

ENCLOSURE 1

to

Letter to Mr. S. A. Varga of the NRC from Mr. C. W. Giesler of WPSC,

dated March 16, 1984

RESOLUTION OF SAFETY EVALUATION REPORT FOR ENVIRONMENTAL
QUALIFICATION OF ELECTRICAL EQUIPMENT IMPORTANT TO SAFETY AT
KEWAUNEE NUCLEAR POWER PLANT

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<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
1	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32056	Charging Pumps Emergency Make-up Water			Not in scope of rule: Charging pumps are not required for Design Basis Accidents -- Emergency Make-up Water would be provided by other environmentally qualified systems (Safety Injection and/or Containment Spray).
32066	ICS Pump 1A Discharge			Qualified. Additional analysis and documentation. Refer to Note 1.
32067	ICS Pump 1B Discharge			Qualified. Additional analysis and documentation. Refer to Note 1.
32104	Boric Acid Tanks Outlet Isol 1A			Qualified. Refer to Note 2.
32105	Boric Acid Tanks Outlet Isol 1B			Qualified. Refer to Note 2.
32106	Boric Acid to SI Pump Suction			Qualified. Refer to Note 2.
32107	SI Pump 1A Suction			Qualified. Refer to Note 2.
32108	SI Pump 1B Suction			Qualified. Refer to Note 2.
32109	RWST to SI Pumps 1A			Qualified. Refer to Note 2.
32110	RWST to SI Pumps 1B			Qualified. Refer to Note 2.
32131	RWST Test Inlet			Qualified. Additional analysis and documentation. Refer to Note 1.
32134	RHR Hx to SI 1A			Qualified. Refer to Note 2

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32135	RHR Hx to SI 1B			Qualified. Refer to Note 2
2	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE RADIATION	
32060	Fan Coil 1A Service Water Return MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32061	Fan Coil 1A Service Water Return MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32102	Containment Sump B Isolation MV 1A			Qualified. Additional analysis and documentation. Refer to Note 1.
32103	Containment Sump B Isolation MV 1B			Qualified. Additional analysis and documentation. Refer to Note 1.
32113	Containment Sump B Isolation MV 1C			Qualified. Additional analysis and documentation. Refer to Note 1.
3	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32145	Post LOCA Hydrogen Ventilation Isolation 1A MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32146	Post LOCA Hydrogen Ventilation Isolation 1A MV			Qualified. Additional analysis and documentation. Refer to Note 1.

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4	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32111	RHR Pump Suction Isolation MV 1A			Qualified. Additional analysis and documentation. Refer to Note 1.
32112	RHR Pump Suction Isolation MV 1B			Qualified. Additional analysis and documentation. Refer to Note 1.
5	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32068	Containment Spray Pump 1B Discharge MV 1A			Qualified. Additional analysis and documentation. Refer to Note 1.
32069	Containment Spray Pump 1B Discharge MV 1B			Qualified. Additional analysis and documentation. Refer to Note 1.
32130	Reactor Water Storage Test Inlet Stop MV 1A			Qualified. Additional analysis and documentation. Refer to Note 1.
32131	Refueling Water Storage Tank Test Inlet Stop MV 1A			Qualified. Additional analysis and documentation. Refer to Note 1.

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6	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE SUBMERGENCE	
32077	Steam Generator 1A Blowdown Isolation MV (BT-2A)			Qualified. Additional analysis and documentation. Refer to Note 1.
32079	Steam Generator 1A Blowdown Isolation MV (BT-2B)			Qualified. Additional analysis and documentation. Refer to Note 1.
7	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32115	Seal Water Leakoff Isolation MV Closed			Qualified. Additional analysis and documentation. Refer to Note 1.
32125	Core Spray 1A Auxiliary Coolant MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32126	Core Spray Pump 1B Auxiliary Coolant MV			Qualified. Additional analysis and documentation. Refer to Note 1.
8	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32016	Feedwater to Steam Generator 1B Isolation			Qualified. Additional analysis and documentation. Refer to Note 1.

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9	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32091	S.I. Accumulation 1A Discharge Isolation MV			Not in scope of rule: The valve is locked open whenever the plant is operating.
32092	S.I. High Pressure A Cold Leg Isolation MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32093	S.I. Low Pressure Reactor Vessel Isolation MV			Qualified. Additional analysis and documentation. Refer to Note 1.
10	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE RADIATION	
32082	BXCS Letdown Heat Exchanger CCW Return MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32084	RC Pump 1A Cooling Water Supply MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32085	RC Pump 1B Cooling Water Supply MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32086	RC Pump 1A Cooling Water Return MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32087	RC Pump 1B Cooling Water Return MV			Qualified. Additional analysis and documentation. Refer to Note 1.

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11	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32119	CCW to RSDL Heat Exchanger 1A MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32120	CCW to RSDL Heat Exchanger 1B MV			Qualified. Additional analysis and documentation. Refer to Note 1.
12	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32390	Valve Operator			Qualified. Additional analysis and documentation. Refer to Note 1.
32391	Valve Operator			Qualified. Additional analysis and documentation. Refer to Note 1.
13	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE RADIATION	
32089	Valve Operator			Qualified. Additional analysis and documentation. Refer to Note 1.
32090	Valve Operator			Qualified. Additional analysis and documentation. Refer to Note 1.

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14	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32096	SI Accumulators 1B Discharge Isolation MV			Not in scope of rule: The valve is locked open whenever the plant is operating.
32097	SI High Pressure B Cold Leg Isolation MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32098	SI Low Pressure B Reactor Vessel Isolation MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32100	SI to Reactor Vessel Isolation MV 1A			Qualified. Additional analysis and documentation. Refer to Note 1.
32101	SI to Reactor Vessel Isolation MV 1B			Qualified. Additional analysis and documentation. Refer to Note 1.
15	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32147	Post LOCA H2 Control Supply Air 1A Isolation MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32148	Post LOCA H2 Control Supply Air 1B Isolation MV			Qualified. Additional analysis and documentation. Refer to Note 1.

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16	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32058	Fan Coil 1C Service Water Return MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32061	Fan Coil 1B Service Water Return MV			Qualified. Additional analysis and documentation. Refer to Note 1.
17	LIMITORQUE VALVE OPERATORS	II.C	AGING QUALIFIED LIFE	
32078	Steam Generator 1A Blowdown Isolation MV (BT-3A)			Qualified. Additional analysis and documentation. Refer to Note 1.
32080	Steam Generator 1B Blowdown Isolation MV (BT-3B)			Qualified. Additional analysis and documentation. Refer to Note 1.
32083	Component Cooling Surge Tank Emergency Make-Up MV			Not in scope of rule: This valve operator was discovered by field verification to be located in a mild environment.
18	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32124	Steam Leak Water Leakoff Shut-Off MV			Qualified. Additional analysis and documentation. Refer to Note 1.

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19	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32027	Auxiliary Feedwater Pump 1A Discharge Crossover MV			Not in scope of rule: This valve operator was discovered by field verification to be located in a mild environment.
32078	Steam Generator 1A Blowdown Isolation MV (BT-3A)			Qualified. Additional analysis and documentation. Refer to Note 1.
32080	Steam Generator 1B Blowdown Isolation MV (BT-3B)			Qualified. Additional analysis and documentation. Refer to Note 1.
20	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32094	Safety Injection Cold Leg Isolation MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32111	Refueling Water Storage Tank to Safety Injection Pumps MV 1A			Qualified. Additional analysis and documentation. Refer to Note 1.
32112	RHR Pump Suction Isolation MV 1B			Qualified. Additional analysis and documentation. Refer to Note 1.

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21	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32058	Fan Coil 1C Service Water Return MV			Qualified. Additional analysis and documentation. Refer to Note 1.
32059	Fan Coil 1D Service Water Return MV			Qualified. Additional analysis and documentation. Refer to Note 1.
22	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32015	Feedwater to Steam Generator 1A Isolation			Qualified. Additional analysis and documentation. Refer to Note 1.
23	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE RADIATION	
32114	Containment Sump B Isolation MV 1D			Qualified. Additional analysis and documentation. Refer to Note 1.

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24	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32095	Safety Injection Hot Leg Isolation MV			Qualified. Additional analysis and documentation. Refer to Note 1.
25	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32039	SG Supply to Turbine Drive AFW Pump Isolation MV			Qualified. Additional analysis and documentation. Refer to Note 1.
26	LIMITORQUE VALVE OPERATORS	II.A	SIMILARITY AGING QUALIFIED LIFE	
32038	SG Supply to Turbine Drive AFW Pump Isolation MV			Qualified. Additional analysis and documentation. Refer to Note 1.
27	BETTIS MODEL RX321 LIMIT SWITCH	I.B	DOCUMENTATION	
31123	Containment Isolation Valve RBV 4			Qualified by Replacement (NAMCO EA-740)
31125	Containment Isolation Valve RBV 1			Qualified by Replacement (NAMCO EA-740)

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28	BETTIS MODEL RX321 LIMIT SWITCH	I.B	DOCUMENTATION	
31124	Containment Isolation Inside Vessel Exhaust CV			Qualified by Replacement (NAMCO EA-740)
31126	Containment Isolation Valve RBV 2			Qualified by Replacement (NAMCO EA-740)
29	ALLEN-BRADLEY MODEL 802TAT LIMIT SWITCH	I.B	DOCUMENTATION	
34010	Zone SV Exhaust Filter Assy. 1B Inlet Damper			Qualified by Replacement (NAMCO EA-180)
34013	Zone SV Exhaust Filter Assy. 1A Inlet Damper			Qualified by Replacement (NAMCO EA-180)
34014	Zone SV Exhaust Fan 1A Discharge Damper			Qualified by Replacement (NAMCO EA-180)
34015	Zone SV Exhaust Fan 1B Discharge Damper			Qualified by Replacement (NAMCO EA-180)
29	AGASTAT TIME DELAY RELAYS	I.B	DOCUMENTATION	
62-1/1-318	Control Room A/C Fan 1B			Not in Scope of Rule: Relocated to Mild Environment
62-2/1-318	Control Room A/C Fan 1B			Not in Scope of Rule: Relocated to Mild Environment

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30	ALLEN-BRADLEY MODEL 802TAT LIMIT SWITCH	I.B	DOCUMENTATION	
32382	SBV REC Fan 1A Discharge Damper			Qualified. Additional Analysis and Documentation. Refer to Note 3.
32383	SBV Exhaust Fan 1A Discharge Damper			Qualified. Additional Analysis and Documentation. Refer to Note 3.
32384	SRV REC Fan 1A REC Damper			Qualified. Additional Analysis and Documentation. Refer to Note 3.
32385	SBV REC Fan 1B REC Damper			Qualified. Additional Analysis and Documentation. Refer to Note 3.
32386	SBV Exhaust Fan 1B Discharge Damper			Qualified. Additional Analysis and Documentation. Refer to Note 3.
32387	SBV Recirculation Fan 1B Recirc. Damper			Qualified. Additional Analysis and Documentation. Refer to Note 3.
34006	Cont. Rm. Indication on Contmt Exhaust Damper (RBV 5)			Qualified. Additional Analysis and Documentation. Refer to Note 3.
34033	Cont. Rm. Indication on Contmt Purge/Vent Supply Exhaust			Qualified. Additional Analysis and Documentation. Refer to Note 3.

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31	ALLEN-BRADLEY MODEL 802TAT LIMIT SWITCH	II.A	SIMILARITY	
34039	SBV Filter 1A Inlet Damper			Qualified. Additional Analysis and Documentation. Refer to Note 3.
34040	SABV Filter 1B Inlet Damper			Qualified. Additional Analysis and Documentation. Refer to Note 3.
32	ALLEN-BRADLEY MODEL 802TAT LIMIT SWITCH	I.B	DOCUMENTATION	
31337	Containment Vacuum Breaker			Qualified by Replacement (NAMCO EA-740)
31338	Containment Vacuum Breaker			Qualified by Replacement (NAMCO EA-740)
33	NAMCO MODEL D2400X LIMIT SWITCH	I.B	None	
31234	Letdown Flow to Letdown Heat Exchanger CV CL			Qualified by Replacement (NAMCO EA-180)

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34	NAMCO MODEL D2400X LIMIT SWITCH	IV		
31132	CNTMT Isolation RC Drain Tank Vent CV 1A			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31133	CNTMT Isolation RC Drain Tank Vent CV 1B			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31134	CNTMT Isolation RC Drain Pumps Discharge HDR CV 1A			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31135	CNTMT Isolation RC Drain Pumps Discharge HDR CV 1B			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31136	CNTMT Isolation CNTMT Sump Pumps Drain HDR Isolation SV 1A			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31137	CNTMT Isolation CNTMT Sump Pumps Drain HDR Isolation SV 1B			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31216	CNTMT Isolation RC Drain Tank to Gas Analyzer CV 1A			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31217	CNTMT Isolation RC Drain Tank to Gas Analyzer CB 1B			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31259	Pressurizer Relief Tank MG (B) 512			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31260	Pressurizer Relief Tank MG (B) 512			Qualified. Additional Analysis and Documentation. Refer to Note 3.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
31261	Pressurizer Relief Tank MU 1010-1			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31267	Position Indication			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31268	Position Indication			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31269	Position Indication			Qualified By Replacement (VALCOR V526-5295-33, see 33327)
31271	Containment Isolation S/G 1B Sampling Stop CV			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31298	Containment Isolation Valve			Not in scope of rule: This limit switch was discovered by field verification to be located in a mild environment.
31335	SG1A Sampling Valve PT 32A			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31383	Position Indication CV			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31384	Position Indication CV			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31385	Position Indication CV			Qualified. Additional Analysis and Documentation. Refer to Note 3.

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31393	Caustic Addition CI 1001A			Qualified. Additional Analysis and Documentation. Refer to Note 3.
35	NAMCO MODEL EA-180 LIMIT SWITCH	II.A	AGING SPRAY SUBMERGENCE	
31231	Letdown Orifice 1A CV CL			Qualified By Replacement (NAMCO EA-180)
31232	Letdown Orifice 1B CV CL			Qualified By Replacement (NAMCO EA-180)
31233	Letdown Orifice 1C CV CL			Qualified By Replacement (NAMCO EA-180)
31263	PSZR Steam Sample Isolation			Qualified By Replacement (NAMCO EA-180)
31264	Position Indication on PRZR Liquid Sample Isolation Control Valve			Qualified By Replacement (NAMCO EA-180)
31270	Containment Isolation Steam Generator 1B Sampling Stop Control Valve			Qualified By Replacement (NAMCO EA-180)
31334	Containment Isolation Steam Generator 1A Sampling Stop Control Valve			Qualified By Replacement (NAMCO EA-180)
36	NAMCO MODEL D2400X LIMIT SWITCH	IV		
31253	Accumulators Nitrogen Supply Isolation CV			Qualified. Additional Analysis and Documentation. Refer to Note 3.

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37	NAMCO MODEL EA17012100/11100 LIMIT SWITCH	II.C	AGING QUALIFIED LIFE	
31015	Main Steam Header 1A Isolation Valve			Qualified by Analysis Replacement (NAMCO EA-180), Scheduled for Spring, 1984, Refueling Outage
38	NAMCO MODEL EA17012100/11100 LIMIT SWITCH	II.C	AGING QUALIFIED LIFE	
31016	Main Steam Header 1B Isolation Valve			Qualified by Analysis Replacement (NAMCO EA-180), Scheduled for Spring, 1984, Refueling Outage
39	NAMCO MODEL D2400X LIMIT SWITCH	IV		
31394	Caustic Additive Valve			Qualified. Additional Analysis and Documentation. Refer to Note 3.

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40	NAMCO MODEL D2400X LIMIT SWITCH	I.B	DOCUMENTATION	
31109	Valve Position Indication			Not in scope of rule: not a part of our licensing basis. PORV position indication would be provided by other redundant means and administrative controls. Although not on our Master List, these limit switches were replaced by environmentally qualified models.
31110	Valve Position Indication			Not in scope of rule: not a part of our licensing basis. PORV position indication would be provided by other redundant means and administrative controls. Although not on our Master List, these limit switches were replaced by environmentally qualified models.

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41	NAMCO MODEL EA-170 LIMIT SWITCH	II.C	AGING QUALIFIED LIFE	
31667	Position Indication			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31679	Position Indication			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31682	Position Indication			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31683	Position Indication			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31684	Position Indication			Qualified. Additional Analysis and Documentation. Refer to Note 3.
31685	Position Indication			Qualified. Additional Analysis and Documentation. Refer to Note 3.
42	NAMCO MODEL EA18011302 LIMIT SWITCH	I.A	NONE	
31688	Position Indicator			Qualified. No action required.
31689	Position Indicator			Qualified. No action required.

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43	VALCOR MODEL S114061 REED SWITCH	II.C	AGING QUALIFIED LIFE	
33327	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component.
33650	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component.
33651	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33652	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33653	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33654	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33656	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33657	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component

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33664	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33665	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33668	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33669	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33670	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33671	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33672	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33673	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component

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33675	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33676	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33678	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33679	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33680	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33681	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33682	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33683	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component

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33684	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33685	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33686	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33687	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33688	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component
33690	Position Indication			Qualified as integral component of associated solenoid valve. No longer listed as a separate component

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44	VALCOR MODEL V526529531 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33690	Valve Operator			Qualified. Refer to Note 4.
33688	Valve Operator			Qualified. Refer to Note 4.
33687	Valve Operator			Qualified. Refer to Note 4.
33686	Valve Operator			Qualified. Refer to Note 4.
33685	Valve Operator			Qualified.
33684	Valve Operator			Qualified.
33683	Valve Operator			Qualified. Refer to Note 4.
33682	Valve Operator			Qualified. Refer to Note 4.
33681	Valve Operator			Qualified. Refer to Note 4.
33680	Valve Operator			Qualified. Refer to Note 4.
33679	Valve Operator			Qualified. Refer to Note 4.
33678	Valve Operator			Qualified. Refer to Note 4.
33673	Valve Operator			Qualified. Refer to Note 4.
33672	Valve Operator			Qualified. Refer to Note 4.
33671	Valve Operator			Qualified. Refer to Note 4.
33670	Valve Operator			Qualified. Refer to Note 4.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
33669	Valve Operator			Qualified. Refer to Note 4.
33668	Valve Operator			Qualified. Refer to Note 4.
33665	Valve Operator			Qualified.
33664	Valve Operator			Qualified.
33657	Valve Operator			Qualified.
33656	Valve Operator			Qualified.
33654	Valve Operator			Qualified.
33650	Valve Operator			Qualified.
33649	Valve Operator			Qualified.
33327	Containment Isolation			Qualified.
45	VALCOR MODEL V526529534	II.C	AGING QUALIFIED LIFE	
33655	Valve Operator			Qualified.
33092	Containment Isolation SV			Qualified.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
46	VALCOR MODEL V52630529217 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33092	Containment Isolation RC Hot Leg Sampling Isolation SV			Qualified.
47	VALCOR MODEL V52630529217 SOLENOID VALVE		AGING QUALIFIED LIFE	
33327	Containment Isolation Hot Leg Sampling Stop SV			Qualified.
48	JOHNSON CONTROLS MODEL V24 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33434	Steam Excl Boundary Damper 6 SV			Not in scope of rule: This valve was discovered by field verification to be located in a mild environment.
49	JOHNSON CONTROLS MODEL V24 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33433	Steam Exec Boundary Damper 5 SV			Qualified. Refer to Note 2.
33452	Steam Excl Boundary Damper 4C SV			Qualified. Refer to Note 2.
33453	Steam Excl Boundary Damper 4D SV			Qualified. Refer to Note 2.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
50.	JOHNSON CONTROLS MODEL V24 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33289	SBV Filter Assy 1A Inlet Damper SV			Qualified. Refer to Note 2.
33290	SBV Filter Assy 1B Inlet Damper SV			Qualified. Refer to Note 2.
51	JOHNSON CONTROLS MODEL V24 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33259	Auxiliary Building Special Vent			Qualified. Refer to Note 2.
33328	ASV Boundary Damper			Qualified. Refer to Note 2.
33329	ASV Boundary Damper			Qualified. Refer to Note 2.
33366	ASV Boundary Damper			Qualified. Refer to Note 2.
52	JOHNSON CONTROLS MODEL V24 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33262	ASV Boundary Dampers			Qualified. Refer to Note 2.
33267	ASV Boundary Dampers			Qualified. Refer to Note 2.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
53	JOHNSON CONTROLS MODEL V24 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33271	ASV Boundary Dampers			Qualified. Refer to Note 2.
33268	ASV Boundary Dampers			Qualified. Refer to Note 2.
33257	ASV Boundary Dampers			Qualified. Refer to Note 2.
33256	ASV Boundary Damper			Qualified. Refer to Note 2.0
33255	ASV Boundary Damper			Qualified. Refer to Note 2.
33254	Zone SV Boundary Damper 1B Train ASV			Qualified. Refer to Note 2.
33252	ASV Boundary Dampers			Qualified. Refer to Note 2.
54	ASCO MODEL HTX8302C26F SOLENOID VALVE	I.B	DOCUMENTATION	
33025	Main Steam Header 1A Control Relief CV			Not in scope of rule: Not a part of our licensing basis.
55	ASCO MODEL HTX8302C26F SOLENOID VALVE	I.B	DOCUMENTATION	
33248	Instrument Air Valve 1A 101			Qualified. Refer to Note 2.
56	ASCO MODEL 831654 SOLENOID VALVE	I.B	DOCUMENTATION	
33193	Letdown Flow Letdown Heat Exchanger Isolation SV			Qualified. Refer to Note 2.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
57	ASCO MODEL 8316B54 SOLENOID VALVE	I.B	DOCUMENTATION	
33030	CNTMT Pressurizer Liquid Sampling Isol. CV SV			Qualified. Refer to Note 2.
58	ASCO MODEL 8302C26RF SOLENOID VALVE	I.B	DOCUMENTATION	
33016	S/G 1B Sampling Isolation SV			Qualified. Refer to Note 2.
59	ASCO MODEL FT8320A101 SOLENOID VALVE	I.B	DOCUMENTATION	
33244	Containment Isolation RC Drain Tank to Gas Analyzer SV 1A			Qualified. Refer to Note 2.
33245	Containment Isolation RC Drain Tank to Gas Analyzer SV 1B			Qualified. Refer to Note 2.
33387	Containment Air Sample Isolation CV			Qualified. Refer to Note 2.
60	ASCO MODEL HTX8302C26F SOLENOID VALVE	I.B	DOCUMENTATION	
33378	ICS Spray Caustic Additive CV 1A SV			Qualified. Refer to Note 2.
33379	ICS Spray Caustic Additive CV 1B SV			Qualified. Refer to Note 2.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
61	ASCO MODEL 8210C8 SOLENOID VALVE	I.B	DOCUMENTATION	
33311	Spray Water SBV Filter Assembly 1A			Not in scope of rule: Licensing basis is single active failure.
33312	Spray Water SBV Filter Assembly 1B SV			Not in scope of rule: Licensing basis is single active failure.
62	ASCO MODEL 8210C22 SOLENOID VALVE	I.B	DOCUMENTATION	
33309	Auxiliary Building, Zone SV Exhaust Filter 1A Deluge SV			Not in scope of rule: Licensing basis is single active failure.
33310	Auxiliary Building, Zone SV Exhaust Filter 1B Deluge SV			Not in scope of rule: Licensing basis is single active failure.
33422	ASV Boundary Damper 1G Train B SV			Qualified. Refer to Note 2.
33427	Zone SV Boundary Damper 1P Train B SV			Not in scope of rule: Discovered by field verification to be located in a mild environment.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
63.	ASCO MODEL NP831655E SOLENOID VALVE	I.A	NONE	
33124	Containment Isolation Outside Vessel Exhaust CV Inlet SV			Not in scope of rule: Valve locked closed above hot shutdown per NRC commitment.
33125	Containment Isolation Outside Vessel Exhaust CV Inlet SV			Not in scope of rule: Valve locked closed above hot shutdown per NRC commitment.
33126	Containment Isolation Inside Vessel Exhaust CV Vent SV			Not in scope of rule: Valve locked closed above hot shutdown per NRC commitment.
33130	Containment Isolation Inside Vessel Supply CV Inlet SV			Not in scope of rule: Valve locked closed above hot shutdown per NRC commitment.
33131	Containment Isolation Inside Vessel Supply CV Vent SV			Not in scope of rule: Valve locked closed above hot shutdown per NRC commitment.
33132	Containment Isolation Inside Vessel Supply CV Vent SV			Not in scope of rule: Valve locked closed above hot shutdown per NRC commitment.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
64	ASCO MODEL 8302C4 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33418	ASV Boundary Damper 1B Train B SV			Qualified. Refer to Note 2.
33421	ASV Boundary Dampers 1L Train B SV			Qualified. Refer to Note 2.
33425	ASV Boundary Damper 1M Train B SV			Qualified. Refer to Note 2.
33426	ASV Boundary Damper 1N Train B SV			Qualified. Refer to Note 2.
33428	ASV Damper 1C Train B SV			Qualified. Refer to Note 2.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
65.	ASCO MODEL LB83146 SOLENOID VALVE	I.B	DOCUMENTATION	
33017	S/G 1B Sample Stop SV Containment Isolation			Qualified. Refer to Note 2.
33024	Containment Isolation RC Drain Tank Vent SV 1A			Qualified. Refer to Note 2.
33072	Containment Isolation RC Drain Tank Vent SV 1B			Qualified. Refer to Note 2.
33093	Gas Anal. Sample Containment Isolation Przr. Rlf. Tank			Qualified. Refer to Note 2.
33120	Containment Isolation RC Drain Pumps Discharge Hdr. SV 1A			Qualified. Refer to Note 2.
33137	Gas Anal. Samp. CNTMT Isol. Przr. Relief Tank Gas Samp.			Qualified. Refer to Note 2.
33143	Containment Isolation RC Drain Pumps Discharge Hdr. SV 1B			Qualified. Refer to Note 2.
33145	Containment Isolation RC Drain Pumps Discharge Hdr. SV 1A			Qualified. Refer to Note 2.
33146	Containment Isolation CNTMT Sump Pumps Drain Isolation SV 1B			Qualified. Refer to Note 2.
33159	Containment Isolation S/G 1A Sampling Stop SV			Qualified. Refer to Note 2.
33170	Przr. Relief Tank Reactor Makeup Water Isolation SV			Qualified. Refer to Note 2.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
66	ASCO MODEL 8302C4 SOLENOID VALVE	I.B	DOCUMENTATION	
33158	S/G 1A Sampling Isolation SV			Qualified. Refer to Note 2.
33199	Regulates Heat Exchanger Outlet Letdown Orifice Stop SV 1A			Qualified. Refer to Note 2.
33200	Regulates Heat Exchanger Outlet Letdown Orifice Stop SV 1B			Qualified. Refer to Note 2.
33201	Regulates Heat Exchanger Outlet Letdown Orifice Stop SV 1A			Qualified. Refer to Note 2.
33274	Containment Isolation Przr. Stm. Sampling Isolation CV SV			Qualified. Refer to Note 2.
67	ASCO MODEL WP8015C21 SOLENOID VALVE	I.B	DOCUMENTATION	
33177	Main Steam Hdr. 1A Isolation Valve Air Release SV 1A7			Qualified. Refer to Note 2.
33181	Main Steam Hdr. 1A Isolation Valve Air Supply SV 1A1			Qualified. Refer to Note 2.
33183	Main Steam Hdr. 1A Isolation Valve Air Supply SV 1A2			Qualified. Refer to Note 2.
33185	Main Steam Hdr. 1A Isolation Valve Air Release SV 1A6			Qualified. Refer to Note 2.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
68	ASCO MODEL 8302C26F SOLENOID VALVE	I.B	DOCUMENTATION	
33325	Containment Isolation Przr. Stm. Sampling Stop CV SV			Qualified. Refer to Note 2.
33326	Containment Isolation Przr. Liq. Sampling Stop CV SV			Qualified. Refer to Note 2.
33385	Containment Air Sample Isolation CV			Qualified. Refer to Note 2.
33386	Containment Air Sample Isolation CV			Qualified. Refer to Note 2.
69	ASCO MODEL LB8300C58RV SOLENOID VALVE	I.B	DOCUMENTATION	
33074	S/G 1A/1B Feedwater Control			Qualified. Refer to Note 2.
33075	S/G 1A/1B Feedwater Control			Qualified. Refer to Note 2.
33080	S/G 1A Feedwater Bypass Control			Qualified. Refer to Note 2.
33081	S/G 1A Feedwater Bypass Control SV 1A2			Qualified. Refer to Note 2.
70	ASCO MODEL LB8300B61RV SOLENOID VALVE	I.B	DOCUMENTATION	
33077	S/G 1B Feedwater Control			Qualified. Refer to Note 2.
33078	S/G 1B Feedwater Control			Qualified. Refer to Note 2.
33082	S/G 1B Feedwater Bypass Control SV 1B1			Qualified. Refer to Note 2.
33083	S/G 1B Feedwater Bypass Control SV 1B2			Qualified. Refer to Note 2.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
71	ASCO MODEL HTX8302B266F SOLENOID VALVE	I.B	DOCUMENTATION	
33303	RHR Pump Pit Fan Coil Unit 1A			Qualified. Refer to Note 2.
33304	RHR Pump Pit Fan Coil Unit 1B			Qualified. Refer to Note 2.
33330	RHR Pump 1A Pit CV SV			Not in scope of rule: Licensing basis is single active failure.
33331	RHR Pump 1B Pit CV SV			Not in scope of rule: Licensing basis is single active failure.
72	ASCO MODEL HTX8302C26F SOLENOID VALVE	I.B	DOCUMENTATION	
33026	Main Steam Header 1B Control Relief SV			Not in scope of rule: Not a part of our licensing basis.
33178	Main Steam Hdr. 1B Isolation Valve Air Supply SV 1B7			Qualified. Refer to Note 2.
33182	Main Steam Hdr. 1B Isolation Valve Air Supply SV 1B1			Qualified. Refer to Note 2.
33184	Main Steam Hdr. 1B Isolation Valve Air Supply SV 1B2			Qualified. Refer to Note 2.
33186	Main Steam Hdr. 1B Isolation Valve Air Release SV 1B6			Qualified. Refer to Note 2.
73	ASCO MODEL 8320A185 SOLENOID VALVE	II.A	DOCUMENTATION	
33710	Valve Operator			Qualified. Refer to Note 2.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
74	ASCO MODEL JVA2126314RU SOLENOID VALVE	II.A	DOCUMENTATION	
33716	Valve Operator			Qualified. Refer to Note 2.
33718	Valve Operator			Qualified. Refer to Note 2.
75	ASCO MODEL NP831655E SOLENOID VALVE	I.A	NONE	
33717	Valve Operator			Qualified. No action required.
33719	Valve Operator			Qualified. No action required.
76	TARGET ROCK MODEL 80B001 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33658	Valve Operator			Qualified.
33659	Valve Operator			Qualified.
33660	Valve Operator			Qualified.
33661	Valve Operator			Qualified.
33662	Valve Operator			Qualified.
33663	Valve Operator			Qualified.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
77	VALCOR MODEL V57352314 SOLENOID VALVE	II.A	DOCUMENTATION	
33652	Valve Operator			Qualified.
33653	Valve Operator			Qualified.
33675	Valve Operator			Qualified. Refer to Note 4.
33676	Valve Operator			Qualified. Refer to Note 4.
78	VALCOR MODEL S114061 SOLENOID VALVE	II.C	AGING QUALIFIED LIFE	
33655	Position Indication (Red Switch)			Qualified as integral component of associated solenoid valve. No longer listed as a separate component.
79	ALCO MODEL 240RA9T7T SOLENOID VALVE	I.B	DOCUMENTATION	
33707	Valve Operator			Not in scope of rule: Discovered by field verification to be located in a mild environment.
33713	Valve Operator			Not in scope of rule: Discovered by field verification to be located in a mild environment.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
80	MAGNETROL MODEL B730 LEVEL SWITCH	IV		
16721	Level Switch, DDT			Qualified. Documentation now available.
16722	Level Switch, DDT			Qualified. Documentation now available.
16723	Level Switch, DDT			Qualified. Documentation now available.
16724	Level Switch, DDT			Qualified. Documentation now available.
16725	Level Switch, DDT			Qualified. Documentation now available.
81	MAGNETROL MODEL A153FEPTDM LEVEL INDICATING SWITCH	II.A	DOCUMENTATION AGING QUALIFIED LIFE TEMPERATURE/PRESSURE SPRAY SUBMERGENCE RADIATION SEQUENCE	
16695	RHR Sump B Level B-1 LA			Not in scope of rule: Indication provided by other redundant, qualified components.
16696	RHR Sump B Level B-2 LA			Not in scope of rule: Indication provided by other redundant, qualified components.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
82	MAGNETROL MODEL A153FXFP/VPXYTDM LEVEL SWITCH	II.A	DOCUMENTATION SUBMERGENCE RADIATION	
16638	RHR Pump 1A Pit Control/High LA			Not in scope of rule.
16639	RHR Pump 1B Pit Control/High LA			Not in scope of rule.
1669301	RHR Pump Pit Sump Pump 1B H1 LA			Not in scope of rule.
1669302	RHR Pump Pit Sump Pump 1B H1-H1-H1-LA			Not in scope of rule.
1669401	RHR Pump Pit Sump Pump 1A H1-H1-LA			Not in scope of rule.
83	GEMS MODEL XMS4853 PRESSURE TRANSMITTER	II.A	DOCUMENTATION	
2407002	Level Transmitter, WR CTMT			Qualified. Testing and Documentation Complete.
2407003	Level Transmitter, WR CTMT			Qualified. Testing and Documentation Complete.
2407102	Level Transmitter, WR CTMT			Qualified. Testing and Documentation Complete.
2407103	Level Transmitter, WR CTMT			Qualified. Testing and Documentation Complete.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
84	GEMS MODEL XM54852 PRESSURE TRANSMITTER	II.A	DOCUMENTATION	
2407001	Level Transmitter, WR CTMT			Qualified. Testing and Documentation Complete.
2407101	Level Transmitter, WR CTMT			Qualified. Testing and Documentation Complete.
85	UNITED ELECTRIC CONTROLS MODEL 9759 TYPE J7 PRESSURE TRANSMITTER	II.A	DOCUMENTATION	
16112	Main Steam Header 1A Control Relief Pressure Switch			Not in scope of rule: Not a part of our licensing basis.
16113	MS Header 1B Control Relief Pressure Switch			Not in scope of rule: Not a part of our licensing basis.
86	BARTON MODEL 288A PRESSURE TRANSMITTER	IV	DOCUMENTATION	
16427	Containment Vacuum Breaker CV 1A			Qualified. Documentation Available.
16428	Containment Vacuum Breaker CV 1B			Qualified. Documentation Available.
87	BARTON MODEL 289A PRESSURE TRANSMITTER	IV	DOCUMENTATION	
16416	SBV Recirculation Damper Control			Qualified. Documentation Available.
16417	SBV Recirculation Damper Control			Qualified. Documentation Available.

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88	BARTON MODEL 368 PRESSURE TRANSMITTER	I.B	SIMILARITY AGING QUALIFIED LIFE	
21100	ESF Actuation			Qualified by Replacement (Foxboro N-E10)
21101	ESF Actuation			Qualified by Replacement (Foxboro N-E10)
21117	Containment Pressure			Qualified by Replacement (Foxboro N-E10)
21118	Containment Pressure			Qualified by Replacement (Foxboro N-E10)
21119	Containment Pressure			Qualified by Replacement (Foxboro N-E10)
89	BARTON MODEL 386/351 PRESSURE TRANSMITTER	I.B	SIMILARITY AGING QUALIFIED LIFE	
24030	Level Transmitter on Pressurizer 1C			Qualified Replacment (Barton 764) scheduled 1984 Refueling Outage
24031	Level Transmitter on Pressurizer 1B			Qualified Replacment (Barton 764) scheduled 1984 Refueling Outage
24032	Level Transmitter on Pressurizer 1A			Qualified Replacment (Barton 764) scheduled 1984 Refueling Outage

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90	BARTON MODEL 384 PRESSURE TRANSMITTER	I.B	SIMILARITY AGING QUALIFIED LIFE	
23001	Main Steam from Steam Generator 1A Flow Transmitter			Qualified by Replacement (Rosemount 1153)
23002	Main Steam from Steam Generator 1B Flow Transmitter			Qualified by Replacement (Rosemount 1153)
23005	Main Steam from Steam Generator 1A Flow Transmitter			Qualified by Replacement (Rosemount 1153)
23007	Main Steam from Steam Generator 1B Flow Transmitter			Qualified by Replacement (Rosemount 1153)
91	BARTON MODEL 368 PRESSURE TRANSMITTER	I.B	SIMILARITY AGING QUALIFIED LIFE	
21102	ESF Actuation			Qualified by Replacement (Foxboro N-E10)
92	BARTON MODEL 384 PRESSURE TRANSMITTER	I.B	SIMILARITY AGING QUALIFIED LIFE	
24029	Level Indication on Pressurizer I CCLD			Qualified Replacement (Barton 764) scheduled 1984.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
93	BARTON MODEL 332 PRESSURE TRANSMITTER	II.A	SIMILARITY AGING QUALIFIED LIFE	
24062	Refueling Water Storage Tank			Qualified. Refer to Note 2.
94	FOXBORO MODEL E11GMSAD1 PRESSURE TRANSMITTER	I.B	SIMILARITY	
21084	RHR Pump Discharge			Qualified by Replacement (Foxboro N-E10)
21085	RHR Pump Discharge			Qualified by Replacement (Foxboro N-E10)
21114	Containment Spray Pump 1A Discharge Pressure Transmitter			Qualified by Replacement (Foxboro N-E10)
21115	Containment Spray Pump 1B Discharge Pressure Transmitter			Qualified by Replacement (Foxboro N-E10)
95	FOXBORO MODEL E11GH1NH2 PRESSURE TRANSMITTER	I.B	SIMILARITY	
21038	Reactor Coolant Hot Leg Pressure Transmitter			Qualified by Replacement (Foxboro N-E10)
21077	Reactor Coolant System Hot Leg Pressure Transmitter			Qualified by Replacement (Foxboro N-E10)

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96	FOXBORO MODEL E11GMSAE1MCA PRESSURE TRANSMITTER	I.B	AGING QUALIFIED LIFE RADIATION SEQUENCE	
21079	Pressure Measurement on Pressurizer 1C			Qualified by Replacement (Foxboro N-E10)
21080	Pressure Measurement on Pressurizer 1B			Qualified by Replacement (Foxboro N-E10)
21081	Pressure Measurement on Pressurizer 1A			Qualified by Replacement (Foxboro N-E10)
21082	Pressure Measurement on Pressurizer 1D			Qualified by Replacement (Foxboro N-E10)
97	FOXBORO MODEL E13DHSAMI PRESSURE TRANSMITTER	I.B	SIMILARITY	
24042	Steam Generator 1A Level Transmitter			Qualified by Replacement (Foxboro N-E10)
24043	Steam Generator 1A Level Transmitter			Qualified by Replacement (Foxboro N-E10)
24044	Steam Generator 1A Level Transmitter			Qualified by Replacement (Foxboro N-E10)
24046	Steam Generator 1B Level Transmitter			Qualified by Replacement (Foxboro N-E10)
24047	Steam Generator 1B Level Transmitter			Qualified by Replacement (Foxboro N-E10)
24048	Steam Generator 1B Level Transmitter			Qualified by Replacement (Foxboro N-E10)

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
98	FOXBORO MODEL E11GMSAE1 PRESSURE TRANSMITTER	I.B	SIMILARITY	
21094	Steam Generator 1A Steam Outlet Pressure Transmitter			Qualified by Replacement (Foxboro N-E10)
21095	Steam Generator 1A Steam Outlet Pressure Transmitter			Qualified by Replacement (Foxboro N-E10)
21097	Steam Generator 1B Steam Outlet Pressure Transmitter			Qualified by Replacement (Foxboro N-E10)
21098	Steam Generator 1B Steam Outlet Pressure Transmitter			Qualified by Replacement (Foxboro N-E10)
21099	Steam Generator 1B Steam Outlet Pressure Transmitter			Qualified by Replacement (Foxboro N-E10)
99	FOXBORO MODEL E11GMSAB1 PRESSURE TRANSMITTER	I.B	SIMILARITY	
24040	Refueling Water Storage Tank			Qualified by Replacement (Foxboro N-E10)
100	FOXBORO MODEL E11GMSAE1 STYLE B PRESSURE TRANSMITTER	I.B	SIMILARITY	
21096	SG 1A Steam Outlet Pressure Transmitter			Qualified by Replacement (Foxboro N-E10)
101	FOXBORO MODEL E13DMSAH1 PRESSURE TRANSMITTER	I.B	SIMILARITY	
23030	RHR Pump Outlet Flow Transmitter			Qualified by Replacement (Foxboro N-E10)
102	FOXBORO MODEL E11GMHSA1 PRESSURE TRANSMITTER	I.B	SIMILARITY	
24067	Caustic Additive Standpipe 1A			Qualified by Replacement (Foxboro N-E10)

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
103.	ROSEMOUNT MODEL 1153GA9 PRESSURE TRANSMITTER	II.A	DOCUMENTATION	
21131	Pressure Transmitter, Rx Head Vent			Not in scope of rule: Transmitter is used to monitor leakage past isolation valve during normal operation. Transmitter performs no function during accidents.
104	ROSEMOUNT MODEL 1152GP7D22PB PRESSURE TRANSMITTER	II.A	DOCUMENTATION	
21132	Pressure Measurement, WR CTMT			Qualified. Refer to Note 4.
21133	Pressure Measurement, WR CTMT			Qualified. Refer to Note 4.
105	TEXAS INSTRUMENTS MODEL 6786385 TEMPERATURE SWITCH	II.A	DOCUMENTATION	
16363	Temp Switch			Qualified.
16369	Temp Switch			Qualified.
106	TEXAS INSTRUMENTS MODEL 6786385 TEMPERATURE SWITCH	II.A	DOCUMENTATION	
16361	Temp Switch			Qualified.
16371	Temp Switch			Qualified.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
107	TEXAS INSTRUMENTS MODEL 78TL2A17 TEMPERATURE SWITCH	II.A	DOCUMENTATION	
16362	Temp Switch			Qualified.
16370	Temp Switch			Qualified.
108	TEXAS INSTRUMENTS MODEL 78TL2A17 TEMPERATURE SWITCH	II.A	DOCUMENTATION	
16364	Temp Switch			Qualified.
16372	Temp Switch			Qualified.
109	FENWAL MODEL 180000 TEMPERATURE SWITCH	IV	DOCUMENTATION	
FEN-1	Shield Building, Filter Assembly 1A (1639801)			Qualified. Documentation Available.
FEN-2	Shield Building, Filter Assembly 1B (1639802)			Qualified. Documentation Available.
FEN-3	Zone SV Exhaust Filter Assembly 1A (1639901)			Qualified. Documentation Available.
FEN-4	Zone SV Exhaust Filter Assembly 1B (1639902)			Qualified. Documentation Available.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
110	SOSTMAN MODEL 11834B1 RTD	II.A	AGING QUALIFIED LIFE SPRAY FUNCTIONAL TESTING INSTRUMENT ACCURACY	
15061	RC Cold/Hot Leg Temperature			Qualified. Additional Analysis Performed by Impell Corporation.
15062	RC Cold/Hot Leg Temperature			Qualified. Additional Analysis Performed by Impell Corporation.
15066	RC Cold/Hot Leg Temperature			Qualified. Additional Analysis Performed by Impell Corporation.
15067	RC Cold/Hot Leg Temperature			Qualified. Additional Analysis Performed by Impell Corporation.
15071	RC Cold/Hot Leg Temperature			Qualified. Additional Analysis Performed by Impell Corporation.
15072	RC Cold/Hot Leg Temperature			Qualified. Additional Analysis Performed by Impell Corporation.
15076	RC Cold/Hot Leg Temperature			Qualified. Additional Analysis Performed by Impell Corporation.
15077	RC Cold/Hot Leg Temperature			Qualified. Additional Analysis Performed by Impell Corporation.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
111.	FOXBORO MODEL RDF STANDARD RTD	II.A	DOCUMENTATION	
15264	Turbine Drive AFW Pump Room Steam Exclusion RTD 1			Qualified. Refer to Note 2.
15265	Auxiliary Building Vent Inlet Steam Exclusion RTD 1			Not in scope of rule: Discovered by field verification to be located in a mild environment.
15273	Turbine Drive AFW Pump Room Steam Exclusion RTD 2			Qualified. Refer to Note 2.
15279	Turbine Drive AFW Pump Room Steam Exclusion RTD 3			Qualified. Refer to Note 2.
112	HONEYWELL MODEL T4010C1017 TEMPERATURE DETECTOR	IV	DOCUMENTATION	
26341	Zone SV Filter Assembly 1A Heat Detector			Not in scope of rule: Licensing basis is single active failure.
26342	Zone SV Filter Assembly 1B Heat Detector			Not in scope of rule: Licensing basis is single active failure.
26343	SBV Filter Assembly 1A HD			Not in scope of rule: Licensing basis is single active failure.
26344	SBV Filter Deluge			Not in scope of rule: Licensing basis is single active failure.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
113	PENN MODEL P70AAI18 PRESSURE SWITCH	II.A	DOCUMENTATION	
16197	Pressure Switch			Not in scope of rule: Discovered by field verification to be located in a mild environment.
16198	Pressure Switch			Not in scope of rule: Discovered by field verification to be located in a mild environment.
114	PENN MODEL P70LB6 TEMPERATURE SWITCH	III.B	NONE	
16345	Temp Switch			Not in scope of rule: Discovered by field verification to be located in a mild environment.
16353	Temp Switch			Not in scope of rule: Discovered by field verification to be located in a mild environment.
115	ALLIS CHALMERS MODEL 445TS ELECTRIC MOTOR	II.A	DOCUMENTATION RADIATION	
1-107	Internal Containment Spray Pump 1A			Qualified.
1-148	Internal Containment Spray Pump 1B			Qualified.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
116.	RELIANCE ELECTRIC MODEL TYPE N ELECTRIC MOTOR	II.A	SIMILARITY AGING QUALIFIED LIFE	
1-120	Containment Fan Coil Unit 1A			Qualified.
1-121	Containment Fan Coil Unit 1A			Qualified.
1-156	Containment Fan Coil Unit 1B			Qualified.
1-157	Containment Fan Coil Unit 1D			Qualified.
1-583	Containment Dome Ventilation Fan 1A			Qualified.
1-584	Containment Dome Ventilation Fan 1B			Qualified.
117	RELIANCE ELECTRIC MODEL 284T ELECTRIC MOTOR	IV		
1-126	SV Zone Exhaust Fan 1A			Qualified. Analysis Completed.
1-127	SBV Recirculation Fan 1A			Qualified. Analysis Completed.
1-145	SBV Recirculation Fan 1B			Qualified. Analysis Completed.
118	RELIANCE ELECTRIC, MODEL NOT STATED ELECTRIC MOTOR	IV		
1-144	SV Zone, Exhaust Fan 1B			Qualified. Analysis Completed.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
119	ROTRON MODEL 1505JH ELECTRIC MOTOR	IV		
1-115	Shield Building Vent Exhaust Fan 1A			Qualified. Analysis Completed.
1-147	Shield Building Vent Exhaust Fan 1B			Qualified. Analysis Completed.
120	MARATHON MODEL 145T ELECTRIC MOTOR	I.B	DOCUMENTATION	
1-298	RHR Pump Pit Fan Coil Unit 1A			Qualified by Replacment (Reliance).
1-299	RHR Pump Pit Fan Coil Unit 1B			Qualified by Replacment (Reliance).
121	WESTINGHOUSE MODEL 5809H ELECTRIC MOTOR	II.C	AGING QUALIFIED LIFE	
1-020	SI Pump 1A			Qualified.
1-027	SI Pump 1B			Qualified.
122	WESTINGHOUSE MODEL ABDP ELECTRIC MOTOR	IV		
1-025	RHR Pump 1A			Qualified. Analysis Completed.
1-032	RHR Pump 1B			Qualified. Analysis Completed.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
123	JOHNSON CONTROLS MODEL D3200 ELECTRIC MOTOR	II.A	SIMILARITY AGING QUALIFIED LIFE	
32376	SBV System Recirculation Fan 1A Check Motor Damper			Qualified Replacement (Paul-Munroe Hydraulics) Scheduled, 1984 Refueling.
32377	SBV System Recirculation Fan 1A Check Motor Damper			Qualified Replacement (Paul-Munroe Hydraulics) Scheduled, 1984 Refueling.
32378	SBV System Recirculation Fan 1B Check Motor Damper			Qualified Replacement (Paul-Munroe Hydraulics) Scheduled, 1984 Refueling.
32379	SBV System Recirculation Fan 1B Check Motor Damper			Qualified Replacement (Paul-Munroe Hydraulics) Scheduled, 1984 Refueling.
32380	SBV System Exhaust 1B Check Motor Damper			Qualified Replacement (Paul-Munroe Hydraulics) Scheduled, 1984 Refueling.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
124	JOHNSON CONTROLS MODEL MB1ACA3 ELECTRIC MOTOR	II.C	AGING QUALIFIED LIFE	
32382	SBV Recirculation Fan 1A Exhaust Damper			Qualified. Aging Analysis by EDS.
32383	SBV Recirculation Fan 1A Discharge Operator			Qualified. Aging Analysis by EDS.
32384	SBV Recirculation Fan 1A RCRC Motor Damper			Qualified. Aging Analysis by EDS.
32385	SBV Recirculation Fan 1B Exhaust Damper			Qualified. Aging Analysis by EDS.
32386	SBV Recirculation Fan 1B Discharge Damper			Qualified. Aging Analysis by EDS.
32387	SBV Recirculation Fan 1B RCRC Motor Damper			Qualified. Aging Analysis by EDS.
125	CONAX MODEL 2323970801 RTD	II.A	DOCUMENTATION	
15302	Temp. Measurement			Qualified. Refer to Note 4.
126	BELDEN MODEL 8777 ELECTRICAL CABLE INSTRUMENT	II.A	DOCUMENTATION	
BEL-2	Instrument Signal Transmission			Not Installed. Removed from Plant Site.
BEL-3	Instrument Signal Transmission			Not Installed. Removed from Plant Site.
127	CONAX MODEL SA11144 ELECTRICAL CABLE INSTRUMENT	IV		
CON-5	Instrument Signal Transmission			Qualified. Documentation Available.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
128	OKONITE MODEL OKOZEL (TEFZEL) ELECTRICAL CABLE CONTROL	II.A	DOCUMENTATION	
	OKO-5 Control Signal Transmission			Qualified. Documentation Available.
	OKO-6 Control Signals			Qualified. Documentation Available.
129	KERITE MODEL FR/HTR ELECTRICAL CABLE	II.A	SIMILARITY SUBMERGENCE	
	KER-1 Various			Qualified. Additional vendor correspondence established simi- liarity. Submergence test report available.
130	KERITE MODEL VARIOUS ELECTRICAL CABLE SPLICE	II.A	SIMILARITY	
	KER-2 Various Terminations			Qualified. Additional vendor correspondence established simi- liarity.
131	BOSTON INSULATED WIRE MODEL BOSTRAD 7 ELECTRICAL CABLE CONTROL	I.A	NONE	
	BIW-1 Various			Qualified.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
132.	OKONITE MODEL OKONITE-OKOPRENE ELECTRICAL CABLE	II.A	SIMILARITY AGING QUALIFIED LIFE TEMPERATURE/PRESSURE SPRAY SUBMERGENCE RADIATION	
CKO-1	Various			Qualified.
133	OKONITE MODEL T95 ELECTRICAL CABLE SPLICE	II.A	AGING QUALIFIED LIFE TEMPERATURE/PRESSURE SPRAY SUBMERGENCE	
OKO-2	Various			Qualified.
134	CHROMALOX, MODEL NOT STATED - ELECTRIC HEATER	I.A	NONE	
1-238	Shield Building Filter Assembly 1A Heating Coil			Qualified.
1-239	Shield Building Filter Assembly 1B Heating Coil			Qualified.
1-449	Zone SV Exhaust Filter Assembly 1A Carbon Filter Heater			Qualified.
I-450	Zone SV Exhaust Filter Assembly 1B Carbon Filter Heater			Qualified.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
135	D. G. O'BRIEN MODEL I&C (PR-8) ELECTRICAL PENETRATION DGO-6 Various	I.A	NONE	Qualified.
136	D. G. O'BRIEN MODEL RM (PR-11) ELECTRICAL PENETRATION DGO-5 Various	I.A	NONE	Qualified.
137	D. G. O'BRIEN MODEL CRDP (PR7) ELECTRICAL PENETRATION DGO-3 Various	I.A	NONE	Qualified.
138	D. G. O'BRIEN MODEL MVP (PR110) ELECTRICAL PENETRATION DGO-1 Various	I.A	NONE	Qualified.
139	D. G. O'BRIEN MODEL NIS (PR2) ELECTRICAL PENETRATION DGO-4 Various	I.A	NONE	Qualified.
140	D. G. O'BRIEN MODEL LVP (PR12) ELECTRICAL PENETRATION DGO-2 Various	I.A	NONE	Qualified.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
141	GENERAL ELECTRIC MODEL EB5/EB25 TERMINAL BLOCK	I.A	NONE	
	GEN-2 Various			Qualified.
142	CONAX MODEL S111 ELECTRICAL PENETRATION	IV		
	CON-1 Electrical Connection			Qualified. Refer to Note 4.
	CON-2 Electrical Connection			Qualified. Refer to Note 4.
	CON-3 Electrical Connection			Qualified. Refer to Note 4.
	CON-4 Electrical Connection			Qualified. Refer to Note 4.
	33662 Electrical Connections			Qualified. Refer to Note 4.
143	D. G. O'BRIEN MODEL R19P1010G05 ELECTRICAL PENETRATION TERMINAT	II.A	DOCUMENTATION	
	DGO-7 Instrument Signal Transmission			Qualified. Refer to Note 4.
	DGO-8 Instrument Signal Transmission			Qualified. Refer to Note 4.
	33663 Electrical Connections			Qualified. Refer to Note 4.
144	GENERAL ELECTRIC MODEL EB5/EB25 TERMINAL BLOCK	IV		
	GEN-3 Various			Qualified. Test Documentation Available.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
145	LABARGE MODEL MILW813811214 ELECTRICAL CABLE, POWER LABARGE-1 Power Feeds	II.A	DOCUMENTATION	Qualified. Refer to Note 4.
146	OKONITE MODEL OKOLON ELECTRICAL CABLE, POWER OKO-3 Power Feeds	II.A	DOCUMENTATION	Qualified.
147	OKONITE MODEL OKOLON ELECTRICAL CABLE, CONTROL OKO-4 Control Signals	II.A	DOCUMENTATION	Qualified.
148	ALPHA MODEL 5515 ELECTRICAL CABLE, INSTRUMENT ALP-1 Instrument Signal Transmission	II.A	DOCUMENTATION	Qualified. Refer to Note 4.
149	AMPHENOL MODEL HN50004261005 ELECTRICAL CONNECTOR AMP-1 Instrument Signal Transmission	II.A	DOCUMENTATION	Qualified. Refer to Note 4.
150	BELDEN MODEL 8282 ELECTRICAL CABLE, INSTRUMENT BEL-1 Instrument Signal Transmission	II.A	DOCUMENTATION	Not Installed. Removed from Plant Site.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
151	BRAND-REX MODEL HYPALON ELECTRICAL CABLE, INSTRUMENT BREX-1 Instrument Signal Transmission	IV		Qualified.
152	CHEVRON MODEL BRB2/SRI2 LUBRICANT CHE-1 Fan Motors	I.A	NONE	Qualified.
153	NEBULA MODEL E550EP1 LUBRICANT MOV's Limitorque Gears Motor Bearing NEB-1 Limitorque Gears Motor Bearing	I.A	NONE	Qualified. Qualified.
154	GENERAL ELECTRIC MODEL 7700 SERIES MOTOR CONTROL CENTER 1E-0337 Motor Control Center Power Distribution	I.B	DOCUMENTATION	Not in scope of rule: Relocated to mild environment.
155	BARNES MODEL FIELD FABRICATED PANEL, I&C 1E-0562 Control Room Vent Panel	III.B		Qualified. Refer to Note 2.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
156	CLARK MODEL PM5042/502 RELAY 1-144-42A-A SV EXC Fan 1B 1-602-42A-A CRDM Room Fan Coil 1B	I.B	DOCUMENTATION	Not in scope of rule: Relocated to mild environment. Not in scope of rule: Relocated to mild environment.
157	WESTINGHOUSE MODEL CT2 CONTROL SWITCH	I.B	DOCUMENTATION	
19493	RHR Pump 1A Pit CV ES			Not in scope of rule: Relocated to mild environment.
19494	RHR Pump 1B Pit CV ES			Not in scope of rule: Relocated to mild environment.
19530	RHR Pump Pit Fan Coil Unit 1A			Not in scope of rule: Relocated to mild environment.
19531	RHR Pump Pit Fan Coil Unit 1B			Not in scope of rule: Relocated to mild environment.
19556	RHR Pump Pit Sump Pump 1A ES			Not in scope of rule: Relocated to mild environment.
19557	RHR Pump Pit Sump Pump 1B ES			Not in scope of rule: Relocated to mild environment.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
158	WESTINGHOUSE MODEL CT2B1A PUSH BUTTON SWITCH	III.A		
71012	Main Steam Header 1A Isolation Valve Train B Test Trip PB			Not in scope of rule.
71039	Main Steam Header 1B Isolation Valve Train A Test Trip PB			Not in scope of rule.
71040	Main Steam Header 1B Isolation Valve Train B Test Trip PB			Not in scope of rule.
159	WESTINGHOUSE MODEL PB1XPC INDICATING LIGHT	II.A	DOCUMENTATION	
1962301	Indication			Not in scope of rule: Relocation to mild environment scheduled, 1984 Refueling.
1962401	Indication			Not in scope of rule: Relocation to mild environment scheduled, 1984 Refueling.
160	WESTINGHOUSE MODEL PB1 ELECTRICAL SWITCH	II.A	DOCUMENTATION	
19623	Electric Switch			Not in scope of rule: Relocation to mild environment scheduled, 1984 Refueling.
19624	Electric Switch			Not in scope of rule: Relocation to mild environment scheduled, 1984 Refueling.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
161	PENN MODEL P70LB6 PRESSURE SWITCH	II.A	DOCUMENTATION	
16195	Switch			Not in scope of rule: Discovered by field verification to be located in a mild environment.
16196	Switch			Not in scope of rule: Discovered by field verification to be located in a mild environment.
162	EBERLINE MODEL CT1 RADIATION MONITOR	II.A	DOCUMENTATION	
8103201	Indication			Qualified. Refer to Note 4.
163	EBERLINE MODEL DAM4 PANEL, I&C	II.A	DOCUMENTATION	
8102701	Information Collector/Transmitter			Qualified. Refer to Note 4.
8102801	Information Collector/Transmitter			Qualified. Refer to Note 4.
164	EBERLINE MODEL CL11 ELECTRICAL CONNECTOR	II.A	DOCUMENTATION	
8102802	Coupler			Qualified. Refer to Note 4.
8102803	Coupler			Qualified. Refer to Note 4.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
165	EBERLINE MODEL CL11 ELECTRICAL CONNECTOR	II.A	DOCUMENTATION	
8102502	Coupler			Qualified. Refer to Note 4.
8102503	Coupler			Qualified. Refer to Note 4.
8102702	Coupler			Qualified. Refer to Note 4.
8102703	Coupler			Qualified. Refer to Note 4.
166	ENDEVCO MODEL 2273AM20 FLOW ELEMENT	II.A	DOCUMENTATION	
27096	Flow Indication			Qualified. Refer to Note 4.
27097	Flow Indication			Qualified. Refer to Note 4.
27098	Flow Indication			Qualified. Refer to Note 4.
27099	Flow Indication			Qualified. Refer to Note 4.
167	ENDEVCO MODEL 3075M6240 ELECTRICAL CABLE INSTRUMENT	II.A	DOCUMENTATION	
END-1	Instrument Signal Transmission			Qualified. Refer to Note 4.
END-2	Instrument Signal Transmission			Qualified. Refer to Note 4.
END-3	Instrument Signal Transmission			Qualified. Refer to Note 4.

<u>FRC ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>NRC CATEGORY</u>	<u>DEFICIENCY</u>	<u>RESOLUTION</u>
168	UNHOLTZ-DICKIE MODEL 22CA2TR FLOW TRANSMITTER	II.A	DOCUMENTATION	
23079	Signal Transmitter			Qualified. Refer to Note 4.
23080	Signal Transmitter			Qualified. Refer to Note 4.
23081	Signal Transmitter			Qualified. Refer to Note 4.
23082	Signal Transmitter			Qualified. Refer to Note 4.
169	GENERAL ATOMIC MODEL RD23 RADIATION MONITOR	II.A	DOCUMENTATION	
2906401	Radiation Element			Qualified. Refer to Note 4.
2906501	Radiation Element			Qualified. Refer to Note 4.
170	NAMCO MODEL D2400X LIMIT SWITCH	IV		
31335	Containment Isolation S/G 1A Sampling Stop CV			Qualified. Refer to Note 3.
171	NAMCO MODEL D2400X2 POSITION SWITCH	IV		
31309	Instrument Air Containment Isolation CV			Qualified. Refer to Note 3.
172	ASCO MODEL LB831654 SOLENOID VALVE	I.B	DOCUMENTATION	
33192	Accumulators 1A/1B Nitrogen Supply Containment Isolation			Qualified. Refer to Note 2.

* * * * * ENCLOSURE 1 * * * * *

N O T E S

NOTE 1: Limatorque Corporation was contracted to review their shop orders for Wisconsin Public Service Corporation (WPSC) and to assemble documentation which resolved the TER deficiencies. As part of this effort, WPSC inspected internal components of some operators. The inspection lead to the replacement of some internal components. The final documentation assembled by Limatorque was reviewed by an independent consultant, NUS Corporation. This additional documentation, inspection, replacement, and independent review have resolved the TER deficiencies.

NOTE 2: This equipment was qualified by an operations analysis which considered the following factors:

- 1) It fulfills its safety-related function prior to being exposed to a harsh environment, and
- 2) It is not required to change position or state after exposure to a harsh environment, and
- 3) Failure after exposure to a harsh environment would not cause it to change position, and
- 4) Failure after exposure to a harsh environment would not mislead the operator, and
- 5) Failure after exposure to a harsh environment would not adversely affect other safety-related equipment.

NOTE 3: For limit switches whose only harsh environment is radiation, a materials analysis was performed. The value found in the literature for radiation damage threshold for the most limiting component is greater than KNPP Total Integrated Dose.

NOTE 4: WPSC has qualified all "Installed TMI Action Items" as required by Supplement 3 to IE Bulletin 79-01B. However, not all of this equipment falls within the scope of the rule. WPSC has committed to maintain all "Installed TMI Action Items" qualified but has only included that equipment which falls within the scope of the rule on the Master List at this time. WPSC is continuing to conduct a review of equipment described by 10 CFR 50.49(b)(3) in accordance with our response to Generic Letter 82-33, Supplement 1 to NUREG 0737 - "Requirements for Emergency Response Capability," Reference 8. The NRC has approved this methodology in Reference 5. As this effort is completed, equipment considered by WPSC to be classified as Regulatory Guide 1.97, Rev. 2, Category I or II will be fully qualified in accordance with 10 CFR 50.49 and added to the Master List as required.

ENCLOSURE 2

to

Letter to Mr. S. A. Varga of the NRC from Mr. C. W. Giesler of WPSC,

dated March 16, 1984

MASTER LIST

of

ENVIRONMENTALLY QUALIFIED ELECTRICAL EQUIPMENT

IMPORTANT TO SAFETY AT KEWAUNEE NUCLEAR

POWER PLANT

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
LIMITORQUE	SMB-00	32066	1	Qualified
LIMITORQUE	SMB-00	32067	1	Qualified
LIMITORQUE	SMB-00	32104	1	Qualified
LIMITORQUE	SMB-00	32105	1	Qualified
LIMITORQUE	SMB-00	32106	1	Qualified
LIMITORQUE	SMB-00	32107	1	Qualified
LIMITORQUE	SMB-00	32108	1	Qualified
LIMITORQUE	SMB-0	32109	1	Qualified
LIMITORQUE	SMB-0	32110	1	Qualified
LIMITORQUE	SMB-00	32134	1	Qualified
LIMITORQUE	SMB-000	32135	1	Qualified
LIMITORQUE	SMB-00	32131	1, 5	Qualified
LIMITORQUE	SMB-000	32060	2	Qualified
LIMITORQUE	SMB-1-40	32102	2	Qualified
LIMITORQUE	SMB-1-40	32103	2	Qualified
LIMITORQUE	SMB-1-40	32113	2	Qualified
LIMITORQUE	SMB-000	32061	2, 16	Qualified
LIMITORQUE	SMB-000	32145	3	Qualified
LIMITORQUE	SMB-000	32146	3	Qualified
LIMITORQUE	SMB-0	32111	4, 20	Qualified
LIMITORQUE	SMB-0	32112	4, 20	Qualified
LIMITORQUE	SMB-00	32068	5	Qualified
LIMITORQUE	SMB-00	32069	5	Qualified
LIMITORQUE	SMB-00	32130	5	Qualified
LIMITORQUE	SMB-000	32077	6	Qualified
LIMITORQUE	SMB-000	32079	6	Qualified
LIMITORQUE	SMB-0	32115	7	Qualified
LIMITORQUE	SMB-00	32125	7	Qualified
LIMITORQUE	SMB-00	32126	7	Qualified
LIMITORQUE	SMB-2	32016	8	Qualified
LIMITORQUE	SMB-00	32092	9	Qualified
LIMITORQUE	SMB-00	32093	9	Qualified
LIMITORQUE	SMB-000	32082	10	Qualified
LIMITORQUE	SMB-000	32084	10	Qualified
LIMITORQUE	SMB-000	32085	10	Qualified
LIMITORQUE	SMB-000	32086	10	Qualified
LIMITORQUE	SMB-000	32087	10	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
LIMITORQUE	SMB-000	32119	11	Qualified
LIMITORQUE	SMB-000	32120	11	Qualified
LIMITORQUE	SMB-00	32390	12	Qualified
LIMITORQUE	SMB-00	32391	12	Qualified
LIMITORQUE	SMB-00	32089	13	Qualified
LIMITORQUE	SMB-00	32090	13	Qualified
LIMITORQUE	SMB-00	32097	14	Qualified
LIMITORQUE	SMB-00	32098	14	Qualified
LIMITORQUE	SMB-1	32100	14	Qualified
LIMITORQUE	SMB-1	32101	14	Qualified
LIMITORQUE	SMB-000	32147	15	Qualified
LIMITORQUE	SMB-000	32148	15	Qualified
LIMITORQUE	SMB-000	32058	16, 21	Qualified
LIMITORQUE	SMB-000	32078	17, 19	Qualified
LIMITORQUE	SMB-000	32080	17, 19	Qualified
LIMITORQUE	SMB-00	32124	18	Qualified
LIMITORQUE	SMB-00	32094	20	Qualified
LIMITORQUE	SMB-000	32059	21	Qualified
LIMITORQUE	SMB-2	32015	22	Qualified
LIMITORQUE	SMB-1-40	32114	23	Qualified
LIMITORQUE	SMB-00	32095	24	Qualified
LIMITORQUE	SMB-000	32039	25	Qualified
LIMITORQUE	SMB-000	32038	26	Qualified
NAMCO	EA 740-20100	3112301	27	Qualified
NAMCO	EA 740-20100	3112501	27	Qualified
NAMCO	EA 740-20100	3112502	27	Qualified
NAMCO	EA 740-20100	3112302	27	Qualified
NAMCO	EA 740-20100	3112401	28	Qualified
NAMCO	EA 740-20100	3112601	28	Qualified
NAMCO	EA 740-20100	3112602	28	Qualified
NAMCO	EA 740-20100	3112402	28	Qualified
NAMCO	EA 180-31302	3401001	29	Qualified
NAMCO	EA 180-31302	3401301	29	Qualified
NAMCO	EA 180-32302	3401002	29	Qualified
NAMCO	EA 180-32302	3401302	29	Qualified
NAMCO	EA-180-31302	3401402	29	Qualified
NAMCO	EA-180-31302	3401502	29	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
ALLEN BRADLEY	802T-AT	3238201	30	Qualified
ALLEN BRADLEY	802T-AT	3238202	30	Qualified
ALLEN BRADLEY	802T-AT	3238301	30	Qualified
ALLEN BRADLEY	802T-AT	3238302	30	Qualified
ALLEN BRADLEY	802T-AT	3238402	30	Qualified
ALLEN BRADLEY	802T-AT	3238501	30	Qualified
ALLEN BRADLEY	802T-AT	3238502	30	Qualified
ALLEN BRADLEY	802T-AT	3238601	30	Qualified
ALLEN BRADLEY	802T-AT	3238602	30	Qualified
ALLEN BRADLEY	802T-AT	3238702	30	Qualified
ALLEN BRADLEY	802T-AT	3400601	30	Qualified
ALLEN BRADLEY	802T-AT	3400602	30	Qualified
ALLEN BRADLEY	802T-AT	3403301	30	Qualified
ALLEN BRADLEY	802T-AT	3403302	30	Qualified
ALLEN BRADLEY	802T-AT	3238701	30	Qualified
ALLEN BRADLEY	802T-AT	3238401	30	Qualified
ALLEN BRADLEY	802T-AT	3403902	31	Qualified
ALLEN BRADLEY	802T-AT	3404002	31	Qualified
ALLEN BRADLEY	802T-AT	3403901	31	Qualified
ALLEN BRADLEY	802T-AT	3404001	31	Qualified
NAMCO	EA 740-20100	3133701	32	Qualified
NAMCO	EA 740-20100	3133801	32	Qualified
NAMCO	EA 740-20100	3133702	32	Qualified
NAMCO	EA 740-20100	3133802	32	Qualified
NAMCO	EA-180-31302	3123402	33	Qualified
NAMCO	EA-180-32302	3123401	33	Qualified
NAMCO	D-2400X	3113201	34	Qualified
NAMCO	D-2400X	3113301	34	Qualified
NAMCO	D-2400X	3113401	34	Qualified
NAMCO	D-2400X	3113501	34	Qualified
NAMCO	D-2400X	3113601	34	Qualified
NAMCO	D-2400X	3113701	34	Qualified
NAMCO	D-2400X	3121601	34	Qualified
NAMCO	D-2400X	3121701	34	Qualified
NAMCO	D-2400X	3125901	34	Qualified
NAMCO	D-2400X	3126001	34	Qualified
NAMCO	D-2400X	3126101	34	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
NAMCO	D-2400X	3126701	34	Qualified
NAMCO	D-2400X	3126702	34	Qualified
NAMCO	D-2400X	3126801	34	Qualified
NAMCO	D-2400X	3126802	34	Qualified
NAMCO	D-2400X	3127101	34	Qualified
NAMCO	D-2400X	3138301	34	Qualified
NAMCO	D-2400X	3138302	34	Qualified
NAMCO	D-2400X	3138401	34	Qualified
NAMCO	D-2400X	3138402	34	Qualified
NAMCO	D-2400X	3138501	34	Qualified
NAMCO	D-2400X	3138502	34	Qualified
NAMCO	D-2400X	3139302	34	Qualified
NAMCO	D-2400X	3139301	34	Qualified
NAMCO	D-2400X	3127102	34	Qualified
NAMCO	D-2400X	3125902	34	Qualified
NAMCO	D-2400X	3126002	34	Qualified
NAMCO	D-2400X	3126102	34	Qualified
NAMCO	D-2400X	3121602	34	Qualified
NAMCO	D-2400X	3121702	34	Qualified
NAMCO	D-2400X	3113202	34	Qualified
NAMCO	D-2400X	3113302	34	Qualified
NAMCO	D-2400X	3113402	34	Qualified
NAMCO	D-2400X	3113502	34	Qualified
NAMCO	D-2400X	3113602	34	Qualified
NAMCO	D-2400X	3113702	34	Qualified
NAMCO	D-2400X	3133502	34, 107	Qualified
NAMCO	D-2400X	3133501	34, 170	Qualified
VALCOR	V526-5295-33	33327	34, 44, 47	Qualified
NAMCO	EA 180	3123102	35	Qualified
NAMCO	EA 180	3123202	35	Qualified
NAMCO	EA 180	3123302	35	Qualified
NAMCO	EA-180	3123101	35	Qualified
NAMCO	EA-180	3123201	35	Qualified
NAMCO	EA-180	3123301	35	Qualified
NAMCO	EA-180	3126301	35	Qualified
NAMCO	EA-180	3126302	35	Qualified
NAMCO	EA-180	3126401	35	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
NAMCO	EA-180	3126402	35	Qualified
NAMCO	EA-180	3127001	35	Qualified
NAMCO	EA-180	3133401	35	Qualified
NAMCO	EA-180	3133402	35	Qualified
NAMCO	EA-180	3127002	35	Qualified
NAMCO	D-2400X	3125301	36	Qualified
NAMCO	D-2400X	3125302	36	Qualified
NAMCO	EA 170-12100 & 11100	3101501	37	Qualified
NAMCO	EA 170-12100 & 11100	3101502	37	Qualified
NAMCO	EA 170-12100 & 11100	3101601	38	Qualified
NAMCO	EA 170-12100 & 11100	3101602	38	Qualified
NAMCO	D-2400X	3139401	39	Qualified
NAMCO	D-2400X	3139402	39	Qualified
NAMCO	EA 170	3166701	41	Qualified
NAMCO	EA 170	3166702	41	Qualified
NAMCO	EA 170	3167901	41	Qualified
NAMCO	EA 170	3167902	41	Qualified
NAMCO	EA 170	3168201	41	Qualified
NAMCO	EA 170	3168202	41	Qualified
NAMCO	EA 170	3168301	41	Qualified
NAMCO	EA 170	3168302	41	Qualified
NAMCO	EA 170	3168401	41	Qualified
NAMCO	EA 170	3168402	41	Qualified
NAMCO	EA 170	3168501	41	Qualified
NAMCO	EA 170	3168502	41	Qualified
NAMCO	EA 180	3168801	42	Qualified
NAMCO	EA 180	3168802	42	Qualified
NAMCO	EA 180	3168901	42	Qualified
NAMCO	EA 180	3168902	42	Qualified
VALCOR	V526-5871-1	33654	44	Qualified
VALCOR	V526-5871-1	33656	44	Qualified
VALCOR	V526-5871-1	33657	44	Qualified
VALCOR	V526-5871-1	33664	44	Qualified
VALCOR	V526-5871-1	33665	44	Qualified
VALCOR	V526-6410-1	33649	44	Qualified
VALCOR	V526-6410-1	33650	44	Qualified
VALCOR	V526-6600-1	33684	44	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
VALCOR	V526-6600-1	33685	44	Qualified
VALCOR	V526-5950-8	33655	45	Qualified
VALCOR	V526-5295-34	33092	45, 46	Qualified
JOHNSON	V-24	3343301	49	Qualified
JOHNSON	V-24	3343302	49	Qualified
JOHNSON	V-24	33452	49	Qualified
JOHNSON	V-24	33453	49	Qualified
JOHNSON	V-24	33289	50	Qualified
JOHNSON	V-24	33290	50	Qualified
JOHNSON	V-24	33259	51	Qualified
JOHNSON	V-24	33328	51	Qualified
JOHNSON	V-24	33329	51	Qualified
JOHNSON	V-24	33366	51	Qualified
JOHNSON	V-24	3326201	52	Qualified
JOHNSON	V-24	3326202	52	Qualified
JOHNSON	V-24	33267	52	Qualified
ASCO	NP8320A176E	33256	53	Qualified
JOHNSON	V-24	33252	53	Qualified
JOHNSON	V-24	33254	53	Qualified
JOHNSON	V-24	33255	53	Qualified
JOHNSON	V-24	33257	53	Qualified
JOHNSON	V-24	3326801	53	Qualified
JOHNSON	V-24	3326802	53	Qualified
JOHNSON	V-24	33271	53	Qualified
ASCO	HTX8302C26F	33248	55	Qualified
ASCO	831654	33193	56	Qualified
ASCO	8316B54	33030	57	Qualified
ASCO	8302C26RF	33016	58	Qualified
ASCO	FT8320A101	33244	59	Qualified
ASCO	FT8320A101	33245	59	Qualified
ASCO	8302C26F	33387	59	Qualified
ASCO	HTX8302C26F	33378	60	Qualified
ASCO	HTX8302C26F	33379	60	Qualified
ASCO	8302C4	33422	62	Qualified
ASCO	8302C4	33418	64	Qualified
ASCO	8302C4	33421	64	Qualified
ASCO	8302C4	33425	64	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
ASCO	8302C4	33426	64	Qualified
ASCO	8302C4F	33428	64	Qualified
ASCO	LB 83146	33024	65	Qualified
ASCO	LB 83146	33120	65	Qualified
ASCO	LB 83146	33143	65	Qualified
ASCO	LB 83146	33145	65	Qualified
ASCO	LB 83146	33146	65	Qualified
ASCO	LB 83146	33159	65	Qualified
ASCO	LB 831654	33072	65	Qualified
ASCO	LB-83146	33093	65	Qualified
ASCO	LB-83146	33137	65	Qualified
ASCO	LB-83146	33170	65	Qualified
ASCO	LB83146	33017	65	Qualified
ASCO	8302C4	33158	66	Qualified
ASCO	8316B54	33274	66	Qualified
ASCO	831654	33199	66	Qualified
ASCO	831654	33200	66	Qualified
ASCO	831654	33201	66	Qualified
ASCO	WP-8015B31	33181	67	Qualified
ASCO	WP-8015B31	33183	67	Qualified
ASCO	WP-8015C21	33177	67	Qualified
ASCO	WP-8015C21	33185	67	Qualified
ASCO	HTX8302C26F	33326	68	Qualified
ASCO	8302C26	33325	68	Qualified
ASCO	8302C26F	33385	68	Qualified
ASCO	8302C26F	33386	68	Qualified
ASCO	LB8300B61RU	33074	69	Qualified
ASCO	LB8300B61RU	33075	69	Qualified
ASCO	LB8300C58RU	33080	69	Qualified
ASCO	LB8300C58RU	33081	69	Qualified
ASCO	LB8300B61RU	33077	70	Qualified
ASCO	LB8300B61RU	33078	70	Qualified
ASCO	LB8300C58RU	33082	70	Qualified
ASCO	LB8300C58RU	33083	70	Qualified
ASCO	8211C32B	33303	71	Qualified
ASCO	8211C32B	33304	71	Qualified
ASCO	WP-8015B31	33182	72	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
ASCO	WP-8015B31	33184	72	Qualified
ASCO	WP-8015C21	33178	72	Qualified
ASCO	WP-8015D21	33186	72	Qualified
ASCO	8320A185	33710	73	Qualified
ASCO	JVA212-631-4RU	33716	74	Qualified
ASCO	JVA212-631-4RU	33718	74	Qualified
ASCO	NP831655E	33717	75	Qualified
ASCO	NP831655E	33719	75	Qualified
TARGET ROCK	808-001	33658	76	Qualified
TARGET ROCK	808-001	33659	76	Qualified
TARGET ROCK	808-001	33660	76	Qualified
TARGET ROCK	808-001	33661	76	Qualified
TARGET ROCK	808-001	33662	76	Qualified
TARGET ROCK	808-001	33663	76	Qualified
VALCOR	V573-5231-3	33652	77	Qualified
VALCOR	V573-5231-3	33653	77	Qualified
MAGNETROL	B730	16721	80	Qualified
MAGNETROL	B730	16722	80	Qualified
MAGNETROL	B730	16723	80	Qualified
MAGNETROL	B730	16724	80	Qualified
MAGNETROL	B730	16725	80	Qualified
GEMS TLI	XM-54853	2407002	83	Qualified
TRANSAMERICA				
GEMS TLI	XM-54853	2407003	83	Qualified
TRANSAMERICA				
GEMS TLI	XM-54853	2407102	83	Qualified
TRANSAMERICA				
GEMS TLI	XM-54853	2407103	83	Qualified
TRANSAMERICA				
GEMS TLI	XM-54852	2407001	84	Qualified
TRANSAMERICA				
GEMS TLI	XM-54852	2407101	84	Qualified
TRANSAMERICA				
BARTON	288A	16427	86	Qualified
BARTON	288A	16428	86	Qualified
BARTON	289A	16416	87	Qualified
BARTON	289A	16417	87	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
FOX BORO	N-E11DM-HIBI-AE	21100	88	Qualified
FOX BORO	N-E11DM-HIBI-AE	21101	88	Qualified
FOX BORO	N-E11DM-HIBI-AE	21117	88	Qualified
FOX BORO	N-E11DM-HIBI-AE	21118	88	Qualified
FOX BORO	N-E11DM-HIBI-AE	21119	88	Qualified
BARTON	386/351	24030	89	Replacement scheduled, 1984
BARTON	386/351	24031	89	Replacement scheduled, 1984
BARTON	386/351	24032	89	Replacement scheduled, 1984
ROSEMOUNT	1153DD6	23001	90	Qualified
ROSEMOUNT	1153DD6	23002	90	Qualified
ROSEMOUNT	1153DD6	23005	90	Qualified
ROSEMOUNT	1153DD6	23007	90	Qualified
FOX BORO	N-E11DM-HIBI-AE	21102	91	Qualified
BARTON	384	24029	92	Replacement scheduled, 1984
BARTON	332	24062	93	Qualified
FOX BORO	N-E11GM-HID1-E	21084	94	Qualified
FOX BORO	N-E11GM-HID1-E	21085	94	Qualified
FOX BORO	N-E11GM-HID1-E	21114	94	Qualified
FOX BORO	N-E11GM-HID1-E	21115	94	Qualified
FOX BORO	N-E11GH-HIM2-E	21038	95	Qualified
FOX BORO	N-E11GH-HIM2-E	21077	95	Qualified
FOX BORO	N-E11GM-HIE1-E	21079	96	Qualified
FOX BORO	N-E11GM-HIE1-E	21080	96	Qualified
FOX BORO	N-E11GM-HIE1-E	21081	96	Qualified
FOX BORO	N-E11GM-HIE1-E	21082	96	Qualified
FOX BORO	N-E13DH-HIM1-E	24042	97	Qualified
FOX BORO	N-E13DH-HIM1-E	24043	97	Qualified
FOX BORO	N-E13DH-HIM1-E	24044	97	Qualified
FOX BORO	N-E13DH-HIM1-E	24046	97	Qualified
FOX BORO	N-E13DH-HIM1-E	24047	97	Qualified
FOX BORO	N-E13DH-HIM1-E	24048	97	Qualified
FOX BORO	N-E11GM-HIE1-E	21094	98	Qualified
FOX BORO	N-E11GM-HIE1-E	21095	98	Qualified
FOX BORO	N-E11GM-HIE1-E	21097	98	Qualified
FOX BORO	N-E11GM-HIE1-E	21098	98	Qualified
FOX BORO	N-E11GM-HIE1-E	21099	98	Qualified
FOX BORO	N-E11GM-HIB1-E	24040	99	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
FOX BORO	N-E11GM-HIE1-E	21096	100	Qualified
FOX BORO	N-E13DM-HIH1-E	23030	101	Qualified
FOX BORO	N-E11GM-HIA1-E	24067	102	Qualified
TEXAS INSTRUMENTS	6786-38-5	16363	105	Qualified
TEXAS INSTRUMENTS	6786-38-5	16369	105	Qualified
TEXAS INSTRUMENTS	6786-38-5	16361	106	Qualified
TEXAS INSTRUMENTS	6786-38-5	16371	106	Qualified
TEXAS INSTRUMENTS	6786-38-5	16362	107	Qualified
TEXAS INSTRUMENTS	6786-38-5	16370	107	Qualified
TEXAS INSTRUMENTS	6786-38-5	16364	108	Qualified
TEXAS INSTRUMENTS	6786-38-5	16372	108	Qualified
FENWAL	18000-0	1639801 (Fen-1)	109	Qualified
FENWAL	18000-0	1639802 (Fen-2)	109	Qualified
FENWAL	18000-0	1639901 (Fen-3)	109	Qualified
FENWAL	18000-0	1639902 (Fen-4)	109	Qualified
SOSTMAN	11834B1	15061	110	Qualified
SOSTMAN	11834B1	15062	110	Qualified
SOSTMAN	11834B1	15066	110	Qualified
SOSTMAN	11834B1	15067	110	Qualified
SOSTMAN	11834B1	15071	110	Qualified
SOSTMAN	11834B1	15072	110	Qualified
SOSTMAN	11834B1	15076	110	Qualified
SOSTMAN	11834B1	15077	110	Qualified
FOX BORO	RDF STANDARD	15264	111	Qualified
FOX BORO	RDF STANDARD	15273	111	Qualified
FOX BORO	RDF STANDARD	15279	111	Qualified
ALLIS CHALMERS	445TS	1-107	115	Qualified
ALLIS CHALMERS	445TS	1-148	115	Qualified
RELIANCE	TYPE N	1-120	116	Qualified
RELIANCE	TYPE N	1-121	116	Qualified
RELIANCE	TYPE N	1-156	116	Qualified
RELIANCE	TYPE N	1-157	116	Qualified
RELIANCE	TYPE N	1-583	116	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
RELIANCE	TYPE N	1-584	116	Qualified
RELIANCE	284-T	1-126	117	Qualified
RELIANCE	284-T	1-127	117	Qualified
RELIANCE	284-T	1-145	117	Qualified
RELIANCE	284-T	1-144	118	Qualified
ROTRON	1505JH	1-115	119	Qualified
ROTRON	1505JH	1-147	119	Qualified
RELIANCE	SPECIAL	1-298	120	Qualified
RELIANCE	SPECIAL	1-299	120	Qualified
WESTINGHOUSE	5809-H	1-027	121	Qualified
WESTINGHOUSE	5809-H	1-020	121	Qualified
WESTINGHOUSE	ABDP	1-025	122	Qualified
WESTINGHOUSE	ABDP	1-032	122	Qualified
JOHNSON	D-3200	32376	123	Replacement scheduled, 1984
JOHNSON	D-3200	32377	123	Replacement scheduled, 1984
JOHNSON	D-3200	32378	123	Replacement scheduled, 1984
JOHNSON	D-3200	32379	123	Replacement scheduled, 1984
JOHNSON	D-3200	32380	123	Replacement scheduled, 1984
JOHNSON	M81ACA-3	32382	124	Qualified
JOHNSON	M81ACA-3	32383	124	Qualified
JOHNSON	M81ACA-3	32384	124	Qualified
JOHNSON	M81ACA-3	32385	124	Qualified
JOHNSON	M81ACA-3	32386	124	Qualified
JOHNSON	M81ACA-3	32387	124	Qualified
CONAX	N-11001-31 N-21031	3123110	127	Qualified
CONAX	N-11001-31 N-21031	3123111	127	Qualified
CONAX	N-11001-31 N-21031	3123210	127	Qualified
CONAX	N-11001-31 N-21031	3123211	127	Qualified
CONAX	N-11001-31 N-21031	3123310	127	Qualified
CONAX	N-11001-31 N-21031	3123311	127	Qualified
CONAX	N-11001-31 N-21031	3126310	127	Qualified
CONAX	N-11001-31 N-21031	3126311	127	Qualified
CONAX	N-11001-31 N-21031	3126410	127	Qualified
CONAX	N-11001-31 N-21031	3126411	127	Qualified
CONAX	N-11001-31 N-21031	3127010	127	Qualified
CONAX	N-11001-31 N-21031	3127011	127	Qualified
CONAX	N-11001-31 N-21031	3133410	127	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
CONAX	N-11001-31 N-21031	3133411	127	Qualified
CONAX	N-11006-35	2300110	127	Qualified
CONAX	N-11006-35	2300210	127	Qualified
CONAX	N-11006-35	2300510	127	Qualified
CONAX	N-11006-35	2300710	127	Qualified
CONAX	N-11006-45	3112410	127	Qualified
CONAX	N-11006-45	3112411	127	Qualified
CONAX	N-11006-45	3112610	127	Qualified
CONAX	N-11006-45	3112611	127	Qualified
CONAX	SA11	3365810	127	Qualified
CONAX	SA11	3365910	127	Qualified
CONAX	SA11	3366010	127	Qualified
CONAX	SA11	3366110	127	Qualified
OKONITE	OKOZEL (TEFZEL)	OKO-5	128	Qualified
OKONITE	OKOZEL (TEFZEL)	OKO-6	128	Qualified
KERITE	FR INSUL/HTK INSUL	KER-1	129	Qualified
KERITE	SEE NOTE A	KER-2	130	Qualified
BOSTON INSULATE WIRE	BOSTRAD 7	BIW-1	131	Qualified
OKONITE	OKONITE-OKOPRENE	OKO-1	132	Qualified
OKONITE	T-95	OKO-2	133	Qualified
CHROMALOX		1-238	134	Qualified
CHROMALOX		1-239	134	Qualified
CHROMALOX		1-449	134	Qualified
CHROMALOX		1-450	134	Qualified
D. G. O'BRIEN	I&C (PR-8)	DGO-6	135	Qualified
D. G. O'BRIEN	SEE OTHER SHEETS FOR THIS MANUFACTURER	1E-0564	135-140	Qualified
D. G. O'BRIEN	RM (PR-11)	DGO-5	136	Qualified
D. G. O'BRIEN	CRDP (PR-7)	DGO-3	137	Qualified
D. G. O'BRIEN	MVP (PB-110)	DGO-1	138	Qualified
D. G. O'BRIEN	NIS (PR-2)	DGO-4	139	Qualified
D. G. O'BRIEN	LVP (PR-12)	DGO-2	140	Qualified
GENERAL ELECTRIC	EB5, EB25	GEN-2	141	Qualified
GENERAL ELECTRIC	EB5 & EB25	GEN-3	144	Qualified
OKONITE	OKOLON JACKET	OKO-3	146	Qualified
OKONITE	OKOLON JACKET	OKO-4	147	Qualified
BRAND REX	HYPALON JACKET	BREX-1	151	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
CHEVRON	BRB-2 SRI-2	G-7 (CHE-1)	152	Qualified
NEBULA	E550-EP-1	NEB-1 (MOV's)	153	Qualified
BARNES	BUILT PER SPEC	IE-0562	155	Qualified
WESTINGHOUSE	PB1XPC	1962301	159	Relocation scheduled, 1984
WESTINGHOUSE	PB1XPC	1962401	159	Relocation scheduled, 1984
WESTINGHOUSE	PB1	19623	160	Relocation scheduled, 1984
WESTINGHOUSE	PB1	19624	160	Relocation scheduled, 1984
NAMCO	D-2400X-2	3130901	171	Qualified
NAMCO	D-2400X-2	3130902	171	Qualified
ASCO	LB-831654	33192	172	Qualified
ASCO	8302C26	33291	None	Replacement scheduled, 1984
ASCO	8302C26	33292	None	Replacement scheduled, 1984
CRANE	GVHS-10K-12H-1S	1-869	None	Qualified
CRANE	GVHS-10K-12H-1S	1-870	None	Qualified
DWYER	3001	32375-1	None	Replacement scheduled, 1984
DWYER	3001	32377-1	None	Replacement scheduled, 1984
DWYER	3001	32378-1	None	Replacement scheduled, 1984
DWYER	3001	32380-1	None	Replacement scheduled, 1984
DWYER	3004	32376-1	None	Replacement scheduled, 1984
DWYER	3004	32379-1	None	Replacement scheduled, 1984
JOHNSON	D-3200	32375	None	Replacement scheduled, 1984
JOHNSON	PC-4000	32375-2	None	Replacement scheduled, 1984
JOHNSON	PC-4000	32376-2	None	Replacement scheduled, 1984
JOHNSON	PC-4000	32377-2	None	Replacement scheduled, 1984
JOHNSON	PC-4000	32378-2	None	Replacement scheduled, 1984
JOHNSON	PC-4000	32379-2	None	Replacement scheduled, 1984
JOHNSON	PC-4000	32380-2	None	Replacement scheduled, 1984
JOHNSON	TZ5000-2	32375-3	None	Replacement scheduled, 1984
JOHNSON	TZ5000-2	32376-3	None	Replacement scheduled, 1984
JOHNSON	TZ5000-2	32377-3	None	Replacement scheduled, 1984
JOHNSON	TZ5000-2	32378-3	None	Replacement scheduled, 1984
JOHNSON	TZ5000-2	32379-3	None	Replacement scheduled, 1984
JOHNSON	TZ5000-2	32380-3	None	Replacement scheduled, 1984
LIMITORQUE	SMB-00	32088	None	Qualified
OKONITE	202-11-2402	OKO-7	None	Qualified
ROCKBESTOS CO.	SIS	ROC-1	None	Qualified
SOSTMAN	11901B1	15123	None	Qualified

<u>MANUFACTURER</u>	<u>MODEL NUMBER</u>	<u>PLANT ID</u>	<u>FRC ITEM NO.</u>	<u>COMMENTS</u>
SOSTMAN	11901B1	15124	None	Qualified
SOSTMAN	11901B1	15125	None	Qualified
SOSTMAN	11901B1	15126	None	Qualified
VALCOR	V526-5871-1	33651	None	Qualified