



Nebraska Public Power District

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LQA8300146

May 20, 1983

Director of Nuclear Reactor Regulation
Attention: Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Reference: (1) 10CFR50.49 "Environmental Qualification of Electric Equipment Important to Safety for Nuclear Power Plants"
(2) Letter from D. B. Vassallo to J. M. Pilant dated April 8, 1983, "Clarification of Environmental Qualification Safety Evaluation"
(3) Letter from J. M. Pilant to D. B. Vassallo dated January 17, 1983, "Safety Evaluation for Environmental Qualification of Safety-Related Electrical Equipment"

Dear Mr. Vassallo:

Subject: Response to Final Rule on Environmental Qualification of Electrical Equipment
Cooper Nuclear Station
NRC Docket No. 50-298, DPR-46

The purpose of this letter is to respond to paragraph 10CFR50.49(g) of reference (1) and to the requests of reference (2).

Reference (1) requires each licensee to identify by May 20, 1983, the electric equipment important to safety within the guidelines set forth in the final rule already qualified and for the remainder, provide a schedule for qualification or replacement. Reference (2) provides further guidance in responding to the final rule.

The enclosure to this letter lists the electric equipment currently deemed important to safety within the scope of paragraphs 10CFR50.49(b)(1) and 10CFR50.49(b)(3). This list was developed using the various interim regulatory requirements and guidance prescribed over the past several years. The District is continuing to evaluate the development of this list in view of the recent guidance given in references (1) and (2). This review may result in future additions, deletions or modifications to the list.

Previous environmental qualification submittals to the interim requirements complied with paragraphs (a) and (b)(1) of 10CFR50.49 but did not specifically address the nonsafety-related equipment discussed in paragraph 10CFR50.49(b)(2) or the post-accident monitoring equipment stated in

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10CFR50.49(b)(3). However, by the nature of the methods used for the selection of the equipment to be placed on the list in the past, NPPD is confident that there are a number of items that would, using today's criteria, fit under Categories (b)(2) or (b)(3). The District intends to develop a program to identify nonsafety-related equipment covered by paragraph 10CFR50.49(b)(2) by August 1, 1983. Identification of the methods used to identify this equipment will be provided at approximately that time. The District believes that the results of this program should be available by approximately November 1, 1983. This corresponds to the time frame committed to by NPPD to identify those R.G. 1.97 items which the District will commit to installing or upgrading. This list should encompass all of the postaccident monitoring equipment described in 10CFR50.49(b)(3) and should thus accommodate this section of the Final Rule.

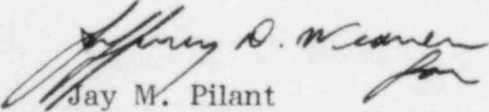
Reference (2) requested a review of all justification for continued operation (JCO's) for equipment which may not be qualified and in particular it requested resolution of Category II.b items of Cooper's TER. Previously submitted JCO's have been reviewed and are acceptable. No items were listed in Category II.b for Cooper Station in Franklin's TER.

Reference (2) also requested the District to review the proprietary nature of certain information identified in Cooper's TER. This review has been completed and it remains the District's opinion that the identified information still requires proprietary protection. Please refer to reference (3) which was the District's previous response to this question.

The recent issuance of reference (1) required a reevaluation of the District's environmental qualification efforts completed to date. As stated above, this evaluation is continuing. Accordingly, the District will be unable to complete final environmental qualification of the electrical equipment identified within the scope of reference (1) by the completion of the current spring 1983 outage (second refueling outage after March 31, 1982). The District intends, however, to meet the environmental qualification requirements of reference (1) by March 31, 1985.

Should you have any questions regarding this response, please do not hesitate to contact my office.

Sincerely,


Jay M. Pilant
Division Manager of Licensing &
Quality Assurance

JMP:emz24/3
Enclosure

Attachment to NPPD letter LQA8300146
J. M. Pilant to D. B. Vassallo,
dated May 20, 1983

NEBRASKA PUBLIC POWER DISTRICT

Cooper Nuclear Station Functional Assurance Program

Equipment Masterlist

May 20, 1983

A description of the acronyms used in this list:

CRD - Control Rod Drive
CS - Core Spray
EE - Electrical Equipment
HV - Heating & Ventilation
HPCI - High Pressure Coolant Injection
MS - Main Steam
NBI - Nuclear Boiler Instrumentation
PC - Primary Containment
RCIC - Reactor Core Isolation Cooling

REC - Reactor Equipment Cooling
RHR - Residual Heat Removal
RMA - Radiation Monitor (Area)
RMP - Process Radiation Monitor
RR - Reactor Recirculation
RW - Radwaste
RWCU - Reactor Water Clean-Up
SGT - Standby-Gas Treatment
SW - Service Water

Component Identification Code	Manufacturer	Model	Function	Location	Typ. Env. Rad.	Requirement 0.3.	Comments
CRD-SOV-5031A,B	ASCO	HVA-90-405-2A	SCRAM Disch Vol., Vent Drain	R-903-SE Valve	H 7,95E05	1b(H)	Qualified
CRD-SOV-5029	ASCO	WPLB831626	SCRAM Discharge Vol.	R-903-SE Test Isol.	H 7,95E05	1b(H)	Qualified
CRD-SOV-50140A,B	ASCO	WPLB831636	Back-up SCRAM Valve	R-903-SE	H 7,95E05	1b(H)	Qualified
CRD-SOV-50117(XI-XX)	ASCO	HVA-90-405-2A	SCRAM Valve	R-903	H 7,95E05	1b(H)	Qualified
CRD-SOV-50117(XI-XX)	ASCO	HVA-90-405-2A	SCRAM Valve	R-903	H 7,95E05	1b(H)	Qualified
CRD-LS-231 A,B	Magnetrol	751	SDV Level Switch	R-903	H 5,03E06	1b(H)	Qualified
CRD-LS-236 A,B	Magnetrol	751	SDV Level Switch	R-903	H 5,03E06	1b(H)	Qualified
CRD-IT-231C,D	Barton	764	SDV Level Transmitter	R-903	{4}	1b(H)	W/352 Sensors
CRD-IT-236C,D	Barton	764	SDV Level Transmitter	R-903	{4}	1b(H)	W/352 Sensors

Component Identification Code	Manufacturer	Model	Function	Location	Env. Temp. Range	Requirement (O. Y.)	Comments
CS-FT-40A,B	GE	555	CS Pump Flow Switcher	R-859-NE & SE Quad	C, S 6.15E05	6m(L)	S/Ns 537176, 54 [5] [6]
CS-MOT-CSPIA	GE	586.9A6C83A	Pump A Prime Mover	R-859-NE Quad	C, S 7.95E05	6m(L)	[6]
CS-MOT-CSPIB	GE	586.9A6C83A	Pump B Prime Mover	R-859-SE Quad	C 7.95E05	6m(L)	[6]
CS-MO-M011A	Limitorque	SMB-2	Injection Valve Operator	R-931-NE Platform	J 7.95E05	6m(L)	Dings 6-71010-6 Brake, S/N 201166
CS-MOT-M011A	Reliance	SMB-2	Injection Valve Operator	R-931-NE Platform	J 7.95E05	6m(L)	Dings 6-71010-6 Brake, S/N 201166
CS-MO-M011B	Limitorque	SMB-2	Injection Valve Operator	R-931-RMCU I/O RM (Platform)	J 7.95E05	6m(L)	Dings 6-71010-6 Brake, S/N 201165
CS-MOT-M011B	Reliance	SMB-2	Injection Valve Operator	R-931-RMCU I/O RM (Platform)	J 7.95E05	6m(L)	Dings 6-71010-6 Brake, S/N 201165
CS-MO-M012A	Limitorque	SMB-2	Injection Valve Operator	R-931-NE Platform	J 7.95E05	6m(L)	Dings 6-71010-6 Brake, S/N 201167
CS-MOT-M012A	Reliance	SMB-2	Injection Valve Operator	R-931-NE Platform	J 7.95E05	6m(L)	Dings 6-71010-6 Brake, S/N 201167
CS-MO-M012B	Limitorque	SMB-2 (Platform)	Injection Valve Operator	R-931-RMCU I/O RM	J 7.95E05	6m(L)	Dings 6-71010-295 Brake, S/N 572963
CS-MOT-M012B	Reliance	SMB-2 (Platform)	Injection Valve Operator	R-931-RMCU I/O RM	J 7.95E05	6m(L)	Dings 6-71010-295 Brake, S/N 572963
CS-MO-M026A	Limitorque	SMB-3	Torus Test Control	R-881-NE Quad	C 6.21E05	6m(L)	Dings 6-72025-6 Brake, S/N 201161
CS-MOT-M026A	Reliance	SMB-3	Torus Test Control	R-881-NE Quad	C 6.21E05	6m(L)	Dings 6-72025-6 Brake, S/N 201161
CS-MO-M026B	Limitorque	SMB-3	Torus Test Control	R-881-SE Quad	C 6.21E06	6m(L)	Dings 6-72025-6 Brake, S/N 201162
CS-MOT-M026B	Reliance	SMB-3	Torus Test Control	R-881-SE Quad	C 6.21E06	6m(L)	Dings 6-72025-6 Brake, S/N 201162
CS-PS-44A,B	Static O-Ring	5N-AA3-2K	Pump Discharge	R-859-NE & SE Quad	C, S 6.15E05	6m(L)	

Component Identification Code	Manufacturer	Model	Function	Location	W/V Fad.	Requirement O.Y.	Comments
CS-H0-M05A	Uniflortorque	SHB-00	Min. Flow Control	R-859-NE Quad	C ₂ S	1.20E06	Dings VW-61003-30 Brake
CS-H0T-M05A	Reliance	SHB-00	Min. Flow Control	R-859-NE Quad	C ₂ S	1.20E06	Dings VW-61003-30 Brake
CS-H0-M05B	Uniflortorque	SHB-00	Min. Flow Control	R-859-SE Quad	C ₂ S	1.20E06	Brake
CS-H0T-M05B	Reliance	SHB-00	Min. Flow Control	R-859-SE Quad	C ₂ S	1.20E06	Brake
CS-H0-M07A	Uniflortorque	SHB-0	Pump Suction Valve Operator	R-859-NE Quad	C ₂ S	2.67E05	Dings VW-62006-30 Brake
CS-H0T-M07A	Reliance	SHB-0	Pump Suction Valve Operator	R-859-NE Quad	C ₂ S	2.67E05	Dings VW-62006-30 Brake
CS-H0-M07B	Uniflortorque	SHB-0	Pump Suction Valve Operator	R-859-SE Quad	C ₂ S	2.67E05	Dings VW-62006-30 Brake
CS-H0T-M07B	Reliance	SHB-0	Pump Suction Valve Operator	R-859-SE Quad	C ₂ S	2.67E05	Dings VW-62006-30 Brake

Component Identification Code	Manufacturer	Model	Function	Location	Fuv.		Requirement D.T.	Comments
					T/P	Rad.		
EE - Terminal Block	GE	EB5	Circuit Connection	Drywell	A	4.4E07	6m(L)	Qualified
EE - Terminal Block	Buchanan	514	Circuit Connection	Drywell	A	4.4E07	6m(L)	Qualified
EE - Terminal Block	GE	CR151A6	Circuit Connection	Drywell	A	4.4E07	6m(L)	
EE - Cable	Boston	LSS1962H Insulated Wire & Cable	Instrumentation Cable	Containment	A	4.4E07	6m(L)	Qualified
EE - Cable	Boston	9993H007 Insulated Wire & Cable	Instrumentation Cable	Containment	A	4.4E07	6m(L)	Qualified
EE - Cable	Kerite	FR Jacket with HTK Insulation	Control, Power Cable	Containment	A	4.4E07	6m(L)	Qualified
EE - Cable	Cerro	Firewall SR, Firewall III, Pyrotrol III	Control, Power Cable	Containment	A	4.4E07	6m(L)	Qualified
EE - Cable	Raychem	16403 Coax	Perm. HI-Range Monitor	Containment	A	4.4E07	6m(L)	Qualified
EE - Electrical Penetrations	GE	238X600NSCI	DW Penetration for Electrical Cable	DW-RX Building	A	4.4E07	6m(L)	
EE-PNL-CPP,CA,CB	GE	QMR	Electrical Control, Power	R-903-West Side Distribution		[4]	6m(L)	
EE-PNL-CPP2,AA3,BB3	GE	QMR	Electrical Control, Power Distribution	R-903		[4]	6m(L)	
EE-MCC-S,Q,Y,R,RB	ITE	Series 9600	480 VAC Dist Center	R-903-W Side	H	7.95E05	6m(L)	
EE-MCC-K	ITE	Series 9600	480 VAC Dist Center	R-903-NE	H	7.95E05	6m(L)	
EE-MCC-CA,CB	ITE	Series 9600	480 VAC Dist Center	R-931-W side	J	7.95E05	6m(L)	
EE-MCC-RA	ITE	Series 9600	480 VAC Dist Center	R-958	L	1.7E05	6m(L)	

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.T.	Comments
					T/P	Rad.		
EE-STR-250HPCI (M014)	GE	1C406	HPCI-M014 Starter	R-859-HPCI Room	NA	7.95E05	8b(L)	[5]
EE-STR-125HPCI (M016)	GE	CR111	HPCI-M016 Starter	R-859-HPCI Room	F	7.95E05	1b(L)	[5]
EE-STR-125HPCI (M017)	GE	CR111	HPCI-M017 Starter	R-859-HPCI Room	NA	7.95E05	8b(L)	[5]
EE-STR-250HPCI (M019)	GE	1C406	HPCI-M019 Starter	R-859-HPCI Room	NA	7.95E05	8b(L)	[5]
EE-STR-250HPCI (M020)	GE	1C406	HPCI-M020 Starter	R-859-HPCI Room	NA	7.95E05	8b(L)	[5]
EE-STR-250HPCI (M021)	GE	1C406	HPCI-M021 Starter	R-859-HPCI Room	NA	7.95E05	8b(L)	[5]
EE-STR-250HPCI (M024)	GE	1C406	HPCI-M024 Starter	R-859-HPCI Room	NA	7.95E05	8b(L)	[5]
EE-STR-250HPCI (M025)	GE	1C406	HPCI-M025 Starter	R-859-HPCI Room	NA	7.95E05	8b(L)	[5]
EE-STR-125HPCI (M058)	GE	CR111	HPCI-M058 Starter	R-859-HPCI Room	NA	7.95E05	8b(L)	[5]
EE-STR-125RX (M077)	GE	CR111	MS-M077 Starter	R-958-MW			[4]	
EE-STR-125RCIC (M016)	GE	CR111	RCIC-M016 Starter	R-903-RE	-M11d-		1b(H)	
EE-STR-250HPCI (M017)	GE	1C406	BHR-M017 Starter	R-859-HPCI Room	[4]		6m(L)	[5]
EE-STR-250D1V1 (M025A)	ITE	S/O 17- 40330-050	BHR-M025A Starter	R-903-W	H	7.95E05	6m(L)	
EE-STR-250D1V2 (M025B)	ITE	S/O 17- 40330-050	BHR-M025B Starter	R-903-W	H	7.95E05	6m(L)	
EE-STR-125RX (M018)	GE	CR111	RCIC-M018 Starter	R-958-MW	L	7.95E05	1b(L)	[5]
EE-STR-250D1V1 (M053A)	ITE	S/O #17- 40330-050	Motor Starter for M0-53A	R-903-W	H	7.95E05	1b(L)	
EE-STR-250D1V2 (M053B)	ITE	S/O #17- 40330-050	Motor Starter for M0-53B	R-903-W	H	7.95E05	1b(L)	

Component Identification Code	Manufacturer	Model	Function	Location	Env. T/P	Rad.	Requirement O.Y.	Comments
HV-1FC-R-1H	Reliance	S/NP18G120G	Operates HV Fan	R-881-SM Quad	C	7.95E05	6m(H)	[5]
HV-1FC-R-1G	U.S. Electric Motors	F-1086-02-170	Operates HV Fan	R-881-HVCI Room	F	7.95E05	6m(H)	[5]
HV-1FC-R-1E	Reliance	S/NP18G110EW	Operates HV Fan	R-881-SE Quad	C	7.95E05	6m(H)	[5]
HV-1FC-R-1F	Reliance	S/NP18G110FW	Operates HV Fan	R-881-NF Quad	C, S	7.95E05	6m(H)	[5]
HV-1FC-R-1J	Reliance	S/NP18G120EX	Operates HV Fan	R-881-NM Quad	C	7.95E05	6m(H)	[5]

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.T.	Comments
					T/P	Rad.		
HPCI-TS-101,102,103 104:A,B	Fenwal	17023-6	Steam Leak Detection	R-903-Inj. Valve Room	R	1.7E05	1h(L)	Qualified
HPCI-TS-101,102,103 104:C,D	Fenwal	17023-6	Steam Leak Detection	R-881-SW Torus	E	1.7E05	1h(L)	Qualified
HPCI-TS-125,126,127 128:A,B,C,D	Fenwal	17023-6	Steam Leak Detection	R-859-HPCI Room	F	1.7E05	1h(L)	Qualified
HPCI-PS-84-1	Static-O-Ring	6N-AA71V	Pp. Suction Low Pressure	R-859-SW Quad	U	7.95E04	8h(L)	Rack 25-50
HPCI-PS-85	Static-O-Ring	5N-AA3	Pp. Disch High Pressure	R-859-SW Quad	U	7.95E04	8h(L)	Rack 25-50
HPCI-PS-97A,B	Static-O-Ring	5N-AA3	Turb Exh Steam High Pressure	R-859-SW Quad	U	3.17E04	8h(L)	Rack 25-50
HPCI-PS-68A,B,C,D	Barksdale	B/T-H12SS	Steam Line Low Pressure	R-859-SW Quad	E	3.17E04	1h(L)	Rack 25-50; [7]
HPCI-DPIS-76,77	Barton	288A	High Differential Pressure	R-859-SW Quad	E	3.17E04	1h(L)	Rack 25-50; Qualified
HPCI-PS-2787	Square-D	Class 9012 Type ACM-22	Turbine-Oil Pressure	R-859-HPCI Room	NA	7.95E05	8h(L)	Qualified
HPCI-CBX-2792	Woodward Governor	S/N896918	Turbine Control: ECM Control Box	R-859-HPCI Room	NA	7.95E05	8h(L)	[1]
HPCI-CHA-2792	Woodward Governor	R-8250-133	Turbine Control: ECM Hydraulic Actuator	R-859-HPCI Room	NA	7.95E05	8h(L)	
HPCI-CRSH-2792	Woodward Governor	8250-079	Turbine Control: Remote Servo-motor	R-859-HPCI Room	NA	7.95E05	8h(L)	
HPCI-SC-2792	Woodward Governor	8270-848	Turbine Control: Signal Converter	R-859-HPCI Room	NA	7.95E05	8h(L)	[1]
HPCI-SE-2792	Woodward Governor	1680-672	Turbine Control: Magnetic Pick-up	R-859-HPCI Room	NA	7.95E05	8h(L)	
HPCI-SOV-AVSPV559	ASCO	HT8316C15	Pilot valve for HPCI-A039	R-859-HPCI Room	-Harsh-		[3]	
HPCI-LMS-559AV	NAMCO	D2400X	Indication - HPCI-A039	R-859-HPCI Room	-Harsh-		[3]	
HPCI-SOV-AVSPV560	ASCO	HT8316C15	Pilot valve for HPCI-A040	R-859-HPCI Room	-Harsh-		[3]	
HPCI-LMS-560AV	NAMCO	D2400X	Indication - HPCI-A040	R-859-HPCI Room	-Harsh-		[3]	

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.Y.	Comments
					T/P	Rad.		
HPCI-SOV-AVSPV565	ASCO	8317A29	Pilot valve for HPCI-A070	R-859-HPCI Room	NA	7.95E05	1h(L)	Qualified
HPCI-LMS-565AV	Microswitch	OP-N	Indication - HPCI-A070	R-859-HPCI Room	NA	7.95E05	1h(L)	Qualified
HPCI-SOV-AVSPV-566	ASCO	8317A29	Pilot for HPCI-A071	R-859-HPCI Room	NA	7.95E05	1h(L)	Qualified
HPCI-LMS-566AV	Microswitch	OP-N	Indication - HPCI-A071	R-859-HPCI Room	NA	7.95E05	1h(L)	Qualified
HPCI-SOV-AVSPV782	ASCO	HT8316-C-15	Pilot Valve for HPCI-A042	R-859-HPCI Room	NA	7.95E05	1h(L)	Qualified
HPCI-LMS-782AV	NAMCO	EA170-31100	Indication - HPCI-A042	R-859-HPCI Room	NA	7.95E05	1h(L)	Qualified
HPCI-SOV-AVSPV783	ASCO	HT8316-C-15	Pilot Valve for HPCI-A043	R-859-HPCI Room	NA	7.95E05	1h(L)	Qualified
HPCI-LMS-783AV	NAMCO	EA170-31100	Indication - HPCI-A043	R-859-HPCI Room	NA	7.95E05	1h(L)	Qualified
HPCI-PT-82	GE	555	Pump Discharge Flow	R-859-SW Quad	U	7.95E04	8h(L)	S/N 4537174; [5] [8]
HPCI-MO-M014	Limitorque	SMB-1	Main Steam HPCI Turbine	R-859-HPCI Room	F	7.95E05	8h(L)	Qualified
HPCI-MOT-M014	Reliance	SMB-1	Main Steam HPCI Turbine	R-859-HPCI Room	F	7.95E05	8h(L)	Qualified
HPCI-MO-M015	Limitorque	SMB-1	Steam Inbd Isolation	DW-921	A	4.4E07	1h(L)	Qualified; [8]
HPCI-MOT-M015	Reliance	SMB-1	Steam Inbd Isolation	DW-921	A	4.4E07	1h(L)	Qualified; [8]
HPCI-MO-M016	Limitorque	SMB-1	Main Steam Outboard	R-903-Inj. Valve Room Isolation	W	7.95E05	1h(L)	Qualified; [8]
HPCI-MOT-M016	Porter Peerless	SMB-1	Main Steam Outboard	R-903-Inj. Valve Room Isolation	W	7.95E05	1h(L)	Qualified; [8]
HPCI-MO-M017	Limitorque	SMB-00	Suction from ECST	R-859-HPCI Room	NA	7.95E05	8h(L)	Qualified
HPCI-MOT-M017	Reliance	SMB-00	Suction from ECST	R-859-HPCI Room	NA	7.95E05	8h(L)	Qualified
HPCI-MO-M019	Limitorque	SMB-3	Injection Valve	R-903-Steam Tunnel	R	1.84E06	8h(L)	Qualified
HPCI-MOT-M019	Porter Peerless	SMB-3	Injection Valve	R-903-Steam Tunnel	R	1.84E06	8h(L)	Qualified
HPCI-MO-M020	Limitorque	SMB-3	Injection Valve	R-859-HPCI Room	NA	7.95E05	8h(L)	Qualified
HPCI-MOT-M020	Reliance	SMB-3	Injection Valve	R-859-HPCI Room	NA	7.95E05	8h(L)	Qualified
HPCI-MO-M021	Limitorque	SMB-3	Test Dischg. to ECST	R-859-HPCI Room	NA	7.95E05	8h(L)	Qualified
HPCI-MOT-M021	Reliance	SMB-3	Test Dischg. to ECST	R-859-HPCI Room	NA	7.95E05	8h(L)	Qualified

Component Identification Code	Manufacturer	Model	Function	Location	TFP	Env. Rad.	Requirement O.Y.	Comments
HPCI-MOT-M024	Limitorque	SMB-1	Disch. to ECST	R-459-HPCI Room	NA	7.95E05	8h(L)	
HPCI-MOT-M024	Porter Peerless	SMB-1	Disch. to ECST	R-459-HPCI Room	NA	7.95E05	8h(L)	
HPCI-MOT-M025	Limitorque	SMB-1	Min. Flow Valve	R-459-HPCI Room	NA	7.95E05	8h(L)	Steamers 1-087-056 Brake, S/N 21539
HPCI-MOT-M025	Reliance	SMB-1	Min. Flow Valve	R-459-HPCI Room	NA	7.95E05	8h(L)	Steamers 1-087-056 Brake, S/N 21539
HPCI-MOT-M058	Limitorque	SMB-00	Suction from Torus	R-459-HPCI Room	NA	7.95E05	8h(L)	Qualified
HPCI-MOT-M058	Reliance	SMB-00	Suction from Torus	R-459-HPCI Room	NA	7.95E05	8h(L)	Qualified
HPCI-MOT-ALOP	Balder	S/N 1-C-1-7	Oil to HPCI Turbine	R-459-HPCI Room	NA	7.95E05	8h(L)	Qualified
HPCI-ALOP-STR	CE	1C406	Start Aux Oil Pump Motor	R-459-HPCI Room	NA	7.95E05	8h(L)	[5]

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.T.	Comments
					T/P	Rad.		
MS-MO-M074	Limitorque	SMB-000	Header Drain	DW-903	A	4.4E07	1h(L)	[8]
MS-MOT-M074	Reliance	SMB-000	Header Drain	DW-903	A	4.4E07	1h(L)	[8]
MS-SOV-86A(PV1,2,3), B(PV1,2,3), C(PV1,2,3), D(PV1,2,3)	AVCO	C-5577 C-5140-8H C-5140-4H	MSIV Control	R-903-Steam Tunnel	B	4.4E07	1h(L)	
MS-MSIV-LMS-A086A,B,C,D	NAMCO	EA180-31302	Indication & Control	R-903-Steam Tunnel	B	4.4E07	6m(L)	[8] [7]
MS-SOV-80A(PV1,2,3), B(PV1,2,3), C(PV1,2,3), D(PV1,2,3)	AVCO	C-5577 C-5140-8H C-5140-4H	MSIV Control	DW-903	A	4.4E07	1h(L)	
MS-P71V-LMS-A080A,B,C,D	NAMCO	EA180-31302	Indication & Control	DW-903	A	4.4E07	6m(L)	[8] [7]
MS-MO-M077	Limitorque	SMB-000	MS Line Drain	R-903-Steam Tunnel	B	1.84E06	1h(L)	Qualified; [8]
MS-MOT-M077	Reliance	SMB-000	MS Line Drain	R-903-Steam Tunnel	B	1.84E06	1h(L)	Qualified; [8]
MS-MO-M078	Limitorque	SMB-000	MS Line Drain	R-903-Steam Tunnel	B	1.84E06	1h(L)	Qualified
MS-MOT-M078	Reliance	SMB-000	MS Line Drain	R-903-Steam Tunnel	B	1.84E06	1h(L)	Qualified
MS-DPIS-116,117, 118,119:A,B,C,D	Barton	288A	MSL High Flow Isolation	R-903	H	7.95E05	1h(L)	Rack 25-56; Qualified
MS-TS-121,122, 123,124:A,B,C,D	Fenwal	17023-6	Steam Leak Detection	R-903-Steam Tunnel	B	1.7E05	1h(H)	Qualified
MS-RV-71ARV-HRV	Target Rock	1/2 SMS-A-01	Safety Relief Valve-Main Steam Lines A-D	DW-921	A	4.4E07	7d(H)	Qualified
MS-SIV-SV256A-H	ASCO	NP8370-A-193	ADS Test Valves	DW-921	A	4.4E07	1h(H)	Qualified
MS-PS-300A-H	Pressure Controls Inc.	P/N A171P	Relief Valve Leak Indication	Containment	A	4.4E07	1h(L)	Qualified
MS-TE-114A,B,C	Omega Engineering	CF-090-T	Measures Temp Downstream of Safety Valves	Containment	A	4.4E07	1h(L)	[5]

Component Identification Code	Manufacturer	Model	Function	Location	Env. TYP	Rad.	Requirement O.T.	Comments
MS-SOV-SPV784	ASCO	B320A91	Pilot Valve for MS-784AV	R-859-NM Torus	-Harsh-			[3]
MS-LMS-784AV	NAHCO	EA170-31100	Indication	R-859-NM Torus	-Harsh-			[3]
MS-SOV-SPV785	ASCO	B320A91	Pilot Valve for MS-785AV	R-859-NM Torus	-Harsh-			[3]
MS-LMS-785AV	NAHCO	EA170-31100	Indication	R-859-NM Torus	-Harsh-			[3]
MS-SOV-SPV786	ASCO	B320A91	Pilot Valve for MS-786AV	R-859-SM Torus	-Harsh-			[3]
MS-LMS-786AV	NAHCO	EA170-31100	Indication	R-859-SM Torus	-Harsh-			[3]
MS-SOV-SPV787	ASCO	B320A91	Pilot Valve for MS-787AV	R-859-SM Torus	-Harsh-			[3]
MS-LMS-787AV	NAHCO	EA170-31100	Indication	R-859 SM Torus	-Harsh-			[3]

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.T.	Comments
					T/F	Rad.		
NBI-PS-55A,B,C,D	Barksdale	B2T-M12SS	Reactor Pressure	R-931-NW	J	7.95E05	6m(L)	Rack 25-5,6; [7]
NBI-PS-52A,C	Barksdale	B2T-M12SS	Reactor Pressure	R-931-NW	J	7.95E05	6m(L)	Rack 25-5,6,51,52; [7]
NBI-PS-51A,B,C,D	Barksdale	B2T-M12SS	Reactor Pressure	R-931-NW	J	7.95E05	6m(L)	Rack 25-5,6; [7]
NBI-PS-102A,B,C,D	Static-O-Ring	9N-AA45-X9TT	Reactor HI-Pressure	R-931-NW	J	2.14E05	6m(L)	Rack 25-5,6
NBI-LIS-101A,B,C,D	Barton	288A	Rx High-Water Level	R-931-NW	J	2.14E05	6m(L)	Rack 25-5,6; Qualified
NBI-DPIS-52 B,D	Barton	288A	Rx Pressure	R-931	J	7.95E05	6m(L)	Rack 25-5,6; Qualified
NBI-LIS-57A,B	Yarway	4418C	Rx Low-Water Level	R-931	J	3.76E05	6m(L)	Rack 25-5; Qualified
NBI-LIS-58A,B	Yarway	4418C	Rx Low-Water Level	R-931	J	3.76E05	6m(L)	Rack 25-6; Qualified
NBI-LIS-72A,B,C,D	Yarway	4418C	Rx Low-Water Level	R-931	J	3.76E05	6m(L)	Rack 25-5,6; Qualified
NBI-LIS-83A	Yarway	4418C	Rx Low-Water Level - ADS	R-931	J	9.32E03	6m(L)	Rack 25-5,6; Qualified
NBI-LIS-83B	Yarway	4418C	Rx Low-Water Level - ADS	R-931	J	3.76E05	6m(L)	Rack 25-5,6; Qualified
NBI-LITS-73A,B	Yarway	4418EC	Rx Shroud High-Water, RHR Interlock	R-931	J	4.77E05	6m(L)	Rack 25-51, 52; Qualified; [8]

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.F.	Comments
					T/P	Rad.		
PC-DPIS-516A,B	Barton	289A	Atmosphere-Torus Differential Pressure	R-903-RHR HX Room	NA	7.95E05	6m(L)	Qualified
PC-PS-16	Barton	288A	DW HI-Pressure Alarm	R-931-NW	J	9.32E03	6m(L)	Rack 25-5; Qualified
PC-PS-12A,B	Static-O-Ring	12N-BB5-N	DW HI-Pressure	R-931-NW	J	3.76E05	6m(L)	Rack 25-5
PC-PS-101A,C	Static-O-Ring	12N-AA4-N	DW HI-Pressure	R-931-NW	J	3.77E05	6m(L)	Rack 25-5
PC-PS-100A,C	Static-O-Ring	12N-AA4-N	DW HI-Pressure	R-931-NW	J	3.76E05	6m(L)	Rack 25-5
PC-PT-5'2A	Honeywell	302010202	DW Pressure Xmitter	R-931-NW	J	9.32E03	6m(L)	S/N 4537183; [5]; [8]
PC-PS-100B,D	Static-O-Ring	12N-AA4-N	DW HI-Pressure	R-931-NW	J	3.76E05	6m(L)	Rack 25-6
PC-PS-101B,D	Static-O-Ring	12N-BB4-N	DW HI-Pressure	R-931-NW	J	3.77E05	6m(L)	Rack 25-6
PC-PS-12C,D	Static-O-Ring	12N-BB5-N	Primary Cont HI Press	R-931-SE	J	3.76E05	6m(L)	Rack 25-6
PC-PT-512B	Honeywell	302010202	DW Pressure Xmitter	R-931-SE			6m(L)	S/N 4537184; [5]; [8]
PC-TE-505A-E	Yellow Springs Instrumentation	4150	Drywell Zone 2B Air Temp.	DW-921	A	4.4E07	6m(L)	[5]; [8]
PC-TE-510A-E	Yellow Springs Instrumentation	4150	Drywell Zone 2C Air Temp.	DW-921	A	4.4E07	6m(L)	[5]; [8]
PC-PT-20	Honeywell	N-EJ30M	Suppression Pool Pressure	R-903-NE	H	4.77E05	6m(L)	S/N 4537182; [5]
PC-LT-10	Honeywell	292110103	Suppression Pool Level	R-859-W Torus	D	1.29E08	6m(L)	S/N 4537185; [5]
PC-LT-13	Honeywell	292130101	Torus Level Xmitter	R-859-W Torus	D	1.29E08	6m(L)	S/N 4537188; [5]
PC-PT-513	Honeywell	30201130	DW Pressure	R-903-W Side	H	7.95E05	6m(L)	S/N 4537183; [5]; [8]
PC-LS-91A,B	Robertshaw	83842A1	Torus High Water Level	R-859-W Torus	D	7.95E05	6m(L)	
PC-LT-11	Honeywell	292110103	Torus Narrow Range Level Xmitter	R-859-W Torus	D	1.29E08	6m(L)	S/N 4537186; [5]; [8]
PC-LT-12	Honeywell	292130101	Torus Narrow Range Level Xmitter	R-859-W Torus	D	1.29E08	6m(L)	S/N 4537187; [5]

Component Identification Code	Manufacturer	Model	Function	Location	Env. T/P	Rad.	Requirement	
							O.Y.	Comments
PC-MU-305HV	Limitorque	SM8-000	230WV Bypass Operator	R-881-NE Torus		[4]	6m(L)	[8]
PC-MUT-305HV	Reliance	SM8-000	230WV Bypass Operator	R-881-NE Torus		[4]	6m(L)	[8]
PC-MU-306HV	Limitorque	SM8-000	231WV Bypass Operator	R-958-NE		[4]	6m(L)	[8]
PC-MUT-306HV	Porter Peerless	SM8-000	231WV Bypass Operator	R-958-NE		[4]	6m(L)	[8]
PC-SOV-SPV237	ASCO	8316815	Suppression Chmr Isolation	R-976	NA	7.95E05	6m(L)	Qualified
PC-LMS-237AV	NAMCO	D2400X	Iso Valve Position Sensor	R-881-SW Torus	NA	7.95E05	6m(L)	Qualified; [8]
PC-SOV-SPV-238	ASCO	8316815	DM-Aic Purge Isolation	R-976	NA	7.95E05	6m(L)	Qualified
PC-LMS-238AV	NAMCO	D2400X	Iso Valve Position Sensor	R-881-SW Torus	NA	7.95E05	6m(L)	Qualified; [8]
PC-SOV-SPV243	ASCO	8344A05	Torus Area Isolation	Torus/Secondary Cont.	NA	7.95E05	6m(L)	Qualified
PC-LMS-243AV	NAMCO	EA740-80100	Iso Valve Position Ind	R-881-SW Torus	NA	7.95E05	6m(L)	Qualified; [8]
PC-SOV-SPV244	ASCO	8344A5	Torus/Secondary Cont. Isolation	R-881-SW Torus	NA	7.95E05	6m(L)	Qualified
PC-LMS-244AV	NAMCO	EA740-80100	Iso Valve Position Sensor	R-881-SW Torus	NA	7.95E05	6m(L)	Qualified; [8]
PC-SOV-SPV245	ASCO	8316815	Purge & Vent Line Isolation	R-881-NE Torus	NA	7.95E05	6m(L)	Qualified
PC-LMS-245AV	NAMCO	D2400X	Iso Valve Position Sensor	R-881-NE Torus	NA	7.95E05	6m(L)	Qualified; [8]
PC-SOV-SPV246	ASCO	8316815	Purge & Vent Line Isolation	R-958-NE	NA	7.95E05	6m(L)	Qualified
PC-LMS-246AV	NAMCO	D2400X	Iso Valve Position Sensor	R-958-NE	NA	7.95E05	6m(L)	Qualified; [8]
PC-MU-230HV	Limitorque	SM8-00	Purge & Vent Valve Operator	R-881-NE Torus	NA	7.95E05	6m(L)	Brake; [8]
PC-MUT-230HV	Reliance	SM8-00	Purge & Vent Valve Operator	R-881-NE Torus	NA	7.95E05	6m(L)	Brake; [8]
PC-MU-231HV	Limitorque	SM8-00	Control DM Ex Inbd Iso Valve	R-958-NE	NA	7.95E05	6m(L)	Brake; [8]
PC-MUT-231HV	Reliance	SM8-00	Control DM Ex Inbd Iso Valve	R-958-NE	NA	7.95E05	6m(L)	Brake; [8]
PC-MU-232HV	Limitorque	SM8-00	DM-Inlet Inbd Iso Operator	R-881-SE Torus	NA	7.95E05	6m(L)	Brake; [8]
PC-MUT-232HV	Reliance	SM8-00	DM-Inlet Inbd Iso Operator	R-881-SE Torus	NA	7.95E05	6m(L)	Brake; [8]

Component Identification Code	Manufacturer	Model	Function	Location	W/P	Env. Rad.	Requirement O. A.	Comments
PC-MQ-23MW	Limitorque	SHB-00	Torus Inlet Inbd Iso Operator	R-881-SM Torus	NA	7.95E05	6m(L)	Brake; [8]
PC-MQT-23MW	Reliance	SHB-00	Torus Inlet Inbd Iso Operator	R-881-SM Torus	NA	7.95E05	6m(L)	Brake; [8]

Component Identification Code	Manufacturer	Model	Function	Location	Env. T/F	Rad.	Requirement O.Y.	Comments
RMP-RE-20A, R, C, D	GE	2378731G1	Main Steam Line Monitoring	R-915-Stream Tunnel	NA	1.84E06	6a(L)	
RMP-RE-332	WAC/GE	117B1681G1	SW Effluent Monitor Detector	R-903-SE	NA	7.95E05	6a(L)	
RMP-PA-EAM133	GE	112C2776G1	SW Effluent Monitor Preamp.	R-903-SE	NA	7.95E05	6a(L)	
RMP-RE-40A	GE	1962927G12	Monitors Activity of Off Gas System to Elevated Ref. Point	OC-903	NA	7.95E05	6a(L)	
RMP - Cable	Boston Insul.	14396-II-002	Instrumentation - DM PPM	R-958		[4]	6a(L)	

Component Identification Code	Manufacturer	Model	Function	Location	Fav.		Requirement O, X	Comments
					Y/Y	Rad.		
RCIC-FS-87A, B, C, D	Barksdale	B27-402SS	Steam Line Low Pressure - Auto Isolation	R-881-NE Quad	S	7.95E05	N/A	Rack 25-58; [7]
RCIC-DPTS-83, 84	Barton	288	Steam Line HI Differential Pressure Sensor	R-881-NE Quad	C, S	2.2E06	N/A	Rack 25-58; Qualified
RCIC-TS-79, 80, 81, 82, A, B, C, D	Fennel	17021-6	Steam Leak Detection	R-859-NE Torus	D	1.75E05	1b(13)	Qualified
RCIC-MO-M015	Limitorque	SM8-00	Main Steam Inbld Isolation	DM-403	A	4.4E07	1b(8)	Qualified; [8]
RCIC-MOT-M015	Portex Peerless	SM8-00	Main Steam Inbld Isolation	DM-403	A	4.4E07	1b(8)	Qualified; [8]
RCIC-MO-M016	Limitorque	SM8-000	Main Steam Outbld Isolation	R-903-Stream Tunnel	B	1.84E06	1b(8)	Qualified; [8]
RCIC-MOT-M016	Reliance	SM8-000	Main Steam Outbld Isolation	R-903-Stream Tunnel	B	1.84E06	1b(8)	Qualified; [8]

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement G.T.	Comments
					T/P	Rad.		
REC-PT-452	Honeywell	292150101	REC HX Outlet Header Loop	R-931-NE	J	7.95E05	6m(H)	S/N 4537193; [5]
REC-PS-452	Mercoild	DSW-7023-804	Outlet Header Low Pressure	R-931-NE	J	7.95E05	6m(H)	S/N 3D935669
REC-PT-477A,B	Honeywell	307010090600	No. and So. Critical Loop Supply Header	R-931-NE	J	7.95E05	6m(H)	S/N 4537194,5; [5]
REC-MD-695MV	Limitorque	SMB-00	REC HX Intertie	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MDT-695MV	Reliance	SMB-00	REC HX Intertie	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MD-700MV	Limitorque	SMB-00	REC Supply to Non-Crit HDR	R-931-NE	J	7.95E05	6m(H)	Dings 4-61003-30 Brake, S/N 200932
REC-MDT-700MV	Reliance	SMB-00	REC Supply to Non-Crit HDR	R-931-NE	J	7.95E05	6m(H)	Dings 4-61003-30 Brake, S/N 200932
REC-SOV-SPV861	ASCO	8320A21	Water Flow Control to I-FC-R-1E	R-859-SE Quad	C	7.95E05	6m(H)	
REC-SOV-SPV862	ASCO	8320A21	Water Flow Control to I-FC-R-1H	R-859-SW Quad	G	7.95E05	6m(H)	
REC-SOV-SPV863	ASCO	8320A21	Water Flow Control to I-FC-R-1G	R-859-HPCI Room	F	7.95E05	6m(H)	
REC-SOV-SPV864	ASCO	8320A21	Water Flow Control to I-FC-R-1F	R-859-NE Quad	C,S	7.95E05	6m(H)	
REC-SOV-SPV865	ASCO	8320A21	Water Flow Control to I-FC-R-1J	R-859-NW Quad	C	7.95E05	6m(H)	
REC-MDT-KECP A, B C, D	U.S. Electric Motor/Emerson Electric	S/N P4298771 S/N P4297550 S/N P4296075 S/N P4297549	Provides System Circulation Pump Motors 1A-D	R-931-NE	J	7.95E05	6m(H)	[6]
REC-MD-712MV	Limitorque	SMB-000	REC HX 1B Inlet	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MDT-712MV	Reliance	SMB-000	REC HX 1B Inlet	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MD-713MV	Limitorque	SMB-00G	REC HX 1A Inlet	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MDT-713MV	Reliance	SMB-000	REC HX 1A Inlet	R-931-NE	J	7.95E05	6m(H)	Qualified

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.Y.	Comments
					T/F	Rad.		
REC-MD-707MV	Limitorque	SMB-000	REC to DW Supply Hdr.	R-931-RWCU HX Room	K	5.57E06	6m(H)	Qualified
REC-MWT-707MV	Porter Peerless	SMB-000	REC to DW Supply Hdr.	R-931-RWCU HX Room	K	5.57E06	6m(H)	Qualified
REC-MD-709MV	Limitorque	SMB-000	DW Return Block	R-931-RWCU HX Room	K	5.57E06	6m(H)	Qualified
REC-MWT-709MV	Porter Peerless	SMB-000	DW Return Block	R-931-RWCU HX Room	K	5.57E06	6m(H)	Qualified
REC-MD-714MV	Limitorque	SMB-000	North Critical Loop Supply	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MWT-714MV	Porter Peerless	SMB-000	North Critical Loop Supply	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MD-711MV	Limitorque	SMB-000	South Critical Loop Supply/ REC to RHR, CS Coolers	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MWT-711MV	Porter Peerless	SMB-000	South Critical Loop Supply/ REC to RHR, CS Coolers	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MD-1329MV	Limitorque	SMB-000	Isolation Valves/RBCCN to ARW	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MWT-1329MV	Reliance	SMB-000	Isolation Valves/RBCCN to ARW	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MD-721MV	Limitorque	SMB-000	REC Pump Suction from Non-Critical Header	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MWT-721MV	Reliance	SMB-000	REC Pump Suction from Non-Critical Header	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MD-722MV	Limitorque	SMB-000	REC Pump Suction from Non-Critical Header	R-931-NE	J	7.95E05	6m(H)	Qualified
REC-MWT-722MV	Reliance	SMB-000	REC Pump Suction from Non-Critical Header	R-931-NE	J	7.95E05	6m(H)	Qualified

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.T.	Comments
					T/F	Rad.		
RHR-DPIS-125A	Barton	289A	HX Dischg Min Flow Control	R-859-NW Quad	C	8.27E05	6m(L)	Qualified
RHR-DPIS-125B	Barton	289A	HX Dischg Min Flow Control	R-859-SW Quad	E	8.27E05	6m(L)	Qualified
RHR-PT-109A	GE	555	RHR System A Flow	R-859-NW Quad	C	8.27E05	6m(L)	S/N 4537176; [5][8]
RHR-PT-109B	GE	555	RHR System B Flow	R-859-SW Quad	E	8.27E05	6m(L)	S/N 4537177; [5][8]
RHR-TS-150,152,153: A,B,C,D	Fenwal	17023-6	Steam Leak Detection	R-881-SW & NW Torus	D	1.7E05	1h(H)	Qualified
RHR-TS-154,155, 156,157:A,C	Fenwal	17023-6	Steam Leak Detection	R-903-RHR HX Room A	I	1.7E05	1h(H)	Qualified
RHR-TS-154,155, 156,157:B,D	Fenwal	17023-6	Steam Leak Detection	R-903-RHR HX Room B	I	1.7E05	1h(H)	Qualified
RHR-TS-158,159, 160,161:A,C	Fenwal	17023-6	Steam Leak Detection	R-931-RHR HX Room A	I	1.7E05	1h(H)	Qualified
RHR-TS-158,159, 160,161:B,D	Fenwal	17023-6	Steam Leak Detection	R-931-RHR HX Room B	I	1.7E05	1h(H)	Qualified
RHR-MO-MO15A	Limitorque	SMB-3	Shut Down Cooling Pump A Suction	R-881-NW Quad	C	3.2E05	6m(L)	Qualified
RHR-MOT-MO15A	Porter Peerless	SMB-3	Shut Down Cooling Pump A Suction	R-881-NW Quad	C	3.2E05	6m(L)	Qualified
RHR-MO-MO15C	Limitorque	SMB-3	Shut Down Cooling Pump C Suction	R-881-NW Quad	C	3.2E05	6m(L)	Qualified
RHR-MOT-MO15C	Porter Peerless	SMB-3	Shut Down Cooling Pump C Suction	R-881-NW Quad	C	3.2E05	6m(L)	Qualified
RHR-MO-MO15B	Limitorque	SMB-3	Shut Down Cooling Pump B Suction	R-881-SW Quad	G	7.95E05	6m(L)	Qualified
RHR-MOT-MO15B	Porter Peerless	SMB-3	Shut Down Cooling Pump B Suction	R-881-SW Quad	G	7.95E05	6m(L)	Qualified
RHR-MO-MO15D	Limitorque	SMB-3	Shut Down Cooling Pump D Suction	R-881-SW Quad	G	7.95E05	6m(L)	Qualified
RHR-MOT-MO15D	Porter Peerless	SMB-3	Shut Down Cooling Pump D Suction	R-881-SW Quad	C	7.95E05	6m(L)	Qualified

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.T.	Comments
					T/F	Rad.		
RHR-MO-MO13A	Limitorque	SMB-3	RHR Pp. A Torus Suction	R-859-NW Quad	C	5.9E05	6m(L)	Qualified
RHR-MOT-MO13A	Porter Peerless	SMB-3	RHR Pp. A Torus Suction	R-859-NW Quad	C	5.9E05	6m(L)	Qualified
RHR-MO-MO13C	Limitorque	SMB-3	RHR Pp. C Torus Suction	R-859-NW Quad	C	1.7E06	6m(L)	Qualified
RHR-MOT-MO13C	Porter Peerless	SMB-3	RHR Pp. C Torus Suction	R-859-NW Quad	C	1.7E06	6m(L)	Qualified
RHR-MO-MO13B	Limitorque	SMB-3	RHR Pp. B Torus Suction	R-859-SW Quad	E	1.7E06	6m(L)	Qualified
RHR-MOT-MO13B	Porter Peerless	SMB-3	RHR Pp. B Torus Suction	R-859-SW Quad	F	1.7E06	6m(L)	Qualified
RHR-MO-MO13D	Limitorque	SMB-3	RHR Pp. D Torus Suction	R-859-SW Quad	E	5.9E05	6m(L)	Qualified
RHR-MOT-MO13D	Porter Peerless	SMB-3	RHR Pp. D Torus Suction	R-859-SW Quad	E	5.9E05	6m(L)	Qualified
RHR-SOV-SV70A,B	ASCO	8320A10	Residual IX Isolation	R-931-RHR IX Room A, B	NA	7.95E05	6m(L)	Qualified
RHR-PCV-70A,B	Microswitch	OPD-AR	SOV-70A,B Pos Sensors	R-931-RHR IX Room A, B	NA	7.95E05	6m(L)	Qualified
RHR-MO-MO17	Limitorque	SMB-2	Shut Down Cooling Outbd Valve	R-903-Inj. Valve Room	R	7.95E05	6m(L)	Qualified
RHR-MOT-MO17	Reliance	SMB-2	Shut Down Cooling Outbd Valve	R-903-Inj. Valve Room	R	7.95E05	6m(L)	Qualified
RHR-MO-MO18	Limitorque	SMB-2	RHR Shut Down Inbd Isolation	DM-903	A	4.4E07	6m(L)	
RHR-MOT-MO18	Reliance	SMB-2	RHR Shut Down Inbd Isolation	DM-903	A	4.4E07	6m(L)	
RHR-MO-MO25A	Limitorque	SB-3-100	Loop A Inbd Inj Block	R-903-Inj. Valve Room	H	7.95E05	6m(L)	Qualified
RHR-MOT-MO25A	Porter Peerless	SB-3-100	Loop A Inbd Inj Block	R-903-Inj. Valve Room	H	7.95E05	6m(L)	Qualified
RHR-MO-MO25B	Limitorque	SB-3-100	Loop B Inbd Inj Block	R-903-Inj. Valve Room	H	7.95E05	6m(L)	Qualified
RHR-MOT-MO25B	Porter Peerless	SB-3-100	Loop B Inbd Inj Block	R-903-Inj. Valve Room	H	7.95E05	6m(L)	Qualified
RHR-MO-MO27A	Limitorque	SMB-3	Loop A RHR Injection Control	R-903-Inj. Valve Room	H	1.7E05	6m(L)	Qualified
RHR-MOT-MO27A	Electric Apparatus	SMB-3	Loop A RHR Injection Control	R-903-Inj. Valve Room	H	1.7E05	6m(L)	Qualified
RHR-MO-MO27B	Limitorque	SMB-3	Loop B RHR Injection Control	R-903-Inj. Valve Room	H	1.7E05	6m(L)	Qualified
RHR-MOT-MO27B	Electric Apparatus	SMB-3	Loop B RHR Injection Control	R-903-Inj. Valve Room	H	1.7E05	6m(L)	Qualified

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.S.	Comments
					T/P	Rad.		
RHR-MO-M065A	Limatorque	SMB-3	RHR Inlet to HX A	R-931-RHR HX Room A	I	7.95E05	6m(L)	Qualified
RHR-MOT-M065A	Porter Peerless	SMB-3	RHR Inlet to HX A	R-931-RHR HX Room A	I	7.95E05	6m(L)	Qualified
RHR-MO-M065B	Limatorque	SMB-3	RHR Inlet to HX B	R-931-RHR HX Room B	I	7.95E05	6m(L)	Qualified
RHR-MOT-M065B	Porter Peerless	SMB-3	RHR Inlet to HX B	R-931-RHR HX Room B	I	7.95E05	6m(L)	Qualified
RHR-MO-M066A	Limatorque	SMB-3	RHR HX A Bypass	R-903-RHR HX Room A	I	7.95E05	6m(L)	Qualified
RHR-MOT-M066A	Reliance	SMB-3	RHR HX A Bypass	R-903-RHR HX Room A	I	7.95E05	6m(L)	Qualified
RHR-MO-M066B	Limatorque	SMB-3	RHR HX B Bypass	R-903-RHR HX Room B	I	7.95E05	6m(L)	Qualified
RHR-MOT-M066B	Reliance	SMB-3	RHR HX B Bypass	R-903-RHR HX Room B	I	7.95E05	6m(L)	Qualified
RHR-MO-M033	Limatorque	SMB-00	Head Spray Outbd Isolation	R-958	L	7.95E05	6m(L)	Qualified
RHR-MOT-M033	Reliance	SMB-00	Head Spray Outbd Isolation	R-958	L	7.95E05	6m(L)	Qualified
RHR-MO-M012A	Limatorque	SMB-3	RHR HX A Outlet Control	R-903-RHR HX Room A	I	1.27E06	6m(L)	Qualified
RHR-MOT-M012A	Porter Peerless	SMB-3	RHR HX A Outlet Control	R-903-RHR HX Room A	I	1.27E06	6m(L)	Qualified
RHR-MO-M012B	Limatorque	SMB-3	RHR HX B Outlet Control	R-903-RHR HX Room B	I	1.27E06	6m(L)	Qualified
RHR-MOT-M012B	Porter Peerless	SMB-3	RHR HX B Outlet Control	R-903-RHR HX Room B	I	1.27E06	6m(L)	Qualified
RHR-MO-M016A	Limatorque	SMB-000	Min. Flow Valve Control	R-881-NW Quad	C	7.1E05	6m(L)	Qualified
RHR-MOT-M016A	Porter Peerless	SMB-000	Min. Flow Valve Control	R-881-NW Quad	C	7.1E05	6m(L)	Qualified
RHR-MO-M016B	Limatorque	SMB-000	Min. Flow Valve Control	R-881-SW Quad	G	7.1E05	6m(L)	Qualified
RHR-MOT-M016B	Porter Peerless	SMB-000	Min. Flow Valve Control	R-881-SW Quad	G	7.1E05	6m(L)	Qualified
RHR-MO-M034A	Limatorque	SMB-2	Loop A Supp Chmbr Cooling Throttle Control	R-881-NW Quad	C	6.36E05	6m(L)	Qualified
RHR-MOT-M034A	Reliance	SMB-2	Loop A Supp Chmbr Cooling Throttle Control	R-881-NW Quad	C	6.36E05	6m(L)	Qualified
RHR-MO-M034B	Limatorque	SMB-2	Loop B Supp Chmbr Cooling Throttle Control	R-881-SW Quad	G	6.36E05	6m(L)	Qualified
RHR-MOT-M034B	Reliance	SMB-2	Loop B Supp Chmbr Cooling Throttle Control	R-881-SW Quad	G	6.36E05	6m(L)	Qualified

Component Identification Code	Manufacturer	Model	Function	Location	Rev. #	Requirement Q.Y.	Comments
RHR-MT-M030A	Limitorque	SMR-1	Loop A Torus Spray Valve Control	R-881-NM Quad	C	9.18E05 6m(L)	Qualified
RHR-MT-M030A	Reliance	SMR-1	Loop A Torus Spray Valve Control	R-881-NM Quad	C	9.18E05 6m(L)	Qualified
RHR-MT-M030A	Limitorque	SMR-1	Loop A Torus Spray Valve Control	R-881-NM Quad	C	1.19E06 6m(L)	Qualified
RHR-MT-M030A	Porter Peerless	SMR-1	Loop A Torus Spray Valve Control	R-881-NM Quad	C	1.19E06 6m(L)	Qualified
RHR-MT-M030B	Limitorque	SMR-1	Loop B Torus Spray Valve Control	R-881-SM Quad	G	9.18E05 6m(L)	Qualified
RHR-MT-M030B	Reliance	SMR-1	Loop B Torus Spray Valve Control	R-881-SM Quad	G	9.18E05 6m(L)	Qualified
RHR-MT-M030B	Limitorque	SMR-1	Loop B Torus Spray Valve Control	R-881-SM Quad	G	1.19E06 6m(L)	Qualified
RHR-MT-M030B	Porter Peerless	SMR-1	Loop B Torus Spray Valve Control	R-881-SM Quad	G	1.19E06 6m(L)	Qualified
RHR-MT-M030B	GE	SK6346XC74A	Prime Mover for RHR Pumps	R-859-NM Quad	C	7.95E05 6m(L)	[6]
RHR-MT-M030B	GE	SK6346XC74A	Prime Mover for RHR Pumps	R-859-SM Quad	E	7.95E05 6m(L)	[6]
RHR-MT-M031A	Limitorque	SMR-0	DM Spray Inlet Block	R-931-NM (ceiling)	J	7.95E05 6m(L)	Diags X04-62006-30 Brake
RHR-MT-M031A	Reliance	SMR-0	DM Spray Inlet Block	R-931-NM (ceiling)	J	7.95E05 6m(L)	Diags X04-62006-30 Brake
RHR-MT-M031B	Limitorque	SMR-0	DM Spray Inlet Block	R-903-SM	H	7.95E05 6m(L)	Diags X04-62006-30 Brake
RHR-MT-M031B	Reliance	SMR-0	DM Spray Inlet Block	R-903-SM	H	7.95E05 6m(L)	Diags X04-62006-30 Brake
RHR-MT-M032A	Limitorque	SMR-0	DM Spray Outlet Block	R-903-RHR IX Room A	I	7.95E05 6m(L)	Diags X04-62006-30 Brake
RHR-MT-M032A	Reliance	SMR-0	DM Spray Outlet Block	R-903-RHR IX Room A	I	7.95E05 6m(L)	Diags X04-62006-30 Brake
RHR-MT-M032B	Limitorque	SMR-0	DM Spray Outlet Block	R-903-RHR IX Room B	I	7.95E05 6m(L)	Diags X04-62006-30 Brake
RHR-MT-M032B	Reliance	SMR-0	DM Spray Outlet Block	R-903-RHR IX Room B	I	7.95E05 6m(L)	Diags X04-62006-30 Brake

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.T.	Comments
					T/P	Rad.		
RHR-MO-M032	Limitorque	SMB-00	Head Spray Isolation	DW-931	A	4.4E07	6m(L)	Qualified
RHR-MOT-M032	Reliance	SMB-00	Head Spray Isolation	DW-931	A	4.4E07	6m(L)	Qualified
RHR-MO-M021A	Limitorque	SMB-000	HX A Drain to Torus Control	R-903-HX Room A	I	7.95E05	6m(L)	Qualified
RHR-MOT-M021A	Reliance	SMB-000	HX A Drain to Torus Control	R-903-HX Room A	I	7.95E05	6m(L)	Qualified
RHR-MO-M021B	Limitorque	SMB-000	HX B Drain to Torus Control	R-903-HX Room B	I	7.95E05	6m(L)	Qualified
RHR-MOT-M021B	Porter Peerless	SMB-000	HX B Drain to Torus Control	R-903-HX Room B	I	7.95E05	6m(L)	Qualified
RHR-MO-M036A	Limitorque	SMB-0	RHR HX A To RCIC Suction Control	R-859-NE Quad	C	2.2E04	6m(L)	Qualified
RHR-MOT-M036A	Porter Peerless	SMB-0	RHR HX A To RCIC Suction Control	R-859-NE Quad	C	2.2E04	6m(L)	Qualified
RHR-MO-M036B	Limitorque	SMB-0	RHR HX B To RCIC Suction Control	R-859-NE Quad	C	2.2E04	6m(L)	Qualified
RHR-MOT-M036B	Porter Peerless	SMB-0	RHR HX B To RCIC Suction Control	R-859-NE Quad	C	2.2E04	6m(L)	Qualified
RHR-PS-120A,B,C,D	Static O-Ring	5N-AA3-X	RHR Pump Discharge ADS Permissive	R-859-NE Quad, R-859-SW Quad	[4] [4]		6m(L)	Rack 25-59, Rack 25-62
RHR-PS-105A,B,C,D	Static O-Ring	5N-AA3-X	RHR Pump Discharge ADS Permissive	R-859-NW Quad, R-859-SW Quad	[4] [4]		6m(L)	Rack 25-59, Rack 25-62

Component Identification Code	Manufacturer	Model	Function	Location	Env. T/P	Env. Rad.	Requirement O, P, R	Comments
RMA-RE-AV1	GE	194X927GD17	RX Bldg Fuel Pool Area	R-1001	L	1.7E05	6m(L)	[8]
RMA-RE-AV2	GE	194X927GD11	RX Bldg Fuel Pool Area	R-1001	L	1.7E05	6m(L)	[8]
RMA-RE-AV3	GE	194X927GD11	RX Bldg New Fuel Area	R-1001	L	1.7E05	6m(L)	[8]
RMA-RE-AV4	GE	194X927GD12	RX Bldg RX MCI Demin Area	R-976	L	1.7E05	6m(L)	[8]
RMA-RE-AV5	GE	194X927GD12	RX Bldg Sludge and Decant Area	R-958 F Dem V Rm	K	5.4E06	6m(L)	[8]
RMA-RE-AV6	GE	194X927GD12	RX Bldg Neut. Monitor Sys., Index Area	R-903-SE	H	7.95E05	6m(L)	[8]
RMA-RE-AV7	GE	194X927GD11	RX Bldg Neut. Monitor Sys Drive Mechanism Area	R-903-SE	H	7.95E05	6m(L)	[8]
RMA-RE-AV8	GE	194X927GD11	RX Bldg. CRD Area South	R-903-S	H	7.95E05	6m(L)	[8]
RMA-RE-AV9	GE	194X927GD11	RX Bldg CSD Area North	R-903-N	H	7.95E05	6m(L)	[8]
RMA-RE-AV10	GE	194X927GD11	RX Bldg. HPCI Room	R-859-HPCI Room	F	7.95E05	6m(L)	[8]
RMA-RE-AV11	GE	194X927GD11	RX Bldg. RHR Pump Room	R-859-SR Quad	E	7.95E05	6m(L)	[8]
RMA-RE-AV12	GE	194X927GD11	RX Bldg. RHR Pump Room	R-859-RR Quad	C	7.95E05	6m(L)	[8]
RMA-RE-AV13	GE	194X927GD11	RX Bldg. RHR CS Pump Room	R-859-RE Quad	C, S	7.95E05	6m(L)	[8]
RMA-RE-AV14	GE	194X927GD11	RX Bldg. CS Pump Room	R-859-SE Quad	C	7.95E05	6m(L)	[8]

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.T.	Comments
					T/P	Rad.		
RR-MD-M053A	Limitorque	SB-3-100	Recirc Disch Valve Control	DW-903	A	4.4E07	1b(L)	
RR-MOT-M053A	Porter Peerless	SB-3-100	Recirc Disch Valve Control	DW-903	A	4.4E07	1b(L)	
RR-MD-M053B	Limitorque	SB-3-100	Recirc Disch Valve Control	DW-903	A	4.4E07	1b(L)	
RR-MOT-M053B	Porter Peerless	SB-3-100	Recirc Disch Valve Control	DW-903	A	4.4E07	1b(L)	
RR-MD-M054A	Limitorque	SMB-000	Recirc Bypass Disch Valve Control	DW-890	A	4.4E07	1b(L)	
RR-MOT-M054A	Reliance	SMB-000	Recirc Bypass Disch Valve Control	DW-890	A	4.4E07	1b(L)	
RR-MD-M054B	Limitorque	SMB-000	Recirc Bypass Disch Valve Control	DW-890	A	4.4E07	1b(L)	
RR-MOT-M054B	Reliance	SMB-000	Recirc Bypass Disch Valve Control	DW-890	A	4.4E07	1b(L)	

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.T.	Comments
					T/P	Rad.		
RW-SOV-SPV732	ASCO	HT-8345C1	Isolates DW from Equipment Drain	R-859-NW Quad	C	7.95E05	1h(H)	Qualified
RW-LMS-732AV	NAMCO	D2400X	Indication for Equipment Drain Isolation Valve	R-881-NW Torus	D	7.95E05	1h(H)	
RW-SOV-SPV733	ASCO	HT-8345C1	Isolates DW from Equipment Drain	R-859-NW Quad	C	7.95E05	1h(H)	Qualified
RW-LMS-733AV	NAMCO	D2400X	Indication for Equipment Drain Isolation Valve	R-881-NW Torus	D	7.95E05	1h(H)	
RW-SOV-SPV765	ASCO	8345C1	Isolates DW from Equipment Drain	R-859-NW Quad	C	7.95E05	1h(H)	Qualified
RW-LMS-765AV	NAMCO	D2400X	Indication for Equipment Drain Isolation Valve	R-881-NW Torus	D	7.95E05	1h(H)	
RW-SOV-SPV766	ASCO	8445C1	Isolates DW from Equipment Drain	R-859-NW Quad	C	7.95E05	1h(H)	Qualified
RW-LMS-766AV	NAMCO	D2400X	Indication for Equipment Drain Isolation Valve	R-881-NW Torus	D	7.95E05	1h(H)	

Component Identification Code	Manufacturer	Ref. No.	Function	Location	Env. Temp. Rad.	Requirement U.S.C.	Comments
RACU-MO-M01B	Limitorque	SHB-00	RACU Outbid Isolation	R-931-RACU HS Room	K 5, 57E06	1b(1)	Qualified
RACU-MOT-M01B	Reliance	SHB-00	RACU Outbid Isolation	R-931-RACU HS Room	K 5, 57E06	1b(1)	Qualified
RACU-OPS-170A,B	Barton	289A	RACU High Line Flow	R-931-RACU Pump Room	T 7, 95E05	1b(1)	Qualified
RACU-PS-171A,B	Barkdale	B7T-A12SS	RACU Infl. Low Pressure	R-931-RP	J 7, 95E05	1b(1)	[?]
RACU-TS-81A-B	Fernald	17023-6	Stream Leak Detection	RACU-HS & Pump Room	T 5, 57E06	1b(1)	Qualified
RACU-MO-M01S	Limitorque	SHB-00	RACU Inbid Isolation	DM-920	A 4, 4F07	1b(1)	Qualified
RACU-MOT-M01S	Reliance	SHB-00	RACU Inbid Isolation	DM-920	A 4, 4F07	1b(1)	Qualified

Component Identification Code	Manufacturer	Model	Function	Location	Env. Temp. Rating	Requirement U.T.	Comments
SCT-WIT-EPRE	GE	5K254AR211B	EF-R-1F Fan Motor	R-976-SGT Room	[4]	6m(L)	[5]
SCT-WIT-EPFP	GE	5K254AR211B	EF-R-1F Fan Motor	R-976-SGT Room	[4]	6m(L)	[5]
SCT-SOV-SPV749	ASCO	8321A6	Pilot to AO-249	R-976-SGT Room	NA	3-RE04	Qualified
SCT-LMS-259AV	NAMCO	D2400X-RSR-R	Position Indication	R-976-SGT Room	NC	3-RE04	Qualified
SCT-SOV-SPV250	ASCO	8321A6	Pilot to AO-250	R-976-SGT Room	NA	3-RE04	Qualified
SCT-LMS-250AV	NAMCO	D2400X-RSR-R	Position Indication	R-976-SGT Room	NA	3-RE04	Qualified
SCT-SOV-SPV270	ASCO	8321A6	Pilot to AO-270	R-976-SGT Room	[4]	6m(L)	
SCT-LMS-270AV	NAMCO	D2400X-RSR-R	Position Indication	R-976-SGT Room	NA	3-RE04	Qualified
SCT-SOV-SPV271	ASCO	8321A6	Pilot to AO-271	R-976-SGT Room	[4]	6m(L)	
SCT-LMS-271AV	NAMCO	D2400X-RSR-R	Position Indication	R-976-SGT Room	NA	3-RE04	Qualified
SCT-SOV-SPV251	ASCO	8321A6	Pilot to AO-251	R-976-SGT Room	[4]	6m(L)	
SCT-LMS-251AV	NAMCO	D2400X-RSR-R	Position Indication	R-976-SGT Room	NA	3-RE04	Qualified
SCT-SOV-SPV252	ASCO	8321A6	Pilot to AO-252	R-976-SGT Room	[4]	6m(L)	
SCT-LMS-252AV	NAMCO	D2400X-RSR-R	Position Indication	R-976-SGT Room	NA	3-RE04	Qualified
SCT-SOV-SPV255	ASCO	834445	Pilot to AO-255	R-976-SGT Room	NA	3-RE04	Qualified
SCT-LMS-255AV	NAMCO	SL3-CB7L	Position Indication	R-976-SGT Room	NA	3-RE04	Qualified
SCT-SOV-SPV256	ASCO	8321A6	Pilot to AO-256	R-976-SGT Room	NA	3-RE04	Qualified
SCT-LMS-256AV	NAMCO	D2400X-RSR-R	Position Indication	R-976-SGT Room	NA	3-RE04	Qualified
SCT-SOV-SPV546A,B	ASCO	8316B15	Pilot to SPV-546A,B	R-976-SGT Room	NA	3-RE04	Qualified
SCT-LMS-A0546A,B	NAMCO	D2400X-RSR-R	Position Indication	R-976-SGT Room	NA	3-RE04	Qualified
SCT-EP 546	Bo... 11	31701-03	SGT Auto Test Signal	R-976-SGT Room	NA	7-95E05	S/N R0005516011; [5]

Component Identification Code	Manufacturer	Model	Function	Location	Env. Rad.	Requirement O.T.	Comments
SGT-DPT-543A,B	Honeywell	242130101	Measures d/p Across Train Filters. Controls Flow through Train and Actuates Other Train Fan on High d/p	R-976-SGT Room	[a]	6m(L)	S/N 4537196, 7; [5]
SGT-DPT-543A,B	Barton	289A	System DP Alarm	R-976-SGT Room	NA	6m(L)	Qualified
SGT-TE-532A,B	Claude S. Gordon Co.	402-3107-001	Measures Temperature Downstream of Prefilter	R-976-SGT Room	[a]	6m(L)	[5]
SGT-TE-537A,B	Claude S. Gordon Co.	402-3107-001	Measures Temperature Downstream of Iodine Absorber	R-976-SGT Room	[a]	6m(L)	
SGT-TE-533A,B	Engf.	N7A10-5.5-3A	Measures Temperature Downstream of Heaters	R-976-SGT Room	[a]	6m(L)	[5]
SGT-HE-533A,B	Engf.	SSP-1200	Measures Moisture Downstream of Heaters	R-976-SGT Room	NA	6m(L)	[5]
SGT-TE-535A,B	Engf.	N7A10-5.5-3A	Measures Temperature Downstream of High-Efficiency Filters	R-976-SGT Room	[a]	6m(L)	[5]
SGT-HE-535A,B	Engf.	SSP-1200	Measures Moisture Downstream of High-Efficiency Filters	R-976-SGT Room	NA	6m(L)	[5]
SGT-TE-547	Thermo-Electric Co.	AD-14-T-U-P	Monitors Temp of Flow to ERP	R-976-SGT Room	[a]	6m(L)	[5]
SGT-PS-540A	Bell Hfg Inc.	3500S-S	Energizes "A" Heaters, or On Low Flow "A" Train Filters and Fans	R-976-SGT Room	NA	7.95E05	Qualified
SGT-PS-540B	Bell Hfg Inc.	3500S-S	Energizes "B" Heaters, or On Low Flow "B" Train Filters and Fans	R-976-SGT Room	NA	7.95E05	Qualified
SGT-PT-545	Milton Roy	75/A6013932	SGT Flow to ERP Solenoid	R-958-RCI Valve Room	LI, 7E05	6m(H)	[5]
SGT-HTR-541 A,B	Indreco	TPX	Reduces Moisture Content by Heating Air	R-976-SGT Room	NA	7.95E05	[2]
SGT-TS-540 A,B	Honeywell	1400HE	Heater Thermal Cutout	R-976-SGT Room	NA	7.95E05	[5]
SGT-TS-541 A,B	Honeywell	1400HE	Heater Thermal Cutout	R-976-SGT Room	NA	7.95E05	[5]

Component Identification Code	Manufacturer	Model	Function	Location	Env. T/F	Env. Rel.	Requirement U, L, S	Comments
SGT-EP-543 A,B	Honeywell	31201-03	Inlet/Outlet DP Control	R-976-SGT Room	NA	7.95805	6m(L)	[5]
SGT-TS-539 A,B	Burling Instr. Co.	B-2C	Monitors Train A,B Outlet Temp	R-976-SGT Room		[4]	6m(L)	[5]

Component Identification Code	Manufacturer	Model	Function	Location	Env.		Requirement O.T.	Comments
					T/P	Rad.		
SW-PT-97A	GE	555	Flow of SW to RHR HX	R-859-NW Quad	C	7.95E05	6m(L)	S/N 4537189,90; [5][8]
SW-PT-97B	GE	555	Flow of SW to RHR HX	R-859-SW Quad	E	7.95E05	6m(L)	S/N 4537189,90; [5][8]
SW-MO-M089A	Limitorque	SMB-3	Disch from RHR HX SW Valve Control	R-903-RHR HX Room A	I	7.95E05	6m(L)	Qualified
SW-MOT-M089A	Porter Peerless	SMB-3	Disch from RHR HX SW Valve Control	R-903-RHR HX Room A	I	7.95E05	6m(L)	Qualified
SW-MO-M089B	Limitorque	SMB-3	Disch from RHR HX SW Valve Control	R-903-RHR HX Room B	I	7.95E05	6m(L)	Qualified
SW-MOT-M089B	Porter Peerless	SMB-3	Disch from RHR HX SW Valve Control	R-903-RHR HX Room B	I	7.95E05	6m(L)	Qualified
SW-DPT-91A,B	GE	552	RHR HX Tube to Shell DP	R-859-NW Quad, R-859-SW Quad		[4]	6m(L)	Pack 25-59, Rack 25-62
SW-PT-367A,B	Honeywell	292110101	Flow of SW to REC HX	R-931	J	7.95E05	6m(L)	S/N 4537191,2; [5][8]
SW-MO-886MV	Crane-Teledyne	T1-02	SW to REC Inter-tie Control	R-931-NE	J	7.95E05	6m(L)	[5]
SW-MO-887MV	Crane-Teledyne	T1-02	SW to REC Inter-tie Control	R-931-Rec Pump Area	J	7.95E05	6m(L)	[5]
SW-MO-888MV	Crane-Teledyne	T1-02	SW Ret from REC Inter-tie Control	R-903-N of CRD Accum.	H	7.95E05	6m(L)	[5]
SW-MO-889MV	Crane-Teledyne	T1-02	SW Ret from REC Inter-tie Control	R-903-N of CRD Accum. Control	H	7.95E05	6m(L)	[5]