Table 3.2-1 Classification Summary (Continued)

The classification information is presented by System* in the following order:

Item No.	MPL Number†	Title
P8	P40	Ultimate Heat Sink
P9	P41	Reactor Service Water System
P10	P42	Turbine Service Water System
P11	P51	Station Instrument Air System
P12	P52	Instrument Air System
P13	P54	High Pressure Nitrogen Gas Supply System
P14	P61	Heating Steam and Condensate Water Return System
P15	P62	House Boiler
P16	P63	Hot Water Heating System
P17	P73	Hydrogen Water Chemistry System
P18	P74	Zinc Injection System
P19	P81	Breathing Air System
P20	P91	Sampling System (Includes PASS)
P21	P92	Freeze Protection System
P22	P95	Iron Injection System
P23	P15	Alternate Feedwater Injection System
R Station Electrical Systems		
R1	R10	Electrical Power Distribution System
R2	R11	Unit Auxiliary Transformer
R3	R13	Isolated Phase Bus
R4	R21	Non-Segregated Phase Bus
R5	R22	Metalclad Switchgear
R6	R23	Power Center
R7	R24	Motor Control Center
R8	R31	Raceway System
R9	R34	Grounding Wire

* Systems that are in and out of the ABWR Standard Plant scope are included in this table. See Subsection 1.1.2 for the identification of the site-specific elements outside the scope of the ABWR Standard Plant.

† Master Parts List Number designated for the system.

‡ These systems or subsystems thereof, have a primary function that is safety-related. As shown in the balance of this Table, some of these systems contain non-safety-related components and, conversely, some systems whose primary functions are non-safety-related contain components that have been designated safety-related.

Table 3.2-1 Classification Summary (Continued)

The classification information is presented by System* in the following order:

Item No.	MPL Number†	Title
U2	U24	Turbine Pedestal
U3	U31	Cranes and Hoists
U4	U32	Elevator
U5	U41	Heating, Ventilating and Air Conditioning‡
U5.1	U42	Potable and Sanitary Water System
U6	U43	Fire Protection System
U7	U46	Floor Leakage Detection System
U8	U47	Vacuum Sweep System
U9	U48	Decontamination System
U10	U71	Reactor Building‡
U11	U72	Turbine Building‡
U12	U73	Control Building‡
U13	U74	Radwaste Building
U14	U75	Service Building
U15	Not Used	Not Used
U16	U83	Alternate Feedwater Injection Pump House
Y Yard Structures and Equipment		
Y1	Y31	Stack
Y2	Y52	Oil Storage and Transfer System
Y3	Y86	Site Security

* Systems that are in and out of the ABWR Standard Plant scope are included in this table. See Subsection 1.1.2 for the identification of the site-specific elements outside the scope of the ABWR Standard Plant.

† Master Parts List Number designated for the system.

‡ These systems or subsystems thereof, have a primary function that is safety-related. As shown in the balance of this Table, some of these systems contain non-safety-related components and, conversely, some systems whose primary functions are non-safety- related contain components that have been designated safety-related.

Table 3.2-1 Classification Summary (Continued)

Principal Component[a]	Safety Class[b]	Location[c]	Quality Group Classification[d]	Quality Assurance Requirement[e]	Seismic Category[f]	Notes
6. Other non-safety-related electrical components	N	SC,RZ,X	---	E	---	
P14 Heating Steam and Condensate Water Return System	N	T,SC,W	---	E	---	
P15 House Boiler	N	T	---	E	---	
P16 Hot Water Heating System	N	T	---	E	---	
P17 Hydrogen Water Chemistry System	N	T	---	E	---	
P18 Zinc Injection System	N	T	---	E	---	
P19 Breathing Air System	N	C,SC,T	---	E	---	
P20 Sampling System (Includes PASS)	N	SC,RZ,T	---	E	---	
P21 Freeze Protection System	N	O	---	E	---	
P22 Iron Injection System	N	T	---	E	---	
P23 Alternate Feedwater Injection System						
1. Pumps, Valves, Piping (except instrumentation as shown below)	N	A,M,O,SC	---	E	---	
2. Piping including supports – instrumentation up to and beyond outermost isolation valves (part of NBS)	2/N	SC	B/D	B/E	I/-	(g)
3. Instrumentation piping including supports and valves forming part of containment boundary – (part of ACS)	2	SC	B	B	I	
R1 Electrical Power Distribution System						
1. 120 VAC safety-related distribtuion equipment including inverters	3	SC,X,RZ,U	---	B	I	
2. Safety-related Motors	3	SC,C,X, RZ,U	---	B	I	

Table 3.2-1 Classification Summary (Continued)

Principal Component[a]	Safety Class[b]	Location[c]	Qualty Group Classi-fication[d]	Quality Assur-Ance Require-ment[e]	Seismic Category[f]	Notes
7.. Cables	N	SC,X,RZ,H,T,W,F	---	E	---	(t) (u)
8. Sprinklers or deluge water	N	H,W,SC,RZ,T,O	D	E	---	(t) (u)
9. Foam, reaction or deluge	N	RZ,T	---	E	---	(t) (u)
U7 Floor Leakage Detection System	N	SC,RZ	---	E	---	
U8 Vacuum Sweep System	N	C,SC	---	E	---	
U9 Decontamination System	N	C,SC,RZ,T,W,S,X	---	E	---	
U10 Reactor Building	3	C,SC,RZ,M	---	B	I	
U11 Turbine Building	N	T	---	E	---	(v)
U12 Control Building	3	X	---	B	I	
U13 Radwaste Building						
1. Structural walls and slabs above grade level (see Subsection 3H.3.3)	N	W	---	E	---	
2. Radwaste Building Substructure	3	W	---	B	I	
U14 Service Building	N	H	---	E	---	
U15 Not Used						
U16 Alternate Feedwater Injection Pump House	N	A	---	E	---	
Y1 Stack	N	RZ	---	E	---	

Notes and footnotes are listed on pages 3.2-54 through 3.2-61.

M	=	Reactor Building steam tunnel
O	=	Outside onsite
RZ	=	Reactor Building Clean Zone (balance portion of the reactor building outside the Secondary Containment Zone)
SC	=	Secondary Containment portion of the reactor building
T	=	Turbine Building
W	=	Radwaste Building
X	=	Control Building
F	=	Firewater Pump House1
U	=	Ultimate Heat Sink Pump House*
P	=	Power Cycle Heat Sink Pump House*
A	=	Alternate Feedwater Injection Pump House

d. A,B,C,D= Quality groups defined in Regulatory Guide 1.26 and Subsection . The structures, systems and components are designed and constructed in accordance with the requirements identified in Tables and .

--- = Quality Group Classification not applicable to this equipment.

e. B = The quality assurance requirements of 10CFR50, Appendix B are applied in accordance with the quality assurance program described in Chapter 17.

E = Elements of 10CFR50, Appendix B are generally applied, commensurate with the importance of the equipment's function.

f. I = The design requirements of Seismic Category I structures and equipment are applied as described in Section 3.7, Seismic Design.

--- = The seismic design requirements for the safe shutdown earthquake (SSE) are not applicable to the equipment. However, the equipment that is not safety-related but which could damage Seismic Category I equipment if its structural integrity failed is checked analytically and designed to assure its integrity under seismic loading resulting from the SSE.

g. 1. Lines 25A and smaller which are part of the reactor coolant pressure boundary and are ASME Code Section III, Class 2 and Seismic Category I.

2. All instrument lines which are connected to the reactor coolant pressure boundary and are utilized to actuate and monitor safety systems shall be

* Pump House structures are out of the ABWR Standard Plant scope.