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ACCESSION NBR: 8306010441 DOC. DATE: 83/05/19 NOTARIZED: NO DOCKET #
 FACIL: 50-263 Monticello Nuclear Generating Plant, Northern States 05000263
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 Office of Nuclear Reactor Regulation, Director

SUBJECT: Submits response to 10CFR50.49, "Environ Qualification of Electrical Equipment Important to Safety for Nuclear Power Plants." Masterlist of safety-related electrical equipment.

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 TITLE: OR/Licensing Submittal: Equipment Qualification

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May 19, 1983

Director
Office of Nuclear Reactor Regulation
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Washington, D. C. 20555

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Response to 10CFR50.49, Environmental
Qualification of Electrical Equipment Important
To Safety For Nuclear Power Plants

The following is submitted in response to the reporting requirements of paragraph (g) of 10CFR50.49, Environmental Qualification of Electric Equipment Important to Safety for Nuclear Power Plants.

Attachment A identifies the equipment, its qualification status and schedules for resolving any qualification deficiencies for the safety-related equipment within the scope of this Rule. All currently identified qualification activities are scheduled to be completed by the end of the second refueling outage after March 31, 1982, i.e. the 1984 refueling outage. It should be noted that the qualification status indicated in Attachment A reflects our evaluation of the qualification documentation which may be at variance with the evaluation provided in the Franklin Research Center Technical Evaluation Report. Resolution of these items is ongoing and additional qualification activities may be required at the conclusion of this process.

With regard to nonsafety-related equipment whose failure under postulated environmental conditions could prevent satisfactory accomplishment of required safety functions, interactions of this type at the systems level were extensively investigated in response to IE Information Notice 79-22 and no equipment was identified that would have such an effect (letter from L. O. Mayer (NSP) to Director NRR (NRC) dated October 5, 1979). In addition, we are also reviewing safety-related systems to verify adequate isolation or qualification of non-essential components.

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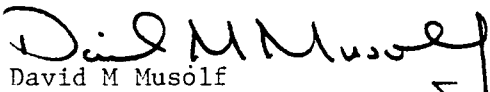
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NORTHERN STATES POWER COMPANY

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We have provided in Attachment A existing post-accident monitoring equipment that was identified in response to IE Bulletin 79-01B or installed in response to TMI Lessons Learned requirements. Additional equipment of this type may be identified as a result of ongoing regulatory activities (e.g. NUREG 0737, Supplement 1). This equipment will then be qualified in accordance with the implementation schedule for that activity.

Please contact us if you have any questions related to our response.


David M Musolf
Manager - Nuclear Support Services

DMM/kik

cc: Regional Administrator - III, NRC
NRR Project Manager, NRC
Resident Inspector, NRC
G. Charnoff

attachment

Director of NRR, USNRC
May 19, 1983
Attachment

Northern States Power Company
Monticello Nuclear Generating Plant

ATTACHMENT A

SAFETY RELATED ELECTRICAL EQUIPMENT

MASTERLIST

SYSTEM: Main Steam (MSS)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
MO 2373	Valve Motor Operator	Limitorque	SMB-000	Qualified
MO 2374	Valve Motor Operator	Limitorque	SMB-000	Qualified
SV 2-71 (C,E,F,G,H)	Solenoid Valve	Automatic Valve Company	C-5450	Qualified
SV 2-80 (A-D)	Solenoid Valve	Automatic Valve Company	C-4988-15	Qualified
SV 2-86 (A-D)	Solenoid Valve	Automatic Valve	C-4988-15	Qualified
TS 2-121 (A-D)	Temperature Switch	Fenwal	17002-40	Qualified
TS 2-122 (A-D)	Temperature Switch	Fenwal	17002-40	Qualified
TS 2-123 (A-D)	Temperature Switch	Fenwal	17002-40	Qualified
TS 2-124 (A-D)	Temperature Switch	Fenwal	17002-40	Qualified
dPIS 2-116 (A-D)	Differential Pressure Indicating Switch	Barton	278	Qualified
dPIS 2-117 (A-D)	Differential Pressure Indicating Switch	Barton	278	Qualified
dPIS 2-118 (A-D)	Differential Pressure Indicating Switch	Barton	278	Qualified
dPIS 2-119 (A-D)	Differential Pressure Indicating Switch	Barton	278	Qualified
- - - - -	Limit Switch	NAMCO	EA-740-50100	Qualified
PS-7356	Pressure Switch	Pressure Controls	A171P	Qualified
PS-7463	Pressure Switch	" "	A171P	Qualified
PS-7465	Pressure Switch	" "	A171P	Qualified
PS-7307	Pressure Switch	" "	A171P	Qualified
PS-7308	Pressure Switch	" "	A171P	Qualified
PS-7358	Pressure Switch	" "	A171P	Qualified
PS-7466	Pressure Switch	" "	A171P	Qualified
PS-7359	Pressure Switch	" "	A171P	Qualified
PS-7464 AAA736	Pressure Switch	" "	A171P	Qualified

SYSTEM: Nuclear Boiler-Vessel Instrumentation (NBVI)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
PS 2-3-49 (A, B)	Pressure Switch	Barksdale	B2T-A12SS	Qualified
PS 2-3-50 (A, B)	Pressure Switch	Barksdale	B2T-A12SS	Qualified
PS 2-3-51 (A-D)	Pressure Switch	Barksdale	B2T-A12SS	Qualified
PS 2-3-52 (A)	Pressure Switch	Barksdale	B2T-A12SS	Qualified
PS 2-3-52 (B)	Pressure Switch	Barton	288	Qualified
PS 2-3-53 (A, B)	Pressure Switch	Barksdale	B2T-A12SS	Qualified
LIS 2-3-57 (A, B)	Level Indicating Switch	Yarway	4418C	Qualified
LIS 2-3-58 (A, B)	Level Indicating Switch	Yarway	4418C	Qualified
LIS 2-3-72 (A-D)	Level Indicating Switch	Yarway	4418C	Qualified
LITS 2-3-73 (A, B)	Level Indicating Switch	Yarway	4418EC	Note 1
LITS 2-3-59 (A, B)	Level Indicating Transmitter-Switch	Yarway	4418CE	Note 1
LT 2-3-61	Level Transmitter	GE	553	Note 2
PT 6-53 (A, B)	Pressure Transmitter	GE	551	Note 2

SYSTEM: Reactor Recirculation

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
MO 2-53 (A, B)	Valve Motor Operator	Limitorque	SMB	Qualified
MO 2-54 (A, B)	Valve Motor Operator	Limitorque	SMB	Qualified
SV 2790	Solenoid Valve	ASCO	NP 8321A1E	Qualified
SV 2791	Solenoid Valve	ASCO	THT831723	Note 2
PS 2-128 (A, B)	Pressure Switch	Static-O-Ring	6N-AA3	Qualified
dPIS 2-129 (A-D)	Differential Pressure Indicating Switch	Barton	288	Qualified
dPIS 2-136 (A, B)	Differential Pressure Indicating Switch	Barton	288	Qualified
dPIS 2-137 (A, B)	Differential Pressure Indicating Switch	Barton	288	Qualified
dPIS 2-138 (A, B)	Differential Pressure Indicating Switch	Barton	288	Qualified
dPIS 2-139 (A, B)	Differential Pressure Indicating Switch	Barton	288	Qualified

SYSTEM: Control Rod Drive. (CRD)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
SV 3-140 (A, B)	Solenoid Valve	ASCO	WPLBX 831636	Qualified
SV 3-31 (A-D)	Solenoid Valve	ASCO	NPK831664V	Qualified
SV 3-13-117	Solenoid Valve	ASCO	HVA-90-405	Qualified
SV 3-13-118	Solenoid Valve	ASCO	HVA-90-405	Qualified

SYSTEM: Residual Heat Removal (RHR)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
MO-1989	Valve Motor Operator	Rotork	30A	Qualified
MO-2002	Valve Motor Operator	Rotork	150A	Qualified
MO-2003	Valve Motor Operator	Rotork	150A	Qualified
MO-2006	Valve Motor Operator	Rotork	35A	Note 3
MO-2007	Valve Motor Operator	Rotork	35A	Note 3
MO-2008	Valve Motor Operator	Rotork	70NA4	Note 3
MO-2009	Valve Motor Operator	Rotork	70NA4	Note 3
MO-2010	Valve Motor Operator	Rotork	14AMKII	Qualified
MO-2011	Valve Motor Operator	Rotork	14AMKII	Qualified
MO-2012	Valve Motor Operator	Limitorque	SMB-5	Qualified
MO-2013	Valve Motor Operator	Limitorque	SMB-5	Qualified
MO-2014	Valve Motor Operator	Limitorque	SMB-2	Qualified
MO-2015	Valve Motor Operator	Limitorque	SMB-2	Qualified
MO-2020	Valve Motor Operator	Rotork	30A	Qualified
MO-2021	Valve Motor Operator	Rotork	30A	Qualified
MO-2022	Valve Motor Operator	Rotork	30A	Qualified
MO-2023	Valve Motor Operator	Rotork	30A	Qualified
MO-2026	Valve Motor Operator	Limitorque	SMB-00	Qualified
MO-2027	Valve Motor Operator	Limitorque	SMB-00	Qualified
MO-2029	Valve Motor Operator	Limitorque	SMB-4	Qualified
MO-2030	Valve Motor Operator	Limitorque	SMB-4	Qualified
MO-2032	Valve Motor Operator	Rotork	12A	Qualified
MO-2407	Valve Motor Operator	Rotork	12A	Qualified
SV-1728	Solenoid Valve	ASCO	K-206-380-3RVU	Qualified
SV-1729	Solenoid Valve	ASCO	K-206-380-3RVU	Qualified

SYSTEM: Residual Heat Removal (RHR)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
SV-1994	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-1995	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-1996	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-1997	Solenoid Valve	ASCO	NPK8321A1V	Qualified
E/P 1728	Electro-Pneumatic Transducer	Fisher	546	Qualified
E/P 1729	Electro-Pneumatic Transducer	Fisher	546	Qualified
dPT 10-91 (A, B)	Differential Pressure Transmitter	Barton	296	Note 2
PS-7192	Pressure Switch	Square D	GHG551	Note 2
PS 10-105 (E-H)	Pressure Switch	Static-O-Ring	5N AA3X	Qualified
PS 10-119 (A-D)	Pressure Switch	Static-O-Ring	12N-AA4	Qualified
FS 10-121 (A-D)	Flow Switch	Peeco	HP-F	Note 2
P-202 (A-D)	Pump Motor	GE	5K6329XC4A	Qualified
PS 7193	Pressure Switch	Square D	GHG551	Note 2
MO-1986	Valve Motor Operator	Rotork	30A	Qualified
MO-1987	Valve Motor Operator	Rotork	30A	Qualified
MO-1988	Valve Motor Operator	Rotork	30A	Qualified
PS 10-100 (A-D)	Pressure Switch	Static-O-Ring	12N-AA4	Qualified
PS 10-101 (A-D)	Pressure Switch	Static-O-Ring	12N-AA4	Qualified
FT 10-109 (A, B)	Flow Transmitter	GE	553	Note 2
FT 10-111 (A, B)	Flow Transmitter	GE	553	Note 2
K-10 (A, B)	Aux. Compressor Motor	GE	5K145A1246	Note 2
K-10 (A, B)	Aux. Compressor Motor Starter	GE	CR106	Note 2
PS 10-105 (A-D)	Pressure Switch	Mercoid	DAW-23-156	Note 2

SYSTEM: Residual Heat Removal (RHR)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
N3347	Aux. Comp Disconnect	GE	THN 3361	Note 2
N4347	Aux. Comp Disconnect	GE	THN 3361	Note 2

SYSTEM: Core Spray (CSS)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
MO-1749	Valve Motor Operator	Rotork	30A	Qualified
MO-1750	Valve Motor Operator	Rotork	30A	Qualified
MO-1751	Valve Motor Operator	Limitorque	SMB-2	Note 2
MO-1752	Valve Motor Operator	Limitorque	SMB-2	Note 2
MO-1753	Valve Motor Operator	Limitorque	SMB-2	Note 2
MO-1754	Valve Motor Operator	Limitorque	SMB-2	Note 2
PS 14-44 (A-D)	Pressure Switch	Barksdale	B2T-A12SS	Qualified
P-208 (A, B)	Pump Motor	GE	5K6338XC29B	Qualified
FT 14-40 (A, B)	Flow Transmitter	GE	553	Note 2

SYSTEM: High Pressure Coolant Injection (HPCI)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
MO-2034	Valve Motor Operator	Limitorque	SMB-0	Qualified
MO-2035	Valve Motor Operator	Limitorque	SMB-0	Qualified
MO-2036	Valve Motor Operator	Limitorque	SMB-1	Qualified
MO-2061	Valve Motor Operator	Rotork	16AMKII	Qualified
MO-2062	Valve Motor Operator	Rotork	16AMKII	Qualified
MO-2063	Valve Motor Operator	Rotork	16AMKII	Qualified
MO-2067	Valve Motor Operator	Limitorque	SMB-4	Qualified
MO-2068	Valve Motor Operator	Limitorque	SMB-4	Note 2
MO-2071	Valve Motor Operator	Limitorque	SMB-4	Qualified
PS 23-68 (A-D)	Pressure Switch	Barksdale	B2T-A12SS	Qualified
PS 23-97 (A, B)	Pressure Switch	Mercoid	DA-7043-804	Qualified
PS 23-84	Pressure Switch	Mercoid	DAW-443-4132- R26E	Qualified
dPIS 23-76 (A, B)	Differential Pressure Indicating Switch	Barton	288A	Qualified
dPIS 23-77 (A, B)	Differential Pressure Indicating Switch	Barton	288A	Qualified
TS 23-101 (A-D)	Temperature Switch	Fenwal	17023-6	Qualified
TS 23-102 (A-D)	Temperature Switch	Fenwal	17023-6	Qualified
TS 23-103 (A-D)	Temperature Switch	Fenwal	17023-6	Qualified
TS 23-104 (A-D)	Temperature Switch	Fenwal	17023-6	Qualified
P-217	Motor	Baldor	310-406-404	Qualified
---	EGM	Woodward Governor	8270-811	Qualified
---	EGR	Woodward Governor	R 8250-133	Note 3
SV-2065	Solenoid Valve	ASCO	NPK8321A2V	Qualified

SYSTEM: High Pressure Coolant Injection (HPCI)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
FS 23-78	Flow Switch	Barton	289	Qualified
FT-23-82	Flow Transmitter	Rosemount	1153B	Qualified
LS 23-91 (A, B)	Level Switch	Magnetrol	249-C	Note 2
LS 23-74	Level Switch	Robertshaw	SL-412-A1	Qualified
LS 23-75	Level Switch	Robertshaw	SL-412-A1	Qualified
---	Limit Switch	NAMCO	EA170-34101	Qualified
--	Magnetic Pick-up	Woodward Governor	1680-622	Qualified
---	Ramp Generator	Woodward Governor	8271-083	Qualified
PS-7312	Pressure Switch	Square D	9012-ACW22	Note 2
SV-1	Solenoid Valve	Skinner	L2DB5150	Note 2

SYSTEM: Reactor Core Isolation Cooling (RCIC)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
MO-2075	Valve Motor Operator	Limitorque	SMB-000	Qualified
MO-2076	Valve Motor Operator	Limitorque	SMB-000	Qualified
TS 13-79 (A-D)	Temperature Switch	Fenwal	17023-6	Qualified
TS 13-80 (A-D)	Temperature Switch	Fenwal	17023-6	Qualified
TS 13-81 (A-D)	Temperature Switch	Fenwal	17023-6	Qualified
TS 13-82 (A-D)	Temperature Switch	Fenwal	17023-6	Qualified
dPIS 13-83	Differential Pressure Indicating Switch	Barton	288	Qualified
dPIS 13-84	Differential Pressure Indicating Switch	Barton	288	Qualified
PS 13-87 (A-D)	Pressure Switch	Meletron	372-6SS49A	Note 2
MO-2107	Valve Motor Operator	Limitorque	SMB-00	Qualified

SYSTEM: Primary Containment and Atmosphere Control

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
SV-2377	Solenoid Valve	ASCO	K-206-380-6VU	Qualified
SV-2378	Solenoid Valve	ASCO	K-206-380-6VU	Qualified
SV-2379	Solenoid Valve	ASCO	K-206-380-6VU	Qualified
SV-2380	Solenoid Valve	ASCO	K-206-380-6VU	Qualified
SV-2381	Solenoid Valve	ASCO	K-206-380-6VU	Qualified
SV-2383	Solenoid Valve	ASCO	K-206-380-6VU	Qualified
SV-2384	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-2385	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-2386	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-2387	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-2396	Solenoid Valve	ASCO	NPK8321A1V	Qualified
dPS 2573	Differential Pressure Switch	Barton	289A	Qualified
dPS 2572	Differential Pressure Switch	Barton	289A	Qualified
SV-7440	Solenoid Valve	ASCO	T-HT-8317B23	Note 2

SYSTEM: Standby Gas Treatment (SBGT)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
SV-2944	Solenoid Valve	ASCO	T-HT-831723	Note 2
SV-2945	Solenoid Valve	ASCO	T-HT-831723	Note 2
SV-2978	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-2979	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-2982 (A, B)	Solenoid Valve	ASCO	T-HT-831723	Note 2
PS-3462	Pressure Switch	Furnas	69GAV7	Qualified
FT-2942	Flow Transmitter	Leeds & Northrup	1912-2-10-0-000-0100-0100	Note 2
V-EF-17 (A, B)	Fan Motor	GE	5K254AK205	Qualified
FT-2943	Flow Transmitter	Leeds & Northrup	1912-2-10-0-000-0100-0100	Note 2
FS-2950	Flow Switch	McDonnell & Miller	AF1S	Qualified
FS-2951	Flow Switch	McDonnell & Miller	AF1S	Qualified
TS-3368	Temperature Switch	Chromalox	AR-2529	Note 2
TS-3369	Temperature Switch	Chromalox	AR-2529	Note 2
K-11	Aux. Compressor Motor	Reliance	Class RH	Qualified
E/P 2942	Electro-Pneumatic Transducer	Leeds & Northrup	10970-1	Note 2
E/P 2943	Electro-Pneumatic Transducer	Leeds & Northrup	10970-1	Note 2
LC-1 (A-B)	Contactor	Cutler-Hammer	6-10-2	Note 2
LC-2 (A-B)	Fused Disconnect	Cutler-Hammer	4105H311H	Note 2
K-11	Aux. Compressor Motor Starter	Furnas	14BA32BC	Qualified
T1	Transformer	Heavy Duty Electric	SZ0	Qualified
	Terminal Board	Allen-Bradley	1492-CD3	Qualified

SYSTEM: Standby Gas Treatment (SBGT)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
---	Wire	GE	SI-57275	Qualified
---	Wire	GE	SI-58175	Note 2
---	Wire	GE	SI-58170	Note 2
---	Wire	Carol Wire and Cable	1050	Qualified
---	Limit Switch	Micro Switch	OP-AR	Qualified
---	Limit Switch	NAMCO	EA180-14302	Qualified

SYSTEM: Reactor Building Cooling Water

PLANT I.D.

NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
MO-1426	Valve Motor Operator	Rotork	14AMKII	Qualified

SYSTEM: Reactor Water Cleanup (RWCU)

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
MO-2397	Valve Motor Operator	Limitorque	SMB-00	Qualified
MO-2398	Valve Motor Operator	Limitorque	SMB-00	Qualified
MO-2399	Valve Motor Operator	Rotork	30A	Qualified

SYSTEM: Reactor Building Instrument Air

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
SV-1478	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-7956	Solenoid Valve	ASCO	NPK8321A1V	Qualified

SYSTEM: Automatic Depressurization (ADS)

PLANT I.D.

NUMBER

COMPONENT

MANUFACTURER

MODEL

STATUS

SV 2-71 (A, B, D)

Solenoid Valve

Automatic Valve Company

C-5450

Qualified

SYSTEM: Reactor Protection

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
PS 5-14 (A-D)	Pressure Switch	Barksdale	B2T-A12SS	Qualified
PS 5-12 (A-D)	Pressure Switch	Static-O-Ring	12N-K4	Qualified

SYSTEM: Radwaste

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
SV-2541 (A, B)	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-2561 (A, B)	Solenoid Valve	ASCO	NPK8321A1V	Qualified

SYSTEM: Primary Containment Nitrogen Control

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
SV-3267	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-3268	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-3269A	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-3307	Solenoid Valve	Valcor	V526529567	Qualified
SV-3308	Solenoid Valve	Valcor	V526529567	Qualified
SV-3311	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-3312	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-3313	Solenoid Valve	ASCO	NPK8321A1V	Qualified
SV-3314	Solenoid Valve	ASCO	NPK8321A1V	Qualified

SYSTEM: Containment

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
LT-7338 (A, B)	Level Transmitter	Rosemount	1153DA5	Qualified
PT-2994B	Pressure Transmitter	Rosemount	1153B	Qualified
PT-7348	Pressure Transmitter	Rosemount	1153B	Qualified
TE-4073A	RTD	Pyco	122-6032	Qualified
TE-4074A	RTD	Pyco	122-6032	Qualified
TE-4075A	RTD	Pyco	122-6032	Qualified
TE-4076A	RTD	Pyco	122-6032	Qualified
TE-4077A	RTD	Pyco	122-6032	Qualified
TE-4078A	RTD	Pyco	122-6032	Qualified
TE-4079A	RTD	Pyco	122-6032	Qualified
TE-4080A	RTD	Pyco	122-6032	Qualified
RE-7960 A-B	Radiation Monitor	General Atomic	RD-23	Qualified
PT-7251 A-B	Pressure Transmitter	Rosemount	1153A	Qualified
AT-4018 A-B	Hydrogen Analyzer	Comsip	K-IV	Qualified
AT-4018 A-B	Heat Tracing	Thermon	SSK	Qualified
SV-4001 A-B	Solenoid Valve	Valcor	V526529567	Qualified
SV-4002 A-B	Solenoid Valve	Valcor	V526529567	Qualified
SV-4003 A-B	Solenoid Valve	Valcor	V526529567	Qualified
SV-4004 A-B	Solenoid Valve	Valcor	V526529567	Qualified
SV-4005 A-B	Solenoid Valve	Valcor	V526529567	Qualified
SV-4020 A-B	Solenoid Valve	Valcor	V526529567	Qualified

SYSTEM: Components

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
----	Electrical Cable	GE	SI-58007	Note 4
----	Electrical Cable	GE	SI-58136	Note 4
----	Electrical Cable	GE	SI-58081	Note 5
----	Electrical Cable	GE	SI-58109	Qualified
----	Electrical Cable	Rockbestos	Firewall III	Qualified
----	Instrument Cable	Samuel Moore	#1802, 1852, 1862	Note 2
----	Electrical Cable	GE	SI-58042	Note 2
JX-105 (A, C, D)	Electrical Penetration	GE	NSO-2	Qualified
----	Field Splice	Raychem	WCSF-N	Qualified
----	Terminal Board	GE	CR151D3	Qualified
----	Limit Switch	NAMCO	EA18014302	Qualified
----	Limit Switch	NAMCO	D2400X ST	Note 2
----	Limit Switch	NAMCO	EA 17014100	Note 2
----	Limit Switch	Micro Switch	BZE6-2RQ2	Note 2
----	Banana Plug	E.F. Johnson	108-0302-001	Qualified
----	Instrument Cable	Samuel Moore	#1952, 1962	Qualified
----	Coaxial Cable	Rockbestos	RSS-6-104	Qualified
----	Power Cable	Rockbestos	Firewall EP	Qualified
----	Electrical Penetration	D.G. O'Brien	M06, M62	Qualified

SYSTEM: 250V DC

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
D312	Motor Control Center	GE	IC-7700	Note 6
D311	Motor Control Center	GE	IC-7700	Note 6

SYSTEM: 480 VAC Station Auxiliary

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
MCC 142	Motor Control Center	GE	DA-7700	Note 6
MCC 143 (A, B)	Motor Control Center	GE	DA-7700	Note 6

SYSTEM: Heating and Ventilating

PLANT I.D. NUMBER	COMPONENT	MANUFACTURER	MODEL	STATUS
V-AC-4	Fan Motor	Reliance	Class RH	Qualified
V-AC-5	Fan Motor	Reliance	Class RH	Qualified
V-AC-8	Fan Motor	Reliance	Class RH	Qualified
EPR8000A27A	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000A27B	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K7	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K8	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K9	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K10	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K11	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K12	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K13	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K14	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K15	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K16	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K17	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8000K18	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8070K1	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8070K2	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8073K1	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8073K2	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8074K1	Solenoid Valve	Honeywell	RP403D	Note 2
EPR8074K2	Solenoid Valve	Honeywell	RP403D	Note 2

Attachment A Notes

- NOTE 1: The transmitter function of this instrument is not qualified; however, the switch function is qualified. Qualified transmitters will be installed during the 1984 refueling outage.
- NOTE 2: This equipment will be replaced with qualified equipment during the 1984 refueling outage.
- NOTE 3: This equipment will be modified to correct the qualification deficiencies during the 1984 refueling outage.
- NOTE 4: In certain plant areas, the postulated accident dose exceeds the qualified dose for this cable. This cable will be replaced in these areas with a qualified cable during the 1984 refueling outage.
- NOTE 5: This cable will be tested. Testing is expected to be completed by November 1, 1983.
- NOTE 6: We are currently participating in a joint program with several other utilities to evaluate existing qualification data for this equipment. We expect to complete the first phase of this effort by August 31, 1983.

The schedule for subsequent activities for this equipment is dependent upon the outcome of the initial phase.