	T7	T5	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT						R
								T	P	R	H	SP		
BG-V-0591	Charging to RCP Seal Inj Iso Vlv (Ck)	1114	M 231C	A	D	D	T1	F10	F27	T7	T5	NA	* 2	
BG-V-7037	Ltdn Drifaces to Ltdn Reheat Hx (Man)	1105	M 724	C	D	C	T1	F41	F43	T7	T5	NA	* 1	
BG-V-7038	Ltdn Reheat Hx to Ltdn Hx (Man)	1105	M 724	C	D	C	T1	F41	F43	T7	T5	NA	* 1	
BG-V-7039	Ltdn Reheat Hx to Ltdn Hx (Ck)	1105	M 724	C	D	C	T1	F41	F43	T7	T5	NA	* 1	
BG-V-8107A	CVCS Ltdn to Ltdn Hx (Man)	1124	M 724	C	D	C	T1	F42	F44	T7	T5	NA	* 1	
BG-V-8107B	CVCS Ltdn to Ltdn Hx (Man)	1124	M 724	C	D	C	T1	F42	F44	T7	T5	NA	* 1	
BG-V-8108	CVCS Ltdn to Ltdn Hx Bypass (Man)	1124	M 724	C	D	C	T1	F42	F44	T7	T5	NA	* 1	
BG-V-8117	Regen Hx to PRT (Rlf)	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1	
BG-V-8118	PDCP to VCT (Rlf)	1115	M 724	C	D	D	T1	F11	NA	T7	T5	NA	* 2	
BG-V-8119	Ltdn Hx to VCT (Rlf)	1316	M 724	C	D	D	T1	F19	F35	T7	T5	NA	* 2	
BG-V-8120	Boron Recycle HU Tnk from VCT (Rlf)	1313	M 724	C	D	C	T1	F20	F35	T7	T5	NA	* 2	
BG-V-8121	Seal Water Rtrn to PRT (Rlf)	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1	
BG-V-8123	Seal Water Filter to VCT (Rlf)	1316	M 724	B	D	D	T1	F19	F35	T7	T5	NA	* 2	
BG-V-8341	Charging Pump Suction (Man)	1318	M 724	B	D	B	T1	F20	NA	T7	T5	NA	* 1	
BG-V-8381	Charging Line Ctmt Iso Vlv (Check)	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1	
BG-V-8394	VCT to PDCP Suction (Man)	1313	M 724	C	D	C	T1	F20	F35	T7	T5	NA	* 1	
BG-V-8398A	Seal Wtr Return to Seal Wtr Hx (Man)	1316	M 724	B	D	D	T1	F19	F35	T7	T5	NA	* 2	
BG-V-8398B	Seal Wtr Hx Discharge (Man)	1316	M 724	B	D	D	T1	F19	F35	T7	T5	NA	* 2	
BG-V-8400	Seal Wtr Filter to Seal Wtr Hx Bypass (Man)	1316	M 724	C	D	D	T1	F19	F35	T7	T5	NA	* 2	
BG-V-8405A	CVCS Ltdn to Ltdn Hx (Man)	1124	M 724	C	D	C	T1	F42	F44	T7	T5	NA	* 1	
BG-V-8405B	Ltdn Hx Discharge (Man)	1124	M 724	C	D	C	T1	F42	F44	T7	T5	NA	* 1	
BG-V-8408A	Ltdn Hx Discharge (Man)	1124	M 724	C	D	C	T1	F42	F44	T7	T5	NA	* 1	
BG-V-8408B	Ltdn Hx Discharge (Man)	1124	M 724	C	D	C	T1	F42	F44	T7	T5	NA	* 1	
BG-V-8416	RC Filter to VCT (Man)	1318	M 724	C	D	C	T1	F20	NA	T7	T5	NA	* 1	
BG-V-8417	RC Filter to VCT (Ck)	1318	M 724	C	D	C	T1	F20	NA	T7	T5	NA	* 1	

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BG-V-8421	Ltdn Hx to RC Filter Bypass (Man)	1306	M 724	C	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-V-8423	Ltdn Hx to RC Filter (Man)	1306	M 724	C	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-V-8425	Ltdn Hx to RC Filter (Man)	1306	M 724	C	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-V-8440	Charg Pmp Suction (Check)	1318	M 724	B	D	B	T1	F20	NA	T7	T5	NA	* 1
BG-V-8454	RC Filter From Mixed Bed Demin (Ck)	1306	M 724	C	D	D	T1	F19	F35	T7	T5	NA	* 1
BG-V-8461A	BAT A to BATP A (Man)	1117	M 724	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-8461B	BAT B to BATP B (Man)	1116	M 724	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-8463	BATP A Suction (Man)	1117	M 724	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-8465A	BABT to BATP A (Man)	1117	M 724	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-8465B	BABT to BATP B (Man)	1116	M 724	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-8470	Seal Water Hx to VCT (Ck)	1318	M 724	C	D	C	T1	F20	NA	T7	T5	NA	* 1
BG-V-8471A	CCP A Suction (Man)	1114	M 724	B	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-V-8471B	CCP B Suction (Man)	1107	M 724	B	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-V-8475	BATP B Suction (Man)	1116	M 724	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-8476	BABT Manual Iso (Manual)	1117	M 724	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-8481A	CCP A Discharge Check Vlv (Check)	1114	M 724	B	D	D	T1	F10	F27	T7	T5	NA	* 2
BG-V-8481B	CCP B Disch Iso Check Vlv (Check)	1107	M 724	B	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-V-8482	Seal Water Hx to VCT (Ck)	1318	M 724	C	D	C	T1	F20	NA	T7	T5	NA	* 1
BG-V-8484	Seal Wtr Hx to Charging Suct (Man)	1318	M 724	B	D	B	T1	F20	NA	T7	T5	NA	* 2
BG-V-8485A	CCP A Discharge (Man)	1114	M 724	B	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-V-8485B	CCP B Discharge (Man)	1107	M 724	B	D	D	T1	F10	F27	T7	T5	NA	* 1
BG-V-8486	Boric Acid Batching Tk Iso From BATP Suct (Check)	1117	M 724	C	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-8497	PD Pmp Disch (Check)	1115	M 724	B	D	D	T1	F11	NA	T7	T5	NA	* 2
BG-V-8546A	Charg Pmp Suct From RWST (Check)	1114	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 2
BG-V-8546B	Charg Pmp Suct from RWST (Check)	1107	M 724	A	D	D	T1	F10	F20	T7	T5	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BG-V-8629	Recyc. Evap Fd Filter to Charging Suct (Man)	1318	M 724	B	D	B	T1	F20	NA	T7	T5	NA	* 1
BL-HV-8047	Containment Isolation Valve	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 1
BL-V-8046	Containment Iso Vlv (Check)	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BM-V-0001	SG A to SG Bldn Flash Tnk (Man)	2000	M 224B	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BM-V-0002	SG A to SG Bldn Flash Tnk (Man)	1411	M 224B	C	C	D	T1	F25	F39	T7	T5	NA	* 1
BM-V-0012	SG B to SG Bldn Flash Tnk (Man)	2000	M 224B	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BM-V-0013	SG B to SG Bldn Flash Tnk (Man)	1412	M 224B	C	C	D	T1	F25	F39	T7	T5	NA	* 1
BM-V-0023	SG C to SG Bldn Flash Tnk (Man)	2000	M 224B	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BM-V-0024	SG C to SG Bldn Flash Tnk (Man)	1412	M 224B	C	C	D	T1	F25	F39	T7	T5	NA	* 1
BM-V-0034	SG D to SG Bldn Flash Tnk (Man)	2000	M 224B	C	C	D	T1	F3	F6	T6	T5	T3	* 1
BM-V-0035	SG D to SG Bldn Flash Tnk (Man)	1411	M 224B	C	C	D	T1	F25	F39	T7	T5	NA	* 1
BM-V-0045	SG Bldn to SG Drain Pmps (Ctmt Iso) (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
BM-V-0046	SG Bldn to SG Drain Pmps (Ctmt Iso) (Man)	1322	M 223C	B	D	D	T1	F21	F37	T7	T5	NA	* 2
BN-HV-0003	Containment Spray Pump Suction Iso Valve	1110	M 225	A	D	D	T1	F10	F27	T7	T5	NA	* 3
BN-HV-0004	Containment Spray Pump Suction Iso Valve	1112	M 225	A	D	D	T1	F10	F27	T7	T5	NA	* 3
BN-HV-8806A	Safety Injection Pump RWST Suction Valve	1113	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
BN-HV-8806B	Safety Injection Pump RWST Suction Valve	1108	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
BN-HV-8812A	RHR Pump RWST Suction Valve	1111	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
BN-HV-8812B	RHR Pump RWST Suction Valve	1109	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
BN-HV-8813	Isolation Valve for SI Pumps Min. Recirc	1113	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
BN-LCV-0112D	Charging Pump RWST Suction Valve	1114	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
BN-LCV-0112E	Charging Pump RWST Suction Valve	1107	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
BN-TBN01	RWST	Site	M 109	D	D	D	T1	NA	NA	NA	NA	NA	* 1
BN-V-0011	RWST Discharge (Man)	Site	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
BN-V-0017	RWST to Drain System (Man)	Site	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
BN-V-8717	RHR Pumps to RWST Supply (Man)	1315	M 724	B	D	D	T1	F17	F36	T7	T5	NA	* 2
EC-EEC01A	Fuel Pool Cooling Hx Loop A	6104	M 071	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-EEC01B	Fuel Pool Cooling Hx Loop B	6105	M 071	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-FI-0017B	Fuel Pool Clg Pmp A Disch Flow	6105	J 517A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-FI-0018B	Fuel Pool Clg Pmp B Disch Flo	6104	J 517A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-FT-0017	Fuel Pool Clg Pmp A Disch Flow	6105	J 301	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-FT-0018	Fuel Pool Clg Pmp B Disch Flow	6104	J 301	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-HV-0011	F.P.C.H. Ex. CCW Isolation Valve Loop A	6104	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EC-HV-0012	F.P.C.H. Ex. CCW Isolation Valve Loop B	6105	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EC-PEC01A	Deleted												* 4
EC-PEC01A	Spent Fuel Pool Cooling Pump A	6104	M 084	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EC-PEC01B	Deleted												* 4
EC-PEC01B	Spent Fuel Pool Cooling Pump B	6105	M 084	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EC-PI-0001	Fuel Pool Clg Pmp A Suct	6105	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-PI-0002	Fuel Pool Clg Pmp B Suct	6104	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-PI-0003	Fuel Pool Clg Pmp A Disch	6105	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-PI-0004	Fuel Pool Clg Pmp B Disch	6104	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-PI-0015	Fuel Pool Clg Hx A Out Press	6105	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-PI-0016	Fuel Pool Clg Hx B Out Press	6104	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0001	Fuel Pool Strners to FPCP A (Man)	6104	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0004	S.F. Pool Pump A Discharge (Ck)	6104	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0009	FP Hx A Rtrn to Fuel Pool (Man)	6104	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0010	Fuel Pool Strners to FPCP B (Man)	6105	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0013	S.F. Pool Pump B Discharge (Ck)	6105	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0018	FP Hx B Rtrn to Fuel Pool (Man)	6105	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EC-V-0025	Loop A to Cleanup (Man)	6104	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0033	Loop B to Cleanup (Man)	6105	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0076	Cleanup Loop Return Loop A (Man)	6104	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0083	Refueling Pool Inlet (Ctmt Iso) (Man)	1322	M 221	B	D	D	T1	F21	F37	T7	T5	NA	* 2
EC-V-0084	Refueling Pool Inlet (Ctmt Iso) (Man)	2000	M 221	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EC-V-0087	Refueling Pool to FP Cooling Lp (Ctmt Iso) (Man)	2000	M 221	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EC-V-0088	Refueling Pool to FP Cooling Lp (Ctmt Iso) (Man)	1322	M 221	B	D	D	T1	F21	F37	T7	T5	NA	* 2
EC-V-0090	Refueling Pool to Spent FP (Man)	6105	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0091	RF Pool to Spent FP Bypass (Man)	6104	M 221	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0095	Refueling Pool to FP Skim. Pmp (Ctmt Iso) (Man)	2000	M 221	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EC-V-0096	Refueling Pool to FP Skim. Pmp (Ctmt Iso) (Man)	1322	M 221	B	D	D	T1	F21	F37	T7	T5	NA	* 2
EC-V-0996	Fuel Pool HX B Rlf Vlv	6105	M 071	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0997	Fuel Pool HX A Rlf Vlv	6104	M 071	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0998	Fuel Pool HX B Rlf Vlv	6105	M 071	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-0999	Fuel Pool HX A Rlf Vlv	6104	M 071	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EC-V-7129	Refueling Pool to RCDT Pump (Man)	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1
EF-CEF01A	Cooling Tower Fan A	U306	M 015	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-CEF01B	Cooling Tower Fan B	U307	M 015	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-CEF01C	Cooling Tower Fan C	U306	M 015	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-CEF01D	Cooling Tower Fan D	U307	M 015	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-FEF01A	Deleted												* 4
EF-FEF01A	Travelling Water Screen A	K105	M 020	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-FEF01B	Deleted												* 4
EF-FEF01B	Travelling Water Screen B	K104	M 020	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-FEF02A	Self-Cleaning Strainer A	K105	M 154	D	D	D	T1	NA	NA	NA	NA	NA	* 3

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EF-FEF02A	Self-Cleaning Strainer A	U104	M 154	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-FEF02B	Self-Cleaning Strainer B	K104	M 154	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-FEF02B	Self-Cleaning Strainer B	U105	M 154	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-FEF03A	ESW Prelube Std Tk Filter Tr. A	K105	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 2
EF-FEF03A	ESW Prelube Std Tk Filter Tr. A	U104	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 2
EF-FEF03B	ESW Prelube Std Tk Filter Tr. B	K104	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 2
EF-FEF03B	ESW Prelube Std Tk Filter Tr. B	U105	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 2
EF-HV-0023	Service Water Isolation Valve	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0024	Service Water Isolation Valve	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0025	Service Water Isolation Valve	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0026	Service Water Isolation Valve	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0031	Deleted												* 4
EF-HV-0031	Containment Cooler Isolation Valve	1323	M 237	B	D	D	T1	F21	F37	T7	T5	NA	* 3
EF-HV-0032	Deleted												* 4
EF-HV-0032	Containment Cooler Isolation Valve	1322	M 237	B	D	D	T1	F21	F37	T7	T5	NA	* 3
EF-HV-0033	Deleted												* 4
EF-HV-0033	Containment Cooler Isolation Valve	2000	M 237	B	B	D	T1	F3	F6	T6	T5	T3	* 3
EF-HV-0034	Deleted												* 4
EF-HV-0034	Containment Cooler Isolation Valve	2000	M 237	B	B	D	T1	F3	F6	T6	T5	T3	* 3
EF-HV-0037	Ultimate Heat Sink Isolation Valve	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0038	Ultimate Heat Sink Isolation Valve	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0039	Service Water Isolation Valve	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0040	Service Water Isolation Valve	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0041	Service Water Isolation Valve	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0042	Service Water Isolation Valve	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EF-HV-0045	Deleted												* 4
EF-HV-0045	Containment Cooler Isolation Valve	2000	M 237	B	B	D	T1	F3	F6	T6	T5	T3	* 3
EF-HV-0046	Deleted												* 4
EF-HV-0046	Containment Cooler Isolation Valve	2000	M 237	B	B	D	T1	F3	F6	T6	T5	T3	* 3
EF-HV-0047	Deleted												* 4
EF-HV-0047	Containment Cooler Isolation Valve	1323	M 237	B	D	D	T1	F21	F37	T7	T5	NA	* 3
EF-HV-0048	Deleted												* 4
EF-HV-0048	Containment Cooler Isolation Valve	1322	M 237	B	D	D	T1	F21	F37	T7	T5	NA	* 3
EF-HV-0049	Deleted												* 4
EF-HV-0049	Containment Cooler Isolation Valve	1323	M 237	A	D	D	T1	F21	F37	T7	T5	NA	* 3
EF-HV-0050	Deleted												* 4
EF-HV-0050	Containment Cooler Isolation Valve	1322	M 237	A	D	D	T1	F21	F37	T7	T5	NA	* 3
EF-HV-0051	CCW Isolation Valve	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EF-HV-0052	CCW Isolation Valve	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EF-HV-0059	CCW Isolation Valve	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EF-HV-0060	CCW Isolation Valve	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EF-HV-0065	UHS Cooling Tower Bypass	U302	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0066	UHS Cooling Tower Bypass	U305	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0085	Cont Cooler Back Pressure Vlv	KSITE	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0086	Cont Cooler Back Pressure Vlv	KSITE	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0091	Traveling Water Screen A Spray Valve	K105	M 223C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0092	Traveling Water Screen B Spray Valve	K104	M 223C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0097	ESW Pump A Vent Valve	K105	M 223C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0097	ESW Pump A Vent Valve	U104	M 223C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-HV-0098	ESW Pump B Vent Valve	K104	M 223C	D	D	D	T1	NA	NA	NA	NA	NA	* 3

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EF-HV-0098	ESW Pump B Vent Valve	U105	M 223C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-PDV-0019	Strainer A Trash Valve	K105	M 223C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-PDV-0019	Strainer A Trash Valve	U104	M 223C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-PDV-0020	Strainer B Trash Valve	K104	M 223C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-PDV-0020	Strainer B Trash Valve	U105	M 223C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
EF-PEF01A	ESW Pump A	K105	M 089	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-PEF01A	ESW Pump A	U104	M 089	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-PEF01B	ESW Pump B	K104	M 089	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-PEF01B	ESW Pump B	U105	M 089	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-PI-0011	ESW Pmp 1A Disch	K105	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-PI-0011	ESW Pmp 1A Disch	U104	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-PI-0012	ESW Pmp 1B Disch	K104	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-PI-0012	ESW Pmp 1B Disch	U105	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-PI-0093	ESW Sys Rtn Press Stor Tank 1A	Site	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-PI-0094	ESW Sys Rtn Press Stor Tank 1B	Site	J 515A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-SEF01	UHS Tower (4 Cells)	Site (C)	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 2
EF-YEF01A	ESW Prelube St. Tank	Site (C)	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 2
EF-YEF01A	ESW Prelube St. Tank	Site (W)	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 2
EF-YEF01B	ESW Prelube St. Tank	Site (C)	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 2
EF-YEF01B	ESW Prelube St. Tank	Site (W)	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 2
EF-TI-0083	Ultimate Ht Sink Clg 1A & C	U302	J 555	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-TI-0084	Ultimate Ht Sink Clg 1B & C	U305	J 555	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0001	ESW Pump A Discharge Iso (Ck)	K105	M 223B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0001	ESW Pump A Discharge Iso (Ck)	U104	M 223B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0002	Slf Clng Strainer A to ESW A Train (Man)	K104	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EF-V-0002	Slf CIng Strainer A to ESW A Train (Man)	U104	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0004	ESW Pump B Discharge Iso (Ck)	K105	M 223B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0004	ESW Pump B Discharge Iso (Ck)	U105	M 223B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0005	Self CIng Strainer B to ESW Train B (Man)	K105	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0005	Slf CIng Strainer B to ESW B Train (Man)	U105	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0041	Pen Rm Cooler Inlet (Man)	1410	M 223C	B	D	D	T1	F23	F38	T7	T5	NA	* 2
EF-V-0042	Pen Rm Cooler Discharge (Man)	1410	M 223C	B	D	D	T1	F23	F38	T7	T5	NA	* 2
EF-V-0046	Air Compressor Iso Vlv (Ck)	1320	M 223C	A	D	A	T1	F18	F36	T7	T5	NA	* 2
EF-V-0052	D.G. Coolers Inlet (Man)	5203	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0053	D.G. Coolers Discharge (Man)	5203	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 2
EF-V-0058	CCW Hx Discharge (Man)	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 2
EF-V-0076	Air Compressors Iso Vlv (Ck)	1320	M 223C	A	D	A	T1	F18	F36	T7	T5	NA	* 2
EF-V-0079	D.G. Cooler Inlet Vlv (Man)	5201	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0080	D.G. Cooler Discharge Vlv (Man)	5201	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0083	Pen Rm Cooler Inlet (Man)	1409	M 223C	B	D	D	T1	F23	F38	T7	T5	NA	* 2
EF-V-0084	Pen Rm Cooler Discharge (Man)	1409	M 223C	B	D	D	T1	F23	F38	T7	T5	NA	* 2
EF-V-0090	CCW Hx Discharge (Man)	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 2
EF-V-0093	Train A to Train B Crossover Tie (Man)	K104	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0093	Train A to Train B Crossover Tie (Man)	U104	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0094	Train A to Train B Crossover Tie (Man)	K105	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0094	Train A to Train B Crossover Tie (Man)	U105	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0104	Train A from UHS (Man)	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0107	Train A from UHS (Man)	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0108	Train A Return to UHS (Man)	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0113	Train B from UHS (Man)	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EF-V-0116	Train B from UHS (Man)	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0117	Train B Return to UHS (Man)	3101	M 235	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0272	D.G. Cooler Inlet (Man)	3101	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0273	D.G. Cooler Discharge (Man)	3101	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0274	D.G. Cooler Inlet (Man)	3101	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0275	D.G. Cooler Discharge (Man)	3101	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0336	UHS to Fire Protection Sys (Man)	U104	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EF-V-0337	UHS to Fire Protection Sys (Man)	U105	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EG-EEG01A	CCW Heat Exch A Train A	1406	M 072	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-EEG01B	CCW Heat Exch B Train B	1401	M 072	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-FI-0062	RCP Out Flow	1127	J 517A	B	D	B	T1	F10	F29	T7	T5	NA	* 2
EG-FI-0063	CCW Hx to RHR Hx Flow	1408	J 517A	D	D	D	T1	F22	F38	T7	T5	NA	* 2
EG-FI-0064	CCW Hx B to RHR Hx Flow	1402	J 517A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-FI-0079	CCW A to Fuel Pool Clg Hx Flow	6105	J 517A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EG-FI-0080	CCW B to Fuel Pool Clg Hx Flow	6104	J 517A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EG-FI-0083	CCW A to Cent Clg Pmp SI Clr	1114	J 517A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-FI-0085	CCW A to SI Pmp Seal Clr Flow	1113	J 517A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-FI-0086	CCW B to Cent Chg Pmp SI Clr	1107	J 517A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-FI-0088	CCW B to SI Pmp Seal Clr Flow	1108	J 517A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-FI-0089	CCW A to RHR Pmp SI Clr Flow	1113	J 517A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-FI-0092	CCW B to RHR Pmp SI Clr Flow	1101	J 517A	B	D	B	T1	F8	F26	T7	T5	NA	* 1
EG-FI-0117	Excess Ltdwn Hx Out Flow	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-FT-0055	CCW Hx Flow Line	1314	J 301	B	D	D	T1	F17	F36	T7	T5	NA	* 2
EG-FT-0063	CCW Hx to RHR Hx Flow	1408	J 301	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-FT-0064	CCW Hx B to RHR Hx Flow	1402	J 301	D	D	D	T1	F22	F38	T7	T5	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EG-FT-0066	CCW to Seal Wtr Hx Flow	1315	J 301	B	D	D	T1	F17	F36	T7	T5	NA	* 2
EG-FT-0079	CCW A to Fuel Pool Clg Hx Flow	6105	J 301	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EG-FT-0080	CCW B to Fuel Pool Clg Hx Flow	6104	J 301	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EG-FT-0083	CCW A to Cent Chg Pmp Oil Clr	1114	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-FT-0085	CCW A to SI Pmp Oil Clr Flow	1113	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-FT-0086	CCW B to Cent Chg Pmp Oil Clr	1107	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-FT-0088	CCW B to SI Pmp Oil Clr Flow	1108	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-FT-0089	CCW A to RHR Pmp Clr Flow	1113	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-FT-0092	CCW B to RHR Pmp SI Clr Flow	1101	J 301	B	D	B	T1	F8	F26	T7	T5	NA	* 1
EG-FT-0095	CCW Pmp A Disch Flow	1406	J 301	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-FT-0096	CCW Pmp B Disch Flow	1401	J 301	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-FT-0097	CCW Pmp C Disch Flow	1406	J 301	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-FT-0098	CCW Pmp D Disch Flow	1401	J 301	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-HV-0011	Emergency Makeup Water Train A From ESW	1406	M 231B	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0012	Emergency Makeup Water Train B From ESW	1401	M 231B	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0013	Emergency Makeup Water Train A From ESW	1406	M 231B	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0014	Emergency Makeup Water Train B From ESW	1401	M 231B	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0015	CCW Common Header Return Iso Train A	1402	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0016	CCW Common Header Return Iso Train B	1402	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0053	Train A CCW To Common Header	1402	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0054	Train B CCW To Common Header	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0058	RC Pump CCW Supply Cont Iso	1323	M 223A	A	D	D	T1	F21	F37	T7	T5	NA	* 3
EG-HV-0059	RC Pump CCW Return Cont Iso	1323	M 223A	A	D	D	T1	F21	F37	T7	T5	NA	* 3
EG-HV-0060	RC Pump CCW Return Cont Iso	2000	M 223A	A	A	D	T1	F3	F6	T6	T5	T3	* 3
EG-HV-0061	Cont Iso Vlv CCW Rtn From RC Pmp Ther Barr	1323	M 223C	A	D	D	T1	F21	F37	T7	T5	NA	* 3

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EG-HV-0062	Cont Iso Vlv CCW Rtn From RC Pmp Ther Barr	2000	M 224B	A	A	D	T1	F3	F6	T6	T5	T3	* 3
EG-HV-0071	Iso Valve CCW Supply To RC Pump	1323	M 223A	A	D	D	T1	F21	F37	T7	T5	NA	* 3
EG-HV-0072	CCW To PASS Sample Cooler	1406	M 231B	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0073	CCW To PASS Sample Cooler	1406	M 231B	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0074	CCW From PASS Sample Cooler	1406	M 231B	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0075	CCW From PASS Sample Cooler	1406	M 231B	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0101	RHR A Inlet CCW Isolation Valve	1402	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0102	RHR B Inlet CCW Isolation Valve	1402	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 3
EG-HV-0126	EG-HV-71 Bypass Valve	1323	M 223A	C	D	D	T1	F21	F37	T7	T5	NA	* 3
EG-HV-0127	EG-HV-58 Bypass Valve	1323	M 223A	C	D	D	T1	F21	F37	T7	T5	NA	* 3
EG-HV-0130	EG-HV-60 Bypass Valve	2000	M 223A	C	C	D	T1	F3	F6	T6	T5	T3	* 3
EG-HV-0131	EG-HV-59 Bypass Valve	1323	M 223A	C	D	D	T1	F21	F37	T7	T5	NA	* 3
EG-HV-0132	EG-HV-62 Bypass Valve	2000	M 224B	C	C	D	T1	F3	F6	T6	T5	T3	* 3
EG-HV-0133	EG-HV-61 Bypass Valve	1323	M 223C	C	D	D	T1	F21	F37	T7	T5	NA	* 3
EG-LV-0001	Demin Wtr to Makeup Surge Tnk A	1503	J 601A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
EG-LV-0002	Demin Wtr Makeup to Surge Tnk B	1502	J 601A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
EG-PEG01A	CCW Pump A Train A	1406	M 082	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PEG01B	CCW Pump B Train B	1401	M 082	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PEG01C	CCW Pump C Train A	1406	M 082	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PEG01D	CCW Pump D Train B	1401	M 082	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0017	CCW Pmp A Suction Press	1406	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0018	CCW Pmp B Suction Press	1401	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0019	CCW Pmp C Suction Press	1406	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0020	CCW Pmp D Suction Press	1401	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0025	CCW Pmp A Press Disch	1406	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EG-PI-0026	CCW Pmp B Press Disch	1401	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0027	CCW Pmp C Press Disch	1406	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0028	CCW Pmp D Press Disch	1401	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0033	CCW Hx A Press Outs	1406	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0034	CCW Hx B Press Outs	1401	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0037	CCW Hx A Press In	1406	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0038	CCW Hx B Press In	1401	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0043	CCW Hx A Press In	1406	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0044	CCW Hx B Press In	1401	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0047	CCW Hx A Temp Out	1406	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-PI-0048	CCW Hx B Press Outs	1401	J 515A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-RV-0009	Surge Tnk A Vent	1503	J 601A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
EG-RV-0010	Surge Tnk B Vent	1502	J 601A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
EG-TEG01A	CCW Surge Tank A	1503	M 105A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
EG-TEG01B	CCW Surge Tank B	1502	M 105A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
EG-V-0003	CCW Pump A Discharge (Ck)	1406	M 223A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0004	CCW Pump A Discharge (Man)	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0007	CCW Pump C Discharge (Ck)	1406	M 223A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0008	CCW Pump C Discharge (Man)	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0012	CCW Pump B Discharge (Ck)	1401	M 223A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0013	CCW Pump B Discharge (Man)	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0016	CCW Pump D Discharge (Ck)	1401	M 223A	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0017	CCW Pump D Discharge (Man)	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0019	CCW HX A Inlet (Man)	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0024	CCW HX A Rlf Vlv (Thermal Rlf)	1406	M 141	D	D	D	T1	F22	F38	T7	T5	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EG-V-0027	CCW HX A Rlf Vlv (Thermal Rlf)	1406	M 141	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0035	CCW HX A Discharge (Man)	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0036	Train A CCW to Common Hdr (Ck)	1402	M 223B	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0038	Train A to Aux Bldg Pumps (Man)	1406	M 223C	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0039	Train A to CCP Oil Cooler (Man)	1114	M 223C	D	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-V-0043	Train A Rtrn From Aux Bldg Pumps (Man)	1406	M 223C	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0044	CCW HX B Inlet (Man)	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0049	CCW HX B Rlf Vlv (Thermal Rlf)	1401	M 141	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0052	CCW HX B Rlf Vlv (Thermal Rlf)	1401	M 141	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0060	CCW HX B Discharge (Man)	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0061	Train B CCW to Common Hdr (Ck)	1401	M 223B	D	D	D	T1	F22	F38	T7	T5	NA	* 2
EG-V-0063	Train B to Aux Bldg Pumps (Man)	1401	M 223C	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0064	Train B to CCP Oil Cooler (Man)	1107	M 223C	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EG-V-0068	Train B Rtn from Aux Bldg Pumps (Man)	1401	M 223C	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0071	CCW to Ltdn HX (Man)	1120	M 223C	B	D	B	T1	F8	F26	T7	T5	NA	* 2
EG-V-0087	CCW to PDCP (Man)	1115	M 223C	B	D	D	T1	F11	NA	T7	T5	NA	* 2
EG-V-0088	CCW to Containment (Man)	1323	M 223A	B	D	D	T1	F21	F37	T7	T5	NA	* 1
EG-V-0092	CCW to Containment (Man)	2000	M 223A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0095	RCP A Mtr Air Cooler Discharge (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0101	RCP B Mtr Air Cooler Discharge (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0110	RCP C Mtr Air Cooler Discharge (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0116	RCP D Mtr Air Cooler Discharge (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0124	RCP A-D TBCC Return (Ck)	1325	M 223C	B	D	D	T1	NA	NA	T7	NA	NA	* 1
EG-V-0125	RCP A-D Return (Man)	2000	M 223A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0128	RCP A-D Return (Man)	1323	M 223A	B	D	D	T1	F21	F37	T7	T5	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EG-V-0129	RCP A-D Return (Ck)	1323	M 223B	B	D	D	T1	F21	F37	T7	T5	NA	* 1
EG-V-0130	CCW Common Hdr Rtn Iso Train A (Ck)	1402	M 223B	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0131	CCW Common Hdr Rtn Iso Train B (Ck)	1402	M 223B	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0132	CCW A Return (Man)	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0135	CCW C Return (Man)	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0138	CCW B Return (Man)	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0141	CCW D Return Man	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0146	Demin Wtr Mkup to Surge Tnk A (Man)	1503	M 221	D	D	D	T1	F24	NA	T7	T5	NA	* 1
EG-V-0149	Demin Wtr Mkup to Surge Tank B (Man)	1502	M 221	D	D	D	T1	F24	F38	T7	T5	NA	* 1
EG-V-0159	Surge Tank A Rlf Vlv (Vacuum Rlf)	1503	M 141	D	D	D	T1	F24	NA	T7	T5	NA	* 1
EG-V-0160	Surge Tank A to LG-7 (Man)	1503	M 231A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
EG-V-0161	Surge Tank A to LG-7 (Man)	1503	M 231A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
EG-V-0162	Surge Tank A to LT-1 (Man)	1503	M 231A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
EG-V-0167	Surge Tank A to LT-1 (Man)	1503	M 231A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
EG-V-0170	Surge Tank B Rlf Vlv (Vacuum Rlf)	1502	M 141	D	D	D	T1	F24	F38	T7	T5	NA	* 1
EG-V-0171	Surge Tank B to LG-8 (Man)	1502	M 231A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
EG-V-0172	Surge Tank B to LG-8 (Man)	1502	M 231A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
EG-V-0173	Surge Tnk B to LT-2 (Man)	1502	M 231A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
EG-V-0178	Surge Tnk B to LT-2 (Man)	1502	M 231A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
EG-V-0182	ESW Makeup (Man)	1406	M 223C	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0185	ESW Makeup (Man)	1401	M 223C	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0200	FP HX Inlet (Man)	6105	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EG-V-0201	FP HX Inlet (Man)	6105	M 236	D	D	D	T1	NA	NA	NA	NA	NA	* 1
EG-V-0204	Ctmt Iso Vlv CCW Supply to RC Pump (Ck)	2000	M 223B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0205	HX A Bypass (Man)	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EG-V-0206	HX A Bypass (Man)	1406	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0207	HX B Bypass (Man)	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0208	HX B Bypass (Man)	1401	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EG-V-0305	Surge Tnk Rlf Vlv (Vacuum Rlf)	1503	M 141	D	D	D	T1	F24	NA	T7	T5	NA	* 1
EG-V-0306	Surge Tnk Rlf Vlv (Vacuum Rlf)	1502	M 141	D	D	D	T1	F24	F38	T7	T5	NA	* 1
EG-V-0309	Ltdn HX Return (Man)	1120	M 223C	C	D	C	T1	F8	F26	T7	T5	NA	* 1
EG-V-0331	TBCC C Inlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0332	TBCC B Inlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0333	TBCC A Inlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0334	TBCC D Inlet (Man)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EG-V-0370	TBCC A-D Return (Man)	2000	H 224B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EJ-EEJ01A	RHR HX A	1310	M 722	B	D	D	T1	F19	F35	T7	T5	NA	* 4
EJ-EEJ01B	RHR HX B	1309	M 722	B	D	D	T1	F19	F35	T7	T5	NA	* 1
EJ-FCV-0610	RHR Mini Flow Isolation Valve Loop A	1111	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EJ-FCV-0611	RHR Mini Flow Isolation Valve Loop B	1109	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EJ-FCV-0618	RHR Hx A Bypass	1310	M 724	C	D	D	T1	F19	F35	T7	T5	NA	* 1
EJ-FCV-0619	RHR Hx B Bypass	1309	M 724	C	D	D	T1	F19	F35	T7	T5	NA	* 1
EJ-FT-618	RHR Hx A To Accum Inj Dis Loop 1	1301	M 771	B	D	B	T1	F17	F34	T7	T5	NA	* 2
EJ-FT-619	RHR Hx B to Accum Inj Dis Loop 4	1301	M 771	B	D	B	T1	F17	F34	T7	T5	NA	* 2
EJ-FT-988	RHR/SIS HL Recirc Flow	1301	M 771	B	D	B	T1	F17	F34	T7	T5	NA	* 2
EJ-HCV-0606	RHR Hx A Discharge	1310	M 724	A	D	D	T1	F19	F35	T7	T5	NA	* 1
EJ-HCV-0607	RHR Hx B Discharge	1309	M 724	A	D	D	T1	F19	F35	T7	T5	NA	* 1
EJ-HCV-8825	SI Test Line Iso Vlv	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2
EJ-HCV-8890A	SI Test Line Iso Vlv	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2
EJ-HCV-8890B	SI Test Line Iso Vlv	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EJ-HV-8701A	RHR Shutdown Suction Line Isolation Valve Loop A	2000	M 724	B	A	D	T1	F3	F6	T6	T5	T3	* 3
EJ-HV-8701B	RHR Shutdown Suction Line Isolation Valve Loop B	2000	M 724	B	A	D	T1	F3	F6	T6	T5	T3	* 3
EJ-HV-8716A	RHR Injection Balance Line/Hot Leg Feed Line Valve	1310	M 724	A	D	D	T1	F19	F35	T7	T5	NA	* 5
EJ-HV-8716B	RHR Injection Balance Line/Hot Leg Feed Line Valve	1309	M 724	A	D	D	T1	F19	F35	T7	T5	NA	* 5
EJ-HV-8804A	RHR To Charging/SI Pump Suctions	1310	M 724	A	D	D	T1	F19	F35	T7	T5	NA	* 5
EJ-HV-8804B	RHR to Charging/SI Pump Suctions	1108	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EJ-HV-8809A	RHR Isolation Valve to Cold Leg RCS Loops 1 and 2	1323	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
EJ-HV-8809B	RHR Isolation Valve to Cold Leg RCS Loops 3 and 4	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
EJ-HV-8811A	Cont Recirc Sump Isolation Valve (Encapsulated)	1204	M 724	A	D	B	T1	NA	NA	T7	NA	NA	* 4
EJ-HV-8811B	Cont Recirc Sump Isolation Valve (Encapsulated)	1203	M 724	A	D	B	T1	NA	NA	T7	NA	NA	* 3
EJ-HV-8840	RHR Isolation Valve To Hot Legs RCS Loops 2 and 3	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
EJ-PEJ01A	Deleted												* 4
EJ-PEJ01A	RHR Pump A	1111	M 721	A	D	D	T1	F10	F27	T7	T5	NA	* 3
EJ-PEJ01B	Deleted												* 4
EJ-PEJ01B	RHR Pump B	1109	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EJ-PI-601	RHR Pump A Suct Press	1111	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EJ-PI-602	RHR Pump B Suct Press	1109	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EJ-PT-614	RHR Pump A Disch	1112	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EJ-PT-615	RHR Pump B Disch	1110	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EJ-TEJ01A	RHR Isolation A	1204	M 109A	B	D	B	T1	F16	F33	T7	T5	NA	* 1
EJ-TEJ01B	RHR Isolation A	1203	M 109A	B	D	B	T1	F15	F32	T7	T5	NA	* 1
EJ-V-0001	Bleed Line to CVCS Loop A & B (Manual)	1310	M 231A	B	D	D	T1	F19	F35	T7	T5	NA	* 1
EJ-V-0002	Bleed Line to CVCS Loop A & B (Manual)	1309	M 231A	B	D	D	T1	F19	F35	T7	T5	NA	* 1
EJ-V-0033	RHR Hx CCW Discharge (Man)	1402	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 2
EJ-V-0038	RHR Hx CCW Discharge (Man)	1402	M 236	D	D	D	T1	F22	F38	T7	T5	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EJ-V-0084	Press Relief Vlv EEJ01A CCW Line (Thermal Relief)	1406	M 141	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EJ-V-0085	Press Relief Vlv EEJ01B CCW Line (Thermal Relief)	1402	M 141	D	D	D	T1	F22	F38	T7	T5	NA	* 1
EJ-V-0156	Press Relief Vlv PEJ01A CCW Line (Thermal Relief)	1111	M 141	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EJ-V-0157	Press Relief Vlv PEJ01B CCW Line (Thermal Relief)	1109	M 141	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EJ-V-8708A	RCL HL 1 to PRT (R1f)	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1
EJ-V-8708B	RCL HL 4 to PRT (R1f)	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 1
EJ-V-8724A	RHR Pump A to HX A (Man)	1111	M 724	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EJ-V-8724B	RHR Pump A to HX A (Man)	1109	M 724	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EJ-V-8730A	RHR Heat Exch Outlet Loop A & B (Check)	1310	M 724	A	D	D	T1	F19	F35	T7	T5	NA	* 2
EJ-V-8730B	RHR Heat Exch Outlet Loop A & B (Check)	1309	M 724	A	D	D	T1	F19	F35	T7	T5	NA	* 2
EJ-V-8841A	RCS Boundary Valve RCS Loop 2 & 3 (Check)	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2
EJ-V-8841B	RCS Boundary Valve RCS Loop 2 & 3 (Check)	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2
EJ-V-8958A	RHR Suct Line From RWST (Check)	1111	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EJ-V-8958B	RHR Suct Line From RWST (Check)	1109	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EJ-V-8969A	Feed to Charging/SI Pump Suctions (Check)	1310	M 724	A	D	D	T1	F19	F35	T7	T5	NA	* 2
EJ-V-8969B	Feed to Charging/SI Pump Suctions (Check)	1108	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EL-LT-951	Deleted												* 4
EM-FT-918	SI Pump A Disch Flow	1113	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-FT-922	SI Pump B Disch Flow	1108	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-HV-8801A	BIT Discharge Valve to RCS	1323	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
EM-HV-8801B	BIT Discharge Valve to RCS	1323	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
EM-HV-8802A	SI Pump A Discharge Valve to Hot Legs 2 & 3	1323	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
EM-HV-8802B	SI Pump B Discharge Valve to Hot Legs 1 & 4	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
EM-HV-8803A	Charging Pump Discharge Valve to BIT	1126	M 724	A	D	D	T1	F12	F28	T7	T5	NA	* 5
EM-HV-8803B	Charging Pump Discharge Valve to BIT	1126	M 724	A	D	D	T1	F12	F28	T7	T5	NA	* 5

SMUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EM-HV-8807A	RHR to CVCS and SI Pumps Isol Valve	1113	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EM-HV-8807B	RHR to CVCS and SI Pumps Isol Valve	1108	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EM-HV-8814A	Isolation Valve Miniflow Line Of SI Pump A	1113	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EM-HV-8814B	Isolation Valve miniflow Line Of SI Pump B	1113	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EM-HV-8821A	SI Pump A Discharge Valve to RCS Cold Legs	1113	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EM-HV-8821B	SI Pump B Discharge Valve to RCS Cold Legs	1108	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EM-HV-8823	Test Line/Ctmt Iso Vlv SI Cold Legs	2000	M 724	A	C	D	T1	F3	F6	T6	T5	T3	* 2
EM-HV-8824	Test Line/Ctmt Iso Vlv RCS Hot Legs 1 & 4	2000	M 724	A	C	D	T1	F3	F6	T6	T5	T3	* 2
EM-HV-8835	SI Pumps A & B Discharge Valve to RCS Cold Legs	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
EM-HV-8843	BIT Test Line/Ctmt Iso Vlv	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2
EM-HV-8870A	Iso Vlv for BIT Recirc Loop	1126	M 724	A	D	D	T1	F12	F28	T7	T5	NA	* 2
EM-HV-8870B	Iso Vlv for BIT Recirc Loop	1126	M 724	A	D	D	T1	F12	F28	T7	T5	NA	* 2
EM-HV-8871	SI Test Line/Ctmt Iso Vlv	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 2
EM-HV-8881	Test Line/Ctmt Iso Vlv RCS HL's 2 & 3	2000	M 724	A	C	D	T1	F3	F6	T5	T5	T3	* 2
EM-HV-8882	BIT Test Line Iso Vlv	2000	M 724	B	B	D	T1	F3	F6	T6	T5	T3	* 2
EM-HV-8883	Iso Vlv for BIT Recirc Loop	1126	M 724	A	D	D	T1	F12	F28	T7	T5	NA	* 2
EM-HV-8888	Acc Fill Line Ctmt Iso Vlv	2000	M 724	A	D	D	T1	F3	F6	T6	T5	T3	* 2
EM-HV-8889A	HL 1 SI Test Line	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 2
EM-HV-8889B	HL 2 SI Test Line	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 2
EM-HV-8889C	HL 3 SI Test Line	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 2
EM-HV-8889D	HL 4 SI Test Line	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 2
EM-HV-8923A	RWST Suction Valve to SI Pump A	1113	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EM-HV-8923B	RWST Suction Valve to SI Pump B	1108	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EM-HV-8924	RHR to CVCS and SI Pumps Isol Valve	1108	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 5
EM-HV-8964	SI Test Line/Ctmt Iso Vlv	1323	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EM-PEM01A	SI Pump A	1113	M 721	A	D	D	T1	F10	F27	T7	T5	NA	* 3
EM-PEM01B	SI Pump B	1108	M 721	A	D	D	T1	F10	F27	T7	T5	NA	* 3
EM-PEM02A	Boron Injection Recirculation Pump A	1126	M 721	C	D	D	T1	F12	F28	T7	T5	NA	* 3
EM-PEM02B	Boron Injection Recirculation Pump B	1126	M 721	C	D	D	T1	F12	F28	T7	T5	NA	* 3
EM-PI-929	SIS Pump HL 4 Test Press	1320	M 771	C	D	C	T1	F18	F36	T7	T5	NA	* 2
EM-PI-977	SI Pump A Suct Press	1113	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-PI-978	SI Pump B Suct Press	1108	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-PT-919	SI Pump A Disch Press	1113	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-PT-923	SI Pump B Disch Press	1108	M 771	B	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-SEM01	BI Flushing Orifice	1126	M 723	C	D	D	T1	F12	F28	T7	T5	NA	* 1
EM-TEM01	Boron Injection Tank (BIT)	1126	M 723	B	D	D	T1	F12	F28	T7	T5	NA	* 1
EM-TEM02	BI Surge Tank	1126	M 723	C	D	D	T1	F12	F28	T7	T5	NA	* 1
EM-V-0001	Ctmt Isol (Check)	2000	M 231C	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EM-V-0002	Ctmt Isol (Check)	2000	M 231C	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EM-V-0003	Ctmt Isol (Check)	2000	M 231C	A	C	D	T1	F3	F6	T6	T5	T3	* 2
EM-V-0004	Ctmt Isol (Check)	2000	M 231C	A	C	D	T1	F3	F6	T6	T5	T3	* 2
EM-V-0005	In Miniflow Line From SI Pump A (Check)	1113	M 231C	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-V-0006	Acc Fill Line Ctmt Iso Vlv (Check)	2000	M 231C	C	C	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0007	In Miniflow Line From SI Pump B (Check)	1112	M 231C	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-V-0014	Iso Valve for Recirc Loop (Check)	1126	M 231C	C	D	D	T1	F12	F28	T7	T5	NA	* 1
EM-V-0017	Iso Vlv for Recirc Loop (Ck)	1126	M 231C	C	D	D	T1	F12	F28	T7	T5	NA	* 1
EM-V-0044	BI Surge Tnk to LIS 946 (Man)	1126	M 243	C	D	D	T1	F12	F28	T7	T5	NA	* 3
EM-V-0045	BI Surge Tnk to LIS 948 (Man)	1126	M 243	C	D	D	T1	F12	F28	T7	T5	NA	* 3
EM-V-0089	SI Pump A to RCS HL 2 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0090	SI Pump A to RCS HL 3 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1

SMUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EM-V-0091	SI Pump B to RCS HL 1 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0092	SI Pump B to RCS HL 4 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0095	SI to Accum Inj CL 1 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0096	SI to Accum Inj CL 2 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0097	SI to Accum Inj CL 3 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0098	SI to Accum Inj CL 4 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0107	BI to CL 1 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0108	BI to CL 2 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0109	BI to CL 3 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0110	BI to CL 4 (Man)	2000	M 231B	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EM-V-0188	SI Pump B CCW Line Press Relief Valve (Therm Rlf)	1108	M 141	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EM-V-0189	SI Pump A CCW Line Press Relief Valve (Therm Rlf)	1113	M 141	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EM-V-0240	HV-8803A Bypass (Check)	1126	M 231C	C	D	D	T1	F12	F28	T7	T5	NA	* 2
EM-V-0241	HV-8803B Bypass (Check)	1126	M 231C	C	D	D	T1	F12	F28	T7	T5	NA	* 2
EM-V-8815	Disch to RCS (Check)	2000	M 724	A	D	D	T1	F3	F6	T6	T5	T3	* 2
EM-V-8921A	SI Pump A Discharge (Man)	1113	M 724	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EM-V-8921B	SI Pump B Discharge (Man)	1108	M 724	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EM-V-8922A	Disch SI Pump A (Check)	1113	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-V-8922B	Disch SI Pump B (Check)	1108	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-V-8926A	Suct From RWST to SI Pump (Check)	1113	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EM-V-8926B	Suct From RWST to SI Pump B (Check)	1108	M 724	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EN-FE-0013	Spray Add Eductor A Flow	1112	J 425	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-FE-0014	Spray Add Eductor B Flow	1110	J 425	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-FEN01A	Ctmt Recirc Sump Screen	2000	C sump	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EN-FEN01B	Ctmt Recirc Sump Screen	2000	C sump	B	B	D	T1	F3	F6	T6	T5	T3	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EN-FT-0005	Ctmt Spray Pump A Flow	1113	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-FT-0011	Ctmt Spray Pump B Flow	1108	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-FT-0013	Spray Add Eductor A Flow	1112	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-FT-0014	Spray Add Eductor B Flow	1110	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-HV-0001	Containment Isolation (Encapsulated)	1204	M 225	A	D	D	T1	NA	NA	NA	NA	NA	* 3
EN-HV-0006	Containment Isolation	1323	M 225	A	D	D	T1	F21	F37	T7	T5	NA	* 3
EN-HV-0007	Containment Isolation (Encapsulated)	1203	M 225	A	D	D	T1	NA	NA	NA	NA	NA	* 3
EN-HV-0012	Containment Isolation	1322	M 225	A	D	D	T1	F21	F37	T7	T5	NA	* 3
EN-HV-0015	Spray Add Tank to Spray Add Eductor	1315	M 225	A	D	D	T1	F17	F36	T7	T5	NA	* 3
EN-HV-0016	Spray Add Tank to Spray Add Eductor	1315	M 225	A	D	D	T1	F17	F36	T7	T5	NA	* 3
EN-PEN01A	Containment Spray Pump	1112	M 088	A	D	D	T1	F10	F27	T7	T5	NA	* 3
EN-PEN01B	Containment Spray Pump	1110	M 088	A	D	D	T1	F10	F27	T7	T5	NA	* 3
EN-PI-0002	Ctmt Spray Pump A Suction	1112	J 515A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-PI-0008	Ctmt Spray Pump B Suction	1110	J 515A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-PI-0023	Spray Add Eductor B	1110	J 517A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-PI-0024	Spray Add Eductor A	1112	J 517A	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-PT-0004	Ctmt Spray Pump A Disch	1112	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-PT-0010	Ctmt Spray Pump B Press	1110	J 301	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-PT-0018	Spray Add Tank Press	1315	J 301	B	D	D	T1	F17	F36	T7	T5	NA	* 2
EN-SEN01A	Spray Additive Eductor (Check)	1112	M 153	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-SEN01B	Spray Additive Eductor (Check)	1110	M 153	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-SEN02	Ctmt Spray Nozzles	2000	M 155	B	B	D	T1	F3	F6	T6	T5	T3	* 2
EN-TEN01	Spray Additive Tank	1315	M 105B	B	D	D	T1	F17	F36	T7	T5	NA	* 2
EN-TEN02A	Ctmt Spray Isol Valve Encapsulation Tk	1204	M 109A	B	D	C	T1	F16	F33	T7	T5	NA	* 2
EN-TEN02B	Ctmt Spray Isol Valve Encapsulation Tk	1203	M 109A	B	D	C	T1	F15	F32	T7	T5	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EN-V-0002	Ctmt Spray Pump Suct (Ck)	1204	M 221	A	D	C	T1	F16	F33	T7	T5	NA	* 2
EN-V-0003	RWST to Ctmt Spray Pump (Ck)	1112	M 221	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EN-V-0004	Ctmt Spray Pump to Ctmt (Ck)	1112	M 221	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EN-V-0005	Ctmt Spray Pmp from Eductor (Man)	1112	M 221	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-V-0008	Ctmt Spray Pmp Suct (Ck)	1203	M 221	A	D	C	T1	F15	F32	T7	T5	NA	* 2
EN-V-0009	RWST to Ctmt Spray Pmp (Ck)	1110	M 221	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EN-V-0010	Ctmt Spray Pmp to Ctmt (Ck)	1110	M 221	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EN-V-0011	Ctmt Spray Pmp from Eductor (Man)	1110	M 221	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-V-0013	Ctmt Isol (Ck)	2000	M 221	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EN-V-0014	Spray Pmp A to Ctmt (Man)	2000	M 221	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EN-V-0017	Ctmt Isol (Ck)	2000	M 221	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EN-V-0018	Spray Pmp B to Ctmt (Man)	2000	M 221	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EN-V-0024	Spray Pmp Discharge to RWST (Man)	1112	M 221	C	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-V-0025	Spray Pmp Discharge to RWST (Man)	1110	M 221	C	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-V-0057	On Spray Additive Tank (Press Rlf)	1315	M 141	B	D	D	T1	F17	F36	T7	T5	NA	* 2
EN-V-0058	On Spray Additive Tank (Vacuum Rlf)	1315	M 141	B	D	D	T1	F17	F36	T7	T5	NA	* 2
EN-V-0059	Spray Additive Tnk to Fill Vent (Man)	1315	M 221	C	D	D	T1	F17	F36	T7	T5	NA	* 2
EN-V-0078	System Flush Connection (Man)	2000	M 221	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EN-V-0082	System Flush Connection (Man)	2000	M 221	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EN-V-0097	Spray Additive Tnk Discharge (Man)	1315	M 221	B	D	D	T1	F17	F36	T7	T5	NA	* 2
EN-V-0098	Spray Additive Tnk to Eductor (Man)	1112	M 221	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-V-0099	Spray Additive Tnk to Spray Additive Eductor (Ck)	1112	M 221	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EN-V-0100	Spray Additive Tnk to Eductor (Man)	1110	M 221	B	D	D	T1	F10	F27	T7	T5	NA	* 1
EN-V-0101	Spray Additive Tnk to Spray Additive Eductor (Ck)	1110	M 221	A	D	D	T1	F10	F27	T7	T5	NA	* 2
EN-V-0103	Spray Additive Tnk to Drain (Man)	1315	M 231A	B	D	D	T1	F17	F36	T7	T5	NA	* 2

SMUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EN-V-0106	On Spray Additive Tank (Vacuum Relief)	1315	M 141	B	D	D	T1	F17	F36	T7	T5	NA	* 2
EP-HV-8808A	Accumulator Tank A Isolation Valve	2000	M 724	C	A	D	T1	F3	F6	T6	T5	T3	* 3
EP-HV-8808B	Accumulator Tank B Isolation Valve	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 3
EP-HV-8808C	Accumulator Tank C Isolation Valve	2000	M 724	C	C	D	T1	F3	F6	T6	T5	T3	* 3
EP-HV-8808D	Accumulator Tank D Isolation Valve	2000	M 724	C	A	D	T1	F3	F6	T6	T5	T3	* 3
EP-HV-8875A	N2 Supply Iso Vlv	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-HV-8875B	N2 Supply Iso Vlv	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-HV-8875C	N2 Supply Iso Vlv	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-HV-8875D	N2 Supply Iso Vlv	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-HV-8878A	Accum Tank Fill from SI Pump	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-HV-8878B	Accum Tank Fill from SI Pump	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-HV-8878C	Accum Tank Fill from SI Pump	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-HV-8878D	Accum Tank Fill from SI Pump	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-LT-950	Accum Tnk A Level	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-LT-951	Accum Tnk A Level	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-LT-952	Accum Tnk B Level	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-LT-953	Accum Tnk B Level	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-LT-954	Accum Tank C Level	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-LT-955	Accum Tnk C Level	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-LT-956	Accum Tnk D Level	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-LT-957	Accum Tnk D Level	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-PT-960	Accum Tnk A Press	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-PT-961	Accum Tnk A Press	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-PT-962	Accum Tnk B Press	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-PT-963	Accum Tnk B Press	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
EP-PT-964	Accum Tnk C Press	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-PT-965	Accum Tnk C Press	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-PT-966	Accum Tnk D Press	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-PT-967	Accum Tnk D Press	2000	M 771	B	C	D	T1	F3	F6	T6	T5	T3	* 2
EP-TEP01A	Accumulator Tank A	2000	M 723	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EP-TEP01B	Accumulator Tank B	2000	M 723	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EP-TEP01C	Accumulator Tank C	2000	M 723	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EP-TEP01D	Accumulator Tank D	2000	M 723	B	B	D	T1	F3	F6	T6	T5	T3	* 1
EP-V-0010	RC Boundary Vlv SI Pump (Check)	2000	M 231C	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-0020	RC Boundary Vlv SI Pump (Check)	2000	M 231C	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-0030	RC Boundary Valve SI Pump (Check)	2000	M 231C	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-0040	RC Boundary Vlv SI Pump (Check)	2000	M 231C	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-0046	Nitrogen Supply to SI Accumulator Iso (Check)	2000	J 603A	B	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-8818A	RC Boundary Vlv RHR Pump (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-8818B	RC Boundary Vlv RHR Pump (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-8818C	RC Boundary Vlv RHR Pump (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-8818D	RC Boundary Valve RHR Pump (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-8855A	Accum Vent to Ctmt (Rlf)	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-V-8855B	Accum Vent to Ctmt (Rlf)	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-V-8855C	Accum Vent to Ctmt (Rlf)	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-V-8855D	Accum Vent to Ctmt (Rlf)	2000	M 724	B	C	D	T1	F3	F6	T6	T5	T3	* 1
EP-V-8956A	RC Boundary Vlv Acc Tank A (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-8956B	RC Boundary Vlv Acc Tank B (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-8956C	RC Boundary Vlv Acc Tank C (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2
EP-V-8956D	RC Boundary Valve Acc Tank D (Check)	2000	M 724	A	B	D	T1	F3	F6	T6	T5	T3	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLJ CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
FC-EFC02	Aux FW Pump Turbine L.O. Hx	1331	M 021	C	D	C	T1	NA	NA	T7	NA	NA	* 1
FC-FFC02	Turbine L.O. Filter	1331	M 021	C	D	C	T1	NA	NA	T7	NA	NA	* 1
FC-FV-0313	Turbine Speed-Governing Valve	1331	M 021	D	D	C	T1	NA	NA	T7	NA	NA	* 3
FC-HV-0312	Turbine Manual Trip and Throttle Valve	1331	M 021	D	D	C	T1	NA	NA	T7	NA	NA	* 3
FC-KFC02	Aux Feed Pump Turbine	1331	M 021	D	D	C	T1	NA	NA	T7	NA	NA	* 3
FC-LT-0010	AFW Turb Stm Line Drn Level	1207	J 301	C	D	C	T1	F9	F30	T7	T5	NA	* 1
FC-LV-0010	AFW Turb Stm Ln Drn Trap Byps	1207	J 601A	C	D	C	T1	F9	F30	T7	T5	NA	* 1
FC-PFC04	Turbine L.O. Pump	1331	M 021	D	D	C	T1	NA	NA	T7	NA	NA	* 3
FC-PI-0311	Aux Fdwtr Turb Steam Inlet	1329	J 515A	C	D	D	T1	F47	F48	T7	T5	NA	* 1
FC-V-0001	Main Steam Iso (Ck)	1412	M 224B	C	B	C	T1	F25	F39	T7	T5	NA	* 1
FC-V-0002	Main Steam Iso (Ck)	1412	M 224B	C	B	C	T1	F25	F39	T7	T5	NA	* 1
FC-V-0003	Aux Steam Iso (Ck)	1331	M 224B	C	D	C	T1	NA	NA	T7	NA	NA	* 3
FC-V-0004	Aux Steam Iso (Man)	1331	M 224B	C	D	C	T1	NA	NA	T7	NA	NA	* 2
FC-V-0024	Main Steam Iso (Ck)	1412	M 224B	C	B	D	T1	F25	F39	T7	T5	NA	* 3
FC-V-0025	Main Steam Iso (Ck)	1412	M 224B	C	B	D	T1	F25	F39	T7	T5	NA	* 3
GD-CGD01A	ESW Pump Room Supply Fan	K105	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GD-CGD01A	ESW Pump Room Supply Fan	U104	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GD-CGD01B	ESW Pump Room Supply Fan	K104	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GD-CGD01B	ESW Pump Room Supply Fan	U105	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GD-CGD02A	Cooling Tower Elect. Rm. Supply Fan	U302	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GD-CGD02B	Cooling Tower Elect. Rm. Supply Fan	U305	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GD-D-0001	Backdraft Damper ESW Pumphouses	K105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0001	Backdraft Damper ESW Pumphouses	U104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0002	Flow Control Damper ESW Pumphouses	K105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GD-D-0002	Flow Control Damper ESW Pumphouses	U104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GD-D-0003	Tornado Damper ESW Pumphouses	K105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0003	Tornado Damper ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0004	Flow Control Damper ESW Pumphouses	K105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GD-D-0004	Flow Control Damper ESW Pumphouses	U104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0008	Backdraft Damper ESW Pumphouses	K104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0008	Backdraft Damper ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0009	Flow Control Damper ESW Pumphouses	K104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GD-D-0009	Flow Control Damper ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0010	Tornado Damper ESW Pumphouses	K104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0010	Tornado Damper ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0011	Flow Control Damper ESW Pumphouses	K104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GD-D-0011	Flow Control Damper ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0012	Flow Control Damper ESW Pumphouses	K105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GD-D-0012	Flow Control Damper ESW Pumphouses	U104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0013	Flow Control Damper ESW Pumphouses	K104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GD-D-0013	Flow Control Damper ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0015	Flow Control Damper ESW Pumphouses	U104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0016	Flow Control Damper ESW Pumphouses	U104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0017	Flow Control Damper ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0018	Flow Control Damper ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0019	Flow Control Damper ESW Pumphouses	U104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0020	Flow Control Damper - ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0021	Backdraft Damper - ESW Pumphouses	U104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0022	Tornado Damper - ESW Pumphouses	U104	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GD-D-0023	Backdraft Damper - ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2

SNUPP EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GD-D-0024	Tornado Damper - ESW Pumphouses	U105	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GE-D-0044	Aux Bldg Iso Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GE-D-0045	Aux Bldg Iso Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GE-D-0046	Aux Bldg Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GE-D-0047	Aux Bldg Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GE-D-0048	Aux Bldg Backdraft Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 2
GF-D-0024	Aux Bldg Iso Damper	1504	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GF-D-0025	Aux Bldg Iso Damper	1504	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GF-D-0028	Aux Bldg Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GF-D-0029	Aux Bldg Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GF-D-0033	Aux Bldg Iso Damper	1122	M 627A	A	D	C	T1	F9	F30	T7	T5	NA	* 1
GF-D-0034	Aux Bldg Iso Damper	1122	M 627A	A	D	C	T1	F9	F30	T7	T5	NA	* 1
GF-D-0035	Aux Bldg Iso Damper	1122	M 627A	A	D	C	T1	F9	F30	T7	T5	NA	* 1
GF-D-0036	Aux Bldg Iso Damper	1122	M 627A	A	D	C	T1	F9	F30	T7	T5	NA	* 1
GF-D-0042	Aux Fdwtr Turbine Pmp Rm Backdraft Damper	1330	M 627A	A	D	D	T1	NA	NA	T7	NA	NA	* 2
GF-D-0043	Aux Fdwtr Turbine Pmp Rm Tornado Damper	1305	M 627A	D	D	C	T1	NA	NA	T7	NA	NA	* 2
GF-D-0046	Aux Bldg Backdraft Damper	1122	M 627A	A	D	C	T1	F9	F30	T7	T5	NA	* 2
GF-D-0047	Aux Bldg Tornado Damper	1122	M 627A	A	D	C	T1	F9	F30	T7	T5	NA	* 2
GF-D-0060	Aux Fdwtr Turbine Pmp Rm Iso Damper	1328	M 627A	A	D	C	T1	NA	NA	T7	NA	NA	* 1
GF-D-0061	Aux Fdwtr Turbine Pmp Rm Iso Damper	1328	M 627A	A	D	C	T1	NA	NA	T7	NA	NA	* 1
GF-D-0062	Main Stm Enclosure Iso Damper	1506	M 627A	A	C	D	T1	F24	NA	T7	T5	NA	* 2
GF-D-0063	Main Stm Enclosure Iso Damper	1506	M 627A	A	C	D	T1	F24	NA	T7	T5	NA	* 2
GF-D-0064	Main Stm Enclosure Backdraft Damper	1506	M 627A	A	C	D	T1	F24	NA	T7	T5	NA	* 2
GF-D-0065	Aux Bldg Iso Damper	1410	M 627A	A	D	D	T1	F23	F38	T7	T5	NA	* 1
GF-D-0067	Aux Bldg Tornado Damper	1410	M 627A	C	C	C	T1	F23	F38	T7	T5	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GF-D-0068	Aux Feedwtr Turbine Pump Rm Iso Damper	1305	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GF-D-0069	Aux Feedwtr Turbine Pump Rm Iso Damper	1305	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GF-SGF02A	Auxiliary Feed Pump Room Cooler	1326	M 612	D	D	D	T1	NA	NA	T7	NA	NA	* 3
GF-SGF02B	Auxiliary Feed Pump Room Cooler	1325	M 612	D	D	D	T1	NA	NA	T7	NA	NA	* 3
GG-CGG02A	Emergency Exh. Fan	6304	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GG-CGG02B	Emergency Exh. Fan	6303	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GG-D-0003	Fuel Bldg Iso Damper	6203	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0004	Fuel Bldg Iso Damper	6203	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0011	Fuel Bldg Fire Damper	6304	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0018	Fuel Bldg Iso Damper	6303	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0019	Fuel Bldg Iso Damper	6303	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0021	Fuel Bldg Backdraft Damper	6303	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GG-D-0023	Fuel Bldg/Aux Bldg Fire Damper	6303	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0025	Fuel Bldg Iso Damper	6304	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0026	Fuel Bldg Iso Damper	6304	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0028	Fuel Bldg Backdraft Damper	6304	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GG-D-0030	Fuel Bldg/Aux Bldg Fire Damper	6303	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0033	Fuel Bldg/Aux Bldg Fire Damper	6304	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0035	Aux Bldg Backdraft Damper	1507	M 627A	A	D	D	T1	F24	F38	T7	T5	NA	* 2
GG-D-0037	Aux Bldg Backdraft Damper	1507	M 627A	A	D	D	T1	F24	F38	T7	T5	NA	* 2
GG-D-0038	Fuel Bldg Tornado Damper	1507	M 627A	B	D	D	T1	F24	F38	T7	T5	NA	* 2
GG-D-0039	Fuel Bldg Tornado Damper	1507	M 627A	B	D	D	T1	F24	F38	T7	T5	NA	* 2
GG-D-0042	Fuel Bldg Iso Damper	6304	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0043	Fuel Bldg Iso Damper	6303	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0045	Aux Bldg Fire Damper	1504	M 627B	D	D	D	T1	F24	NA	T7	T5	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GG-D-0046	Aux Bldg Fire Damper	1504	M 627B	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GG-D-0056	Fuel Bldg Fire Damper	6303	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0057	Fuel Bldg Fire Damper	6303	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0061	Fuel Bldg Fire Damper	6303	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-D-0067	Fuel Bldg Fire Damper	6303	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GG-EGG01A	Exh. Heating Coil	6304	M 621	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GG-EGG01B	Exh Heating Coil	6303	M 621	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GG-FGG02A	Filter-Absorber Unit	6304	M 621	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GG-FGG02B	Filter-Absorber Unit	6303	M 621	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GG-SGG04A	SFP Pump Room Cooler	6105	M 612	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GG-SGG04B	SFP Pump Room Cooler	6104	M 612	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GH-RE-0010B	RW Bldg EFFL Radn	7302	J 361A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-AE-0002	Chlorine Detector	1513	J 375	D	D	D	T1	F24	F38	T7	T5	NA	* 1
GK-AE-0003	Chlorine Detector	1513	J 375	D	D	D	T1	F24	F38	T7	T5	NA	* 1
GK-CGK03A	Control Room Filter Fan	1512	M 619.2	D	D	D	T1	NA	NA	T7	NA	NA	* 3
GK-CGK03B	Control Room Filter Fan	1501	M 619.2	D	D	D	T1	NA	NA	T7	NA	NA	* 3
GK-CGK04A	Control Room Pressure Fan	3416	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GK-CGK04B	Control Room Pressure Fan	3415	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GK-D-0002	Cntrl Bldg Supply Fan Iso Damper	1513	M 627A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
GK-D-0004	Upper Spreading Rm Unit Htr Iso Damper	3801	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0005	Cntrl Rm Elect Duct Htr Iso Damper	3609	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0006	Lwr Spreading Rm Iso Damper	3501	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0007	Elect Equip A/C Unit Iso Damper	3411	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0008	Exhaust System Iso Damper	3302	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0009	Access Control Supply Iso Damper	3211	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GK-D-0012	ESF Switchgr Rm Iso Damper	3302	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0013	Exhaust System Iso Damper	3411	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0014	Lower Spreading Rm Iso Damper	3501	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0015	Exhaust System Iso Damper	3609	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0016	Exhaust System Iso Damper	3801	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0018	Exhaust System Iso Damper	1513	M 627A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
GK-D-0021	Cntrl Bldg Tornado Damper	1513	M 627A	D	D	D	T1	F24	F38	T7	T5	NA	* 2
GK-D-0025	Access Cntrl Exhaust Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GK-D-0035	Class IE Elec Equip A/C Unit Fire Damper	3415	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0055	Battery Rm #1 Fire Damper	3413	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0056	Battery Rm #3 Fire Damper	3414	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0057	Swgr Rm #1 Fire Damper	3408	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0058	Swgr Rm #1 Fire Damper	3414	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0060	Class IE A/C Unit Man Bal Damper	3415	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0062	Battery Rm #3 Fire Damper	3414	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0063	Batt Rm #1 Fire Damper	3408	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0064	Swgr Rm #3 Fire Damper	3414	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0065	Swgr Rm #1 Fire Damper	3408	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0067	Electric & Mech Equip Rm Fire Damper	3415	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0068	Swgr Rm #4 Fire Damper	3404	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0069	Swgr Rm #2 Fire Damper	3404	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0070	Battery Rm #4 Fire Damper	3411	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0071	Battery Rm #2 Fire Damper	3411	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0073	Class IE A/C Unit Man Bal Damper	3416	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0075	Control Bldg Fire Damper	3404	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GK-D-0076	Swgr Rm #4 Fire Damper	3404	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0077	Battery Rm #2 Fire Damper	3410	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0078	Battery Rm #4 Fire Damper	3404	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0079	Elect & Mech Eq Rm Fire Damper	3415	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0080	Cntrl Rm A/C Unit Supply Iso Damper	1512	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 2
GK-D-0081	Cntrl Rm A/C Unit Iso Damper	1512	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0082	Cntrl Rm Filt Fan Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0083	Cntrl Rm Filter Train Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0084	Cntrl Rm A/C Unit Supply Iso Damper	1501	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 2
GK-D-0085	Cntrl Rm A/C Unit Iso Damper	1501	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0086	Cntrl Rm Filt Fan Iso Damper	1501	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0087	Cntrl Rm Filter Train Iso Damper	1501	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0088	C.R. Pressurization Iso Damper	3415	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0089	C.R. Pressurization Fire Damper	3415	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0091	ESF Swgr Rm II Fire Damper	3301	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0094	Control Bldg Fire Damper	3801	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0095	Control Bldg Fire Damper	3801	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0099	ESF Swgr Rm Fire Damper	3301	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0100	C.R. Pressurization Fire Damper	3415	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0101	C.R. Pressurization Man Bal Damper	3415	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0104	Cntrl Bldg Manual Balance Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0105	C.R. Pressurization Iso Damper	3416	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0106	C.R. Pressurization Fire Damper	3416	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0108	ESF Swgr Rm II Fire Damper	3301	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0111	Control Bldg Fire Damper	3801	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GK-D-0112	Control Bldg Fire Damper	3801	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0116	ESF Swgr Rm Fire Damper	3301	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0117	C.R. Pressurization Man Bal Damper	3416	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0118	C.R. Pressurization Fire Damper	3416	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0121	Control Bldg Manual Balance Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0122	ESF Swgr Rm II Fire Damper	3301	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0124	ESF Swgr Rm Fire Damper	3302	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0128	Supply Air Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 4
GK-D-0129	Supply Air Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 4
GK-D-0130	Exhaust Air Iso Damper	1513	M 627B	D	D	D	T1	F24	F38	T7	T5	NA	* 1
GK-D-0131	Exhaust Air Iso Damper	1513	M 627B	D	D	D	T1	F24	F38	T7	T5	NA	* 1
GK-D-0132	Access Cntrl Exhaust Iso Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GK-D-0133	Access Cntrl Exhaust Iso Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GK-D-0134	Supply Air Fire Damper	1501	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0135	Control Bldg Fire Damper	3801	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0136	C. R. Duct Htr Fire Damper	1513	M 627B	D	D	D	T1	F24	F38	T7	T5	NA	* 1
GK-D-0137	Lower CSR Fire Damper	3501	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0138	Control Bldg Fire Damper	3412	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0139	ESF Swgr Rm Supply Fire Damper	3301	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0140	ESF Swgr Rm Fire Damper	3301	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0141	Access Cntrl Supply Fire Damper	3211	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0143	ESF Swgr Rm Fire Damper	3301	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0144	Control Bldg Fire Damper	3412	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0145	Lower CSR Fire Damper	3501	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0146	C.B. Fire Damper	1512	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GK-D-0147	Control Bldg Fire Damper	3801	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0148	C.B. Fire Damper	1512	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0149	Control Bldg Fire Damper	3218	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0151	C.B. Fire Damper	1512	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0160	Elect & Mech Equip Rm Fire Damper	3416	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0161	Class IE A/C Unit Fire Damper	3416	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0162	Control Bldg Fire Damper	3416	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0163	Elect & Mech Equip Rm Fire Damper	3416	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0164	Class IE A/C Unit Fire Damper	3415	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0165	Control Bldg Fire Damper	3415	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0166	Control Bldg Fire Damper	1512	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0167	Control Bldg Fire Damper	1512	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0168	Control Bldg Fire Damper	1501	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0169	Control Bldg Fire Damper	1501	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0170	C.R. Pressurization Fire Damper	3411	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0171	Lower CSR Fire Damper	3501	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0172	Lower CSR Fire Damper	3501	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0174	C.R. Pressurization Fire Damper	3411	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0175	Lower CSR Fire Damper	3501	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0176	Lower CSR Fire Damper	3501	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0178	ESF Swgr Rm #1 Fire Damper	3301	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0179	Control Bldg Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0180	Control Bldg Fire Damper	1512	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0181	Control Bldg Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0182	Control Bldg Fire Damper	1512	M 627B	D	D	D	T1	NA	NA	T7	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GK-D-0184	ESF Swgr Rm Fire Damper	3301	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0198	Chase & Tnk Area Supply Iso Damper	3101	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0199	Chase & Tnk Area Supply Iso Damper	3101	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0201	Chase and Tnk Area Supply Tornado Damper	3101	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GK-D-0202	Chase and Tnk Area Exhaust Iso Damper	3101	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0203	Chase and Tnk Area Exhaust Iso Damper	3101	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0205	Chase and Tnk Area Exhaust Backdraft Damper	3101	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0208	Hot Lab Supply Iso Damper	3222	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0209	Hot Lab Supply Iso Damper	3224	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0211	Hot Lab Supply Backdraft Damper	3224	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0212	Hot Lab Exhaust Iso Damper	3224	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0213	Hot Lab Exhaust Iso Damper	3224	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0215	Hot Lab Exhaust Tornado Damper	3224	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GK-D-0219	Exhaust System Iso Damper	3218	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0220	Elect Equip A/C Iso Damper	3218	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0231	C.R. Pressurization Fire Damper	3416	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0232	C.R. Pressurization Fire Damper	3412	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0233	C.R. Pressurization Fire Damper	3413	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0234	Battery Rm #1 Fire Damper	3405	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0235	Battery Rm #3 Fire Damper	3413	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0236	C.R. Pressurization Fire Damper	3412	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0237	Battery Rm #4 Fire Damper	3405	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0238	Battery Rm #2 Fire Damper	3411	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0239	C.R. Pressurization Fire Damper	3411	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0240	C.R. Pressurization Fire Damper	3411	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GK-D-0241	C.R. Pressurization Fire Damper	3401	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0242	C.R. Pressurization Fire Damper	3411	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0249	Class IE A/C Unit Fire Damper	3415	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0251	C.R. Pressurization Fire Damper	3415	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0264	C.R. Fire Damper	3605	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0265	Cabinet Rm Fire Damper	3605	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0269	Control Bldg Fire Damper	3605	M 627B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0270	Cabinet Rm Manual Bal. Damper	3605	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0271	Cabinet Rm Manual Bal. Damper	3605	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0272	Cabinet Rm Manual Bal. Damper	3605	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0273	Cabinet Rm Manual Bal. Damper	3605	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0274	Cabinet Rm Manual Bal. Damper	3605	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0275	Cabinet Rm Manual Bal. Damper	3605	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0276	Cabinet Rm Manual Bal. Damper	3605	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0277	Cabinet Rm Manual Bal. Damper	3605	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0279	C.R. Elect Duct Htr Iso Damper	1513	M 627A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
GK-D-0281	Control Bldg Fire Damper	1501	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0283	C.B. Exhaust Fan Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0285	C.R. A/C Unit Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0286	Control Bldg Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0292	C.R. Press. Fan Iso Damper	3415	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0298	C.R. Pressurization Fire Damper	3416	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0299	C.R. Pressurization Fire Damper	3415	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0300	Supply Fan Iso Damper	1501	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0301	Exhaust Fan Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GK-D-0304	SAS Room Fire Damper	3618	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0309	Supply Fan Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0310	Supply Fan Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0311	Exhaust Fan Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0312	Exhaust Fan Iso Damper	1513	M 627A	D	D	D	T1	F24	F38	T7	T5	NA	* 1
GK-D-0313	Access Cntrl Exhaust Iso Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0314	Access Control Exhaust Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 2
GK-D-0315	C.R. Pressurization Backdraft Damper	3416	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0316	C.R. Pressurization Backdraft Damper	3416	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0317	C.R. Pressurization Fan Iso Damper	3416	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0318	C.R. Exhaust Iso Damper	1501	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0319	Control Bldg Iso Damper	1501	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0320	ESF Swgr Rm II Iso Damper	3301	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0321	ESF Swgr Rm II Fire Damper	3301	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0322	ESF Swgr Rm Fire Damper	3302	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0323	Exhaust Syst Iso Damper	3302	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0324	Control Rm A/C Unit Discharge Man. Bal. Damper	3415	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0325	Control Rm A/C Unit Discharge Man. Bal. Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0326	Control Bldg Manual Balance Damper	1501	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0327	Control Bldg Manual Balance Damper	1512	M 627A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
GK-D-0334	Control Bldg Manual Bal. Damper	3415	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0335	C.B. Manual Bal. Damper	3415	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-D-0338	Control Bldg Manual Bal. Damper	3416	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GK-FGK01A	Deleted												* 4
GK-FGK01A	Filter Adsorber Unit	1512	M 621	D	D	D	T1	NA	NA	T7	NA	NA	* 3

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GK-FGK01B	Deleted												* 4
GK-FGK01B	Filter Adsorber Unit	1501	M 621	D	D	D	T1	NA	NA	T7	NA	NA	* 3
GK-FGK02A	Deleted												* 4
GK-FGK02A	CR Press Filter Adsorber Unit	3416	M 621	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GK-FGK02B	Deleted												* 4
GK-FGK02B	CR Press Filter Adsorber Unit	3415	M 621	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GK-SGK04A	Control Room A/C Unit	1512	M 622.1	D	D	D	T1	NA	NA	T7	NA	NA	* 3
GK-SGK04B	Control Room A/C Unit	1501	M 622.1	D	D	D	T1	NA	NA	T7	NA	NA	* 3
GK-SGK05A	Class IE Elec. Equip. A/C Unit	3416	M 622.1	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GK-SGK05B	Class IE Elec. Equip. A/C Unit	3415	M 622.1	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GL-D-0030	Piping Pen. Rm Exhaust Iso Damper	1301	M 627A	A	D	C	T1	F17	F34	T7	T5	NA	* 1
GL-D-0031	Piping Pen. Rm Exhaust Iso Damper	1301	M 627A	A	D	C	T1	F17	F34	T7	T5	NA	* 1
GL-D-0032	Aux Bldg Iso Damper	1301	M 627A	A	D	C	T1	F17	F34	T7	T5	NA	* 1
GL-D-0033	Aux Bldg Iso Damper	1301	M 627A	A	D	C	T1	F17	F34	T7	T5	NA	* 1
GL-D-0036	Access Tunnel Exhaust Iso Damper	1102	M 627A	D	D	C	T1	F8	F26	T7	T5	NA	* 2
GL-D-0037	Access Tunnel Exhaust Iso Damper	1102	M 627A	D	D	C	T1	F8	F26	T7	T5	NA	* 2
GL-D-0038	Access Tunnel Supply Iso Damper	1102	M 627A	D	D	C	T1	F8	F26	T7	T5	NA	* 2
GL-D-0039	Access Tunnel Supply Iso Damper	1102	M 627A	D	D	C	T1	F8	F26	T7	T5	NA	* 2
GL-D-0042	Access Tunnel Supply Backdraft Damper	1102	M 627A	D	D	C	T1	F8	F26	T7	T5	NA	* 2
GL-D-0043	Access Tunnel Exhaust Tornado Damper	1102	M 627A	D	D	C	T1	F8	F26	T7	T5	NA	* 2
GL-D-0044	Hot Mach Shp Supply Tornado Damper	1314	M 627A	C	D	C	T1	F17	F36	T7	T5	NA	* 2
GL-D-0045	Aux Bldg Backdraft Damper	1314	M 627A	C	D	C	T1	F17	F36	T7	T5	NA	* 2
GL-D-0046	Ctmt Purge HVAC Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GL-D-0047	Ctmt Purge HVAC Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GL-D-0052	Aux/Fuel Bldgs Exhaust Fan Iso Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GL-D-0053	Aux/Fuel Bldgs Exhaust Fan Iso Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GL-D-0055	Fuel Bldg HVAC Fire Damper	1507	M 627A	C	D	D	T1	F24	F38	T7	T5	NA	* 2
GL-D-0056	Fuel Bldg HVAC Fire Damper	1507	M 627A	C	D	D	T1	F24	F38	T7	T5	NA	* 2
GL-D-0057	Fuel Bldg Exhaust Backdraft Damper	1507	M 627A	A	D	D	T1	F24	F38	T7	T5	NA	* 1
GL-D-0058	Fuel Bldg Exhaust Iso Damper	1507	M 627A	A	D	D	T1	F24	F38	T7	T5	NA	* 1
GL-D-0069	Pipe Penetration Rm Fire Damper	1323	M 627A	C	D	D	T1	F21	F37	T7	T5	NA	* 2
GL-D-0112	Basement Corridor Exhaust Fire Damper	1320	M 627A	C	D	C	T1	F18	F36	T7	T5	NA	* 1
GL-D-0113	Basement Corr. Exhaust Fire Damper	1320	M 627A	C	D	C	T1	F18	F36	T7	T5	NA	* 1
GL-D-0128	Aux Bldg Backdraft Damper	1307	M 627A	C	D	D	T1	F19	F35	T7	T5	NA	* 2
GL-D-0129	Aux Bldg Backdraft Damper	1308	M 627A	C	D	C	T1	F19	F35	T7	T5	NA	* 1
GL-D-0132	Aux Bldg Iso Damper	1307	M 627A	A	D	D	T1	F19	F35	T7	T5	NA	* 2
GL-D-0133	Aux Bldg Iso Damper	1308	M 627A	A	D	C	T1	F19	F35	T7	T5	NA	* 1
GL-D-0134	Aux Bldg Iso Damper	1307	M 627A	A	D	D	T1	F19	F35	T7	T5	NA	* 2
GL-D-0135	Aux Bldg Iso Damper	1308	M 627A	A	D	C	T1	F19	F35	T7	T5	NA	* 1
GL-D-0150	Fuel Bldg Supply Backdraft Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GL-D-0151	Fuel Bldg Supply Backdraft Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GL-D-0156	CCW Pump Room Iso Damper	1410	M 627A	A	D	D	T1	F23	F38	T7	T5	NA	* 1
GL-D-0157	CCW Pump Room Iso Damper	1410	M 627A	A	D	D	T1	F23	F38	T7	T5	NA	* 1
GL-D-0158	Pen Rm Cooler Exhaust Man Balance Damper	1409	M 627A	C	D	D	T1	F23	F38	T7	T5	NA	* 2
GL-D-0159	Pen Rm Cooler Exhaust Man Balance Damper	1410	M 627A	C	D	D	T1	F23	F38	T7	T5	NA	* 2
GL-D-0173	Fuel Bldg Supply Fire Damper	1504/1507	M 627A	C	D	D	T1	F24	NA	T7	T5	NA	* 1
GL-D-0174	Fuel Bldg Supply Fire Damper	1504/1507	M 627A	C	D	D	T1	F24	NA	T7	T5	NA	* 1
GL-D-0177	Electrical Pen Rm Fire Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GL-SGL09A	SI Pump Room Cooler	1113	M 612	A	D	D	T1	F10	F27	T7	T5	NA	* 3
GL-SGL09B	SI Pump Room Cooler	1108	M 612	A	D	D	T1	F10	F27	T7	T5	NA	* 3

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GL-SGL10A	RHR Pump Room Cooler	1111	M 612	A	D	D	T1	F10	F27	T7	T5	NA	* 3
GL-SGL10B	RHR Pump Room Cooler	1109	M 612	A	D	D	T1	F10	F27	T7	T5	NA	* 3
GL-SGL11A	CCW Pump Room Cooler	1406	M 612	D	D	D	T1	F22	F38	T7	T5	NA	* 3
GL-SGL11B	CCW Pump Room Cooler	1401	M 612	D	D	D	T1	F22	F38	T7	T5	NA	* 3
GL-SGL12A	Cent. Charging Pump Room Cooler	1114	M 612	A	D	D	T1	F10	F27	T7	T5	NA	* 3
GL-SGL12B	Cent. Charging Pump Room Cooler	1107	M 612	A	D	D	T1	F10	F27	T7	T5	NA	* 3
GL-SGL13A	Ctmt. Spray Pump Room Cooler	1112	M 612	A	D	D	T1	F10	F27	T7	T5	NA	* 3
GL-SGL13B	Ctmt. Spray Pump Room Cooler	1110	M 612	A	D	D	T1	F10	F27	T7	T5	NA	* 3
GL-SGL15A	Penetration Room Cooler	1410	M 612	A	D	D	T1	F23	F38	T7	T5	NA	* 3
GL-SGL15B	Penetration Room Cooler	1409	M 612	A	D	D	T1	F23	F38	T7	T5	NA	* 3
GL-V-0004	Pen Rm Cooler to ESW (Man.)	1128	M 223C	B	D	C	T1	F9	F30	T7	T5	NA	* 1
GL-V-0008	CCP Rm Cooler (Man.)	1114	M 223C	B	D	D	T1	F10	F27	T7	T5	NA	* 1
GL-V-0009	SI Pmp Rm Cooler (Man.)	1113	M 223C	B	D	D	T1	F10	F27	T7	T5	NA	* 1
GL-V-0010	RHR Pmp Rm Cooler (Man.)	1111	M 223C	B	D	D	T1	F10	F27	T7	T5	NA	* 1
GL-V-0011	C.S. Pmp Rm Cooler (Man.)	1112	M 223C	B	D	D	T1	F10	F27	T7	T5	NA	* 1
GL-V-0013	CCW Pump Rm Cooler to ESW (Man.)	1406	M 223C	B	D	D	T1	F22	F38	T7	T5	NA	* 1
GL-V-0016	C.S. Pmp Rm Cooler (Man.)	1110	M 223C	B	D	D	T1	F10	F27	T7	T5	NA	* 1
GL-V-0017	RHR Pmp Rm Cooler (Man.)	1109	M 223C	B	D	D	T1	F10	F27	T7	T5	NA	* 1
GL-V-0018	SI Pmp Rm Cooler (Man.)	1108	M 223C	B	D	D	T1	F10	F27	T7	T5	NA	* 1
GL-V-0019	CCP Rm Cooler (Man.)	1107	M 223C	B	D	D	T1	F10	F27	T7	T5	NA	* 1
GL-V-0021	CCW Pump Rm Cooler to ESW (Man.)	1401	M 223C	D	D	D	T1	F22	F38	T7	T5	NA	* 2
GL-V-0022	Pen Rm Cooler (Man.)	1409	M 223C	B	D	D	T1	F23	F38	T7	T5	NA	* 1
GM-CGM01A	Diesel Gen. Vent. Supply Fan	5203	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GM-CGM01B	Diesel Gen. Vent. Supply Fan	5201	M 619.2	D	D	D	T1	NA	NA	NA	NA	NA	* 3
GM-D-0001	D.G. Bldg Air Intake Backdraft Damper	5203	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GM-D-0002	D.G. Bldg Air Intake Iso Damper	5203	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0003	D.G. Bldg Supply Iso Damper	5203	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GM-D-0004	D.G. Bldg Exhaust Tornado Damper	5203	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GM-D-0005	D.G. Bldg Exhaust Iso Damper	5203	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0006	D.G. Bldg Air Intake Backdraft Damper	5201	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0007	D.G. Bldg Air Intake Iso Damper	5201	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0008	D.G. Bldg Supply Iso Damper	5201	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 2
GM-D-0009	D.G. Bldg Exhaust Iso Damper	5201	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0010	D.G. Bldg Exhaust Iso Damper	5201	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0011	D.G. Bldg Supply Man. Bal. Damper	5203	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0012	D.G. Bldg Supply Man Bal. Damper	5203	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0013	D.G. Bldg Supply Man. Bal. Damper	5203	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0014	D.G. Bldg Supply Man. Bal. Damper	5201	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0015	D.G. Bldg Supply Man. Bal. Damper	5201	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GM-D-0016	D.G. Bldg Supply Man. Bal. Damper	5201	M 627A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
GN-CGN03A	Hydrogen Mixing Fan	2000	M 619.3	A	C	D	T1	F3	F6	T6	T5	T3	* 3
GN-CGN03B	Hydrogen Mixing Fan	2000	M 619.3	A	C	D	T1	F3	F6	T6	T5	T3	* 3
GN-CGN03C	Hydrogen Mixing Fan	2000	M 619.3	A	C	D	T1	F3	F6	T6	T5	T3	* 3
GN-CGN03D	Hydrogen Mixing Fan	2000	M 619.3	A	C	D	T1	F3	F6	T6	T5	T3	* 3
GN-PT-0934	Containment Pressure Sensor	2000	W (ESE-21)	A	A	D	T1	F3	F6	T6	T5	T3	* 4
GN-PT-0935	Containment Pressure Sensor	2000	W (ESE-21)	A	A	D	T1	F3	F6	T6	T5	T3	* 4
GN-PT-0936	Containment Pressure Sensor	2000	W (ESE-21)	A	A	D	T1	F3	F6	T6	T5	T3	* 4
GN-PT-0937	Containment Pressure Sensor	2000	W (ESE-21)	A	A	D	T1	F3	F6	T6	T5	T3	* 4
GN-PT-0938	Wide Range Containment Pressure Sensor	2000	W (ESE-21)	A	A	D	T1	F3	F7	T6	T5	T3	* 4
GN-PT-0939	Wide Range Containment Pressure Sensor	2000	W (ESE-21)	A	A	D	T1	F3	F6	T6	T5	T3	* 4

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GN-SGN01A	Containment Cooler	2000	M 620	A	A	D	T1	F3	F6	T6	T5	T3	* 3
GN-SGN01B	Containment Cooler	2000	M 620	A	A	D	T1	F3	F6	T6	T5	T3	* 3
GN-SGN01C	Containment Cooler	2000	M 620	A	A	D	T1	F3	F6	T6	T5	T3	* 3
GN-SGN01D	Containment Cooler	2000	M 620	A	A	D	T1	F3	F6	T6	T5	T3	* 3
GN-V-0001	Ctmt Cooler A to C Crossover (Man.)	2000	M 236	B	B	D	T1	F3	F6	T6	T5	T3	* 1
GN-V-0002	Ctmt Cooler B to D Crossover (Man.)	2000	M 236	B	B	D	T1	F3	F6	T6	T5	T3	* 1
GN-V-0003	Ctmt Cooler A to C Crossover (Man.)	2000	M 236	B	B	D	T1	F3	F6	T6	T5	T3	* 1
GN-V-0004	Ctmt Cooler B to D Crossover (Man.)	2000	M 236	B	B	D	T1	F3	F6	T6	T5	T3	* 1
GN-V-0039	Ctmt Cooler A to C Crossover (Man.)	2000	M 223A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
GN-V-0040	Ctmt Cooler B to D Crossover (Man.)	2000	M 223A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
GN-V-0041	Ctmt Cooler A to C Crossover (Man.)	2000	M 223A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
GN-V-0042	Ctmt Cooler B to D Crossover (Man.)	2000	M 223A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
GS-HV-0020	Ctmt Iso On Aux Bldg ESF Filters Inlet	2000	M 237	A	A	D	T1	F3	F6	T6	T5	T3	* 3
GS-HV-0021	Containment Isolation	1322	M 237	A	D	D	T1	F21	F37	T7	T5	NA	* 3
GS-SGS02A	H2 Analyzer	1504	J 359	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GS-SGS02B	H2 Analyzer	1506	J 359	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GS-SGS03A	H2 Analyzer Calib Bottle & Ctrl Panel Skid	1504	J 359	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GS-SGS03B	H2 Analyzer Calib Bottle & Ctrl Panel Skid	1506	J 359	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GS-V-0001	Ctmt Sample Pts to H2 Analyzer (Man.)	1507	M 231A	B	D	D	T1	F24	F38	T7	T5	NA	* 1
GS-V-0004	Pass to H2 Analyzer (Man.)	1322	M 231A	B	D	D	T1	F21	F37	T7	T5	NA	* 1
GS-V-0007	Ctmt Sample Pts to H2 Analyzer (Man.)	1506	M 231A	B	D	D	T1	F24	NA	T7	T5	NA	* 1
GS-V-0010	Pass to H2 Analyzer (Man.)	1323	M 231A	B	D	D	T1	F21	F37	T7	T5	NA	* 1
GS-V-0054	Pass Sample Return Isolation (Ck)	1323	J 603A	B	D	D	T1	F21	F37	T7	T5	NA	* 1
GS-V-0059	Pass Sample Return Isolation (Ck)	1322	J 603A	B	D	D	T1	F21	F37	T7	T5	NA	* 1
GS-V-0100	H2 Analyzer to Sample Vessel (Man.)	1506	J 359	B	D	D	T1	F24	NA	T7	T5	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GS-V-0101	H2 Analyzer to Sample Vessel (Man.)	1506	J 359	B	D	D	T1	F24	NA	T7	T5	NA	* 1
GS-V-0102	H2 Analyzer to Sample Vessel (Man.)	1506	J 359	B	D	D	T1	F24	NA	T7	T5	NA	* 1
GS-V-0103	H2 Analyzer to Sample Vessel (Man.)	1506	J 359	B	D	D	T1	F24	NA	T7	T5	NA	* 1
GS-V-0104	H2 Analyzer to Sample Vessel (Man.)	1504	J 359	D	D	D	T1	F24	NA	T7	T5	NA	* 2
GS-V-0105	H2 Analyzer to Sample Vessel (Man.)	1504	J 359	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GS-V-0106	H2 Analyzer to Sample Vessel (Man.)	1504	J 359	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GS-V-0107	H2 Analyzer to Sample Vessel (Man.)	1504	J 359	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GT-D-0001	Aux Bldg HVAC Intake Plenum	1506	M 627A	B	D	D	T1	F24	NA	T7	T5	NA	* 1
GT-D-0002	Ctmt Iso Damper (Tornado)	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 2
GT-D-0009	Ctmt Mini Purge Intake Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GT-D-0010	Ctmt Mini Purge Intake Iso Damper	1506	M 627A	A	D	D	T1	F24	NA	T7	T5	NA	* 1
GT-D-0011	Ctmt Shtdn Purge Iso Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GT-D-0012	Ctmt Shtdn Purge Iso Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GT-D-0014	Shtdn Purge Exhaust Fire Damper	1504	M 627A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
GT-HZ-0004	Deleted												* 4
GT-HZ-0004	Containment Isolation Valve	1506	M 237	A	D	D	T1	F24	NA	T7	T5	NA	* 3
GT-HZ-0005	Deleted												* 4
GT-HZ-0005	Containment Isolation Valve	2000	M 237	A	A	D	T1	F3	F6	T6	T5	T3	* 3
GT-HZ-0006	Deleted												* 4
GT-HZ-0006	Containment Isolation Valve	1506	M 237	A	D	D	T1	F24	NA	T7	T5	NA	* 3
GT-HZ-0007	Deleted												* 4
GT-HZ-0007	Containment Isolation Valve	2000	M 237	A	A	D	T1	F3	F6	T6	T5	T3	* 3
GT-HZ-0008	Deleted												* 4
GT-HZ-0008	Containment Isolation Valve	2000	M 237	A	A	D	T1	F3	F6	T6	T5	T3	* 3
GT-HZ-0009	Deleted												* 4

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
GT-HZ-0009	Auxiliary Bldg. Isolation Valve	1504	M 237	D	D	D	T1	F24	NA	T7	T5	NA	* 3
GT-HZ-0011	Deleted												* 4
GT-HZ-0011	Containment Isolation Valve	2000	M 237	A	A	D	T1	F3	F6	T6	T5	T3	* 3
GT-HZ-0012	Deleted												* 4
GT-HZ-0012	Containment Isolation Valve	1507	M 237	A	D	D	T1	F24	F38	T7	T5	NA	* 3
GT-RE-0021B	Unit Vent Radn	1504	J 361A	D	D	D	T1	F24	NA	T7	T5	NA	* 1
HB-EHB01	Reactor Coolant Drain Tank Hx	2000	M 722	C	C	D	T1	F3	F6	T6	T5	T3	* 1
HB-FI-0021	RCDT Heat Exch Disch F1	2000	J 517A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
HB-HV-7126	Ctmt Isol RCDT to Waste	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 5
HB-HV-7136	Ctmt Isol RCDT Ht Exch	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
HB-HV-7150	Ctmt Isol RCDT to Waste	1322	M 724	A	D	D	T1	F21	F37	T7	T5	NA	* 5
HB-HV-7176	Ctmt Isol	2000	M 724	A	A	D	T1	F3	F6	T6	T5	T3	* 5
HB-V-0036	RCDT Hx CCW Line Press Rlf Vlv (Thermal Rlf)	2000	M 141	B	B	D	T1	F3	F6	T6	T5	T3	* 2
JE-LT-0010	Emer Fuel Oil Day Tk A Lev	5203	J 301	D	D	D	T1	NA	NA	NA	NA	NA	* 1
JE-LT-0030	Emer Fuel Oil Day Tk B Lev	5201	J 301	D	D	D	T1	NA	NA	NA	NA	NA	* 1
JE-PDI-0015	Diesel Oil Strnr DP	5203	J 517A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
JE-PDI-0035	Diesel Oil Strnr	5201	J 517A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
JE-PDT-0007	Diesel Oil Strnr DP	5203	J 301	D	D	D	T1	NA	NA	NA	NA	NA	* 1
JE-PDT-0027	Diesel Oil Strnr	5201	J 301	D	D	D	T1	NA	NA	NA	NA	NA	* 1
JE-PJE01A	Emergency Fuel Oil Transfer Pump (Sub In Tank)	(50)	M 087	D	D	D	NA	NA	NA	NA	NA	NA	* 1
JE-PJE01B	Emergency Fuel Oil Transfer Pump (Sub In Tank)	(50)	M 087	D	D	D	NA	NA	NA	NA	NA	NA	* 1
JE-TJE01A	Emergency Fuel Oil Storage Tank	(50)	M 109	D	D	D	NA	NA	NA	NA	NA	NA	* 1
JE-TJE01B	Emergency Fuel Oil Storage Tank	(50)	M 109	D	D	D	NA	NA	NA	NA	NA	NA	* 1
JE-TJE02A	Emer Fuel Oil Day Tank	5203	M 105A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
JE-TJE02B	Emer Fuel Oil Day Tank	5201	M 105A	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
JE-YS-0001	Pump Discharge Wye Strainer	5203	M 157	D	D	D	T1	NA	NA	NA	NA	NA	* 1
JE-YS-0002	Pump Discharge Wye Strainer	5203	M 157	D	D	D	T1	NA	NA	NA	NA	NA	* 1
JE-YS-0003	Pump Discharge Wye Strainer	5201	M 157	D	D	D	T1	NA	NA	NA	NA	NA	* 1
JE-YS-0004	Pump Discharge Wye Strainer	5201	M 157	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-HV-0030	Hydrogen Makeup Air Supply Valve	2000	M 231C	A	C	D	T1	F3	F6	T6	T5	T3	* 3
KA-PCV-0101	Regulating Vlv (Air)	1305	J 601A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-PCV-0102	Regulating Vlv (Air)	1305	J 601A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-PCV-0103	Regulating Vlv (Air)	1304	J 601A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-PCV-0200	Regulating Vlv (Air)	1304	J 601A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-PI-0107	Aux Feedwater Control Rlf Vlv	1327	J 515A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-PI-0109	Aux Feedwater Control Rlf Vlv	1330	J 515A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-PI-0111	Aux Feedwater Control Rlf Vlv	1327	J 515A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-PI-0113	Aux Feedwater Control Rlf Vlv	1324	J 515A	C	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-PT-0108	AFW Ctrl/Atm Stm Dmp N2 Acc	1327	J 301	C	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-PT-0110	AFW Ctrl/Atm Stm Dmp N2 Acc	1330	J 301	C	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-PT-0112	AFW Ctrl/Atm Stm Dmp N2 Acc	1328	J 301	C	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-PT-0114	AFW Ctrl/Atm Stm Dmp N2 Acc	1324	J 301	C	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-TKA02	Accumulator	1304	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-TKA03	Accumulator	1305	M 105B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-TKA04	Accumulator	1305	M 105B	D	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-TKA05	Accumulator	1304	M 105B	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-V-0039	Ctmt Isol Vlv (Check)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
KA-V-0118	Ctmt Isol Vlv (Manual)	1322	M 223C	B	D	D	T1	F21	F37	T7	T5	NA	* 2
KA-V-0204	Ctmt Vlv Accumulator Isolation	2000	J 603A	B	B	D	T1	F3	F6	T6	T5	T3	* 1
KA-V-0648	Control Vlv Accumulator Isolation	1304	J 603A	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KA-V-0649	Control Vlv Accumulator Isolation	1305	J 603A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-V-0650	Control Vlv Accumulator Isolation	1305	J 603A	D	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-V-0651	Control Vlv Accumulator Isolation	1304	J 603A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-V-0652	Control Vlv Accumulator Isolation	4501	J 603A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-V-0697	Control Vlv Accumulator Isolation	4501	J 603A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-V-0700	Control Vlv Accumulator Isolation	4501	J 603A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-V-0703	Back-up Gas Supply Accum Tank Relief Valve	1304	M 141	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-V-0704	Back-up Gas Supply Accum Tank Relief Valve	1305	M 141	D	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-V-0705	Back-up Gas Supply Accum Tank Relief Valve	1305	M 141	D	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-V-0706	Back-up Gas Supply Accum Tank Relief Valve	1304	M 141	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-V-0710	Back-up Gas Supply Line Press. Relief Valve	1304	M 141	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KA-V-0711	Back-up Gas Supply Line Press. Relief Valve	1305	M 141	D	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-V-0712	Back-up Gas Supply Line Press. Relief Valve	1305	M 141	D	D	D	T1	NA	NA	T7	NA	NA	* 1
KA-V-0713	Back-up Gas Supply Line Press Relief Valve	1304	M 141	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KC-HV-0253	Containment Isolation Valve	1322	M 223C	A	D	D	T1	F21	F37	T7	T5	NA	* 3
KC-V-0478	Ctmt Iso Valve (Inside) (Check)	2000	M 223C	B	B	D	T1	F3	F6	T6	T5	T3	* 2
KC-XV-0561	Deluge Valve	5203	M 650	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KC-XV-0562	Deluge Valve	5201	M 650	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KE-HKE04	Spent Fuel Pool Bridge Crane	6106	M 067	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KE-HKE07	17 x 17 Spent Fuel Assy Handling Tool	6103	M 716	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KE-HKE08	Fuel Transfer Tube and Flange	6205	M 716	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KE-HKE09A	Fuel Transfer Elect Cont & Hydraulic Unit	6205	M 716	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KE-HKE09B	Fuel Transfer Elect Cont & Hydraulic Unit	6205	M 716	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KE-HKE13	Ctmt Bldg Polar Crane	2000	M 063	C	C	D	T1	F3	F6	T6	T5	T3	* 1
KE-HKE14	Cask Handling Crane	6103	M 062	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KE-HKE22	New Fuel Storage Racks for 17 x 17 Fuel Assy	6210	M 716	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KE-HKE23	Spent Fuel Storage Racks for 17 x 17 Fuel Assy	6106	C 175	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KE-HKE45	Reactor Missile Shield Undercarriage	2000	M 063A	C	C	D	T1	F3	F6	T6	T5	T3	* 1
KF-HKF04A	Ctmt Bldg Equipment Hatch Hoist	2000	C 151	C	C	D	T1	F3	F6	T6	T5	T3	* 1
KF-HKF04B	Ctmt Bldg Equipment Hatch Hoist	2000	C 151	C	C	D	T1	F3	F6	T6	T5	T3	* 1
KJ-BS1A	D.G. Fuel Oil Strnr A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 4
KJ-BS1B	D.G. Fuel Oil Strnr B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-EKJ01A	Jacket Water Htr	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-EKJ01B	Jacket Water Htr	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-EKJ02A	Lube Oil Htr	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-EKJ02B	Lube Oil Htr	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-EKJ03A	Intercooler Heat Exchanger A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-EKJ03B	Intercooler Heat Exchanger B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-EKJ04A	Lube Oil Cooler A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-EKJ04B	Lube Oil Cooler B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-EKJ06A	Jacket Water Hx A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-EKJ06B	Jacket Water Hx B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-FKJ02A	Intake Air Filters	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ02B	Intake Air Filters	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ02C	Intake Air Filters	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ02D	Intake Air Filters	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ07A	Fuel Oil Filter A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-FKJ07B	Fuel Oil Filter B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-FKJ08A	Main Lube Oil Strainer A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-FKJ08B	Main Lube Oil Strainer B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-FKJ09A	Diesel Lube Oil Filter	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ09B	Diesel Lube Oil Filter	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ10A	Diesel Rocker Lube Oil Filter	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ10B	Diesel Rocker Lube Oil Filter	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ11A	Diesel Oil Separator	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ11B	Diesel Oil Separator	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ12A	Diesel Lube Oil Suction Strainer	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-FKJ12B	Diesel Lube Oil Suction Strainer	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-HV-0001	ESW To D.G. Aftercoolers A and B	5203	M 231C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
KJ-HV-0002	ESW from D.G. Aftercoolers A and B	5203	M 231C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
KJ-HV-0101	ESW To D.G. Aftercoolers A and B	5201	M 231C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
KJ-HV-0102	ESW from D.G. Aftercoolers A and B	5201	M 231C	D	D	D	T1	NA	NA	NA	NA	NA	* 3
KJ-KKJ01A	Standby Diesel Engine A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-KKJ01B	Standby Diesel Engine B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-LCV-0019	Lube Oil Aux Tnk from L.O. Suction Strainer A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-LCV-0027	Rocker Reservoir from D.G. A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-LCV-0119	Lube Oil Aux Tnk from L.O. Suction Strainer A	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-LCV-0127	Rocker Reservoir from D.G. A	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-LS-119	L.O. Level Cntrl Tank Level	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LS-19	L.O. Level Cntrl Tnk Level	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LSH-127	L.O. Rocker Reservoir Level	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LSH-136	L.O. Level Cntrl Tnk Level	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LSH-27	L.O. Rocker Res Level	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LSH-36	L.O. Level Cntrl Tnk Level	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LSL-132	L.O. Level Cntrl Tnk Level	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-LSL-167	Jacket Wtr Exp Tnk Level	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LSL-32	L.O. Level Cntrl Tnk Level	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LSL-67	Jacket Wtr Exp Tank	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LT-131	L.O. Level Cntrl Tnk Level	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LT-138	L.O. Aux Tank Level	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LT-31	L.O. Level Cntrl Tnk Level	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-LT-38	L.O. Aux Tank Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PCV-0072A	Starting Air System D.G. A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PCV-0072B	Starting Air System D.G. A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PCV-0172A	Starting Air System D.G. B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PCV-0172B	Starting Air System D.G. B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PDGH-11	Fuel Oil Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDI-10	Fuel Oil Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDI-110	Fuel Oil Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDI-122	L.O. Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDI-128	L.O. Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDI-137	L.O. Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDI-18	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDI-22	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDI-28	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDI-37	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDSH-10	Fuel Oil Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDSH-110	Fuel Oil Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDSH-111	Fuel Oil Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDSH-122	L.O. Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-PDSH-128	L.O. Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDSH-137	L.O. Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDSH-22	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDSH-28	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PDSH-37	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PI-103A	Starting Air Tnk Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PI-103B	Starting Air Tnk Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PI-107	Starting Air Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PI-195	L.O. Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PI-3A	Starting Air Tnk Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PI-3B	Starting Air Tnk Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PI-7	Starting Air Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PI-95	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PKJ01A	Mot Dr. Jacket Water Pump	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 3
KJ-PKJ01B	Mot Dr. Jacket Water Pump	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 3
KJ-PKJ02A	Mot Dr. Rocker Prelube Pump	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 3
KJ-PKJ02B	Mot Dr. Rocker Prelube Pump	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 3
KJ-PKJ03A	Mot Dr. Auxiliary Oil Pump	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 3
KJ-PKJ03B	Mot Dr. Auxiliary Oil Pump	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 3
KJ-PKJ04A	Engine Driven Fuel Oil Pump A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PKJ04B	Engine Driven Fuel Oil Pump B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PKJ05A	Engine Driven Intercooler Pump A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PKJ05B	Engine Driven Intercooler Pump B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PKJ06A	Engine Driven Jacket Water Pump A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PKJ06B	Engine Driven Jacket Water Pump B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-PKJ07A	Engine Driven Lube Oil Pump A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PKJ07B	Engine Driven Lube Oil Pump B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PKJ08A	Engine Driven Rocker Lube Pump	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PKJ08B	Engine Driven Rocker Lube Pump	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PKJ09A	Ejector	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PKJ09B	Ejector	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-PS-0062	Jacket Water Backup to Elect Speed Switch	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PS-0162	Jacket Water Backup to Elect Speed Switch	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSH-0023A	High Crankcase Pressure	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSH-0023B	High Crankcase Pressure	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSH-0023C	High Crankcase Pressure	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSH-0023D	High Crankcase Pressure	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSH-0123A	High Crankcase Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSH-0123B	High Crankcase Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSH-0123C	High Crankcase Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSH-0123D	High Crankcase Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSHL-0002A	Air Compr. A Start/Stop Press. Switch	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSHL-0002B	Air Compr. B Start/Stop Press. Switch	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSHL-0102A	Air Compr. A Start/Stop Press. Switch	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSHL-0102B	Air Compr. B Start/Stop Press. Switch	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-0026A	Low Lube Oil Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-0026B	Low Lube Oil Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-0026C	Low Lube Oil Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-0026D	Low Lube Oil Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-0126A	Low Lube Oil Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-PSL-0126B	Low Lube Oil Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-0126C	Low Lube Oil Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-0126D	Low Lube Oil Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-106A	Starting Air Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-106B	Starting Air Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-112	Fuel Oil Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-12	Fuel Oil Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-129	L.O. Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-157	Eng Dr Intercooler Pmp Disch Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-164	Eng Dr Jack Wtr Pmp Disch Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-29	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-57	Eng Dr Intercooler Pmp Disch	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-6A	Starting Air Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-6B	Starting Air Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PSL-64	Eng Dr Jack Wtr Pmp Disch	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-113	Fuel Oil Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-114	Fuel Oil Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-126	L.O. Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-129	L.O. Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-13	Fuel Oil Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-14	Fuel Oil Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-157	Eng Dr Intercooler Pmp Disch Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-164	Eng Dr Jack Wtr Pmp Disch Press	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-24	Crankcase Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-26	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-PT-29	L.O. Press	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-57	Eng Dr Intercooler Pmp Disch	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PT-64	Eng Pr Jack Wtr Pmp Disch	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PV-0001A	Air Start Sol Vlv 1	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PV-0001B	Air Start Sol Vlv 2	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PV-0008	Shutdown Air Sol Vlv	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PV-0101A	Air Start Sol Vlv 1	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PV-0101B	Air Start Sol Vlv 2	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-PV-0108	Shutdown Air Sol Vlv	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-SKJ01A	Intake Silencer	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-SKJ01B	Intake Silencer	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-SKJ01C	Intake Silencer	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-SKJ01D	Intake Silencer	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-SKJ02A	Exhaust Silencer	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-SKJ02B	Exhaust Silencer	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TCV-0034	Lube Oil Cooler Temp Ctrl Vlv	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TCV-0056	Intercooler Heat Exchanger Temp Ctrl Vlv	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TCV-0060	Jacket Water Heat Exchanger Temp Ctrl Vlv	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TCV-0061	Cooling Water System D.G. A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TCV-0134	Lube Oil Cooler Temp Ctrl Vlv	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TCV-0156	Intercooler Heat Exchanger Temp Ctrl Vlv	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TCV-0160	Jacket Water Heat Exchanger Temp Ctrl Vlv	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TCV-0161	Cooling Water System D.G. B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TKJ01A	Jacket Wtr Expansion Tk A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TKJ01B	Jacket Wtr Expansion Tk B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-TKJ02A	Starting Air Tank	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TKJ02B	Starting Air Tank	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TKJ02C	Starting Air Tank	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TKJ02D	Starting Air Tank	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TKJ04A	Lube Oil Aux Tank	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TKJ04B	Lube Oil Aux Tank	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TKJ05A	Rocker Reservoir Tank A	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TKJ05B	Rocker Reservoir Tank B	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-TSH-0059A	High Jacket Water Temp	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TSH-0059B	High Jacket Water Temp	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TSH-0059C	High Jacket Water Temp	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TSH-0059D	High Jacket Water Temp	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TSH-0159A	High Jacket Water Temp	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TSH-0159B	High Jacket Water Temp	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TSH-0159C	High Jacket Water Temp	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-TSH-0159D	High Jacket Water Temp	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 2
KJ-V-0005	D.G. A Starting Air System	5203	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0006	D.G. A Starting Air System	5203	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0008	Aftercooler to L.O. Cooler A Discharge	5203	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0010	D.G. A Starting Air System	5203	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0011	D.G. A Starting Air System	5203	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0105	D.G. B Starting Air System	5201	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0106	D.G. B Starting Air System	5201	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0108	Aftercooler to L.O. Cooler B Discharge	5201	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0110	D.G. B Starting Air System	5201	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0111	D.G. B Starting Air System	5201	M 231A	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0711A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0711B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0712A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0712B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0713A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0713B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0714A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0714B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0715A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0715B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0716A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0716B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0717A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0717B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0718A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0718B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0719A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	NA	NA	NA	NA	NA	NA	* 1
KJ-V-0719B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0722A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0722B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0723A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0723B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0724A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0724B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0725A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0725B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0726A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0726B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0727A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0727B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0728A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0728B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0729A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0729B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0730A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0730B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0731A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0731B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0732A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0732B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0733A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0733B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0734A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0734B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0735A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0735B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0736A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0736B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0737A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	PSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0737B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0738A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0738B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0739A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0739B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0740A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0740B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0741A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0741B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0742A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0742B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0743A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0743B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0744A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0744B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0745A	D.G. A Starting Air/Intake Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0745B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0750A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0750B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0751A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0751B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0752A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0752B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0753A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0753B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0754A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0754B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0755A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0755B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0756A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0756B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0757A	D.G. A Starter Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0757B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0758A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0758B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0759A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0759B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0760A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0760B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0761A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0761B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0766A	D.G. A Starting Air/Intake/Exhaust	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0766B	D.G. B Starting Air/Intake/Exhaust	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0767A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0767B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0768A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0768B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0770A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0770B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0771A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HEL8 CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0771B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0772A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0772B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0773A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0773B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0774A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0774B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0775A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0775B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0776A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0776B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0777A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0777B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0778A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0778B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0779A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0779B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0780A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0780B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0781A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0781B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0782A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0782B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0783A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0783B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SHUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0784A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0784B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0785A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0785B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0786A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0786B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0787A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0787B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0788A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0788B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0789A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0789B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0790A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0790B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0791A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0791B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0792A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0792B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0793A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0793B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0794A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0794B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0795A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0795B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0796A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0796B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0797A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0797B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0798A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0798B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0799A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0799B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0800A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0800B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0801A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0801B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0802A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0802B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0803A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0803B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0804A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0804B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0805A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0805B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0806A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0806B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0807A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0807B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0808A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0808B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1994

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0809A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0809B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0810A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0810B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0811A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0811B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0812A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0812B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0813A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0813B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0814A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0814B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0815A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0815B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0816A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0816B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0817A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0817B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0818A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0818B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0819A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0819B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0820A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0820B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0821A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0821B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0822A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0822B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0823A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0823B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0824A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0824B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0825A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0825B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0826A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0826B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0827A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0827B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0828A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0828B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0829A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0829B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0830A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0830B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0831A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0831B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0832A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0832B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0833A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0833B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0834A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0834B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0835A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0835B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0836A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0836B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0837A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0837B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0838A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0838B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0839A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0839B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0840A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0840B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0841A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0841B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0842A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0842B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0843A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0843B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0844A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0844B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0845A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0845B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0846A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
KJ-V-0846B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0847A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0847B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0848A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0848B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0849A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0849B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0850A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0850B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0851A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0851B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0852A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0852B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0853A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0853B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0854A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0854B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0855B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0856A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0856B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0857A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0857B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0858A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0858B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0859A	D.G. A Lube Oil System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

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								T	P	R	H	SP	
KJ-V-0859B	D.G. B Lube Oil System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0876A	D.G. A Cooling Water System	5203	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
KJ-V-0876B	D.G. B Cooling Water System	5201	M 018	D	D	D	T1	NA	NA	NA	NA	NA	* 1
LF-FV-0095	Containment Isolation Valve	2000	M 225	A	A	D	T1	F3	F6	T6	T5	T3	* 3
LF-HV-0105	Isolation Valve	1101	M 225	A	D	C	T1	F8	F26	T7	T5	NA	* 3
LF-HV-0106	Isolation Valve	1101	M 225	A	D	C	T1	F8	F26	T7	T5	NA	* 3
PJ-PT-24	Deleted												* 4
SJ-BS1A	Deleted												* 4
SJ-HV-0014	Accumulator 1 Sample Line Isolation	2000	J 603A	C	C	D	T1	F3	F6	T6	T5	T3	* 2
SJ-HV-0015	Accumulator 2 Sample Line Isolation	2000	J 603A	C	C	D	T1	F3	F6	T6	T5	T3	* 2
SJ-HV-0016	Accumulator 3 Sample Line Isolation	2000	J 603A	C	C	D	T1	F3	F6	T6	T5	T3	* 2
SJ-HV-0017	Accumulator 4 Sample Line Isolation	2000	J 603A	C	C	D	T1	F3	F6	T6	T5	T3	* 2
SJ-HV-0133	Nuc Samp Station Isol	1323	J 603A	C	D	D	T1	F21	F37	T7	T5	NA	* 1
SJ-V-0111	Ctmt Isolation Valve (Ck)	2000	M 231C	B	B	D	T1	F3	F6	T6	T5	T3	* 1
ZSN-0001	Snubber Model No. 2410-PSA 1/4	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0002	Snubber Model No. 2540-PSA 1/4	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0003	Snubber Model No. 2541-PSA 1/4	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0004	Snubber Model No. 2410-PSA 1/2	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0005	Snubber Model No. 2540-PSA 1/2	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0006	Snubber Model No. 2541-PSA 1/2	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0007	Snubber Model No. 2440-PSA 1	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0008	Snubber Model No. 2540-PSA 1	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0009	Snubber Model No. 2541-PSA 1	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0010	Snubber Model No. 2410-PSA 3	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0011	Snubber Model No. 2540-PSA 3	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HELB CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
ZSN-0012	Snubber Model No. 2541-PSA 3	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0013	Snubber Model No. 2410-PSA 10	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0014	Snubber Model No. 2440-PSA 10	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0015	Snubber Model No. 2541-PSA 10	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0016	Snubber Model No. 2540-PSA 35	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0017	Snubber Model No. 2541-PSA 35	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0018	Snubber Model No. 2540-PSA 100	(2)	M 218A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZSN-0019	Steam Generator Hydraulic Snubbers	2000	M 717	A	A	D	T1	F3	F6	T6	T5	T3	* 3
ZTW-1	Thermal Wells	(2)	J 555	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZTW-2	Thermal Wells	(2)	J 558	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZTW-3	Thermal Wells	(2)	M 771	B	B	B							* 2
ZTW-4	Thermal Wells	(2)	J 558(B)	B	B	B							* 2
ZVL-01	Gate Vlvs - Size 4.0 (Man)	(2)	M 223C	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-05	Diaphragm Vlvs - Size 2.0 (Man)	(2)	M 243	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-06	Diaphragm Vlvs - Size 0.8 (Man)	(2)	M 243	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-07	Gate Vlvs - Size 1.0 (Man)	(2)	M 231C	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-08	Gate Vlvs - Size 0.8 (Man)	(2)	M 231C	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-09	Check Vlvs - Size 2.0	(2)	M 231C	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-10	Check Vlvs - Size 1.0	(2)	M 231C	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-11	Globe Vlvs (Vert. or Y) - Size 1.0 (Man)	(2)	M 231A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-12	Globe Vlvs (Vert. or Y) - Size 0.8 (Man)	(2)	M 231A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-13	Globe Vlvs (Vert. or Y) - Size 0.5 (Man)	(2)	M 231A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-14	Gate Vlvs - Size 2.0 (Man)	(2)	M 231A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-15	Gate Vlvs - Size 1.0 (Man)	(2)	M 231A	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-16	Gate Vlvs - Size 0.8 (Man)	(2)	M 231A	B	B	B	T1	F3	F6	T6	T5	T3	* 1

SNUPPS EQUIPMENT  
QUALIFICATION LIST

03/07/1984

COMPONENT NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	SPEC. NUMBER	LOCA CAT.	MSLB CAT.	HEL B CAT.	NORM ENV	ACCIDENT ENVIRONMENT					R
								T	P	R	H	SP	
ZVL-17	Gate Vlvs - Size 0.5 (Man)	(2)	M 231A	B	B	B	T1	F3	F6	T6	T5	T3	* 2
ZVL-21	Packless Globe Vlvs - Size 2.0 (Man)	(2)	M 240	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-22	Packless Globe Vlvs - Size 1.0 (Man)	(2)	M 240	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-23	Packless Globe Vlvs - Size 0.8 (Man)	(2)	M 240	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-24	Globe Vlvs (Vert. or Y) - Size 2.0 (Man)	(2)	M 231B	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-25	Globe Vlvs (Vert. or Y) - Size 1.0 (Man)	(2)	M 231B	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-26	Globe Vlvs (Vert. or Y) - Size 0.8 (Man)	(2)	M 231B	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-27	Globe Vlvs (Angle) - Size 1.5 (Man)	(2)	M 231B	B	B	B	T1	F3	F6	T6	T5	T3	* 1
ZVL-28	Gate Vlvs - Size 3.0 (Man) (W-EMD)	(2)	M 724	B	B	B	T1	F3	F6	T6	T5	T3	* 4
ZX-01	Reactor Bldg Equipment Hatch	2000	C 153	B	B	D	T1	F3	F6	T6	T5	T3	* 5
ZX-02	Reactor Bldg Personnel Access Hatch	2000	C 153	B	B	D	T1	F3	F6	T6	T5	T3	* 5
ZX-03	Personnel Access Hatch	2000/1507	C 153	B	B	D	T1	F3	F6	T6	T5	T3	* 5

SNUPPS  
Interim Justification Position for the  
Environmental Qualification of the  
Seal Water Injection Filter  
(M723)

## SEAL WATER INJECTION FILTER

The SNUPPS Seal Water Injection Filters (FBG04A and B) are located in the Auxiliary building (Room 1302), approximately at grade. They are classified as NUREG-0588 category B equipment for LOCA only. Preliminary calculations of the applicable radiation environment yield doses above the boundary seal qualification threshold ( $2 \times 10^6$  R) but they entail physically unrealistic assumptions (the net effect of the assumptions is to concentrate all of the sump activity in the on-line filter). Operation up to and including 5% power is justified pending qualification of the filter pressure boundary based on the following justifications:

1. Evaluations, in progress, are confirming that the probability is low that a large fraction of the release activity from the sump will be concentrated in the filter (physical limitations are derived from considerations such as settling of particulates, sump screen effectiveness, timing of deposition of material on the filter cartridge, limitations offered by filter volume or by cartridge plugging, and system operating configuration).
2. Potential sump activity is significantly reduced for a low burnup core, never operated above 5% power.
3. An accident leading to significant core damage during low power (at or below 5%) operation is too improbable to require further consideration based on:
  - ° the short time that the plant will operate under a 5% license restriction (as compared to the 40 year plant design life) makes the initiating event during this period relatively unlikely;
  - ° the design margins for LOCA mitigation systems (e.g. make up flow rates) are so large at low power that core damage is highly unlikely;
  - ° the time available for effective mitigating accident management response at low power should suffice to preclude accident progression to core damage.

Enclosure 4

SNUPPS  
Interim Justification Position for the  
Environmental Qualification of the  
RVLIS High Volume Sensor  
(ESE-48)

### High Volume Sensor

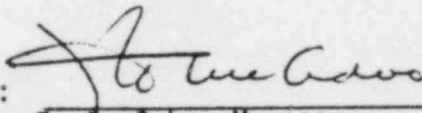
The SNUPPS High Volume Sensors are located inside the containment and are NUREG-0588 Category B equipment for LOCA and MSLB. The attached EQDP ESE-48 demonstrates that the equipment has successfully passed the Westinghouse generic qualification program and is considered qualified by Westinghouse. The qualification parameters are appropriate for the SNUPPS DBE environments. The ESE-48 program is a subset of the Reactor Vessel Level Indicating System (RVLIS) qualification program, ESE-50. A review of the ESE-48 program by the Westinghouse User's Group and SNUPPS is currently progress. Final qualification of the High Volume Sensor is expected prior to March 31, 1985. The High Volume Sensor will be considered NUREG-7588 Category A equipment at the time the RVLIS is placed into operation.

EQUIPMENT QUALIFICATION DATA PACKAGE

This document contains information, relative to the qualification of the equipment identified below in accordance with the methodology of WCAP-8587. The Specification section (Part 1) defines the assumed limits for the equipment qualification and constitute interface requirements to the user.

High Volume Sensor: Qualification Group A

APPROVED:

  
for E. P. Rahe, Manager  
Nuclear Safety Department

WESTINGHOUSE ELECTRIC CORPORATION  
NUCLEAR ENERGY SYSTEMS  
PITTSBURGH, PENNSYLVANIA 15230

SECTION 1 - SPECIFICATIONS

1.0 PERFORMANCE SPECIFICATIONS

1.1 Electrical Requirements

1.1.1 Voltage: N/A

1.1.2 Frequency: N/A

1.1.3 Load: N/A

1.1.4 Electromagnetic Interference: None

1.1.5 Other: None

1.2 Installation Requirements: Wall mounted per Westinghouse Drawing 9557D89 Rev. 4

1.3 Auxiliary Devices: None

1.4 Preventative Maintenance Schedule: None; inspection and cleaning of sensor in accordance with instruction manual when sensor housing is removed.

1.5 Design Life: 40 years

1.6 Operating Cycles (Expected number of cycles during design life, including test): Continuous duty.

## 1.7 Performance Requirements for Function: Reactor Vessel Level Instrumentation Sensor

Parameter	Normal Conditions	Abnormal Conditions	Containment Test Conditions	DBE Conditions <sup>(a)</sup>			Post DBE Conditions <sup>(a)</sup>		
				FLB/SLB	LOCA	Seismic	FLB/SLB	LOCA	Seismic
1.7.1 Time requirement	Continuous	Included under normal	Test Duration	<5 Min.	Event Duration	Event Duration	4 months	4 months	Continuous
1.7.2 Performance (c) requirement (d)	(e)		No damage	(e)	(e)	(e)	(e)	(e)	(e)

1.8 Environmental Conditions for Same Function<sup>(b)</sup>

1.8.1 Temperature (°F)	50 - 122	Included under normal	Ambient	Figure 2	Figure 3	Ambient	Figure 2	Figure 3	Ambient
1.8.2 Pressure (psig)	-0.1/+0.3		70	Figure 2	Figure 3	0	Figure 2	Figure 3	0
1.8.3 Humidity (% RH)	0 - 95		Ambient	100	100	Ambient	100	100	Ambient
1.8.4 Radiation (R)	< 10 <sup>4</sup>		None	Included Under Post DBE	Included Under Post DBE	None	3.9x10 <sup>4</sup> <sub>y</sub> 6.4x10 <sup>5</sup> <sub>B</sub>	4.1x10 <sup>7</sup> <sub>y</sub> 9x10 <sup>8</sup> <sub>B</sub>	None
1.8.5 Chemicals	None		None	Figure 2	Figure 3	None	Figure 2	Figure 3	None
1.8.6 Vibration	None		None	None	None	None	None	None	None
1.8.7 Acceleration (g)	None		None	None	None	Figure 1	None	None	None

Notes: (a) DBE is the Design Basis Event.

(b) Margin is not included in the parameters of this section.

(c) Reference accuracy specified. Values shown for accuracy under DBE and Post DBE conditions include +1 for normal conditions which is not part of the DBE induced effects.

(d) Time Response

(e) No contribution to transmitter reference accuracy

1

WESTINGHOUSE CLASS 3

1.9 Qualified Life: The currently demonstrated qualified life is 10 years based on an average ambient temperature of 50°C (122°F).  
(See Table 1)

1.10 Remarks: None

## WESTINGHOUSE CLASS 3

### EQUIPMENT QUALIFICATION DATA (PART 2 - QUALIFICATION BY TEST)

#### 2.0 TEST PLAN

The thermal aging and mechanical cycling tests were performed at Westinghouse Forest Hills Site in Pittsburgh, Pennsylvania. The gamma irradiation of the sensor was performed at Radiation Technology in Rockaway, New Jersey. Design basis event seismic simulation was performed at Westinghouse Advanced Energy Systems Division (AESD), in Large Pennsylvania. The High Energy Line Break simulation was performed at the Westinghouse Forest Hills Site in Pittsburgh, Pennsylvania.

2.1 Equipment Description: ITT Barton - High Volume Sensor Model 353

2.2 Number Tested: 3 Barton units

2.3 Mounting: Per Westinghouse Drawing 9557D89, Rev. 4

2.4 Connections: (a) Process connections, capillary tube

2.5 Aging Simulation Procedure:

Sequential simulation of thermal, radiation and vibrational mechanisms as part of the overall test sequence.

2.6 Simulated Service Conditions<sup>(1)</sup>: See Section 2.11 for notes.

		Normal/ Abnormal	Thermal Aging/ Mechanical Cycling	Radiation	Cont. Test	Seismic	HELB/ Post-HELB
2.6.1	Temp (°F)	40 - 120°F	104°F (10 years)	Ambient	Covered by HELB	Ambient	Figure 4
2.6.2	Pressure (psig)	Atmos.	Atmos.	Atmos.		Atmos.	Figure 4
2.6.3	Humidity (% RH)	0 - 95	Ambient	Ambient		Ambient	100
2.6.4	Radiation (R)	None	None	$5 \times 10^7 \gamma$ $9 \times 10^8 \beta$		None	Included under radiation
2.6.5	Chemicals	None	None	None		None	Figure 4
2.6.6	Vibration	None	None	None		5 OBE's	None
2.6.7	Acceleration (g)	None	None			TRS>RRS Figure 1	None
2.6.8	Process Cycling	None	$10^6$	None		None	None

# WESTINGHOUSE CLASS 3

## 2.7 Measured Variables

		<u>Required</u>	<u>Not Required</u>
2.7.1	Category I - Environment		
2.7.1.1	Temperature	A,B,C,D,E	
2.7.1.2	Pressure	E	A,B,C,D
2.7.1.3	Moisture	A,E	B,C,D
2.7.1.4	Gas Composition		A,B,C,D,E
2.7.1.5	Vibration	D	A,B,C,E
2.7.1.6	Time	A,B,C,D,E	
2.7.2	Category II - Input Electrical Characteristics		
2.7.2.1	Voltage		A,B,C,D,E
2.7.2.2	Current		A,B,C,D,E
2.7.2.3	Frequency		A,B,C,D,E
2.7.2.4	Power		A,B,C,D,E
2.7.2.5	Other		A,B,C,D,E
2.7.3	Category III - Fluid Characteristics		
2.7.3.1	Chemical Composition	E	A,B,C,D
2.7.3.2	Flow Rate	E	A,B,C,D
2.7.3.3	Spray	E	A,B,C,D
2.7.3.4	Temperature		A,B,C,D,E
2.7.4	Category IV - Radiological Features		
2.7.4.1	Energy Type	C	A,B,D,E
2.7.4.2	Energy Level	C	A,B,D,E
2.7.4.3	Dose Rate	C	A,B,D,E
2.7.4.4	Integrated Dose	C	A,B,D,E

# WESTINGHOUSE CLASS 3

	<u>Required</u>	<u>Not Required</u>
2.7.5 Category V - Electrical Characteristics		
2.7.5.1 Insulation Resistance		A,B,C,D,E
2.7.5.2 Output Voltage		A,B,C,D,E
2.7.5.3 Output Current		A,B,C,D,E
2.7.5.4 Output Power		A,B,C,D,E
2.7.5.5 Response Time		A,B,C,D,E
2.7.5.6 Frequency Characteristics		A,B,C,D,E
2.7.5.7 Simulated Load		A,B,C,D,E
2.7.6 Category VI - Mechanical Characteristics		
2.7.6.1 Thrust		A,B,C,D,E
2.7.6.2 Torque		A,B,C,D,E
2.7.6.3 Time		A,B,C,D,E
2.7.6.4 Load Profile		A,B,C,D,E
2.7.7 Category VII - Auxiliary Equipment		
None		

- 
- A: Normal/Abnormal (Type Test)
  - B: Thermal Aging/Mechanical Cycling
  - C: Radiation
  - D: Seismic
  - E: HELB/Post-HELB

## 2.8 Test Sequence Preferred

This section identifies the preferred test sequence as specified in IEEE-323-74.

- 2.8.1 Inspection of Test Item
- 2.8.2 Operation (Normal Condition)
- 2.8.3 Operation (Performance Specification Extremes, Section 1)
- 2.8.4 Simulated Aging
- 2.8.5 Vibration
- 2.8.6 Operation (Simulated High Energy Line Break Conditions)
- 2.8.7 Operation (Simulated Post HELB Conditions)
- 2.8.8 Inspection

## 2.9 Test Sequence Actual

This section identifies the actual test sequence to which the High Volume Pressure Sensors were subjected. Sections 2.8.2 and 2.8.3, operation at normal conditions and at performance specification extremes are covered by operation throughout the sequence, including under the more severe HELB conditions. High energy line break and post-HELB radiation doses are included with normal dose in testing and are not combined with temperature/ humidity conditions.

### 2.9.1 Test Sequence Actual

- 2.8.1 Inspection
- 2.8.2 Operation - Normal Conditions
- 2.8.3 Operation - Performance Specification Extremes
- 2.8.4 Mechanical Cycling/Electrical Cycling/Accelerated Thermal Aging
- 2.8.4 Radiation - Normal 10 Year Dose
- 2.8.5 Radiation HELB/Post HELB Dose
- 2.8.6 Seismic Simulation/Vibration
- 2.8.7 Operation (Simulated High Energy Line Break Conditions)
- 2.8.8 Operation (Simulated Post-HELB Conditions)
- 2.8.9 Operation (Including time response)
- 2.8.10 Inspection if Required

## 2.10 Type Test Data

### 2.10.1 Objective

The objective of this test program is to demonstrate, employing the recommended practices of Reg. Guide 1.89 (IEEE 323-1974) and Reg. Guide 1.100 (IEEE 344-1975), the capability of the high volume sensors to perform their safety related functions described in EQDP 1.7 while exposed to the environments defined in EDQP Section 1.8.

### 2.10.2 Equipment Tested

#### 2.10.2.1 Test Units

Three (3) ITT Barton Model 353 High Volume Sensors were subjected to the test environments of the sequence shown in Section 2.9.1.

### 2.10.3 Test Summary

#### 2.10.3.1 Test Summary

##### 2.10.3.1.1 Normal Environment Testing

Operation of the high volume sensors under normal/abnormal environment conditions is demonstrated by operation throughout the test sequence, including at more severe DBE conditions.

##### 2.10.3.1.2 Simulated Aging

The units were pre-conditioned to a simulated ten year aged condition prior to subjecting them to the design basis seismic event and high

energy line break simulations. The aged condition was achieved by separate phases of mechanical cycling, accelerated thermal aging and gamma radiation dose equivalent to the ten year normal gamma dose plus the design basis accident gamma dose plus the gamma equivalent beta dose. Throughout the pre-conditioning phases the sensors by way of a differential pressure indicating switch, were monitored and recorded.

#### 2.10.3.1.3 Seismic Tests

The seismic testing employed multi-axis multi-frequency inputs in accordance with Reg. Guide 1.100 (IEEE-344-1975). The generic required response spectra (RRS) shown in Figure 1 contains significant margin with respect to any single plant application referencing this program<sup>(1)</sup>. Each plant should compare to the applicable RRS (A, B, or C) to assure that a 10 percent margin exists based on their actual plant location.

#### 2.10.3.1.4 High Energy Line Break/Post HELB Simulation

The high volume sensors were subjected to the HELB simulation profile of Figure 4. Following the 340°F temperature peak, the temperature gradually declines to 225°F and is held at saturated steam conditions for 12 days, simulating a four month period of post-HELB operation.

2.10.4 Conclusion

The qualification status of Qualification Group A High Volume Sensors is demonstrated by the completion of the simulated aging and design basis event condition testing described herein and reported in Reference 1.

2.11 Section 2 Notes

- (1) The generic tests completed by Westinghouse employ parameters designed to envelope a number of plant applications. Margin is a plant specific parameter and will be established by the applicant.

2.12 References

1. Skeers, D. M., Black, J. P., Rygg, D. E., "Equipment Qualification Test Report High Volume Sensor - Qualification Group A (Seismic and Environmental Testing)" WCAP-8687-Supp. 2-E48A (Proprietary).

WESTINGHOUSE CLASS 3

SECTION 3 AND 4 QUALIFICATION BY EXPERIENCE AND/OR ANALYSIS

Westinghouse does not employ operating experience or analysis in support of the qualification program for the High Volume Sensor - Qualification Group A.

TABLE 1

ACTUAL QUALIFICATION TEST CONDITIONS

EQUIPMENT (1) SYSTEM/CATEGORY	LOCATION STRUCTURE/AREA	MANUFACTURER TYPE/MODEL	ABNORMAL/ACCIDENT ENVIRONMENTAL EXTREMES		OPERABILITY		ACCURACY( )		QUAL	QUAL	QUAL	QUAL	
			PARAMETER	SPECIFIED (2)	QUALIFIED	REQ	DEM	REQ	DEM	LIFE(3)	METHOD	REF	STATUS
RVLIS sensor/ Category a	Containment	Barton	Temperature		420°F	Post	Same		Same	10	Seq.	ESE-	Completed
	Bldg./outside	353	Pressure		57 psig	DBE				yrs.	Test	48	
	missile shield		Rel. humidity		100%	4 Mo.							
			Radiation		$5 \times 10^7$ R(y)								
					$9 \times 10^8$ R(f)								
			Chemistry		2500 ppm								
					H <sub>3</sub> BO <sub>3</sub>								
			NaOH										
					10.7 pH								

Notes: (1) For definition of the equipment category, refer to NUREG-0588 "Interim Staff Position on Environmental Qualification of Safety-Related Equipment Electrical Equipment," Appendix E Section 2.

(2) Plant specific environmental parameters are to be inserted by the applicant.

(3) Qualified life is based on a service condition of 104°F (40°C).

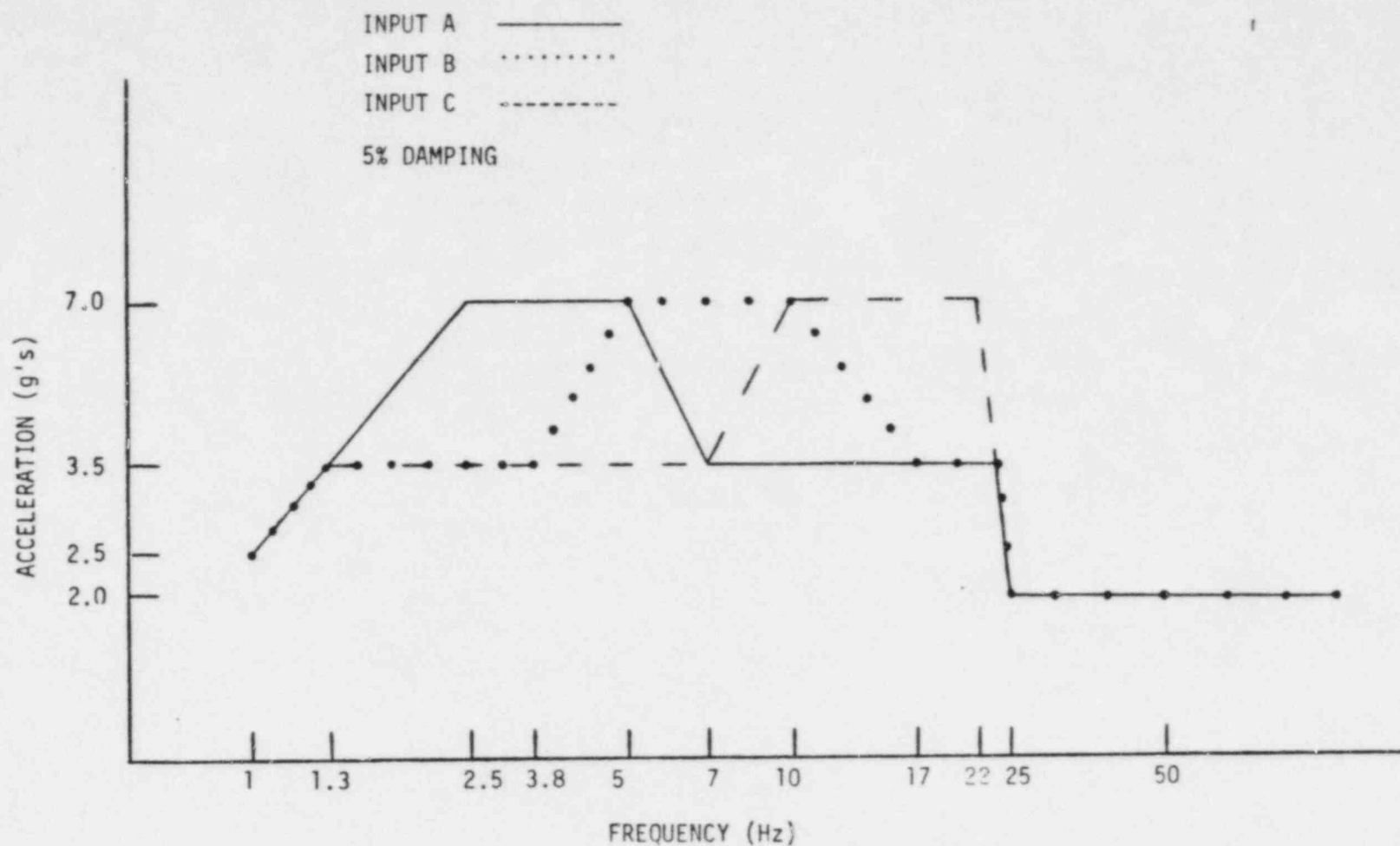
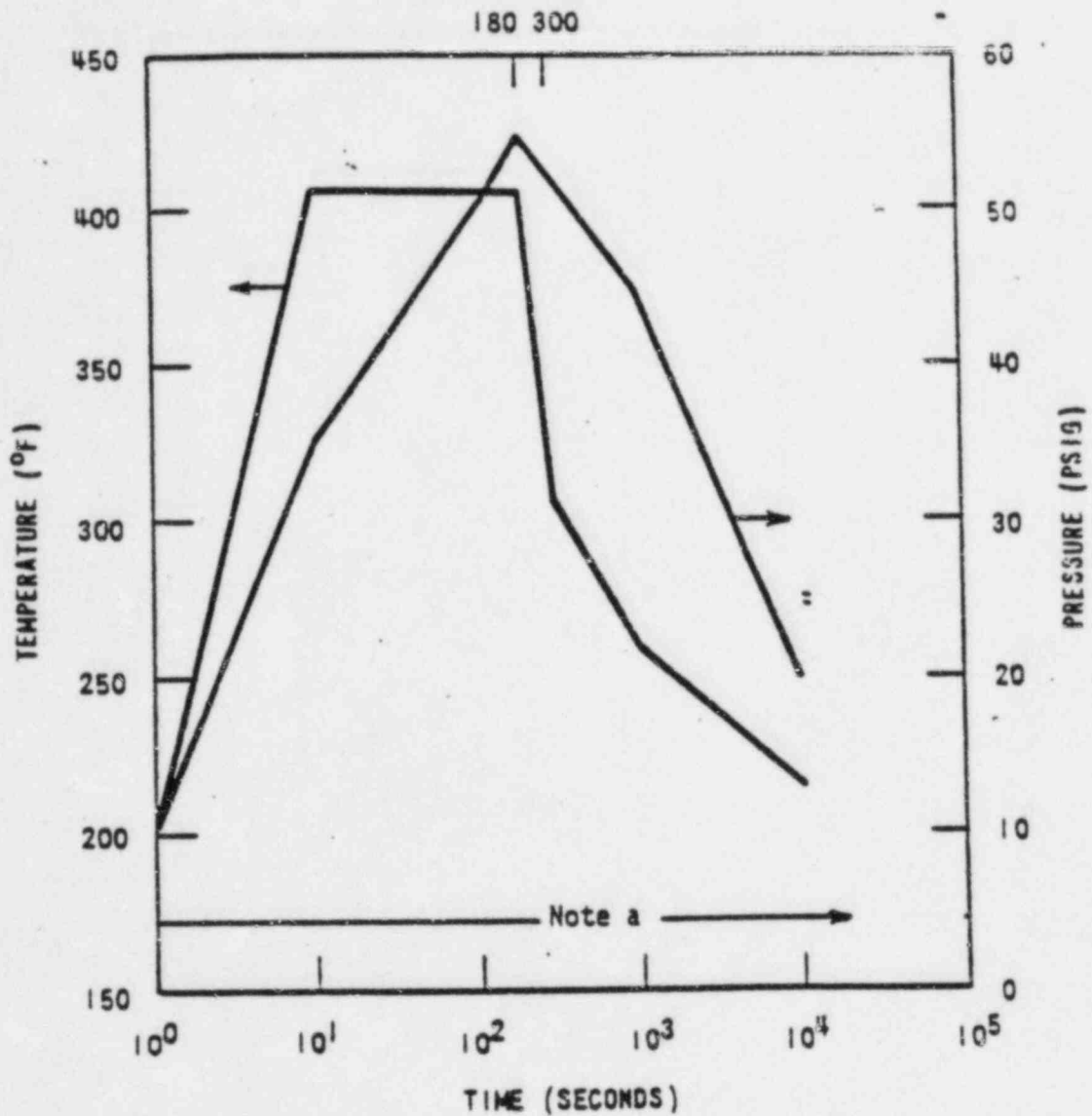


FIGURE 1

REQUIRED RESPONSE SPECTRA FOR SAFE SHUTDOWN EARTHQUAKE  
 (SSE) HIGH VOLUME SENSOR SEISMIC QUALIFICATION  
 ALONG EQUIPMENT PRINCIPLE AXES

(NOTE: OPERATING BASIS EARTHQUAKE (OBE) REQUIRED RESPONSE SPECTRUM = 0.5 SSE OF INPUT B)

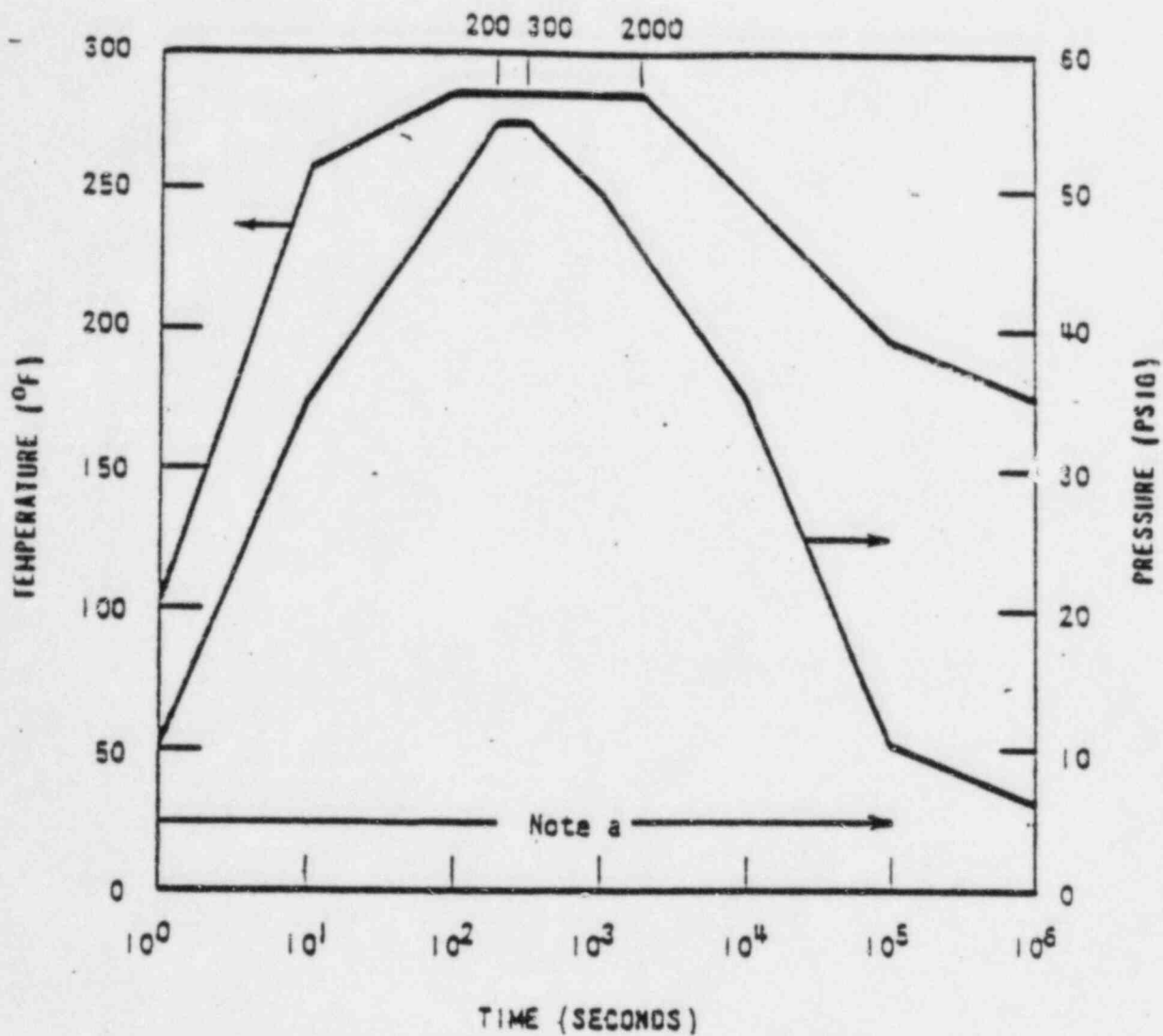
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Note a: Initial 24 hour containment  
spray solution of 2500 PPM  
Boron in water buffered with  
NaOH to yield a pH of 10.7

Figure 2. Containment Environmental Design Conditions  
Main Steam Line Break and Feedline Break

# WESTINGHOUSE CLASS 3



Note a: Initial 24 hour containment spray solution of 2500 PPM Boron in water buffered with NaOH to yield a pH of 10.7

Figure 3. Containment Environmental Design Conditions - LOCA

## SLB/FLB/LOCA PROFILE

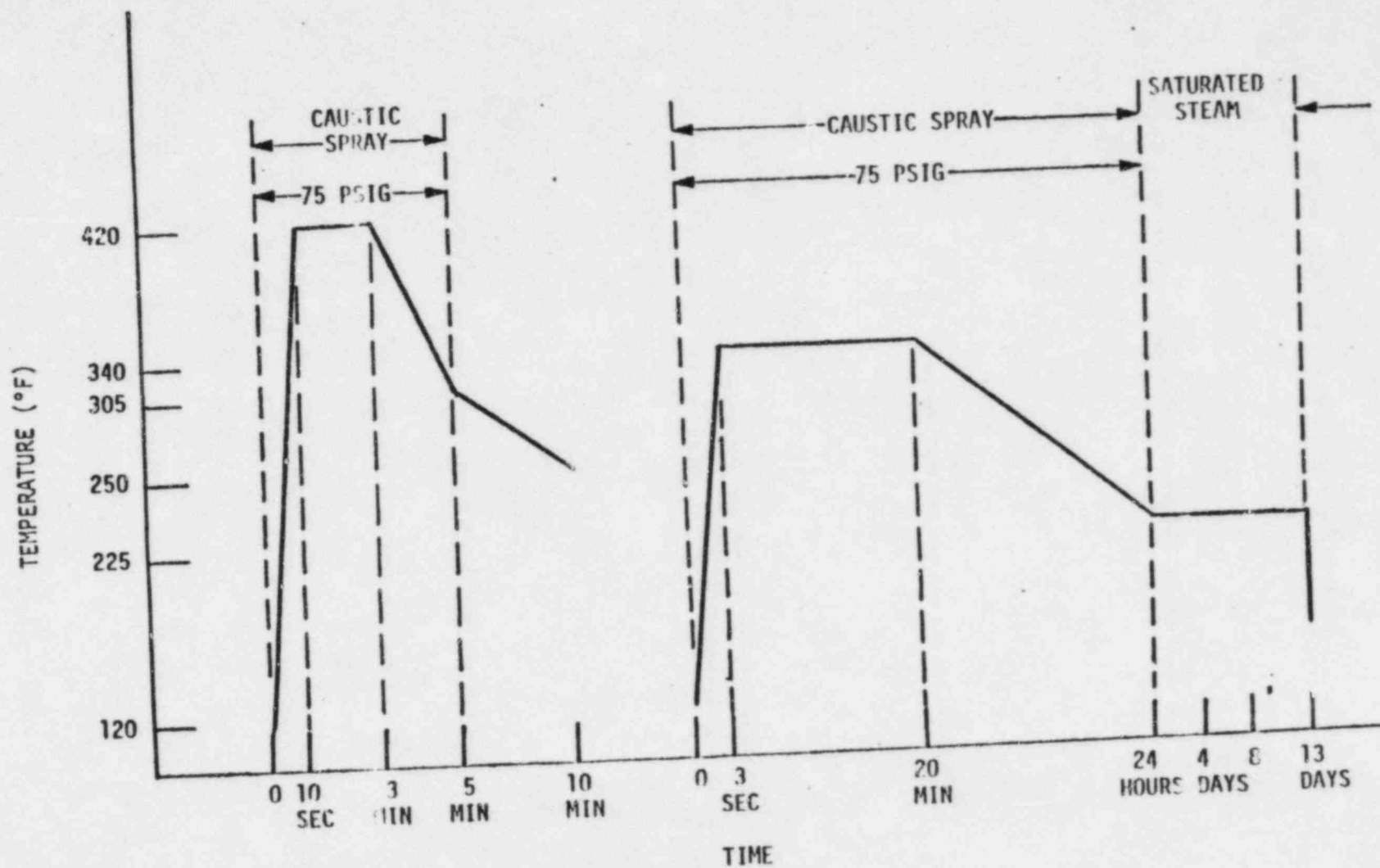


Figure 4