

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 1 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
<b>Fluid Systems</b>							
<b>Reactor Coolant System (RCS)</b>							
<b>RPV</b>							
Reactor Pressure Vessel	30JAA10BB001	30UJA11001	H	H	SI S		Y (5)
RPV O-ring Leakoff Vlv #1	30JAA10AA003	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RPV O-ring Leakoff Vlv #2	30JAA10AA004	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RPV O-ring Leakoff Drain Vlv	30JAA10AA301	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RPV O-ring Leakoff Press Iso Vlv	30JAA10AA302	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RPV High Point Vent Vlv #1	30JAA10AA501	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
RPV High Point Vent Vlv #2	30JAA10AA502	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
RPV High Point Vent Vlv #3	30JAA10AA506	30UJA18019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RPV High Point Vent Vlv #4	30JAA10AA505	30UJA18019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RPV High Point Vent Vlv #5	30JAA10AA507	30UJA18019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RPV High Point Vent Vlv #6	30JAA10AA503	30UJA18019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RPV High Point Vent Vlv #7	30JAA10AA504	30UJA18019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
Post Acc RPV High Pt Vent Vlv #1	30JAA10AA508	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
Post Acc RPV High Pt Vent Vlv #2	30JAA10AA509	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
Post Acc RPV High Pt Vent Vlv #3	30JAA10AA510	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
Post Acc RPV High Pt Vent Vlv #4	30JAA10AA511	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
Post Acc High Pt Vent Flow Restrictor	30JAA10BP001	30UJA18019	H	H	SII NS-AQ		Y (5)
Vlv AA503 Position Sensor (M)	30JAA10CG503B	30UJA18019	H	H	SII NS-AQ		Y (5)
Vlv AA504 Position Sensor (M)	30JAA10CG504B	30UJA18019	H	H	SII NS-AQ		Y (5)
Vlv AA505 Position Sensor (M)	30JAA10CG505B	30UJA18019	H	H	SII NS-AQ		Y (5)
RPV Inner O-Ring Press Sensor (PB)	30JAA10CP050	30UJA15005	H	H	SII NS-AQ		Y (5)
RPV Inner O-Ring Temp Sensor (PB)	30JAA10CT050	30UJA15005	H	H	SII NS-AQ		Y (5)
<b>CRDMs</b>							
CRDM #1 Latch Mechanism	30JDA01AE	30UJA11001	H	H	SI S		Y (5)
CRDM #1 Pressure Housing	30JDA01AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #1 Position Sensor (M)	30JDA01CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #1 Top Position Limit Sensor (M)	30JDA01CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #1 Bottom Position Limit Sensor (M)	30JDA01CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #1 Temperature Sensor (M)	30JDA01CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #2 Latch Mechanism	30JDA02AE	30UJA11001	H	H	SI S		Y (5)
CRDM #2 Pressure Housing	30JDA02AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #2 Position Sensor (M)	30JDA02CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #2 Top Position Limit Sensor (M)	30JDA02CG802	30UJA11001	H	H	SII NS-AQ		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 2 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #2 Bottom Position Limit Sensor (M)	30JDA02CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #2 Temperature Sensor (M)	30JDA02CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #3 Latch Mechanism	30JDA03AE	30UJA11001	H	H	SI S		Y (5)
CRDM #3 Pressure Housing	30JDA03AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #3 Position Sensor (M)	30JDA03CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #3 Top Position Limit Sensor (M)	30JDA03CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #3 Bottom Position Limit Sensor (M)	30JDA03CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #3 Temperature Sensor (M)	30JDA03CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #4 Latch Mechanism	30JDA04AE	30UJA11001	H	H	SI S		Y (5)
CRDM #4 Pressure Housing	30JDA04AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #4 Position Sensor (M)	30JDA04CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #4 Top Position Limit Sensor (M)	30JDA04CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #4 Bottom Position Limit Sensor (M)	30JDA04CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #4 Temperature Sensor (M)	30JDA04CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #5 Latch Mechanism	30JDA05AE	30UJA11001	H	H	SI S		Y (5)
CRDM #5 Pressure Housing	30JDA05AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #5 Position Sensor (M)	30JDA05CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #5 Top Position Limit Sensor (M)	30JDA05CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #5 Bottom Position Limit Sensor (M)	30JDA05CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #5 Temperature Sensor (M)	30JDA05CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #6 Latch Mechanism	30JDA06AE	30UJA11001	H	H	SI S		Y (5)
CRDM #6 Pressure Housing	30JDA06AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #6 Position Sensor (M)	30JDA06CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #6 Top Position Limit Sensor (M)	30JDA06CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #6 Bottom Position Limit Sensor (M)	30JDA06CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #6 Temperature Sensor (M)	30JDA06CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #7 Latch Mechanism	30JDA07AE	30UJA11001	H	H	SI S		Y (5)
CRDM #7 Pressure Housing	30JDA07AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #7 Position Sensor (M)	30JDA07CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #7 Top Position Limit Sensor (M)	30JDA07CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #7 Bottom Position Limit Sensor (M)	30JDA07CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #7 Temperature Sensor (M)	30JDA07CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #8 Latch Mechanism	30JDA08AE	30UJA11001	H	H	SI S		Y (5)
CRDM #8 Pressure Housing	30JDA08AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #8 Position Sensor (M)	30JDA08CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #8 Top Position Limit Sensor (M)	30JDA08CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #8 Bottom Position Limit Sensor (M)	30JDA08CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #8 Temperature Sensor (M)	30JDA08CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #9 Latch Mechanism	30JDA09AE	30UJA11001	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 3 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #9 Pressure Housing	30JDA09AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #9 Position Sensor (M)	30JDA09CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #9 Top Position Limit Sensor (M)	30JDA09CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #9 Bottom Position Limit Sensor (M)	30JDA09CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #9 Temperature Sensor (M)	30JDA09CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #10 Latch Mechanism	30JDA10AE	30UJA11001	H	H	SI S		Y (5)
CRDM #10 Pressure Housing	30JDA10AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #10 Position Sensor (M)	30JDA10CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #10 Top Position Limit Sensor (M)	30JDA10CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #10 Bottom Position Limit Sensor (M)	30JDA10CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #10 Temperature Sensor (M)	30JDA10CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #11 Latch Mechanism	30JDA11AE	30UJA11001	H	H	SI S		Y (5)
CRDM #11 Pressure Housing	30JDA11AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #11 Position Sensor (M)	30JDA11CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #11 Top Position Limit Sensor (M)	30JDA11CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #11 Bottom Position Limit Sensor (M)	30JDA11CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #11 Temperature Sensor (M)	30JDA11CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #12 Latch Mechanism	30JDA12AE	30UJA11001	H	H	SI S		Y (5)
CRDM #12 Pressure Housing	30JDA12AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #12 Position Sensor (M)	30JDA12CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #12 Top Position Limit Sensor (M)	30JDA12CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #12 Bottom Position Limit Sensor (M)	30JDA12CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #12 Temperature Sensor (M)	30JDA12CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #13 Latch Mechanism	30JDA13AE	30UJA11001	H	H	SI S		Y (5)
CRDM #13 Pressure Housing	30JDA13AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #13 Position Sensor (M)	30JDA13CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #13 Top Position Limit Sensor (M)	30JDA13CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #13 Bottom Position Limit Sensor (M)	30JDA13CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #13 Temperature Sensor (M)	30JDA13CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #14 Latch Mechanism	30JDA14AE	30UJA11001	H	H	SI S		Y (5)
CRDM #14 Pressure Housing	30JDA14AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #14 Position Sensor (M)	30JDA14CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #14 Top Position Limit Sensor (M)	30JDA14CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #14 Bottom Position Limit Sensor (M)	30JDA14CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #14 Temperature Sensor (M)	30JDA14CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #15 Latch Mechanism	30JDA15AE	30UJA11001	H	H	SI S		Y (5)
CRDM #15 Pressure Housing	30JDA15AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #15 Position Sensor (M)	30JDA15CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #15 Top Position Limit Sensor (M)	30JDA15CG802	30UJA11001	H	H	SII NS-AQ		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 4 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #15 Bottom Position Limit Sensor (M)	30JDA15CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #15 Temperature Sensor (M)	30JDA15CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #16 Latch Mechanism	30JDA16AE	30UJA11001	H	H	SI S		Y (5)
CRDM #16 Pressure Housing	30JDA16AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #16 Position Sensor (M)	30JDA16CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #16 Top Position Limit Sensor (M)	30JDA16CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #16 Bottom Position Limit Sensor (M)	30JDA16CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #16 Temperature Sensor (M)	30JDA16CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #17 Latch Mechanism	30JDA17AE	30UJA11001	H	H	SI S		Y (5)
CRDM #17 Pressure Housing	30JDA17AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #17 Position Sensor (M)	30JDA17CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #17 Top Position Limit Sensor (M)	30JDA17CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #17 Bottom Position Limit Sensor (M)	30JDA17CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #17 Temperature Sensor (M)	30JDA17CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #18 Latch Mechanism	30JDA18AE	30UJA11001	H	H	SI S		Y (5)
CRDM #18 Pressure Housing	30JDA18AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #18 Position Sensor (M)	30JDA18CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #18 Top Position Limit Sensor (M)	30JDA18CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #18 Bottom Position Limit Sensor (M)	30JDA18CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #18 Temperature Sensor (M)	30JDA18CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #19 Latch Mechanism	30JDA19AE	30UJA11001	H	H	SI S		Y (5)
CRDM #19 Pressure Housing	30JDA19AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #19 Position Sensor (M)	30JDA19CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #19 Top Position Limit Sensor (M)	30JDA19CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #19 Bottom Position Limit Sensor (M)	30JDA19CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #19 Temperature Sensor (M)	30JDA19CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #20 Latch Mechanism	30JDA20AE	30UJA11001	H	H	SI S		Y (5)
CRDM #20 Pressure Housing	30JDA20AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #20 Position Sensor (M)	30JDA20CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #20 Top Position Limit Sensor (M)	30JDA20CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #20 Bottom Position Limit Sensor (M)	30JDA20CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #20 Temperature Sensor (M)	30JDA20CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #21 Latch Mechanism	30JDA21AE	30UJA11001	H	H	SI S		Y (5)
CRDM #21 Pressure Housing	30JDA21AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #21 Position Sensor (M)	30JDA21CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #21 Top Position Limit Sensor (M)	30JDA21CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #21 Bottom Position Limit Sensor (M)	30JDA21CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #21 Temperature Sensor (M)	30JDA21CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #22 Latch Mechanism	30JDA22AE	30UJA11001	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 5 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #22 Pressure Housing	30JDA22AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #22 Position Sensor (M)	30JDA22CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #22 Top Position Limit Sensor (M)	30JDA22CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #22 Bottom Position Limit Sensor (M)	30JDA22CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #22 Temperature Sensor (M)	30JDA22CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #26 Latch Mechanism	30JDA26AE	30UJA11001	H	H	SI S		Y (5)
CRDM #26 Pressure Housing	30JDA26AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #26 Position Sensor (M)	30JDA26CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #26 Top Position Limit Sensor (M)	30JDA26CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #26 Bottom Position Limit Sensor (M)	30JDA26CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #26 Temperature Sensor (M)	30JDA26CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #27 Latch Mechanism	30JDA27AE	30UJA11001	H	H	SI S		Y (5)
CRDM #27 Pressure Housing	30JDA27AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #27 Position Sensor (M)	30JDA27CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #27 Top Position Limit Sensor (M)	30JDA27CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #27 Bottom Position Limit Sensor (M)	30JDA27CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #27 Temperature Sensor (M)	30JDA27CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #28 Latch Mechanism	30JDA28AE	30UJA11001	H	H	SI S		Y (5)
CRDM #28 Pressure Housing	30JDA28AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #28 Position Sensor (M)	30JDA28CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #28 Top Position Limit Sensor (M)	30JDA28CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #28 Bottom Position Limit Sensor (M)	30JDA28CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #28 Temperature Sensor (M)	30JDA28CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #29 Latch Mechanism	30JDA29AE	30UJA11001	H	H	SI S		Y (5)
CRDM #29 Pressure Housing	30JDA29AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #29 Position Sensor (M)	30JDA29CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #29 Top Position Limit Sensor (M)	30JDA29CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #29 Bottom Position Limit Sensor (M)	30JDA29CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #29 Temperature Sensor (M)	30JDA29CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #30 Latch Mechanism	30JDA30AE	30UJA11001	H	H	SI S		Y (5)
CRDM #30 Pressure Housing	30JDA30AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #30 Position Sensor (M)	30JDA30CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #30 Top Position Limit Sensor (M)	30JDA30CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #30 Bottom Position Limit Sensor (M)	30JDA30CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #30 Temperature Sensor (M)	30JDA30CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #31 Latch Mechanism	30JDA31AE	30UJA11001	H	H	SI S		Y (5)
CRDM #31 Pressure Housing	30JDA31AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #31 Position Sensor (M)	30JDA31CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #31 Top Position Limit Sensor (M)	30JDA31CG802	30UJA11001	H	H	SII NS-AQ		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 6 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #31 Bottom Position Limit Sensor (M)	30JDA31CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #31 Temperature Sensor (M)	30JDA31CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #32 Latch Mechanism	30JDA32AE	30UJA11001	H	H	SI S		Y (5)
CRDM #32 Pressure Housing	30JDA32AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #32 Position Sensor (M)	30JDA32CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #32 Top Position Limit Sensor (M)	30JDA32CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #32 Bottom Position Limit Sensor (M)	30JDA32CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #32 Temperature Sensor (M)	30JDA32CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #33 Latch Mechanism	30JDA33AE	30UJA11001	H	H	SI S		Y (5)
CRDM #33 Pressure Housing	30JDA33AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #33 Position Sensor (M)	30JDA33CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #33 Top Position Limit Sensor (M)	30JDA33CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #33 Bottom Position Limit Sensor (M)	30JDA33CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #33 Temperature Sensor (M)	30JDA33CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #34 Latch Mechanism	30JDA34AE	30UJA11001	H	H	SI S		Y (5)
CRDM #34 Pressure Housing	30JDA34AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #34 Position Sensor (M)	30JDA34CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #34 Top Position Limit Sensor (M)	30JDA34CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #34 Bottom Position Limit Sensor (M)	30JDA34CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #34 Temperature Sensor (M)	30JDA34CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #35 Latch Mechanism	30JDA35AE	30UJA11001	H	H	SI S		Y (5)
CRDM #35 Pressure Housing	30JDA35AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #35 Position Sensor (M)	30JDA35CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #35 Top Position Limit Sensor (M)	30JDA35CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #35 Bottom Position Limit Sensor (M)	30JDA35CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #35 Temperature Sensor (M)	30JDA35CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #36 Latch Mechanism	30JDA36AE	30UJA11001	H	H	SI S		Y (5)
CRDM #36 Pressure Housing	30JDA36AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #36 Position Sensor (M)	30JDA36CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #36 Top Position Limit Sensor (M)	30JDA36CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #36 Bottom Position Limit Sensor (M)	30JDA36CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #36 Temperature Sensor (M)	30JDA36CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #37 Latch Mechanism	30JDA37AE	30UJA11001	H	H	SI S		Y (5)
CRDM #37 Pressure Housing	30JDA37AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #37 Position Sensor (M)	30JDA37CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #37 Top Position Limit Sensor (M)	30JDA37CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #37 Bottom Position Limit Sensor (M)	30JDA37CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #37 Temperature Sensor (M)	30JDA37CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #38 Latch Mechanism	30JDA38AE	30UJA11001	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 7 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #38 Pressure Housing	30JDA38AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #38 Position Sensor (M)	30JDA38CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #38 Top Position Limit Sensor (M)	30JDA38CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #38 Bottom Position Limit Sensor (M)	30JDA38CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #38 Temperature Sensor (M)	30JDA38CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #39 Latch Mechanism	30JDA39AE	30UJA11001	H	H	SI S		Y (5)
CRDM #39 Pressure Housing	30JDA39AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #39 Position Sensor (M)	30JDA39CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #39 Top Position Limit Sensor (M)	30JDA39CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #39 Bottom Position Limit Sensor (M)	30JDA39CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #39 Temperature Sensor (M)	30JDA39CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #40 Latch Mechanism	30JDA40AE	30UJA11001	H	H	SI S		Y (5)
CRDM #40 Pressure Housing	30JDA40AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #40 Position Sensor (M)	30JDA40CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #40 Top Position Limit Sensor (M)	30JDA40CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #40 Bottom Position Limit Sensor (M)	30JDA40CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #40 Temperature Sensor (M)	30JDA40CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #41 Latch Mechanism	30JDA41AE	30UJA11001	H	H	SI S		Y (5)
CRDM #41 Pressure Housing	30JDA41AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #41 Position Sensor (M)	30JDA41CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #41 Top Position Limit Sensor (M)	30JDA41CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #41 Bottom Position Limit Sensor (M)	30JDA41CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #41 Temperature Sensor (M)	30JDA41CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #42 Latch Mechanism	30JDA42AE	30UJA11001	H	H	SI S		Y (5)
CRDM #42 Pressure Housing	30JDA42AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #42 Position Sensor (M)	30JDA42CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #42 Top Position Limit Sensor (M)	30JDA42CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #42 Bottom Position Limit Sensor (M)	30JDA42CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #42 Temperature Sensor (M)	30JDA42CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #43 Latch Mechanism	30JDA43AE	30UJA11001	H	H	SI S		Y (5)
CRDM #43 Pressure Housing	30JDA43AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #43 Position Sensor (M)	30JDA43CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #43 Top Position Limit Sensor (M)	30JDA43CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #43 Bottom Position Limit Sensor (M)	30JDA43CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #43 Temperature Sensor (M)	30JDA43CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #44 Latch Mechanism	30JDA44AE	30UJA11001	H	H	SI S		Y (5)
CRDM #44 Pressure Housing	30JDA44AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #44 Position Sensor (M)	30JDA44CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #44 Top Position Limit Sensor (M)	30JDA44CG802	30UJA11001	H	H	SII NS-AQ		Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 8 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #44 Bottom Position Limit Sensor (M)	30JDA44CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #44 Temperature Sensor (M)	30JDA44CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #45 Latch Mechanism	30JDA45AE	30UJA11001	H	H	SI S		Y (5)
CRDM #45 Pressure Housing	30JDA45AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #45 Position Sensor (M)	30JDA45CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #45 Top Position Limit Sensor (M)	30JDA45CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #45 Bottom Position Limit Sensor (M)	30JDA45CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #45 Temperature Sensor (M)	30JDA45CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #46 Latch Mechanism	30JDA46AE	30UJA11001	H	H	SI S		Y (5)
CRDM #46 Pressure Housing	30JDA46AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #46 Position Sensor (M)	30JDA46CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #46 Top Position Limit Sensor (M)	30JDA46CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #46 Bottom Position Limit Sensor (M)	30JDA46CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #46 Temperature Sensor (M)	30JDA46CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #47 Latch Mechanism	30JDA47AE	30UJA11001	H	H	SI S		Y (5)
CRDM #47 Pressure Housing	30JDA47AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #47 Position Sensor (M)	30JDA47CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #47 Top Position Limit Sensor (M)	30JDA47CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #47 Bottom Position Limit Sensor (M)	30JDA47CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #47 Temperature Sensor (M)	30JDA47CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #51 Latch Mechanism	30JDA51AE	30UJA11001	H	H	SI S		Y (5)
CRDM #51 Pressure Housing	30JDA51AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #51 Position Sensor (M)	30JDA51CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #51 Top Position Limit Sensor (M)	30JDA51CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #51 Bottom Position Limit Sensor (M)	30JDA51CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #51 Temperature Sensor (M)	30JDA51CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #52 Latch Mechanism	30JDA52AE	30UJA11001	H	H	SI S		Y (5)
CRDM #52 Pressure Housing	30JDA52AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #52 Position Sensor (M)	30JDA52CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #52 Top Position Limit Sensor (M)	30JDA52CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #52 Bottom Position Limit Sensor (M)	30JDA52CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #52 Temperature Sensor (M)	30JDA52CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #53 Latch Mechanism	30JDA53AE	30UJA11001	H	H	SI S		Y (5)
CRDM #53 Pressure Housing	30JDA53AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #53 Position Sensor (M)	30JDA53CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #53 Top Position Limit Sensor (M)	30JDA53CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #53 Bottom Position Limit Sensor (M)	30JDA53CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #53 Temperature Sensor (M)	30JDA53CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #54 Latch Mechanism	30JDA54AE	30UJA11001	H	H	SI S		Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 9 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #54 Pressure Housing	30JDA54AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #54 Position Sensor (M)	30JDA54CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #54 Top Position Limit Sensor (M)	30JDA54CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #54 Bottom Position Limit Sensor (M)	30JDA54CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #54 Temperature Sensor (M)	30JDA54CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #55 Latch Mechanism	30JDA55AE	30UJA11001	H	H	SI S		Y (5)
CRDM #55 Pressure Housing	30JDA55AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #55 Position Sensor (M)	30JDA55CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #55 Top Position Limit Sensor (M)	30JDA55CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #55 Bottom Position Limit Sensor (M)	30JDA55CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #55 Temperature Sensor (M)	30JDA55CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #56 Latch Mechanism	30JDA56AE	30UJA11001	H	H	SI S		Y (5)
CRDM #56 Pressure Housing	30JDA56AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #56 Position Sensor (M)	30JDA56CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #56 Top Position Limit Sensor (M)	30JDA56CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #56 Bottom Position Limit Sensor (M)	30JDA56CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #56 Temperature Sensor (M)	30JDA56CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #57 Latch Mechanism	30JDA57AE	30UJA11001	H	H	SI S		Y (5)
CRDM #57 Pressure Housing	30JDA57AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #57 Position Sensor (M)	30JDA57CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #57 Top Position Limit Sensor (M)	30JDA57CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #57 Bottom Position Limit Sensor (M)	30JDA57CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #57 Temperature Sensor (PB)	30JDA57CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #58 Latch Mechanism	30JDA58AE	30UJA11001	H	H	SI S		Y (5)
CRDM #58 Pressure Housing	30JDA58AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #58 Position Sensor (M)	30JDA58CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #58 Top Position Limit Sensor (M)	30JDA58CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #58 Bottom Position Limit Sensor (M)	30JDA58CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #58 Temperature Sensor (PB)	30JDA58CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #59 Latch Mechanism	30JDA59AE	30UJA11001	H	H	SI S		Y (5)
CRDM #59 Pressure Housing	30JDA59AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #59 Position Sensor (M)	30JDA59CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #59 Top Position Limit Sensor (M)	30JDA59CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #59 Bottom Position Limit Sensor (M)	30JDA59CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #59 Temperature Sensor (M)	30JDA59CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #60 Latch Mechanism	30JDA60AE	30UJA11001	H	H	SI S		Y (5)
CRDM #60 Pressure Housing	30JDA60AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #60 Position Sensor (M)	30JDA60CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #60 Top Position Limit Sensor (M)	30JDA60CG802	30UJA11001	H	H	SII NS-AQ		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 10 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #60 Bottom Position Limit Sensor (M)	30JDA60CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #60 Temperature Sensor (M)	30JDA60CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #61 Latch Mechanism	30JDA61AE	30UJA11001	H	H	SI S		Y (5)
CRDM #61 Pressure Housing	30JDA61AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #61 Position Sensor (M)	30JDA61CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #61 Top Position Limit Sensor (M)	30JDA61CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #61 Bottom Position Limit Sensor (M)	30JDA61CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #61 Temperature Sensor (M)	30JDA61CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #62 Latch Mechanism	30JDA62AE	30UJA11001	H	H	SI S		Y (5)
CRDM #62 Pressure Housing	30JDA62AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #62 Position Sensor (M)	30JDA62CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #62 Top Position Limit Sensor (M)	30JDA62CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #62 Bottom Position Limit Sensor (M)	30JDA62CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #62 Temperature Sensor (M)	30JDA62CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #63 Latch Mechanism	30JDA63AE	30UJA11001	H	H	SI S		Y (5)
CRDM #63 Pressure Housing	30JDA63AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #63 Position Sensor (M)	30JDA63CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #63 Top Position Limit Sensor (M)	30JDA63CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #63 Bottom Position Limit Sensor (M)	30JDA63CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #63 Temperature Sensor (M)	30JDA63CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #64 Latch Mechanism	30JDA64AE	30UJA11001	H	H	SI S		Y (5)
CRDM #64 Pressure Housing	30JDA64AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #64 Position Sensor (M)	30JDA64CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #64 Top Position Limit Sensor (M)	30JDA64CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #64 Bottom Position Limit Sensor (M)	30JDA64CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #64 Temperature Sensor (M)	30JDA64CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #65 Latch Mechanism	30JDA65AE	30UJA11001	H	H	SI S		Y (5)
CRDM #65 Pressure Housing	30JDA65AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #65 Position Sensor (M)	30JDA65CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #65 Top Position Limit Sensor (M)	30JDA65CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #65 Bottom Position Limit Sensor (M)	30JDA65CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #65 Temperature Sensor (M)	30JDA65CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #66 Latch Mechanism	30JDA66AE	30UJA11001	H	H	SI S		Y (5)
CRDM #66 Pressure Housing	30JDA66AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #66 Position Sensor (M)	30JDA66CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #66 Top Position Limit Sensor (M)	30JDA66CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #66 Bottom Position Limit Sensor (M)	30JDA66CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #66 Temperature Sensor (M)	30JDA66CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #67 Latch Mechanism	30JDA67AE	30UJA11001	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 11 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #67 Pressure Housing	30JDA67AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #67 Position Sensor (M)	30JDA67CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #67 Top Position Limit Sensor (M)	30JDA67CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #67 Bottom Position Limit Sensor (M)	30JDA67CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #67 Temperature Sensor (M)	30JDA67CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #68 Latch Mechanism	30JDA68AE	30UJA11001	H	H	SI S		Y (5)
CRDM #68 Pressure Housing	30JDA68AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #68 Position Sensor (M)	30JDA68CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #68 Top Position Limit Sensor (M)	30JDA68CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #68 Bottom Position Limit Sensor (M)	30JDA68CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #68 Temperature Sensor (M)	30JDA68CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #69 Latch Mechanism	30JDA69AE	30UJA11001	H	H	SI S		Y (5)
CRDM #69 Pressure Housing	30JDA69AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #69 Position Sensor (M)	30JDA69CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #69 Top Position Limit Sensor (M)	30JDA69CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #69 Bottom Position Limit Sensor (M)	30JDA69CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #69 Temperature Sensor (M)	30JDA69CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #70 Latch Mechanism	30JDA70AE	30UJA11001	H	H	SI S		Y (5)
CRDM #70 Pressure Housing	30JDA70AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #70 Position Sensor (M)	30JDA70CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #70 Top Position Limit Sensor (M)	30JDA70CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #70 Bottom Position Limit Sensor (M)	30JDA70CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #70 Temperature Sensor (M)	30JDA70CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #71 Latch Mechanism	30JDA71AE	30UJA11001	H	H	SI S		Y (5)
CRDM #71 Pressure Housing	30JDA71AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #71 Position Sensor (M)	30JDA71CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #71 Top Position Limit Sensor (M)	30JDA71CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #71 Bottom Position Limit Sensor (M)	30JDA71CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #71 Temperature Sensor (M)	30JDA71CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #72 Latch Mechanism	30JDA72AE	30UJA11001	H	H	SI S		Y (5)
CRDM #72 Pressure Housing	30JDA72AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #72 Position Sensor (M)	30JDA72CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #72 Top Position Limit Sensor (M)	30JDA72CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #72 Bottom Position Limit Sensor (M)	30JDA72CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #72 Temperature Sensor (M)	30JDA72CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #76 Latch Mechanism	30JDA76AE	30UJA11001	H	H	SI S		Y (5)
CRDM #76 Pressure Housing	30JDA76AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #76 Position Sensor (M)	30JDA76CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #76 Top Position Limit Sensor (M)	30JDA76CG802	30UJA11001	H	H	SII NS-AQ		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 12 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #76 Bottom Position Limit Sensor (M)	30JDA76CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #76 Temperature Sensor (M)	30JDA76CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #77 Latch Mechanism	30JDA77AE	30UJA11001	H	H	SI S		Y (5)
CRDM #77 Pressure Housing	30JDA77AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #77 Position Sensor (M)	30JDA77CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #77 Top Position Limit Sensor (M)	30JDA77CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #77 Bottom Position Limit Sensor (M)	30JDA77CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #77 Temperature Sensor (M)	30JDA77CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #78 Latch Mechanism	30JDA78AE	30UJA11001	H	H	SI S		Y (5)
CRDM #78 Pressure Housing	30JDA78AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #78 Position Sensor (M)	30JDA78CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #78 Top Position Limit Sensor (M)	30JDA78CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #78 Bottom Position Limit Sensor (M)	30JDA78CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #78 Temperature Sensor (M)	30JDA78CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #79 Latch Mechanism	30JDA79AE	30UJA11001	H	H	SI S		Y (5)
CRDM #79 Pressure Housing	30JDA79AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #79 Position Sensor (M)	30JDA79CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #79 Top Position Limit Sensor (M)	30JDA79CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #79 Bottom Position Limit Sensor (M)	30JDA79CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #79 Temperature Sensor (M)	30JDA79CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #80 Latch Mechanism	30JDA80AE	30UJA11001	H	H	SI S		Y (5)
CRDM #80 Pressure Housing	30JDA80AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #80 Position Sensor (M)	30JDA80CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #80 Top Position Limit Sensor (M)	30JDA80CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #80 Bottom Position Limit Sensor (M)	30JDA80CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #80 Temperature Sensor (M)	30JDA80CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #81 Latch Mechanism	30JDA81AE	30UJA11001	H	H	SI S		Y (5)
CRDM #81 Pressure Housing	30JDA81AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #81 Position Sensor (M)	30JDA81CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #81 Top Position Limit Sensor (M)	30JDA81CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #81 Bottom Position Limit Sensor (M)	30JDA81CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #81 Temperature Sensor (M)	30JDA81CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #82 Latch Mechanism	30JDA82AE	30UJA11001	H	H	SI S		Y (5)
CRDM #82 Pressure Housing	30JDA82AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #82 Position Sensor (M)	30JDA82CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #82 Top Position Limit Sensor (M)	30JDA82CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #82 Bottom Position Limit Sensor (M)	30JDA82CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #82 Temperature Sensor (M)	30JDA82CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #83 Latch Mechanism	30JDA83AE	30UJA11001	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 13 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #83 Pressure Housing	30JDA83AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #83 Position Sensor (M)	30JDA83CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #83 Top Position Limit Sensor (M)	30JDA83CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #83 Bottom Position Limit Sensor (M)	30JDA83CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #83 Temperature Sensor (M)	30JDA83CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #84 Latch Mechanism	30JDA84AE	30UJA11001	H	H	SI S		Y (5)
CRDM #84 Pressure Housing	30JDA84AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #84 Position Sensor (M)	30JDA84CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #84 Top Position Limit Sensor (M)	30JDA84CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #84 Bottom Position Limit Sensor (M)	30JDA84CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #84 Temperature Sensor (M)	30JDA84CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #85 Latch Mechanism	30JDA85AE	30UJA11001	H	H	SI S		Y (5)
CRDM #85 Pressure Housing	30JDA85AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #85 Position Sensor (M)	30JDA85CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #85 Top Position Limit Sensor (M)	30JDA85CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #85 Bottom Position Limit Sensor (M)	30JDA85CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #85 Temperature Sensor (M)	30JDA85CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #86 Latch Mechanism	30JDA86AE	30UJA11001	H	H	SI S		Y (5)
CRDM #86 Pressure Housing	30JDA86AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #86 Position Sensor (M)	30JDA86CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #86 Top Position Limit Sensor (M)	30JDA86CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #86 Bottom Position Limit Sensor (M)	30JDA86CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #86 Temperature Sensor (M)	30JDA86CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #87 Latch Mechanism	30JDA87AE	30UJA11001	H	H	SI S		Y (5)
CRDM #87 Pressure Housing	30JDA87AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #87 Position Sensor (M)	30JDA87CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #87 Top Position Limit Sensor (M)	30JDA87CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #87 Bottom Position Limit Sensor (M)	30JDA87CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #87 Temperature Sensor (M)	30JDA87CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #88 Latch Mechanism	30JDA88AE	30UJA11001	H	H	SI S		Y (5)
CRDM #88 Pressure Housing	30JDA88AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #88 Position Sensor (M)	30JDA88CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #88 Top Position Limit Sensor (M)	30JDA88CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #88 Bottom Position Limit Sensor (M)	30JDA88CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #88 Temperature Sensor (M)	30JDA88CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #89 Latch Mechanism	30JDA89AE	30UJA11001	H	H	SI S		Y (5)
CRDM #89 Pressure Housing	30JDA89AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #89 Position Sensor (M)	30JDA89CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #89 Top Position Limit Sensor (M)	30JDA89CG802	30UJA11001	H	H	SII NS-AQ		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 14 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #89 Bottom Position Limit Sensor (M)	30JDA89CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #89 Temperature Sensor (M)	30JDA89CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #90 Latch Mechanism	30JDA90AE	30UJA11001	H	H	SI S		Y (5)
CRDM #90 Pressure Housing	30JDA90AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #90 Position Sensor (M)	30JDA90CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #90 Top Position Limit Sensor (M)	30JDA90CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #90 Bottom Position Limit Sensor (M)	30JDA90CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #90 Temperature Sensor (M)	30JDA90CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #91 Latch Mechanism	30JDA91AE	30UJA11001	H	H	SI S		Y (5)
CRDM #91 Pressure Housing	30JDA91AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #91 Position Sensor (M)	30JDA91CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #91 Top Position Limit Sensor (M)	30JDA91CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #91 Bottom Position Limit Sensor (M)	30JDA91CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #91 Temperature Sensor (M)	30JDA91CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #92 Latch Mechanism	30JDA92AE	30UJA11001	H	H	SI S		Y (5)
CRDM #92 Pressure Housing	30JDA92AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #92 Position Sensor (M)	30JDA92CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #92 Top Position Limit Sensor (M)	30JDA92CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #92 Bottom Position Limit Sensor (M)	30JDA92CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #92 Temperature Sensor (M)	30JDA92CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #93 Latch Mechanism	30JDA93AE	30UJA11001	H	H	SI S		Y (5)
CRDM #93 Pressure Housing	30JDA93AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #93 Position Sensor (M)	30JDA93CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #93 Top Position Limit Sensor (M)	30JDA93CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #93 Bottom Position Limit Sensor (M)	30JDA93CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #93 Temperature Sensor (M)	30JDA93CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #94 Latch Mechanism	30JDA94AE	30UJA11001	H	H	SI S		Y (5)
CRDM #94 Pressure Housing	30JDA94AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #94 Position Sensor (M)	30JDA94CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #94 Top Position Limit Sensor (M)	30JDA94CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #94 Bottom Position Limit Sensor (M)	30JDA94CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #94 Temperature Sensor (M)	30JDA94CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #95 Latch Mechanism	30JDA95AE	30UJA11001	H	H	SI S		Y (5)
CRDM #95 Pressure Housing	30JDA95AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #95 Position Sensor (M)	30JDA95CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #95 Top Position Limit Sensor (M)	30JDA95CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #95 Bottom Position Limit Sensor (M)	30JDA95CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #95 Temperature Sensor (M)	30JDA95CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #96 Latch Mechanism	30JDA96AE	30UJA11001	H	H	SI S		Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 15 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
CRDM #96 Pressure Housing	30JDA96AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #96 Position Sensor (M)	30JDA96CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #96 Top Position Limit Sensor (M)	30JDA96CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #96 Bottom Position Limit Sensor (M)	30JDA96CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #96 Temperature Sensor (M)	30JDA96CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #97 Latch Mechanism	30JDA97AE	30UJA11001	H	H	SI S		Y (5)
CRDM #97 Pressure Housing	30JDA97AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #97 Position Sensor (M)	30JDA97CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #97 Top Position Limit Sensor (M)	30JDA97CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #97 Bottom Position Limit Sensor (M)	30JDA97CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #97 Temperature Sensor (M)	30JDA97CT801	30UJA11001	H	H	SI S		Y (5)
CRDM #99 Latch Mechanism	30JDA99AE	30UJA11001	H	H	SI S		Y (5)
CRDM #99 Pressure Housing	30JDA99AE	30UJA11001	H	H	SI S	C/NM	Y (4) Y (5)
CRDM #99 Position Sensor (M)	30JDA99CG801	30UJA11001	H	H	SI S		Y (5)
CRDM #99 Top Position Limit Sensor (M)	30JDA99CG802	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #99 Bottom Position Limit Sensor (M)	30JDA99CG803	30UJA11001	H	H	SII NS-AQ		Y (5)
CRDM #99 Temperature Sensor (M)	30JDA99CT801	30UJA11001	H	H	SI S		Y (5)
<b>Steam Generator, Loop 1</b>							
Steam Generator Loop 1	30JEA10AC001	30UJA15003	H	H	SI S		Y (5)
SG WR Level Instr Lower Vlv #1 Loop 1	30JEA10AA301	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #2 Loop 1	30JEA10AA303	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #3 Loop 1	30JEA10AA305	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #4 Loop 1	30JEA10AA307	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #1 Loop 1	30JEA10AA302	30UJA34003	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #2 Loop 1	30JEA10AA304	30UJA34003	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #3 Loop 1	30JEA10AA306	30UJA34003	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #4 Loop 1	30JEA10AA308	30UJA34003	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #1 Loop 1	30JEA10AA309	30UJA29003	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #2 Loop 1	30JEA10AA311	30UJA29003	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #3 Loop 1	30JEA10AA313	30UJA29003	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #4 Loop 1	30JEA10AA315	30UJA29003	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Cold Cal Level Instr Vlv Loop 1	30JEA10AA317	30UJA18003	H	H	SI S	C/NM	Y (4) Y (5)
SG Sample Vlv Loop 1	30JEA10AA601	30UJA29003	H	H	SI S	C/NM	Y (4) Y (5)
Main Steam Flow Sensor #1 Loop 1 (PB)	30JEA10CF030	30UJA34003	H	H	SI S		Y (5)
Main Steam Flow Sensor #2 Loop 1 (PB)	30JEA10CF031	30UJA34003	H	H	SI S		Y (5)
Main Steam Flow Sensor #3 Loop 1 (PB)	30JEA10CF032	30UJA34003	H	H	SI S		Y (5)
SG NR Level Sensor #1 Loop 1 (PB)	30JEA10CL801	30UJA29003	H	H	SI S		Y (5)
SG NR Level Sensor #2 Loop 1 (PB)	30JEA10CL802	30UJA29003	H	H	SI S		Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 16 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
SG NR Level Sensor #3 Loop 1 (PB)	30JEA10CL803	30UJA29003	H	H	SI S		Y (5)
SG NR Level Sensor #4 Loop 1 (PB)	30JEA10CL804	30UJA29003	H	H	SI S		Y (5)
SG WR Level Sensor #1 Loop 1 (PB)	30JEA10CL809	30UJA15003	H	H	SI S		Y (5)
SG WR Level Sensor #2 Loop 1 (PB)	30JEA10CL810	30UJA15003	H	H	SI S		Y (5)
SG WR Level Sensor #3 Loop 1 (PB)	30JEA10CL811	30UJA15003	H	H	SI S		Y (5)
SG WR Level Sensor #4 Loop 1 (PB)	30JEA10CL812	30UJA15003	H	H	SI S		Y (5)
SG WR Level Sensor #5 Loop 1 (PB)	30JEA10CL020	30UJA15003	H	H	SI S		Y (5)
<b>Steam Generator, Loop 2</b>							
Steam Generator Loop 2	30JEA20AC001	30UJA15004	H	H	SI S		Y (5)
SG WR Level Instr Lower Vlv #1 Loop 2	30JEA20AA301	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #2 Loop 2	30JEA20AA303	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #3 Loop 2	30JEA20AA305	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #4 Loop 2	30JEA20AA307	30UJA18004	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #1 Loop 2	30JEA20AA302	30UJA34004	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #2 Loop 2	30JEA20AA304	30UJA34004	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #3 Loop 2	30JEA20AA306	30UJA34004	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #4 Loop 2	30JEA20AA308	30UJA34004	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #1 Loop 2	30JEA20AA309	30UJA29004	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #2 Loop 2	30JEA20AA311	30UJA29004	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #3 Loop 2	30JEA20AA313	30UJA29004	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #4 Loop 2	30JEA20AA315	30UJA29004	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Cold Cal Level Instr Vlv Loop 2	30JEA20AA317	30UJA18004	H	H	SI S	C/NM	Y (4) Y (5)
SG Sample Vlv Loop 2	30JEA20AA601	30UJA29004	H	H	SI S	C/NM	Y (4) Y (5)
Main Steam Flow Sensor #1 Loop 2 (PB)	30JEA20CF030	30UJA34004	H	H	SI S		Y (5)
Main Steam Flow Sensor #2 Loop 2 (PB)	30JEA20CF031	30UJA34004	H	H	SI S		Y (5)
Main Steam Flow Sensor #3 Loop 2 (PB)	30JEA20CF032	30UJA34004	H	H	SI S		Y (5)
SG NR Level Sensor #1 Loop 2 (PB)	30JEA20CL801	30UJA29004	H	H	SI S		Y (5)
SG NR Level Sensor #2 Loop 2 (PB)	30JEA20CL802	30UJA29004	H	H	SI S		Y (5)
SG NR Level Sensor #3 Loop 2 (PB)	30JEA20CL803	30UJA29004	H	H	SI S		Y (5)
SG NR Level Sensor #4 Loop 2 (PB)	30JEA20CL804	30UJA29004	H	H	SI S		Y (5)
SG WR Level Sensor #1 Loop 2 (PB)	30JEA20CL809	30UJA15004	H	H	SI S		Y (5)
SG WR Level Sensor #2 Loop 2 (PB)	30JEA20CL810	30UJA15004	H	H	SI S		Y (5)
SG WR Level Sensor #3 Loop 2 (PB)	30JEA20CL811	30UJA15004	H	H	SI S		Y (5)
SG WR Level Sensor #4 Loop 2 (PB)	30JEA20CL812	30UJA15004	H	H	SI S		Y (5)
SG WR Level Sensor #5 Loop 2 (PB)	30JEA20CL020	30UJA15004	H	H	SI S		Y (5)
<b>Steam Generator, Loop 3</b>							
Steam Generator Loop 3	30JEA30AC001	30UJA15007	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 17 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
SG WR Level Instr Lower Vlv #1 Loop 3	30JEA30AA301	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #2 Loop 3	30JEA30AA303	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #3 Loop 3	30JEA30AA305	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #4 Loop 3	30JEA30AA307	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #1 Loop 3	30JEA30AA302	30UJA34007	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #2 Loop 3	30JEA30AA304	30UJA34007	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #3 Loop 3	30JEA30AA306	30UJA34007	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #4 Loop 3	30JEA30AA308	30UJA34007	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #1 Loop 3	30JEA30AA309	30UJA29007	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #2 Loop 3	30JEA30AA311	30UJA29007	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #3 Loop 3	30JEA30AA313	30UJA29007	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #4 Loop 3	30JEA30AA315	30UJA29007	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Cold Cal Level Instr Vlv Loop 3	30JEA30AA317	30UJA18007	H	H	SI S	C/NM	Y (4) Y (5)
SG Sample Vlv Loop 3	30JEA30AA601	30UJA29007	H	H	SI S	C/NM	Y (4) Y (5)
Main Steam Flow Sensor #1 Loop 3 (PB)	30JEA30CF030	30UJA34007	H	H	SI S		Y (5)
Main Steam Flow Sensor #2 Loop 3 (PB)	30JEA30CF031	30UJA34007	H	H	SI S		Y (5)
Main Steam Flow Sensor #3 Loop 3 (PB)	30JEA30CF032	30UJA34007	H	H	SI S		Y (5)
SG NR Level Sensor #1 Loop 3 (PB)	30JEA30CL801	30UJA29007	H	H	SI S		Y (5)
SG NR Level Sensor #2 Loop 3 (PB)	30JEA30CL802	30UJA29007	H	H	SI S		Y (5)
SG NR Level Sensor #3 Loop 3 (PB)	30JEA30CL803	30UJA29007	H	H	SI S		Y (5)
SG NR Level Sensor #4 Loop 3 (PB)	30JEA30CL804	30UJA29007	H	H	SI S		Y (5)
SG WR Level Sensor #1 Loop 3 (PB)	30JEA30CL809	30UJA15007	H	H	SI S		Y (5)
SG WR Level Sensor #2 Loop 3 (PB)	30JEA30CL810	30UJA15007	H	H	SI S		Y (5)
SG WR Level Sensor #3 Loop 3 (PB)	30JEA30CL811	30UJA15007	H	H	SI S		Y (5)
SG WR Level Sensor #4 Loop 3 (PB)	30JEA30CL812	30UJA15007	H	H	SI S		Y (5)
SG WR Level Sensor #5 Loop 3 (PB)	30JEA30CL020	30UJA15007	H	H	SI S		Y (5)
<b>Steam Generator, Loop 4</b>							
Steam Generator Loop 4	30JEA40AC001	30UJA15008	H	H	SI S		Y (5)
SG WR Level Instr Lower Vlv #1 Loop 4	30JEA40AA301	30UJA18008	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #2 Loop 4	30JEA40AA303	30UJA18008	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #3 Loop 4	30JEA40AA305	30UJA18008	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Level Instr Lower Vlv #4 Loop 4	30JEA40AA307	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #1 Loop 4	30JEA40AA302	30UJA34008	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #2 Loop 4	30JEA40AA304	30UJA34008	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #3 Loop 4	30JEA40AA306	30UJA34008	H	H	SI S	C/NM	Y (4) Y (5)
SG Level Instr Upper Vlv #4 Loop 4	30JEA40AA308	30UJA34008	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #1 Loop 4	30JEA40AA309	30UJA29008	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #2 Loop 4	30JEA40AA311	30UJA29008	H	H	SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 18 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
SG NR Level Instr Lower Vlv #3 Loop 4	30JEA40AA313	30UJA29008	H	H	SI S	C/NM	Y (4) Y (5)
SG NR Level Instr Lower Vlv #4 Loop 4	30JEA40AA315	30UJA29008	H	H	SI S	C/NM	Y (4) Y (5)
SG WR Cold Cal Level Instr Vlv Loop 4	30JEA40AA317	30UJA18008	H	H	SI S	C/NM	Y (4) Y (5)
SG Sample Vlv Loop 4	30JEA40AA601	30UJA29008	H	H	SI S	C/NM	Y (4) Y (5)
Main Steam Flow Sensor #1 Loop 4 (PB)	30JEA40CF030	30UJA34008	H	H	SI S		Y (5)
Main Steam Flow Sensor #2 Loop 4 (PB)	30JEA40CF031	30UJA34008	H	H	SI S		Y (5)
Main Steam Flow Sensor #3 Loop 4 (PB)	30JEA40CF032	30UJA34008	H	H	SI S		Y (5)
SG NR Level Sensor #1 Loop 4 (PB)	30JEA40CL801	30UJA29008	H	H	SI S		Y (5)
SG NR Level Sensor #2 Loop 4 (PB)	30JEA40CL802	30UJA29008	H	H	SI S		Y (5)
SG NR Level Sensor #3 Loop 4 (PB)	30JEA40CL803	30UJA29008	H	H	SI S		Y (5)
SG NR Level Sensor #4 Loop 4 (PB)	30JEA40CL804	30UJA29008	H	H	SI S		Y (5)
SG WR Level Sensor #1 Loop 4 (PB)	30JEA40CL809	30UJA15008	H	H	SI S		Y (5)
SG WR Level Sensor #2 Loop 4 (PB)	30JEA40CL810	30UJA15008	H	H	SI S		Y (5)
SG WR Level Sensor #3 Loop 4 (PB)	30JEA40CL811	30UJA15008	H	H	SI S		Y (5)
SG WR Level Sensor #4 Loop 4 (PB)	30JEA40CL812	30UJA15008	H	H	SI S		Y (5)
SG WR Level Sensor #5 Loop 4 (PB)	30JEA40CL020	30UJA15008	H	H	SI S		Y (5)
<b>RCP, Loop 1</b>							
Reactor Coolant Pump Loop 1	30JEB10AP001	30UJA11002	H	H	SI S	C/NM	Y (4) Y (5)
TB Inlet Cooling Water Vlv Loop 1	30JEB10AA021	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
TB Inlet Water Check Vlv Loop 1	30JEB10AA001	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
TB Outlet Water Throttle Vlv Loop 1	30JEB10AA002	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
TB Outlet Cooling Water Vlv Loop 1	30JEB10AA003	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
TB Cooling Water Relief Vlv Loop 1	30JEB10AA191	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
TB Cooling Water Press Vlv Loop 1	30JEB10AA302	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Sweeping Vlv #1 Loop 1	30JEB10AA006	30UJA34014	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Sweeping Vlv #2 Loop 1	30JEB10AA029	30UJA34014	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Vlv #1 Loop 1	30JEB10AA005	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Vlv #2 Loop 1	30JEB10AA004	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Injec Bypass Vlv #1 Loop 1	30JEB10AA007	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Injec Bypass Vlv #2 Loop 1	30JEB10AA008	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #1 Loop 1	30JEB10AA410	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #2 Loop 1	30JEB10AA412	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #3 Loop 1	30JEB10AA411	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Vlv Loop 1	30JEB10AA009	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Drain Vlv #1 Loop 1	30JEB10AA501	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Drain Vlv #2 Loop 1	30JEB10AA502	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Diff Press Vlv #1 Loop 1	30JEB10AA303	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Diff Press Vlv #2 Loop 1	30JEB10AA304	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 19 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP Seal #2 Leakoff Tank Loop 1	30JEB10BB002	30UJA18003	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Tk Water Makeup Vlv Loop 1	30JEB10AA022	30UJA18003	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Tk Water Flow Restr Loop 1	30JEB10BP023	30UJA18003	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Tk Level Lwr Vlv Loop 1	30JEB10AA312	30UJA18003	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Tk Level Upr Vlv Loop 1	30JEB10AA311	30UJA18003	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Vlv Loop 1	30JEB10AA010	30UJA18002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Drain Vlv #1 Loop 1	30JEB10AA407	30UJA15002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Drain Vlv #2 Loop 1	30JEB10AA408	30UJA15002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 NR Flow Sensr Byp Vlv Loop 1	30JEB10AA011	30UJA18003	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 NR Flowrate Vlv #1 Loop 1	30JEB10AA309	30UJA18003	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 NR Flowrate Vlv #2 Loop 1	30JEB10AA310	30UJA18003	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 WR Flowrate Vlv #1 Loop 1	30JEB10AA305	30UJA18003	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 WR Flowrate Vlv #2 Loop 1	30JEB10AA306	30UJA18003	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Vlv Loop 1	30JEB10AA013	30UJA34014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Control Vlv Loop 1	30JEB10AA014	30UJA34014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Check Vlv #1 Loop 1	30JEB10AA015	30UJA34014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Check Vlv #2 Loop 1	30JEB10AA016	30UJA18002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Injection Tank Loop 1	30JEB10BB001	30UJA34014	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Lwr Vlv Loop 1	30JEB10AA308	30UJA34014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Tk Level Upr Vlv Loop 1	30JEB10AA307	30UJA34014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Leakoff Vlv Loop 1	30JEB10AA017	30UJA15013	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Actuation Vlv Loop 1	30JEB10AA018	30UJA15002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Nitrogen Accum Tank Loop 1	30JEB10BB003	30UJA15002	H	H	SII NS-AQ		Y (5)
SSSS Nitrogen High Press Vlv Loop 1	30JEB10AA019	30UJA15002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Nitrogen Low Press Vlv Loop 1	30JEB10AA026	30UJA15002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Atmospheric Vent Vlv Loop 1	30JEB10AA020	30UJA15002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Loop 1	30JEB10AP011	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Suct Vlv Loop 1	30JEB10AA030	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Suct Filter Loop 1	30JEB10AT021	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Relief Vlv Loop 1	30JEB10AA192	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Disch Filter Loop 1	30JEB10AT031	30UJA15002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tank Loop 1	30JEB10BB004	30UJA11002	H	H	SII NS-AQ		Y (5)
RCP-M Oil Coll Tk Level Lwr Vlv Loop 1	30JEB10AA314	30UJA11002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tk Level Upr Vlv Loop 1	30JEB10AA313	30UJA11002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tk Drain Vlv Loop 1	30JEB10AA409	30UJA11002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Col Tk Flame Arrestor Loop 1	30JEB10AV503	30UJA11002	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Lwr Brg Oil Cooler Loop 1	30JEB10AC001	30UJA15002	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Fill/Drain Vlv Loop 1	30JEB10AA401	30UJA11002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Air Cooler #1 Loop 1	30JEB10AC002	30UJA15002	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 20 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP-M Cooler #1 Drain Vlv Loop 1	30JEB10AA402	30UJA11002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Air Cooler #2 Loop 1	30JEB10AC003	30UJA15002	H	H	SI S		Y (5)
RCP-M Cooler #2 Drain Vlv Loop 1	30JEB10AA403	30UJA11002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Upr Brg Oil Cooler Loop 1	30JEB10AC004	30UJA15002	H	H	SI S		Y (5)
RCP-M Upr Brg Water Drain Vlv Loop 1	30JEB10AA404	30UJA11002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Upr Brg Oil Fill/Drain Vlv Loop 1	30JEB10AA405	30UJA11002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Upr Brg Oil Sump Vlv Loop 1	30JEB10AA406	30UJA11002	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Windings Anti-Cond Heaters Loop 1	30JEB10AH501	30UJA23002	H	H	SII NS-AQ		Y (5)
RCP TB Press Sensor Loop 1 (PB)	30JEB10CP002	30UJA11002	H	H	SI S		Y (5)
RCP TB Temp Sensor Loop 1 (PB)	30JEB10CT007	30UJA11002	H	H	SI S		Y (5)
RCP Seal #1 Diff Press Sensor #1 Loop 1 (PB)	30JEB10CP065	30UJA11002	H	H	SI S		Y (5)
RCP Seal #1 Diff Press Sensor #2 Loop 1 (PB)	30JEB10CP567	30UJA18002	H	H	SI S		Y (5)
RCP Seal #1 Temp Sensor #1 Loop 1 (PB)	30JEB10CT002	30UJA11002	H	H	SI S		Y (5)
RCP Seal #1 Temp Sensor #2 Loop 1 (PB)	30JEB10CT003	30UJA11002	H	H	SI S		Y (5)
RCP Seal #2 Tk Level Sensor #1 Loop 1 (PB)	30JEB10CL065	30UJA11002	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Tk Level Sensor #2 Loop 1 (PB)	30JEB10CL066	30UJA11002	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Leakoff Flowrate Sensor #1 Loop 1 (PB)	30JEB10CF063	30UJA11002	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Leakoff Flowrate Sensor #2 Loop 1 (PB)	30JEB10CF064	30UJA11002	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Sensor #1 Loop 1 (PB)	30JEB10CL057	30UJA11002	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Sensor #2 Loop 1 (PB)	30JEB10CL061	30UJA11002	H	H	SII NS-AQ		Y (5)
RCP SSSS Position Sensor #1 Loop 1 (M)	30JEB10CG050A	30UJA11002	H	H	SII NS-AQ		Y (5)
RCP SSSS Position Sensor #2 Loop 1 (M)	30JEB10CG050B	30UJA11002	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #1 Loop 1 (M)	30JEB10CE089	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #2 Loop 1 (M)	30JEB10CE090	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #3 Loop 1 (M)	30JEB10CE091	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Current Sensor #1 Loop 1 (M)	30JEB10CE889	31UJK18027	M	M	SI S		Y (5)
RCP-M Current Sensor #2 Loop 1 (M)	30JEB10CE890	31UJK18027	M	M	SI S		Y (5)
RCP-M Current Sensor #3 Loop 1 (M)	30JEB10CE891	31UJK18027	M	M	SI S		Y (5)
RCP-M Speed Sensor Loop 1 (M)	30JEB10CS896	30UJA18002	H	H	SI S		Y (5)
RCP-M Speed Sensor - Standby Loop 1 (M)	30JEB10CS897	30UJA18002	H	H	SI S		Y (5)
RCP-M Winding Temp Sensor #1 Loop 1 (M)	30JEB10CT069	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Winding Temp Sensor #2 Loop 1 (M)	30JEB10CT070	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Winding Temp Sensor #3 Loop 1 (M)	30JEB10CT071	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Oil Tank Temp Sensor Loop 1 (PB)	30JEB10CT585	30UJA18002	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Level Sensor #1 Loop 1 (PB)	30JEB10CL051	30UJA18002	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Level Sensor #2 Loop 1 (PB)	30JEB10CL501	30UJA18002	H	H	SI S		Y (5)
RCP-M Lwr Rad Brg Temp Sensor #1 Loop 1 (M)	30JEB10CT075	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Rad Brg Temp Sensor #2 Loop 1 (M)	30JEB10CT084	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Thr Brg Temp Sensor #1 Loop 1 (M)	30JEB10CT080	30UJA18002	H	H	SII NS-AQ		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 21 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP-M Lwr Thr Brg Temp Sensor #2 Loop 1 (M)	30JEB10CT081	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Upr Oil Tk Temp Sensor Loop 1 (PB)	30JEB10CT504	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Upr Brg Oil Level Sensor #1 Loop 1 (PB)	30JEB10CL055	30UJA18002	H	H	SI S		Y (5)
RCP-M Upr Brg Oil Level Sensor #2 Loop 1 (PB)	30JEB10CL503	30UJA18002	H	H	SI S		Y (5)
RCP-M Upr Rad Brg Temp Sensor #1 Loop 1 (M)	30JEB10CT076	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Upr Rad Brg Temp Sensor #2 Loop 1 (M)	30JEB10CT077	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Upr Thr Brg Temp Sensor #1 Loop 1 (M)	30JEB10CT078	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Upr Thr Brg Temp Sensor #2 Loop 1 (M)	30JEB10CT079	30UJA18002	H	H	SII NS-AQ		Y (5)
RCP-M Oil Press Sensor #1 Loop 1 (PB)	30JEB10CP099	30UJA18002	H	H	SI S		Y (5)
RCP-M Oil Press Sensor #2 Loop 1 (PB)	30JEB10CP505	30UJA18002	H	H	SI S		Y (5)
RCP-M Oil Coll Tk Level Sensor Loop 1 (PB)	30JEB10CL056	30UJA18002	H	H	SII NS-AQ		Y (5)
<b>RCP, Loop 2</b>							
Reactor Coolant Pump Loop 2	30JEB20AP001	30UJA11005	H	H	SI S	C/NM	Y (4) Y (5)
TB Inlet Cooling Water Vlv Loop 2	30JEB20AA021	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
TB Inlet Water Check Vlv Loop 2	30JEB20AA001	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
TB Outlet Water Throttle Vlv Loop 2	30JEB20AA002	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
TB Outlet Cooling Water Vlv Loop 2	30JEB20AA003	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
TB Cooling Water Relief Vlv Loop 2	30JEB20AA191	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
TB Cooling Water Press Vlv Loop 2	30JEB20AA302	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Sweeping Vlv #1 Loop 2	30JEB20AA006	30UJA34014	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Sweeping Vlv #2 Loop 2	30JEB20AA029	30UJA34014	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Vlv #1 Loop 2	30JEB20AA005	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Vlv #2 Loop 2	30JEB20AA004	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Injec Bypass Vlv #1 Loop 2	30JEB20AA007	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Injec Bypass Vlv #2 Loop 2	30JEB20AA008	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #1 Loop 2	30JEB20AA410	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #2 Loop 2	30JEB20AA412	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #3 Loop 2	30JEB20AA411	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Vlv Loop 2	30JEB20AA009	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Drain Vlv #1 Loop 2	30JEB20AA501	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Drain Vlv #2 Loop 2	30JEB20AA502	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Diff Press Vlv #1 Loop 2	30JEB20AA303	30UJA15005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Diff Press Vlv #2 Loop 2	30JEB20AA304	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Tank Loop 2	30JEB20BB002	30UJA18004	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Tk Water Makeup Vlv Loop 2	30JEB20AA022	30UJA18004	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Tk Water Flow Restr Loop 2	30JEB20BP023	30UJA18004	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Tk Level Lwr Vlv Loop 2	30JEB20AA312	30UJA18004	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Tk Level Upr Vlv Loop 2	30JEB20AA311	30UJA18004	H	H	SII NS-AQ	C/NM	Y (4) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 22 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP Seal #2 Leakoff Vlv Loop 2	30JEB20AA010	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Drain Vlv #1 Loop 2	30JEB20AA407	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Drain Vlv #2 Loop 2	30JEB20AA408	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 NR Flow Sensr Byp Vlv Loop 2	30JEB20AA011	30UJA18004	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 NR Flowrate Vlv #1 Loop 2	30JEB20AA309	30UJA18004	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 NR Flowrate Vlv #2 Loop 2	30JEB20AA310	30UJA18004	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 WR Flowrate Vlv #1 Loop 2	30JEB20AA305	30UJA18004	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 WR Flowrate Vlv #2 Loop 2	30JEB20AA306	30UJA18004	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Vlv Loop 2	30JEB20AA013	30UJA34014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Control Vlv Loop 2	30JEB20AA014	30UJA34014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Check Vlv #1 Loop 2	30JEB20AA015	30UJA34014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Check Vlv #2 Loop 2	30JEB20AA016	30UJA18005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Injection Tank Loop 2	30JEB20BB001	30UJA34014	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Lwr Vlv Loop 2	30JEB20AA308	30UJA34014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Tk Level Upr Vlv Loop 2	30JEB20AA307	30UJA34014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Leakoff Vlv Loop 2	30JEB20AA017	30UJA15014	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Actuation Vlv Loop 2	30JEB20AA018	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Nitrogen Accum Tank Loop 2	30JEB20BB003	30UJA15005	H	H	SII NS-AQ		Y (5)
SSSS Nitrogen High Press Vlv Loop 2	30JEB20AA019	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Nitrogen Low Press Vlv Loop 2	30JEB20AA026	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Atmospheric Vent Vlv Loop 2	30JEB20AA020	30UJA15005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Loop 2	30JEB20AP011	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Suct Vlv Loop 2	30JEB20AA030	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Suct Filter Loop 2	30JEB20AT021	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Relief Vlv Loop 2	30JEB20AA192	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Disch Filter Loop 2	30JEB20AT031	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tank Loop 2	30JEB20BB004	30UJA11005	H	H	SII NS-AQ		Y (5)
RCP-M Oil Coll Tk Level Lwr Vlv Loop 2	30JEB20AA314	30UJA11005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tk Level Upr Vlv Loop 2	30JEB20AA313	30UJA11005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tk Drain Vlv Loop 2	30JEB20AA409	30UJA11005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Col Tk Flame Arrestor Loop 2	30JEB20AV503	30UJA11005	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Lwr Brg Oil Cooler Loop 2	30JEB20AC001	30UJA15005	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Fill/Drain Vlv Loop 2	30JEB20AA401	30UJA11005	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Air Cooler #1 Loop 2	30JEB20AC002	30UJA15005	H	H	SI S		Y (5)
RCP-M Cooler #1 Drain Vlv Loop 2	30JEB20AA402	30UJA11005	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Air Cooler #2 Loop 2	30JEB20AC003	30UJA15005	H	H	SI S		Y (5)
RCP-M Cooler #2 Drain Vlv Loop 2	30JEB20AA403	30UJA11005	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Upr Brg Oil Cooler Loop 2	30JEB20AC004	30UJA15005	H	H	SI S		Y (5)
RCP-M Upr Brg Water Drain Vlv Loop 2	30JEB20AA404	30UJA11005	H	H	SI S	C/NM	Y (4) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 23 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP-M Updr Brg Oil Fill/Drain Vlv Loop 2	30JEB20AA405	30UJA11005	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Updr Brg Oil Sump Vlv Loop 2	30JEB20AA406	30UJA11005	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Windings Anti-Cond Heaters Loop 2	30JEB20AH501	30UJA23005	H	H	SII NS-AQ		Y (5)
RCP TB Press Sensor Loop 2 (PB)	30JEB20CP002	30UJA11005	H	H	SI S		Y (5)
RCP TB Temp Sensor Loop 2 (PB)	30JEB20CT007	30UJA11005	H	H	SI S		Y (5)
RCP Seal #1 Diff Press Sensor #1 Loop 2 (PB)	30JEB20CP065	30UJA11005	H	H	SI S		Y (5)
RCP Seal #1 Diff Press Sensor #2 Loop 2 (PB)	30JEB20CP567	30UJA18005	H	H	SI S		Y (5)
RCP Seal #1 Temp Sensor #1 Loop 2 (PB)	30JEB20CT002	30UJA11005	H	H	SI S		Y (5)
RCP Seal #1 Temp Sensor #2 Loop 2 (PB)	30JEB20CT003	30UJA11005	H	H	SI S		Y (5)
RCP Seal #2 Tk Level Sensor #1 Loop 2 (PB)	30JEB20CL065	30UJA11005	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Tk Level Sensor #2 Loop 2 (PB)	30JEB20CL066	30UJA11005	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Leakoff Flowrate Sensor #1 Loop 2 (PB)	30JEB20CF063	30UJA11005	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Leakoff Flowrate Sensor #2 Loop 2 (PB)	30JEB20CF064	30UJA11005	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Sensor #1 Loop 2 (PB)	30JEB20CL057	30UJA11005	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Sensor #2 Loop 2 (PB)	30JEB20CL061	30UJA11005	H	H	SII NS-AQ		Y (5)
RCP SSSS Position Sensor #1 Loop 2 (M)	30JEB20CG050A	30UJA11005	H	H	SII NS-AQ		Y (5)
RCP SSSS Position Sensor #2 Loop 2 (M)	30JEB20CG050B	30UJA11005	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #1 Loop 2 (M)	30JEB20CE089	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #2 Loop 2 (M)	30JEB20CE090	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #3 Loop 2 (M)	30JEB20CE091	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Current Sensor #1 Loop 2 (M)	30JEB20CE889	32UJK18020	M	M	SI S		Y (5)
RCP-M Current Sensor #2 Loop 2 (M)	30JEB20CE890	32UJK18020	M	M	SI S		Y (5)
RCP-M Current Sensor #3 Loop 2 (M)	30JEB20CE891	32UJK18020	M	M	SI S		Y (5)
RCP-M Speed Sensor Loop 2 (M)	30JEB20CS896	30UJA18005	H	H	SI S		Y (5)
RCP-M Speed Sensor - Standby Loop 2 (M)	30JEB20CS897	30UJA18005	H	H	SI S		Y (5)
RCP-M Winding Temp Sensor #1 Loop 2 (M)	30JEB20CT069	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Winding Temp Sensor #2 Loop 2 (M)	30JEB20CT070	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Winding Temp Sensor #3 Loop 2 (M)	30JEB20CT071	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Oil Tank Temp Sensor Loop 2 (PB)	30JEB20CT585	30UJA18005	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Level Sensor #1 Loop 2 (PB)	30JEB20CL051	30UJA18005	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Level Sensor #2 Loop 2 (PB)	30JEB20CL501	30UJA18005	H	H	SI S		Y (5)
RCP-M Lwr Rad Brg Temp Sensor #1 Loop 2 (M)	30JEB20CT075	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Rad Brg Temp Sensor #2 Loop 2 (M)	30JEB20CT084	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Thr Brg Temp Sensor #1 Loop 2 (M)	30JEB20CT080	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Thr Brg Temp Sensor #2 Loop 2 (M)	30JEB20CT081	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Updr Oil Tk Temp Sensor Loop 2 (PB)	30JEB20CT504	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Updr Brg Oil Level Sensor #1 Loop 2 (PB)	30JEB20CL055	30UJA18005	H	H	SI S		Y (5)
RCP-M Updr Brg Oil Level Sensor #2 Loop 2 (PB)	30JEB20CL503	30UJA18005	H	H	SI S		Y (5)
RCP-M Updr Rad Brg Temp Sensor #1 Loop 2 (M)	30JEB20CT076	30UJA18005	H	H	SII NS-AQ		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 24 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP-M Upr Rad Brg Temp Sensor #2 Loop 2 (M)	30JEB20CT077	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Upr Thr Brg Temp Sensor #1 Loop 2 (M)	30JEB20CT078	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Upr Thr Brg Temp Sensor #2 Loop 2 (M)	30JEB20CT079	30UJA18005	H	H	SII NS-AQ		Y (5)
RCP-M Oil Press Sensor #1 Loop 2 (PB)	30JEB20CP099	30UJA18005	H	H	SI S		Y (5)
RCP-M Oil Press Sensor #2 Loop 2 (PB)	30JEB20CP505	30UJA18005	H	H	SI S		Y (5)
RCP-M Oil Coll Tk Level Sensor Loop 2 (PB)	30JEB20CL056	30UJA18005	H	H	SII NS-AQ		Y (5)
<b>RCP, Loop 3</b>							
Reactor Coolant Pump Loop 3	30JEB30AP001	30UJA11006	H	H	SI S	C/NM	Y (4) Y (5)
TB Inlet Cooling Water Vlv Loop 3	30JEB30AA021	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
TB Inlet Water Check Vlv Loop 3	30JEB30AA001	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
TB Outlet Water Throttle Vlv Loop 3	30JEB30AA002	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
TB Outlet Cooling Water Vlv Loop 3	30JEB30AA003	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
TB Cooling Water Relief Vlv Loop 3	30JEB30AA191	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
TB Cooling Water Press Vlv Loop 3	30JEB30AA302	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Sweeping Vlv #1 Loop 3	30JEB30AA006	30UJA34015	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Sweeping Vlv #2 Loop 3	30JEB30AA029	30UJA34015	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Vlv #1 Loop 3	30JEB30AA005	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Vlv #2 Loop 3	30JEB30AA004	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Injec Bypass Vlv #1 Loop 3	30JEB30AA007	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Injec Bypass Vlv #2 Loop 3	30JEB30AA008	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #1 Loop 3	30JEB30AA410	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #2 Loop 3	30JEB30AA412	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #3 Loop 3	30JEB30AA411	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Vlv Loop 3	30JEB30AA009	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Drain Vlv #1 Loop 3	30JEB30AA501	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Drain Vlv #2 Loop 3	30JEB30AA502	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Diff Press Vlv #1 Loop 3	30JEB30AA303	30UJA15006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #1 Diff Press Vlv #2 Loop 3	30JEB30AA304	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Tank Loop 3	30JEB30BB002	30UJA18007	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Tk Water Makeup Vlv Loop 3	30JEB30AA022	30UJA18007	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Tk Water Flow Restr Loop 3	30JEB30BP023	30UJA18007	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Tk Level Lwr Vlv Loop 3	30JEB30AA312	30UJA18007	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Tk Level Upr Vlv Loop 3	30JEB30AA311	30UJA18007	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Vlv Loop 3	30JEB30AA010	30UJA18006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Drain Vlv #1 Loop 3	30JEB30AA407	30UJA15006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Drain Vlv #2 Loop 3	30JEB30AA408	30UJA15006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 NR Flow Sensr Byp Vlv Loop 3	30JEB30AA011	30UJA18007	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 NR Flowrate Vlv #1 Loop 3	30JEB30AA309	30UJA18007	H	H	SII NS-AQ	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 25 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP Seal #2 NR Flowrate Vlv #2 Loop 3	30JEB30AA310	30UJA18007	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 WR Flowrate Vlv #1 Loop 3	30JEB30AA305	30UJA18007	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #2 WR Flowrate Vlv #2 Loop 3	30JEB30AA306	30UJA18007	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Vlv Loop 3	30JEB30AA013	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Control Vlv Loop 3	30JEB30AA014	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Check Vlv #1 Loop 3	30JEB30AA015	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Check Vlv #2 Loop 3	30JEB30AA016	30UJA18006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Injection Tank Loop 3	30JEB30BB001	30UJA34015	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Lwr Vlv Loop 3	30JEB30AA308	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Tk Level Upr Vlv Loop 3	30JEB30AA307	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Leakoff Vlv Loop 3	30JEB30AA017	30UJA15015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Actuation Vlv Loop 3	30JEB30AA018	30UJA15006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Nitrogen Accum Tank Loop 3	30JEB30BB003	30UJA15006	H	H	SII NS-AQ		Y (5)
SSSS Nitrogen High Press Vlv Loop 3	30JEB30AA019	30UJA15006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Nitrogen Low Press Vlv Loop 3	30JEB30AA026	30UJA15006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Atmospheric Vent Vlv Loop 3	30JEB30AA020	30UJA15006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Loop 3	30JEB30AP011	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Suct Vlv Loop 3	30JEB30AA030	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Suct Filter Loop 3	30JEB30AT021	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Relief Vlv Loop 3	30JEB30AA192	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Disch Filter Loop 3	30JEB30AT031	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tank Loop 3	30JEB30BB004	30UJA11006	H	H	SII NS-AQ		Y (5)
RCP-M Oil Coll Tk Level Lwr Vlv Loop 3	30JEB30AA314	30UJA11006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tk Level Upr Vlv Loop 3	30JEB30AA313	30UJA11006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tk Drain Vlv Loop 3	30JEB30AA409	30UJA11006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Col Tk Flame Arrestor Loop 3	30JEB30AV503	30UJA11006	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Lwr Brg Oil Cooler Loop 3	30JEB30AC001	30UJA15006	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Fill/Drain Vlv Loop 3	30JEB30AA401	30UJA11006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Air Cooler #1 Loop 3	30JEB30AC002	30UJA15006	H	H	SI S		Y (5)
RCP-M Cooler #1 Drain Vlv Loop 3	30JEB30AA402	30UJA11006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Air Cooler #2 Loop 3	30JEB30AC003	30UJA15006	H	H	SI S		Y (5)
RCP-M Cooler #2 Drain Vlv Loop 3	30JEB30AA403	30UJA11006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Upr Brg Oil Cooler Loop 3	30JEB30AC004	30UJA15006	H	H	SI S		Y (5)
RCP-M Upr Brg Water Drain Vlv Loop 3	30JEB30AA404	30UJA11006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Upr Brg Oil Fill/Drain Vlv Loop 3	30JEB30AA405	30UJA11006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Upr Brg Oil Sump Vlv Loop 3	30JEB30AA406	30UJA11006	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Windings Anti-Cond Heaters Loop 3	30JEB30AH501	30UJA23006	H	H	SII NS-AQ		Y (5)
RCP TB Press Sensor Loop 3 (PB)	30JEB30CP002	30UJA11006	H	H	SI S		Y (5)
RCP TB Temp Sensor Loop 3 (PB)	30JEB30CT007	30UJA11006	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 26 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP Seal #1 Diff Press Sensor #1 Loop 3 (PB)	30JEB30CP065	30UJA11006	H	H	SI S		Y (5)
RCP Seal #1 Diff Press Sensor #2 Loop 3 (PB)	30JEB30CP567	30UJA18006	H	H	SI S		Y (5)
RCP Seal #1 Temp Sensor #1 Loop 3 (PB)	30JEB30CT002	30UJA11006	H	H	SI S		Y (5)
RCP Seal #1 Temp Sensor #2 Loop 3 (PB)	30JEB30CT003	30UJA11006	H	H	SI S		Y (5)
RCP Seal #2 Tk Level Sensor #1 Loop 3 (PB)	30JEB30CL065	30UJA11006	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Tk Level Sensor #2 Loop 3 (PB)	30JEB30CL066	30UJA11006	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Leakoff Flowrate Sensor #1 Loop 3 (PB)	30JEB30CF063	30UJA11006	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Leakoff Flowrate Sensor #2 Loop 3 (PB)	30JEB30CF064	30UJA11006	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Sensor #1 Loop 3 (PB)	30JEB30CL057	30UJA11006	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Sensor #2 Loop 3 (PB)	30JEB30CL061	30UJA11006	H	H	SII NS-AQ		Y (5)
RCP SSSS Position Sensor #1 Loop 3 (M)	30JEB30CG050A	30UJA11006	H	H	SII NS-AQ		Y (5)
RCP SSSS Position Sensor #2 Loop 3 (M)	30JEB30CG050B	30UJA11006	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #1 Loop 3 (M)	30JEB30CE089	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #2 Loop 3 (M)	30JEB30CE090	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #3 Loop 3 (M)	30JEB30CE091	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Current Sensor #1 Loop 3 (M)	30JEB30CE889	33UJK18020	M	M	SI S		Y (5)
RCP-M Current Sensor #2 Loop 3 (M)	30JEB30CE890	33UJK18020	M	M	SI S		Y (5)
RCP-M Current Sensor #3 Loop 3 (M)	30JEB30CE891	33UJK18020	M	M	SI S		Y (5)
RCP-M Speed Sensor Loop 3 (M)	30JEB30CS896	30UJA18006	H	H	SI S		Y (5)
RCP-M Speed Sensor - Standby Loop 3 (M)	30JEB30CS897	30UJA18006	H	H	SI S		Y (5)
RCP-M Winding Temp Sensor #1 Loop 3 (M)	30JEB30CT069	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Winding Temp Sensor #2 Loop 3 (M)	30JEB30CT070	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Winding Temp Sensor #3 Loop 3 (M)	30JEB30CT071	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Oil Tank Temp Sensor Loop 3 (PB)	30JEB30CT585	30UJA18006	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Level Sensor #1 Loop 3 (PB)	30JEB30CL051	30UJA18006	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Level Sensor #2 Loop 3 (PB)	30JEB30CL501	30UJA18006	H	H	SI S		Y (5)
RCP-M Lwr Rad Brg Temp Sensor #1 Loop 3 (M)	30JEB30CT075	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Rad Brg Temp Sensor #2 Loop 3 (M)	30JEB30CT084	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Thr Brg Temp Sensor #1 Loop 3 (M)	30JEB30CT080	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Thr Brg Temp Sensor #2 Loop 3 (M)	30JEB30CT081	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Upr Oil Tk Temp Sensor Loop 3 (PB)	30JEB30CT504	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Upr Brg Oil Level Sensor #1 Loop 3 (PB)	30JEB30CL055	30UJA18006	H	H	SI S		Y (5)
RCP-M Upr Brg Oil Level Sensor #2 Loop 3 (PB)	30JEB30CL503	30UJA18006	H	H	SI S		Y (5)
RCP-M Upr Rad Brg Temp Sensor #1 Loop 3 (M)	30JEB30CT076	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Upr Rad Brg Temp Sensor #2 Loop 3 (M)	30JEB30CT077	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Upr Thr Brg Temp Sensor #1 Loop 3 (M)	30JEB30CT078	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Upr Thr Brg Temp Sensor #2 Loop 3 (M)	30JEB30CT079	30UJA18006	H	H	SII NS-AQ		Y (5)
RCP-M Oil Press Sensor #1 Loop 3 (PB)	30JEB30CP099	30UJA18006	H	H	SI S		Y (5)
RCP-M Oil Press Sensor #2 Loop 3 (PB)	30JEB30CP505	30UJA18006	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 27 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP-M Oil Coll Tk Level Sensor Loop 3 (PB)	30JEB30CL056	30UJA18006	H	H	SII	NS-AQ	Y (5)
<b>RCP, Loop 4</b>							
Reactor Coolant Pump Loop 4	30JEB40AP001	30UJA11009	H	H	SI	S C/NM	Y (4) Y (5)
TB Inlet Cooling Water Vlv Loop 4	30JEB40AA021	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
TB Inlet Water Check Vlv Loop 4	30JEB40AA001	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
TB Outlet Water Throttle Vlv Loop 4	30JEB40AA002	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
TB Outlet Cooling Water Vlv Loop 4	30JEB40AA003	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
TB Cooling Water Relief Vlv Loop 4	30JEB40AA191	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
TB Cooling Water Press Vlv Loop 4	30JEB40AA302	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Sweeping Vlv #1 Loop 4	30JEB40AA006	30UJA29016	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Sweeping Vlv #2 Loop 4	30JEB40AA029	30UJA29016	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Inject Vlv #1 Loop 4	30JEB40AA005	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Inject Vlv #2 Loop 4	30JEB40AA004	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Injec Bypass Vlv #1 Loop 4	30JEB40AA007	30UJA18009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Injec Bypass Vlv #2 Loop 4	30JEB40AA008	30UJA18009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #1 Loop 4	30JEB40AA410	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #2 Loop 4	30JEB40AA412	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Inject Drain Vlv #3 Loop 4	30JEB40AA411	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Vlv Loop 4	30JEB40AA009	30UJA18009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Drain Vlv #1 Loop 4	30JEB40AA501	30UJA18009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Leakoff Drain Vlv #2 Loop 4	30JEB40AA502	30UJA18009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Diff Press Vlv #1 Loop 4	30JEB40AA303	30UJA15009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #1 Diff Press Vlv #2 Loop 4	30JEB40AA304	30UJA18009	H	H	SI	S C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Tank Loop 4	30JEB40BB002	30UJA18008	H	H	SII	NS-AQ	Y (5)
RCP Seal #2 Tk Water Makeup Vlv Loop 4	30JEB40AA022	30UJA18008	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #2 Tk Water Flow Restr Loop 4	30JEB40BP023	30UJA18008	H	H	SII	NS-AQ	Y (5)
RCP Seal #2 Tk Level Lwr Vlv Loop 4	30JEB40AA312	30UJA18008	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #2 Tk Level Upv Vlv Loop 4	30JEB40AA311	30UJA18008	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Vlv Loop 4	30JEB40AA010	30UJA18009	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Drain Vlv #1 Loop 4	30JEB40AA407	30UJA15009	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #2 Leakoff Drain Vlv #2 Loop 4	30JEB40AA408	30UJA15009	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #2 NR Flow Sensr Byp Vlv Loop 4	30JEB40AA011	30UJA18008	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #2 NR Flowrate Vlv #1 Loop 4	30JEB40AA309	30UJA18008	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #2 NR Flowrate Vlv #2 Loop 4	30JEB40AA310	30UJA18008	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #2 WR Flowrate Vlv #1 Loop 4	30JEB40AA305	30UJA18008	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #2 WR Flowrate Vlv #2 Loop 4	30JEB40AA306	30UJA18008	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #3 Inject Vlv Loop 4	30JEB40AA013	30UJA29016	H	H	SII	NS-AQ C/NM	Y (4) Y (5)
RCP Seal #3 Inject Control Vlv Loop 4	30JEB40AA014	30UJA29016	H	H	SII	NS-AQ C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 28 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP Seal #3 Inject Check Vlv #1 Loop 4	30JEB40AA015	30UJA29016	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Inject Check Vlv #2 Loop 4	30JEB40AA016	30UJA18009	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Injection Tank Loop 4	30JEB40BB001	30UJA29016	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Lwr Vlv Loop 4	30JEB40AA308	30UJA29016	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Tk Level Upr Vlv Loop 4	30JEB40AA307	30UJA29016	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP Seal #3 Leakoff Vlv Loop 4	30JEB40AA017	30UJA15016	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Actuation Vlv Loop 4	30JEB40AA018	30UJA15009	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Nitrogen Accum Tank Loop 4	30JEB40BB003	30UJA15009	H	H	SII NS-AQ		Y (5)
SSSS Nitrogen High Press Vlv Loop 4	30JEB40AA019	30UJA15009	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Nitrogen Low Press Vlv Loop 4	30JEB40AA026	30UJA15009	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SSSS Atmospheric Vent Vlv Loop 4	30JEB40AA020	30UJA15009	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Loop 4	30JEB40AP011	30UJA18009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Suct Vlv Loop 4	30JEB40AA030	30UJA18009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Suct Filter Loop 4	30JEB40AT021	30UJA18009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Relief Vlv Loop 4	30JEB40AA192	30UJA18009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Lift Pump Disch Filter Loop 4	30JEB40AT031	30UJA18009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tank Loop 4	30JEB40BB004	30UJA11009	H	H	SII NS-AQ		Y (5)
RCP-M Oil Coll Tk Level Lwr Vlv Loop 4	30JEB40AA314	30UJA18009	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tk Level Upr Vlv Loop 4	30JEB40AA313	30UJA18009	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Coll Tk Drain Vlv Loop 4	30JEB40AA409	30UJA18009	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Oil Col Tk Flame Arrestor Loop 4	30JEB40AV503	30UJA11009	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
RCP-M Lwr Brg Oil Cooler Loop 4	30JEB40AC001	30UJA15009	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Fill/Drain Vlv Loop 4	30JEB40AA401	30UJA11009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Air Cooler #1 Loop 4	30JEB40AC002	30UJA15009	H	H	SI S		Y (5)
RCP-M Cooler #1 Drain Vlv Loop 4	30JEB40AA402	30UJA11009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Air Cooler #2 Loop 4	30JEB40AC003	30UJA15009	H	H	SI S		Y (5)
RCP-M Cooler #2 Drain Vlv Loop 4	30JEB40AA403	30UJA11009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Upr Brg Oil Cooler Loop 4	30JEB40AC004	30UJA15009	H	H	SI S		Y (5)
RCP-M Upr Brg Water Drain Vlv Loop 4	30JEB40AA404	30UJA11009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Upr Brg Oil Fill/Drain Vlv Loop 4	30JEB40AA405	30UJA11009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Upr Brg Oil Sump Vlv Loop 4	30JEB40AA406	30UJA11009	H	H	SI S	C/NM	Y (4) Y (5)
RCP-M Windings Anti-Cond Heaters Loop 4	30JEB40AH501	30UJA23009	H	H	SII NS-AQ		Y (5)
RCP TB Press Sensor Loop 4 (PB)	30JEB40CP002	30UJA11009	H	H	SI S		Y (5)
RCP TB Temp Sensor Loop 4 (PB)	30JEB40CT007	30UJA11009	H	H	SI S		Y (5)
RCP Seal #1 Diff Press Sensor #1 Loop 4 (PB)	30JEB40CP065	30UJA11009	H	H	SI S		Y (5)
RCP Seal #1 Diff Press Sensor #2 Loop 4 (PB)	30JEB40CP567	30UJA18009	H	H	SI S		Y (5)
RCP Seal #1 Temp Sensor #1 Loop 4 (PB)	30JEB40CT002	30UJA11009	H	H	SI S		Y (5)
RCP Seal #1 Temp Sensor #2 Loop 4 (PB)	30JEB40CT003	30UJA11009	H	H	SI S		Y (5)
RCP Seal #2 Tk Level Sensor #1 Loop 4 (PB)	30JEB40CL065	30UJA11009	H	H	SII NS-AQ		Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 29 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCP Seal #2 Tk Level Sensor #2 Loop 4 (PB)	30JEB40CL066	30UJA11009	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Leakoff Flowrate Sensor #1 Loop 4 (PB)	30JEB40CF063	30UJA11009	H	H	SII NS-AQ		Y (5)
RCP Seal #2 Leakoff Flowrate Sensor #2 Loop 4 (PB)	30JEB40CF064	30UJA11009	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Sensor #1 Loop 4 (PB)	30JEB40CL057	30UJA11009	H	H	SII NS-AQ		Y (5)
RCP Seal #3 Tk Level Sensor #2 Loop 4 (PB)	30JEB40CL061	30UJA11009	H	H	SII NS-AQ		Y (5)
RCP SSSS Position Sensor #1 Loop 4 (M)	30JEB40CG050A	30UJA11009	H	H	SII NS-AQ		Y (5)
RCP SSSS Position Sensor #2 Loop 4 (M)	30JEB40CG050B	30UJA11009	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #1 Loop 4 (M)	30JEB40CE089	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #2 Loop 4 (M)	30JEB40CE090	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Diff Current Sensor #3 Loop 4 (M)	30JEB40CE091	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Current Sensor #1 Loop 4 (M)	30JEB40CE889	34UJK18027	M	M	SI S		Y (5)
RCP-M Current Sensor #2 Loop 4 (M)	30JEB40CE890	34UJK18027	M	M	SI S		Y (5)
RCP-M Current Sensor #3 Loop 4 (M)	30JEB40CE891	34UJK18027	M	M	SI S		Y (5)
RCP-M Speed Sensor Loop 4 (M)	30JEB40CS896	30UJA18009	H	H	SI S		Y (5)
RCP-M Speed Sensor - Standby Loop 4 (M)	30JEB40CS897	30UJA18009	H	H	SI S		Y (5)
RCP-M Winding Temp Sensor #1 Loop 4 (M)	30JEB40CT069	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Winding Temp Sensor #2 Loop 4 (M)	30JEB40CT070	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Winding Temp Sensor #3 Loop 4 (M)	30JEB40CT071	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Oil Tank Temp Sensor Loop 4 (PB)	30JEB40CT585	30UJA18009	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Level Sensor #1 Loop 4 (PB)	30JEB40CL051	30UJA18009	H	H	SI S		Y (5)
RCP-M Lwr Brg Oil Level Sensor #2 Loop 4 (PB)	30JEB40CL501	30UJA18009	H	H	SI S		Y (5)
RCP-M Lwr Rad Brg Temp Sensor #1 Loop 4 (M)	30JEB40CT075	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Rad Brg Temp Sensor #2 Loop 4 (M)	30JEB40CT084	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Thr Brg Temp Sensor #1 Loop 4 (M)	30JEB40CT080	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Lwr Thr Brg Temp Sensor #2 Loop 4 (M)	30JEB40CT081	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Upr Oil Tk Temp Sensor Loop 4 (PB)	30JEB40CT504	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Upr Brg Oil Level Sensor #1 Loop 4 (PB)	30JEB40CL055	30UJA18009	H	H	SI S		Y (5)
RCP-M Upr Brg Oil Level Sensor #2 Loop 4 (PB)	30JEB40CL503	30UJA18009	H	H	SI S		Y (5)
RCP-M Upr Rad Brg Temp Sensor #1 Loop 4 (M)	30JEB40CT076	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Upr Rad Brg Temp Sensor #2 Loop 4 (M)	30JEB40CT077	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Upr Thr Brg Temp Sensor #1 Loop 4 (M)	30JEB40CT078	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Upr Thr Brg Temp Sensor #2 Loop 4 (M)	30JEB40CT079	30UJA18009	H	H	SII NS-AQ		Y (5)
RCP-M Oil Press Sensor #1 Loop 4 (PB)	30JEB40CP099	30UJA18009	H	H	SI S		Y (5)
RCP-M Oil Press Sensor #2 Loop 4 (PB)	30JEB40CP505	30UJA18009	H	H	SI S		Y (5)
RCP-M Oil Coll Tk Level Sensor Loop 4 (PB)	30JEB40CL056	30UJA18009	H	H	SII NS-AQ		Y (5)
<b>Reactor Coolant Loop 1</b>							
H/L Level Instr Lower Vlv Loop 1	30JEC10AA303	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
H/L Level Instr Upper Vlv Loop 1	30JEC10AA302	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 30 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Flowrate Instr Inner Radius Vlv Loop 1	30JEC10AA305	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #1 Loop 1	30JEC10AA304	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #2 Loop 1	30JEC10AA306	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #3 Loop 1	30JEC10AA307	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #4 Loop 1	30JEC10AA308	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
RCP Suction Press Instr Vlv #1 Loop 1	30JEC10AA310	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
RCP Suction Press Instr Vlv #2 Loop 1	30JEC10AA312	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
RCP Disch Press Instr Vlv #1 Loop 1	30JEC10AA311	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
RCP Disch Press Instr Vlv #2 Loop 1	30JEC10AA313	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
RCS Flowrate Sensor #1 Loop 1 (PB)	30JEC10CF815	30UJA15003	H	H	SI S		Y (5)
RCS Flowrate Sensor #2 Loop 1 (PB)	30JEC10CF817	30UJA15003	H	H	SI S		Y (5)
RCS Flowrate Sensor #3 Loop 1 (PB)	30JEC10CF819	30UJA15003	H	H	SI S		Y (5)
RCS Flowrate Sensor #4 Loop 1 (PB)	30JEC10CF821	30UJA15003	H	H	SI S		Y (5)
RCS Loop Level Sensor Loop 1 (PB)	30JEC10CL823	30UJA15003	H	H	SI S		Y (5)
RCP Delta P Sensor #1 Loop 1 (PB)	30JEC10CP801	30UJA15003	H	H	SI S		Y (5)
RCP Delta P Sensor #2 Loop 1 (PB)	30JEC10CP802	30UJA15003	H	H	SI S		Y (5)
H/L NR Temp Sensor #1 Loop 1 (PB)	30JEC10CT801	30UJA15003	H	H	SI S		Y (5)
H/L NR Temp Sensor #2 Loop 1 (PB)	30JEC10CT802	30UJA15003	H	H	SI S		Y (5)
H/L NR Temp Sensor #3 Loop 1 (PB)	30JEC10CT803	30UJA15003	H	H	SI S		Y (5)
H/L NR Temp Sensor #4 Loop 1 (PB)	30JEC10CT804	30UJA15003	H	H	SI S		Y (5)
H/L WR Temp Sensor Loop 1 (PB)	30JEC10CT805	30UJA15003	H	H	SI S		Y (5)
C/L NR Temp Sensor #1 Loop 1 (PB)	30JEC10CT807	30UJA15002	H	H	SI S		Y (5)
C/L NR Temp Sensor #2 Loop 1 (PB)	30JEC10CT808	30UJA15002	H	H	SI S		Y (5)
C/L WR Temp Sensor Loop 1 (PB)	30JEC10CT811	30UJA15002	H	H	SI S		Y (5)
<b>Reactor Coolant Loop 2</b>							
H/L Level Instr Lower Vlv Loop 2	30JEC20AA303	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
H/L Level Instr Upper Vlv Loop 2	30JEC20AA302	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Inner Radius Vlv Loop 2	30JEC20AA305	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #1 Loop 2	30JEC20AA304	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #2 Loop 2	30JEC20AA306	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #3 Loop 2	30JEC20AA307	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #4 Loop 2	30JEC20AA308	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
RCP Suction Press Instr Vlv #1 Loop 2	30JEC20AA310	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
RCP Suction Press Instr Vlv #2 Loop 2	30JEC20AA312	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
RCP Disch Press Instr Vlv #1 Loop 2	30JEC20AA311	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
RCP Disch Press Instr Vlv #2 Loop 2	30JEC20AA313	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
RCS Flowrate Sensor #1 Loop 2 (PB)	30JEC20CF815	30UJA15004	H	H	SI S		Y (5)
RCS Flowrate Sensor #2 Loop 2 (PB)	30JEC20CF817	30UJA15004	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 31 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RCS Flowrate Sensor #3 Loop 2 (PB)	30JEC20CF819	30UJA15004	H	H	SI S		Y (5)
RCS Flowrate Sensor #4 Loop 2 (PB)	30JEC20CF821	30UJA15004	H	H	SI S		Y (5)
RCS Loop Level Sensor Loop 2 (PB)	30JEC20CL823	30UJA15004	H	H	SI S		Y (5)
RCP Delta P Sensor #1 Loop 2 (PB)	30JEC20CP801	30UJA15004	H	H	SI S		Y (5)
RCP Delta P Sensor #2 Loop 2 (PB)	30JEC20CP802	30UJA15004	H	H	SI S		Y (5)
H/L NR Temp Sensor #1 Loop 2 (PB)	30JEC20CT801	30UJA15004	H	H	SI S		Y (5)
H/L NR Temp Sensor #2 Loop 2 (PB)	30JEC20CT802	30UJA15004	H	H	SI S		Y (5)
H/L NR Temp Sensor #3 Loop 2 (PB)	30JEC20CT803	30UJA15004	H	H	SI S		Y (5)
H/L NR Temp Sensor #4 Loop 2 (PB)	30JEC20CT804	30UJA15004	H	H	SI S		Y (5)
H/L WR Temp Sensor Loop 2 (PB)	30JEC20CT805	30UJA15004	H	H	SI S		Y (5)
C/L NR Temp Sensor #1 Loop 2 (PB)	30JEC20CT807	30UJA15005	H	H	SI S		Y (5)
C/L NR Temp Sensor #2 Loop 2 (PB)	30JEC20CT808	30UJA15005	H	H	SI S		Y (5)
C/L WR Temp Sensor Loop 2 (PB)	30JEC20CT811	30UJA15005	H	H	SI S		Y (5)
<b>Reactor Coolant Loop 3</b>							
H/L Level Instr Lower Vlv Loop 3	30JEC30AA303	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
H/L Level Instr Upper Vlv Loop 3	30JEC30AA302	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Inner Radius Vlv Loop 3	30JEC30AA305	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #1 Loop 3	30JEC30AA304	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #2 Loop 3	30JEC30AA306	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #3 Loop 3	30JEC30AA307	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #4 Loop 3	30JEC30AA308	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
RCP Suction Press Instr Vlv #1 Loop 3	30JEC30AA310	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
RCP Suction Press Instr Vlv #2 Loop 3	30JEC30AA312	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
RCP Disch Press Instr Vlv #1 Loop 3	30JEC30AA311	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
RCP Disch Press Instr Vlv #2 Loop 3	30JEC30AA313	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
RCS Flowrate Sensor #1 Loop 3 (PB)	30JEC30CF815	30UJA15007	H	H	SI S		Y (5)
RCS Flowrate Sensor #2 Loop 3 (PB)	30JEC30CF817	30UJA15007	H	H	SI S		Y (5)
RCS Flowrate Sensor #3 Loop 3 (PB)	30JEC30CF819	30UJA15007	H	H	SI S		Y (5)
RCS Flowrate Sensor #4 Loop 3 (PB)	30JEC30CF821	30UJA15007	H	H	SI S		Y (5)
RCS Loop Level Sensor Loop 3 (PB)	30JEC30CL823	30UJA15007	H	H	SI S		Y (5)
RCP Delta P Sensor #1 Loop 3 (PB)	30JEC30CP801	30UJA15007	H	H	SI S		Y (5)
RCP Delta P Sensor #2 Loop 3 (PB)	30JEC30CP802	30UJA15007	H	H	SI S		Y (5)
H/L NR Temp Sensor #1 Loop 3 (PB)	30JEC30CT801	30UJA15007	H	H	SI S		Y (5)
H/L NR Temp Sensor #2 Loop 3 (PB)	30JEC30CT802	30UJA15007	H	H	SI S		Y (5)
H/L NR Temp Sensor #3 Loop 3 (PB)	30JEC30CT803	30UJA15007	H	H	SI S		Y (5)
H/L NR Temp Sensor #4 Loop 3 (PB)	30JEC30CT804	30UJA15007	H	H	SI S		Y (5)
H/L WR Temp Sensor Loop 3 (PB)	30JEC30CT805	30UJA15007	H	H	SI S		Y (5)
C/L NR Temp Sensor #1 Loop 3 (PB)	30JEC30CT807	30UJA15006	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 32 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
C/L NR Temp Sensor #2 Loop 3 (PB)	30JEC30CT808	30UJA15006	H	H	SI S		Y (5)
C/L WR Temp Sensor Loop 3 (PB)	30JEC30CT811	30UJA11006	H	H	SI S		Y (5)
PZR Surge Line Temp Sensor (PB)	30JEC30CT056	30UJA15007	H	H	SI S		Y (5)
<b>Reactor Coolant Loop 4</b>							
H/L Level Instr Lower Vlv Loop 4	30JEC40AA303	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
H/L Level Instr Upper Vlv Loop 4	30JEC40AA302	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Inner Radius Vlv Loop 4	30JEC40AA305	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #1 Loop 4	30JEC40AA304	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #2 Loop 4	30JEC40AA306	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #3 Loop 4	30JEC40AA307	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
Flowrate Instr Outer Rad Vlv #4 Loop 4	30JEC40AA308	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
RCP Suction Press Instr Vlv #1 Loop 4	30JEC40AA310	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
RCP Suction Press Instr Vlv #2 Loop 4	30JEC40AA312	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
RCP Disch Press Instr Vlv #1 Loop 4	30JEC40AA311	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
RCP Disch Press Instr Vlv #2 Loop 4	30JEC40AA313	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
RCS Flowrate Sensor #1 Loop 4 (PB)	30JEC40CF815	30UJA15008	H	H	SI S		Y (5)
RCS Flowrate Sensor #2 Loop 4 (PB)	30JEC40CF817	30UJA15008	H	H	SI S		Y (5)
RCS Flowrate Sensor #3 Loop 4 (PB)	30JEC40CF819	30UJA15008	H	H	SI S		Y (5)
RCS Flowrate Sensor #4 Loop 4 (PB)	30JEC40CF821	30UJA15008	H	H	SI S		Y (5)
RCS Loop Level Sensor Loop 4 (PB)	30JEC40CL823	30UJA15008	H	H	SI S		Y (5)
RCP Delta P Sensor #1 Loop 4 (PB)	30JEC40CP801	30UJA15008	H	H	SI S		Y (5)
RCP Delta P Sensor #2 Loop 4 (PB)	30JEC40CP802	30UJA15008	H	H	SI S		Y (5)
H/L NR Temp Sensor #1 Loop 4 (PB)	30JEC40CT801	30UJA15008	H	H	SI S		Y (5)
H/L NR Temp Sensor #2 Loop 4 (PB)	30JEC40CT802	30UJA15008	H	H	SI S		Y (5)
H/L NR Temp Sensor #3 Loop 4 (PB)	30JEC40CT803	30UJA15008	H	H	SI S		Y (5)
H/L NR Temp Sensor #4 Loop 4 (PB)	30JEC40CT804	30UJA15008	H	H	SI S		Y (5)
H/L WR Temp Sensor Loop 4 (PB)	30JEC40CT805	30UJA15008	H	H	SI S		Y (5)
C/L NR Temp Sensor #1 Loop 4 (PB)	30JEC40CT807	30UJA15009	H	H	SI S		Y (5)
C/L NR Temp Sensor #2 Loop 4 (PB)	30JEC40CT808	30UJA15009	H	H	SI S		Y (5)
C/L WR Temp Sensor Loop 4 (PB)	30JEC40CT811	30UJA15009	H	H	SI S		Y (5)
<b>Pressurizer</b>							
Pressurizer	30JEF10BB001	30UJA23019	H	H	SI S		Y (5)
PSRV #1	30JEF10AA191	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #1 Pilot Valve #1	30JEF10AA739	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #1 Pilot Valve #2	30JEF10AA740	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #1 Pilot #1 Impulse Vlv	30JEF10AA711	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #1 Pilot #2 Impulse Vlv	30JEF10AA712	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 33 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
PSRV #1 Pilot Valve #1 Iso Valve	30JEF10AA715	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #1 Pilot Valve #2 Iso Valve	30JEF10AA716	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #1 Pilot Valve #1 Vent Valve	30JEF10AA713	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #1 Pilot Valve #2 Vent Valve	30JEF10AA714	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #1 SOV #1	30JEF10AA717	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #1 SOV #2	30JEF10AA718	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2	30JEF10AA192	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2 Pilot Valve #1	30JEF10AA741	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2 Pilot Valve #2	30JEF10AA742	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2 Pilot #1 Impulse Vlv	30JEF10AA721	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2 Pilot #2 Impulse Vlv	30JEF10AA722	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2 Pilot Valve #1 Iso Valve	30JEF10AA725	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2 Pilot Valve #2 Iso Valve	30JEF10AA726	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2 Pilot Valve #1 Vent Valve	30JEF10AA723	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2 Pilot Valve #2 Vent Valve	30JEF10AA724	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2 SOV #1	30JEF10AA727	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #2 SOV #2	30JEF10AA728	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3	30JEF10AA193	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3 Pilot Valve #1	30JEF10AA743	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3 Pilot Valve #2	30JEF10AA744	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3 Pilot #1 Impulse Vlv	30JEF10AA731	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3 Pilot #2 Impulse Vlv	30JEF10AA732	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3 Pilot Valve #1 Iso Valve	30JEF10AA735	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3 Pilot Valve #2 Iso Valve	30JEF10AA736	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3 Pilot Valve #1 Vent Valve	30JEF10AA733	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3 Pilot Valve #2 Vent Valve	30JEF10AA734	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3 SOV #1	30JEF10AA737	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #3 SOV #2	30JEF10AA738	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PDS Vlv #1	30JEF10AA004	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PDS Vlv #2	30JEF10AA005	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PDS Vlv #3	30JEF10AA006	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PDS Vlv #4	30JEF10AA007	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
Bypass Vlv for PDS Vlv #1	30JEF10AA010	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
Bypass Vlv for PDS Vlv #3	30JEF10AA009	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Normal Spray Vlv Loop 2	30JEF10AA102	30UJA18018	H	H	SI S	C/NM	Y (4) Y (5)
PZR Normal Spray Vlv Loop 3	30JEF10AA103	30UJA18018	H	H	SI S	C/NM	Y (4) Y (5)
PZR Spray Bypass Vlv Loop 2	30JEF10AA002	30UJA18018	H	H	SI S	C/NM	Y (4) Y (5)
PZR Spray Bypass Vlv Loop 3	30JEF10AA003	30UJA18018	H	H	SI S	C/NM	Y (4) Y (5)
PZR Sampling Line Vlv	30JEF10AA601	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 34 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
PZR Auxiliary Spray Check Vlv	30JEF10AA008	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Spray Press Instr Vlv Loop 3	30JEF10AA309	30UJA29019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Steam Level Instr Vlv #1	30JEF10AA302	30UJA29019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Steam Level Instr Vlv #2	30JEF10AA301	30UJA29019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Steam Level Instr Vlv #3	30JEF10AA304	30UJA29019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Steam Level Instr Vlv #4	30JEF10AA303	30UJA29019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Liquid Level Instr Vlv #1	30JEF10AA305	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Liquid Level Instr Vlv #2	30JEF10AA306	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Liquid Level Instr Vlv #3	30JEF10AA307	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Liquid Level Instr Vlv #4	30JEF10AA308	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #1 Train 1 (PB)	30JEF10AH111A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #2 Train 1 (PB)	30JEF10AH111B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #3 Train 1 (PB)	30JEF10AH111C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #4 Train 1 (PB)	30JEF10AH112A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #5 Train 1 (PB)	30JEF10AH112B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #6 Train 1 (PB)	30JEF10AH112C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #7 Train 1 (PB)	30JEF10AH113A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #8 Train 1 (PB)	30JEF10AH113B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #9 Train 1 (PB)	30JEF10AH113C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #10 Train 1 (PB)	30JEF10AH114A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #11 Train 1 (PB)	30JEF10AH114B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #12 Train 1 (PB)	30JEF10AH114C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #1 Train 1 (PB)	30JEF10AH121A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #2 Train 1 (PB)	30JEF10AH121B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #3 Train 1 (PB)	30JEF10AH121C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #4 Train 1 (PB)	30JEF10AH122A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #5 Train 1 (PB)	30JEF10AH122B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #6 Train 1 (PB)	30JEF10AH122C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #7 Train 1 (PB)	30JEF10AH123A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #8 Train 1 (PB)	30JEF10AH123B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #9 Train 1 (PB)	30JEF10AH123C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #1 Train 1 (PB)	30JEF10AH131A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #2 Train 1 (PB)	30JEF10AH131B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #3 Train 1 (PB)	30JEF10AH131C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #4 Train 1 (PB)	30JEF10AH132A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #5 Train 1 (PB)	30JEF10AH132B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #6 Train 1 (PB)	30JEF10AH132C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #1 Train 2 (PB)	30JEF10AH211A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #2 Train 2 (PB)	30JEF10AH211B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 35 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
PZR On-Off Heater #3 Train 2 (PB)	30JEF10AH211C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #4 Train 2 (PB)	30JEF10AH212A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #5 Train 2 (PB)	30JEF10AH212B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #6 Train 2 (PB)	30JEF10AH212C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #7 Train 2 (PB)	30JEF10AH213A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #8 Train 2 (PB)	30JEF10AH213B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #9 Train 2 (PB)	30JEF10AH213C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #10 Train 2 (PB)	30JEF10AH214A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #11 Train 2 (PB)	30JEF10AH214B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #12 Train 2 (PB)	30JEF10AH214C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #13 Train 2 (PB)	30JEF10AH215A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #14 Train 2 (PB)	30JEF10AH215B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #15 Train 2 (PB)	30JEF10AH215C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #1 Train 2 (PB)	30JEF10AH221A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #2 Train 2 (PB)	30JEF10AH221B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #3 Train 2 (PB)	30JEF10AH221C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #4 Train 2 (PB)	30JEF10AH222A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #5 Train 2 (PB)	30JEF10AH222B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #6 Train 2 (PB)	30JEF10AH222C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #1 Train 2 (PB)	30JEF10AH233A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #2 Train 2 (PB)	30JEF10AH233B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #3 Train 2 (PB)	30JEF10AH233C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #4 Train 2 (PB)	30JEF10AH234A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #5 Train 2 (PB)	30JEF10AH234B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #6 Train 2 (PB)	30JEF10AH234C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #1 Train 3 (PB)	30JEF10AH311A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #2 Train 3 (PB)	30JEF10AH311B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #3 Train 3 (PB)	30JEF10AH311C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #4 Train 3 (PB)	30JEF10AH312A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #5 Train 3 (PB)	30JEF10AH312B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #6 Train 3 (PB)	30JEF10AH312C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #7 Train 3 (PB)	30JEF10AH313A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #8 Train 3 (PB)	30JEF10AH313B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #9 Train 3 (PB)	30JEF10AH313C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #10 Train 3 (PB)	30JEF10AH314A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #11 Train 3 (PB)	30JEF10AH314B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #12 Train 3 (PB)	30JEF10AH314C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #13 Train 3 (PB)	30JEF10AH315A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #14 Train 3 (PB)	30JEF10AH315B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 36 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
PZR On-Off Heater #15 Train 3 (PB)	30JEF10AH315C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #1 Train 3 (PB)	30JEF10AH321A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #2 Train 3 (PB)	30JEF10AH321B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #3 Train 3 (PB)	30JEF10AH321C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #4 Train 3 (PB)	30JEF10AH322A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #5 Train 3 (PB)	30JEF10AH322B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #6 Train 3 (PB)	30JEF10AH322C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #1 Train 3 (PB)	30JEF10AH331A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #2 Train 3 (PB)	30JEF10AH331B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #3 Train 3 (PB)	30JEF10AH331C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #4 Train 3 (PB)	30JEF10AH332A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #5 Train 3 (PB)	30JEF10AH332B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #6 Train 3 (PB)	30JEF10AH332C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #1 Train 4 (PB)	30JEF10AH411A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #2 Train 4 (PB)	30JEF10AH411B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #3 Train 4 (PB)	30JEF10AH411C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #4 Train 4 (PB)	30JEF10AH412A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #5 Train 4 (PB)	30JEF10AH412B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #6 Train 4 (PB)	30JEF10AH412C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #7 Train 4 (PB)	30JEF10AH413A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #8 Train 4 (PB)	30JEF10AH413B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #9 Train 4 (PB)	30JEF10AH413C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #10 Train 4 (PB)	30JEF10AH414A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #11 Train 4 (PB)	30JEF10AH414B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #12 Train 4 (PB)	30JEF10AH414C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #1 Train 4 (PB)	30JEF10AH421A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #2 Train 4 (PB)	30JEF10AH421B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #3 Train 4 (PB)	30JEF10AH421C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #4 Train 4 (PB)	30JEF10AH422A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #5 Train 4 (PB)	30JEF10AH422B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #6 Train 4 (PB)	30JEF10AH422C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #7 Train 4 (PB)	30JEF10AH423A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #8 Train 4 (PB)	30JEF10AH423B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Proportional Heater #9 Train 4 (PB)	30JEF10AH423C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #1 Train 4 (PB)	30JEF10AH433A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #2 Train 4 (PB)	30JEF10AH433B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #3 Train 4 (PB)	30JEF10AH433C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #4 Train 4 (PB)	30JEF10AH434A	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PZR On-Off Heater #5 Train 4 (PB)	30JEF10AH434B	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 37 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
PZR On-Off Heater #6 Train 4 (PB)	30JEF10AH434C	30UJA18019	H	H	SI S	C/NM	Y (4) Y (5)
PSRV #1 Position Sensor (M)	30JEF10CG191B	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #1 Temp Sensor #1 (PB)	30JEG10CT013	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #1 Temp Sensor #2 (PB)	30JEG10CT016	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #1 Temp Sensor #3 (PB)	30JEG10CT017	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #1 Relief Line Temp Sensor (PB)	30JEF10CT061	30UJA34019	H	H	SI S		Y (5)
PSRV #2 Position Sensor (M)	30JEF10CG192B	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #2 Temp Sensor #1 (PB)	30JEG10CT023	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #2 Temp Sensor #2 (PB)	30JEG10CT026	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #2 Temp Sensor #3 (PB)	30JEG10CT027	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #2 Relief Line Temp Sensor (PB)	30JEF10CT062	30UJA34019	H	H	SI S		Y (5)
PSRV #3 Position Sensor (M)	30JEF10CG193B	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #3 Temp Sensor #1 (PB)	30JEG10CT033	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #3 Temp Sensor #2 (PB)	30JEG10CT036	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #3 Temp Sensor #3 (PB)	30JEG10CT037	30UJA34019	H	H	SII NS-AQ		Y (5)
PSRV #3 Relief Line Temp Sensor (PB)	30JEF10CT063	30UJA34019	H	H	SI S		Y (5)
PDS Vlv Temp Sensor (PB)	30JEF10CT064	30UJA34019	H	H	SI S		Y (5)
PZR Spray Temp Sensor #1 (PB)	30JEF10CT054	30UJA29019	H	H	SI S		Y (5)
PZR Spray Temp Sensor #2 (PB)	30JEF10CT055	30UJA29019	H	H	SI S		Y (5)
PZR/RCS Level Sensor #1 (PB)	30JEF10CL081	30UJA15008	H	H	SI S		Y (5)
PZR/RCS Level Sensor #2 (PB)	30JEF10CL782	30UJA15008	H	H	SI S		Y (5)
PZR Level Sensor #1 (PB)	30JEF10CL802	30UJA15009	H	H	SI S		Y (5)
PZR Level Sensor #2 (PB)	30JEF10CL804	30UJA15009	H	H	SI S		Y (5)
PZR Level Sensor #3 (PB)	30JEF10CL806	30UJA15009	H	H	SI S		Y (5)
PZR Level Sensor #4 (PB)	30JEF10CL808	30UJA15009	H	H	SI S		Y (5)
PZR NR Press Sensor #1 (PB)	30JEF10CP801	30UJA18019	H	H	SI S		Y (5)
PZR NR Press Sensor #2 (PB)	30JEF10CP803	30UJA18019	H	H	SI S		Y (5)
PZR NR Press Sensor #3 (PB)	30JEF10CP805	30UJA18019	H	H	SI S		Y (5)
PZR NR Press Sensor #4 (PB)	30JEF10CP807	30UJA18019	H	H	SI S		Y (5)
PZR Steam Temp Sensor (PB)	30JEF10CT050	30UJA29019	H	H	SI S		Y (5)
PZR Water Temp Sensor (PB)	30JEF10CT057	30UJA29019	H	H	SI S		Y (5)
<b>Pressurizer Relief System</b>							
PRT	30JEG10BB001	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Instr Lower Vlv	30JEG10AA310	30UJA11019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PRT Instr Upper Vlv	30JEG10AA309	30UJA11019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PRT Vacuum Breaker	30JEG10AA015	30UJA11019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PRT Rupture Disk #1	30JEG10AA195	30UJA11019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PRT Rupture Disk #2	30JEG10AA196	30UJA11019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 38 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
PRT Disch Line #1 Thermal Exp Bellow	30JEG10BZ195	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Disch Line #2 Thermal Exp Bellow	30JEG10BZ196	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Disch Line C-C Thermal Exp Bellow	30JEG10BZ197	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Disch Line #1 Penetration	30JEG10BQ195	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Disch Line #2 Penetration	30JEG10BQ196	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Tank Filling Line Iso Vlv	30JEG10AA013	30UJA15018	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PRT Cooling Line Iso Vlv	30JEG10AA012	30UJA15018	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PRT Vent Line Iso Vlv	30JEG10AA014	30UJA11019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PRT Drain Vlv	30JEG10AA401	30UJA11019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PZR Degassing Vlv #1	30JEF10AA503	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Degassing Vlv #2	30JEF10AA504	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Degassing Vlv #3	30JEG10AA504	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PZR Degassing Vlv #4	30JEG10AA505	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PZR Degassing Vlv #5	30JEG10AA506	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PZR High Flow Degas Limiter	30JEG10BP504	30UJA34015	H	H	SII NS-AQ		Y (5)
PZR Low Flow Degas Limiter	30JEG10BP505	30UJA34015	H	H	SII NS-AQ		Y (5)
PZR Degassing Vent Iso Vlv	30JEG10AA025	30UJA11019	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PZR Degassing Drain Vlv #1	30JEF10AA402	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Degassing Drain Vlv #2	30JEF10AA403	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Vacuum Pump/N2 Vlv #1	30JEF10AA501	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Vacuum Pump/N2 Vlv #2	30JEF10AA502	30UJA34019	H	H	SI S	C/NM	Y (4) Y (5)
PZR Nitrogen Supply Iso Vlv	30JEG10AA019	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PZR Nitrogen Supply Check Vlv	30JEG10AA021	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PZR Vacuum Pump Iso Vlv	30JEG10AA503	30UJA34015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
PRT Level Sensor #1 (PB)	30JEG10CL051	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Level Sensor #2 (PB)	30JEG10CL151	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Press Sensor #1 (PB)	30JEG10CP061	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Press Sensor #2 (PB)	30JEG10CP161	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Temp Sensor #1 (PB)	30JEG10CT021	30UJA11019	H	H	SII NS-AQ		Y (5)
PRT Temp Sensor #2 (PB)	30JEG10CT121	30UJA11019	H	H	SII NS-AQ		Y (5)
PZR Vacuum Press Sensor (PB)	30JEF10CP007	30UJA29019	H	H	SI S		Y (5)
<b>Safety Injection &amp; Residual Heat Removal System (SIS &amp; RHRS)</b>							
RHR 1st RCPB Isolation Valve	30JNA10AA001	30UJA11003	H	H	ES SI S	C/NM	Y (4) Y (5)
RHR 2nd RCPB Isolation Valve	30JNA10AA002	30UJA11025	H	H	ES SI S	C/NM	Y (4) Y (5)
RHR Outside Containment Isolation Valve	30JNA10AA003	31UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
RHR 1st RCPB Bypass Check Valve	30JNA10AA009	30UJA11003	H	H	ES SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 39 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)		
					Function (Note 3)						
LHSI HX Bypass Control Valve	30JNA10AA101	31UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)	
RHR Suction Line Safety Valve	30JNA10AA191	30UJA11025	H	H	ES	SI	S	C/NM	Y (4)	Y (5)	
LHSI HX Byp. Control Valve Pos. Sensor	30JNA10CG101	31UJH05004	M	H	ES	PAM	SI	S	C/NM	Y (3)	Y (5)
RHR Suct. Line Safety Valve Pos. Sensor	30JNA10CG191B	30UJA11025	H	H	ES	PAM	SI	S	C/NM	Y (4)	Y (5)
SAB Sump Level Sensor 1	30JNA10CL801	31UJH10004	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 2	30JNA10CL802	31UJH10004	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 3	30JNA10CL803	31UJH10004	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 4	30JNA10CL804	31UJH10004	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
Hot Leg RHR Suction Pressure Sensor	30JNA10CP001	30UJA07014	H	H	SI	S		C/NM	Y (4)	Y (5)	
SAB Pressure Sensor 1	30JNA10CP801	31UJH10004	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Pressure Sensor 2	30JNA10CP802	31UJH10004	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Pressure Sensor 3	30JNA10CP803	31UJH10004	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Pressure Sensor 4	30JNA10CP804	31UJH10004	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
Hot Leg Pressure Sensor (WR)	30JNA10CP826	30UJA07014	H	H	ES	PAM	SI	S	C/NM	Y (4)	Y (5)
Hot Leg Pressure Sensor (NR)	30JNA10CP827	30UJA07014	H	H	ES	PAM	SI	S	C/NM	Y (4)	Y (5)
HL RHR Suction Temperature Sensor	30JNA10CT001	30UJA11003	H	H			SI	S	C/NM	Y (4)	Y (5)
RHR 1st RCPB Isolation Valve	30JNA20AA001	30UJA11004	H	H	ES	SI	S	C/NM	Y (4)	Y (5)	
RHR 2nd RCPB Isolation Valve	30JNA20AA002	30UJA11026	H	H	ES	SI	S	C/NM	Y (4)	Y (5)	
RHR Outside Containment Isolation Valve	30JNA20AA003	32UJH05002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)	
RHR 1st RCPB Bypass Check Valve	30JNA20AA009	30UJA11004	H	H	ES	SI	S	C/NM	Y (4)	Y (5)	
LHSI HX Bypass Control Valve	30JNA20AA101	32UJH05002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)	
RHR Suction Line Safety Valve	30JNA20AA191	30UJA11026	H	H	ES	SI	S	C/NM	Y (4)	Y (5)	
LHSI HX Byp. Control Valve Pos. Sensor	30JNA20CG101	32UJH05002	M	H	ES	PAM	SI	S	C/NM	Y (3)	Y (5)
RHR Suct. Line Safety Valve Pos. Sensor	30JNA20CG191B	30UJA11026	H	H	ES	PAM	SI	S	C/NM	Y (4)	Y (5)
SAB Sump Level Sensor 1	30JNA20CL801	32UJH10002	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 2	30JNA20CL802	32UJH10002	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 3	30JNA20CL803	32UJH10002	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 4	30JNA20CL804	32UJH10002	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
Hot Leg RHR Suction Pressure Sensor	30JNA20CP001	30UJA07014	H	H	SI	S		C/NM	Y (4)	Y (5)	
SAB Pressure Sensor 1	30JNA20CP801	32UJH10002	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Pressure Sensor 2	30JNA20CP802	32UJH10002	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Pressure Sensor 3	30JNA20CP803	32UJH10002	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Pressure Sensor 4	30JNA20CP804	32UJH10002	M	H			SII	NS-AQ	C/NM	Y (3)	Y (5)
Hot Leg Pressure Sensor (WR)	30JNA20CP826	30UJA07014	H	H	ES	PAM	SI	S	C/NM	Y (4)	Y (5)
Hot Leg Pressure Sensor (NR)	30JNA20CP827	30UJA07014	H	H	ES	PAM	SI	S	C/NM	Y (4)	Y (5)
HL RHR Suction Temperature Sensor	30JNA20CT001	30UJA11004	H	H			SI	S	C/NM	Y (4)	Y (5)
RHR 1st RCPB Isolation Valve	30JNA30AA001	30UJA11007	H	H	ES	SI	S	C/NM	Y (4)	Y (5)	
RHR 2nd RCPB Isolation Valve	30JNA30AA002	30UJA11027	H	H	ES	SI	S	C/NM	Y (4)	Y (5)	
RHR Outside Containment Isolation Valve	30JNA30AA003	33UJH05002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)	

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 40 of 161

Name Tag (Equipment Description)	Tag Number	Local Area	EQ Environment (Note 1)	Radiation	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
		KKS ID (Room Location)		Environment	Zone (Note 2)	Function (Note 3)				
HX Byp. Iso. Valve on Puri. Line to CVCS	30JNA30AA004	33UJH05002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
HX Byp. Check Valve on Puri. Ln. to CVCS	30JNA30AA006	33UJH05002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RHR 1st RCPB Bypass Check Valve	30JNA30AA009	30UJA11007	H	H	ES	SI	S	C/NM		Y (4) Y (5)
LHSI HX Bypass Control Valve	30JNA30AA101	33UJH05002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
HX Byp. Thr. Valve on Puri. Line to CVCS	30JNA30AA103	33UJH05002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RHR Suction Line Safety Valve	30JNA30AA191	30UJA11027	H	H	ES	SI	S	C/NM		Y (4) Y (5)
LHSI HX Byp. Control Valve Pos. Sensor	30JNA30CG101	33UJH05002	M	H	ES PAM	SI	S	C/NM	Y (3)	Y (5)
HX Thr. Val. on Puri. to CVCS Pos. Ssr.	30JNA30CG103	33UJH05002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RHR Suct. Line Safety Valve Pos. Sensor	30JNA30CG191B	30UJA11027	H	H	ES PAM	SI	S	C/NM		Y (4) Y (5)
SAB Sump Level Sensor 1	30JNA30CL801	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 2	30JNA30CL802	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 3	30JNA30CL803	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 4	30JNA30CL804	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
Hot Leg RHR Suction Pressure Sensor	30JNA30CP001	30UJA07015	H	H		SI	S	C/NM		Y (4) Y (5)
SAB Pressure Sensor 1	30JNA30CP801	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Pressure Sensor 2	30JNA30CP802	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Pressure Sensor 3	30JNA30CP803	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Pressure Sensor 4	30JNA30CP804	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
Hot Leg Pressure Sensor (WR)	30JNA30CP826	30UJA07015	H	H	ES PAM	SI	S	C/NM		Y (4) Y (5)
Hot Leg Pressure Sensor (NR)	30JNA30CP827	30UJA07015	H	H	ES PAM	SI	S	C/NM		Y (4) Y (5)
HL RHR Suction Temperature Sensor	30JNA30CT001	30UJA11007	H	H		SI	S	C/NM		Y (4) Y (5)
Low-Pressure Puri. Line Temp. Sensor	30JNA30CT002	33UJH05002	M	H		SI	S	C/NM	Y (3)	Y (5)
RHR 1st RCPB Isolation Valve	30JNA40AA001	30UJA11008	H	H	ES	SI	S	C/NM		Y (4) Y (5)
RHR 2nd RCPB Isolation Valve	30JNA40AA002	30UJA11028	H	H	ES	SI	S	C/NM		Y (4) Y (5)
RHR Outside Containment Isolation Valve	30JNA40AA003	34UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
HX Byp. Iso. Valve on Puri. Line to CVCS	30JNA40AA004	34UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
HX Byp. Check Valve on Puri. Ln. to CVCS	30JNA40AA006	34UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RHR 1st RCPB Bypass Check Valve	30JNA40AA009	30UJA11008	H	H	ES	SI	S	C/NM		Y (4) Y (5)
LHSI HX Bypass Control Valve	30JNA40AA101	34UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
HX Byp. Thr. Valve on Puri. Line to CVCS	30JNA40AA103	34UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RHR Suction Line Safety Valve	30JNA40AA191	30UJA11028	H	H	ES	SI	S	C/NM		Y (4) Y (5)
LHSI HX Byp. Control Valve Pos. Sensor	30JNA40CG101	34UJH05004	M	H	ES PAM	SI	S	C/NM	Y (3)	Y (5)
HX Thr. Val. on Puri. to CVCS Pos. Ssr.	30JNA40CG103	34UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RHR Suct. Line Safety Valve Pos. Sensor	30JNA40CG191B	30UJA11028	H	H	ES PAM	SI	S	C/NM		Y (4) Y (5)
SAB Sump Level Sensor 1	30JNA40CL801	34UJH10004	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 2	30JNA40CL802	34UJH10004	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 3	30JNA40CL803	34UJH10004	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
SAB Sump Level Sensor 4	30JNA40CL804	34UJH10004	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
Hot Leg RHR Suction Pressure Sensor	30JNA40CP001	30UJA07015	H	H		SI	S	C/NM		Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 41 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
SAB Pressure Sensor 1	30JNA40CP801	34UJH10004	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
SAB Pressure Sensor 2	30JNA40CP802	34UJH10004	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
SAB Pressure Sensor 3	30JNA40CP803	34UJH10004	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
SAB Pressure Sensor 4	30JNA40CP804	34UJH10004	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
Hot Leg Pressure Sensor (WR)	30JNA40CP826	30UJA07016	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Hot Leg Pressure Sensor (NR)	30JNA40CP827	30UJA07016	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
HL RHR Suction Temperature Sensor	30JNA40CT001	30UJA11008	H	H	SI S	C/NM	Y (4) Y (5)
Low-Pressure Puri. Line Temp. Sensor	30JNA40CT002	34UJH05004	M	H	SI S	C/NM	Y (3) Y (5)
MHSI Suction Isolation Valve	30JND10AA001	31UJH01002	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI Outside Containment Isolation Valve	30JND10AA002	31UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI 2nd RCPB Isolation Valve	30JND10AA003	30UJA11025	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Small Miniflow Line Isolation Valve	30JND10AA004	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Large Miniflow Line Isolation Valve	30JND10AA005	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Inside Containment Isolation Valve	30JND10AA007	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Pump	30JND10AP001	31UJH01002	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI Flowrate Sensor (WR)	30JND10CF001A	31UJH01001	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Flowrate Sensor (NR)	30JND10CF001B	31UJH01001	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Pump Downstream Press. Sensor	30JND10CP003	31UJH01001	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Pump Upstream Press. Ind. (Local)	30JND10CP501	31UJH01002	M	H	SI S	C/NM	Y (3) Y (5)
MHSI Pump Downstream Press. Ind. (Local)	30JND10CP502	31UJH01002	M	H	SI S	C/NM	Y (3) Y (5)
MHSI Suction Isolation Valve	30JND20AA001	32UJH01007	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI Outside Containment Isolation Valve	30JND20AA002	32UJH05002	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI 2nd RCPB Isolation Valve	30JND20AA003	30UJA11026	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Small Miniflow Line Isolation Valve	30JND20AA004	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Large Miniflow Line Isolation Valve	30JND20AA005	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Inside Containment Isolation Valve	30JND20AA007	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Pump	30JND20AP001	32UJH01007	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI Flowrate Sensor (WR)	30JND20CF001A	32UJH01003	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Flowrate Sensor (NR)	30JND20CF001B	32UJH01003	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Pump Downstream Press. Sensor	30JND20CP003	32UJH01003	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Pump Upstream Press. Ind. (Local)	30JND20CP501	32UJH01007	M	H	SI S	C/NM	Y (3) Y (5)
MHSI Pump Downstream Press. Ind. (Local)	30JND20CP502	32UJH01007	M	H	SI S	C/NM	Y (3) Y (5)
MHSI Suction Isolation Valve	30JND30AA001	33UJH01007	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI Outside Containment Isolation Valve	30JND30AA002	33UJH05002	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI 2nd RCPB Isolation Valve	30JND30AA003	30UJA11027	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Small Miniflow Line Isolation Valve	30JND30AA004	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Large Miniflow Line Isolation Valve	30JND30AA005	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Inside Containment Isolation Valve	30JND30AA007	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Pump	30JND30AP001	33UJH01007	M	H	ES SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 42 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
MHSI Flowrate Sensor (WR)	30JND30CF001A	33UJH01003	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Flowrate Sensor (NR)	30JND30CF001B	33UJH01003	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Pump Downstream Press. Sensor	30JND30CP003	33UJH01003	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Pump Upstream Press. Ind. (Local)	30JND30CP501	33UJH01007	M	H	SI S	C/NM	Y (3) Y (5)
MHSI Pump Downstream Press. Ind. (Local)	30JND30CP502	33UJH01007	M	H	SI S	C/NM	Y (3) Y (5)
MHSI Suction Isolation Valve	30JND40AA001	34UJH01002	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI Outside Containment Isolation Valve	30JND40AA002	34UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI 2nd RCPB Isolation Valve	30JND40AA003	30UJA11028	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Small Miniflow Line Isolation Valve	30JND40AA004	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Large Miniflow Line Isolation Valve	30JND40AA005	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Inside Containment Isolation Valve	30JND40AA007	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
MHSI Pump	30JND40AP001	34UJH01002	M	H	ES SI S	C/NM	Y (3) Y (5)
MHSI Flowrate Sensor (WR)	30JND40CF001A	34UJH01001	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Flowrate Sensor (NR)	30JND40CF001B	34UJH01001	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Pump Downstream Press. Sensor	30JND40CP003	34UJH01001	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
MHSI Pump Upstream Press. Ind. (Local)	30JND40CP501	34UJH01002	M	H	SI S	C/NM	Y (3) Y (5)
MHSI Pump Downstream Press. Ind. (Local)	30JND40CP502	34UJH01002	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Suction Isolation Valve	30JNG10AA001	31UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Rad. Miniflow Line Check Valve	30JNG10AA003	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Tan. Miniflow Line Check Valve	30JNG10AA004	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI 2nd RCPB Isolation Valve	30JNG10AA006	30UJA11003	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Inside Containment Isolation Valve	30JNG10AA009	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Cross-Connect Isolation Valve	30JNG10AA010	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Cross-Connect Check Valve	30JNG10AA011	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Cross-Connect Bypass Check Valve	30JNG10AA012	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Outside Cont. Main Iso. Valve	30JNG10AA060	31UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Outside Cont. Bypass Iso. Valve	30JNG10AA061	31UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Heat Exchanger Main Control Valve	30JNG10AA102	31UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Heat Exchanger Pre-Valve	30JNG10AA104	31UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Discharge Line Safety Valve	30JNG10AA192	30UJA11025	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Sampling Line Isolation Valve	30JNG10AA601	31UJH05004	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Sampling Line Isolation Valve	30JNG10AA602	31UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Sampling Line Isolation Valve	30JNG10AA603	31UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Heat Exchanger	30JNG10AC001	31UJH05005	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Pump	30JNG10AP001	31UJH01006	M	H	ES SI S	C/NM	Y (3) Y (5)
RHR Flowrate Sensor (WR)	30JNG10CF001A	31UJH01001	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
RHR Flowrate Sensor (NR)	30JNG10CF001B	31UJH01001	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
LHSI Disch. Line Safety Val. Pos. Sensor	30JNG10CG192B	30UJA11025	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
LHSI HX Main Control Valve Pos. Sensor	30JNG10CG802	31UJH05004	M	H	ES PAM SI S	C/NM	Y (3) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 43 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
LHSI Pump Downstream Press. Sensor	30JNG10CP003	31UJH05010	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
LHSI Pump Upstream Press. Ind. (Local)	30JNG10CP501	31UJH01006	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Pump Downstream Press. Ind. (Local)	30JNG10CP502	31UJH01006	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Pump Downstream Temp. Sensor	30JNG10CT001	31UJH05004	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
RHR Temperature Sensor	30JNG10CT002	31UJH01002	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
LHSI Hot Leg Injection Isolation Valve	30JNG12AA001	31UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Hot Leg Injection Check Valve	30JNG12AA002	31UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
Hot Leg Injection Flowrate Sensor	30JNG12CF001	31UJH01001	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
Accumulator Filling Line Isolation Valve	30JNG13AA002	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
Accumulator Filling Line Check Valve	30JNG13AA003	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
SIS 1st RCPB Isolation Valve	30JNG13AA005	30UJA11002	H	H	ES SI S	C/NM	Y (4) Y (5)
Accum.-Nitrogen Distribution Iso. Valve	30JNG13AA006	30UJA23013	H	H	SI S	C/NM	Y (4) Y (5)
Accum.-Nitrogen Distribution Check Valve	30JNG13AA007	30UJA23013	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator Isolation Valve	30JNG13AA008	30UJA11025	H	H	ES SI S	C/NM	Y (4) Y (5)
Accumulator Check Valve	30JNG13AA009	30UJA11025	H	H	ES SI S	C/NM	Y (4) Y (5)
Accum. Depressurization Control Valve	30JNG13AA101	30UJA23013	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator Safety Valve	30JNG13AA197	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)
Accum. Depressurization Isolation Valve	30JNG13AA502	30UJA23013	H	H	SI S	C/NM	Y (4) Y (5)
Accum. Sampling Line Isolation Valve	30JNG13AA602	30UJA15013	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator	30JNG13BB001	30UJA15013	H	H	ES SI S	C/NM	Y (4) Y (5)
Accumulator Level Sensor 1 (NR)	30JNG13CL001	30UJA18013	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Level Sensor 2 (NR)	30JNG13CL002	30UJA18013	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Level Sensor (WR)	30JNG13CL003	30UJA15013	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Level Sensor (Local)	30JNG13CL504	30UJA15013	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor 1 (NR)	30JNG13CP001	30UJA23013	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor 2 (NR)	30JNG13CP002	30UJA23013	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Cold Leg Injection Pressure Sensor	30JNG13CP003	30UJA07014	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor (WR)	30JNG13CP004	30UJA23013	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor (Local)	30JNG13CP503	30UJA23013	H	H	SI S	C/NM	Y (4) Y (5)
Cold Leg Injection Temperature Sensor	30JNG13CT001	30UJA11003	H	H	SI S	C/NM	Y (4) Y (5)
Dead Leg Pressurization Valve	30JNG15AA001	30UJA11003	H	H	ES SI S	C/NM	Y (4) Y (5)
RCS Suction Line Pressurization Valve	30JNG15AA002	30UJA11003	H	H	ES SI S	C/NM	Y (4) Y (5)
Dead Leg Pressure Bypass Iso. Valve	30JNG15AA003	30UJA11003	H	H	ES SI S	C/NM	Y (4) Y (5)
Dead Leg Pressure Control Iso. Valve	30JNG15AA004	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Suction Isolation Valve	30JNG20AA001	32UJH01008	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Rad. Miniflow Line Check Valve	30JNG20AA003	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Tan. Miniflow Line Check Valve	30JNG20AA004	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI 2nd RCPB Isolation Valve	30JNG20AA006	30UJA11004	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Inside Containment Isolation Valve	30JNG20AA009	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 44 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)
					Function (Note 3)				
LHSI Cross-Connect Isolation Valve	30JNG20AA010	30UJA11014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
LHSI Cross-Connect Check Valve	30JNG20AA011	30UJA07014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
LHSI Outside Cont. Main Iso. Valve	30JNG20AA060	32UJH05002	M	H	ES	SI	S	C/NM	Y (3) Y (5)
LHSI Outside Cont. Bypass Iso. Valve	30JNG20AA061	32UJH05002	M	H	ES	SI	S	C/NM	Y (3) Y (5)
LHSI Heat Exchanger Main Control Valve	30JNG20AA102	32UJH05002	M	H	ES	SI	S	C/NM	Y (3) Y (5)
LHSI Heat Exchanger Pre-Valve	30JNG20AA104	32UJH05002	M	H	ES	SI	S	C/NM	Y (3) Y (5)
LHSI Discharge Line Safety Valve	30JNG20AA192	30UJA11026	H	H	ES	SI	S	C/NM	Y (4) Y (5)
LHSI Sampling Line Isolation Valve	30JNG20AA601	32UJH05002	M	H		SI	S	C/NM	Y (3) Y (5)
LHSI Sampling Line Isolation Valve	30JNG20AA602	32UJH05006	M	H		SI	S	C/NM	Y (3) Y (5)
LHSI Sampling Line Isolation Valve	30JNG20AA603	32UJH05006	M	H		SI	S	C/NM	Y (3) Y (5)
LHSI Heat Exchanger	30JNG20AC001	32UJH05006	M	H	ES	SI	S	C/NM	Y (3) Y (5)
LHSI Pump	30JNG20AP001	32UJH01009	M	H	ES	SI	S	C/NM	Y (3) Y (5)
RHR Flowrate Sensor (WR)	30JNG20CF001A	32UJH01003	M	H	ES PAM	SI	S	C/NM	Y (3) Y (5)
RHR Flowrate Sensor (NR)	30JNG20CF001B	32UJH01003	M	H	ES PAM	SI	S	C/NM	Y (3) Y (5)
LHSI Disch. Line Safety Val. Pos. Sensor	30JNG20CG192B	30UJA11026	H	H	ES PAM	SI	S	C/NM	Y (4) Y (5)
LHSI HX Main Control Valve Pos. Sensor	30JNG20CG802	32UJH05002	M	H	ES PAM	SI	S	C/NM	Y (3) Y (5)
LHSI Pump Downstream Press. Sensor	30JNG20CP003	32UJH05005	M	H	ES PAM	SI	S	C/NM	Y (3) Y (5)
LHSI Pump Upstream Press. Ind. (Local)	30JNG20CP501	32UJH01009	M	H		SI	S	C/NM	Y (3) Y (5)
LHSI Pump Downstream Press. Ind. (Local)	30JNG20CP502	32UJH01010	M	H		SI	S	C/NM	Y (3) Y (5)
LHSI Pump Downstream Temp. Sensor	30JNG20CT001	32UJH05002	M	H	ES PAM	SI	S	C/NM	Y (3) Y (5)
RHR Temperature Sensor	30JNG20CT002	32UJH01007	M	H	ES PAM	SI	S	C/NM	Y (3) Y (5)
LHSI Hot Leg Injection Isolation Valve	30JNG22AA001	32UJH05002	M	H	ES	SI	S	C/NM	Y (3) Y (5)
LHSI Hot Leg Injection Check Valve	30JNG22AA002	32UJH05002	M	H	ES	SI	S	C/NM	Y (3) Y (5)
Hot Leg Injection Flowrate Sensor	30JNG22CF001	32UJH05010	M	H	ES PAM	SI	S	C/NM	Y (3) Y (5)
Accumulator Filling Line Isolation Valve	30JNG23AA002	30UJA07014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
Accumulator Filling Line Check Valve	30JNG23AA003	30UJA07014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
SIS 1st RCPB Isolation Valve	30JNG23AA005	30UJA11005	H	H	ES	SI	S	C/NM	Y (4) Y (5)
Accum.-Nitrogen Distribution Iso. Valve	30JNG23AA006	30UJA23014	H	H		SI	S	C/NM	Y (4) Y (5)
Accum.-Nitrogen Distribution Check Valve	30JNG23AA007	30UJA23014	H	H		SI	S	C/NM	Y (4) Y (5)
Accumulator Isolation Valve	30JNG23AA008	30UJA11026	H	H	ES	SI	S	C/NM	Y (4) Y (5)
Accumulator Check Valve	30JNG23AA009	30UJA11026	H	H	ES	SI	S	C/NM	Y (4) Y (5)
Accum. Depressurization Control Valve	30JNG23AA101	30UJA23014	H	H		SI	S	C/NM	Y (4) Y (5)
Accumulator Safety Valve	30JNG23AA197	30UJA23014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
Accum. Depressurization Isolation Valve	30JNG23AA502	30UJA23014	H	H		SI	S	C/NM	Y (4) Y (5)
Accum. Sampling Line Isolation Valve	30JNG23AA602	30UJA15014	H	H		SI	S	C/NM	Y (4) Y (5)
Accumulator	30JNG23BB001	30UJA15014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
Accumulator Level Sensor 1 (NR)	30JNG23CL001	30UJA18014	H	H	ES PAM	SI	S	C/NM	Y (4) Y (5)
Accumulator Level Sensor 2 (NR)	30JNG23CL002	30UJA18014	H	H	ES PAM	SI	S	C/NM	Y (4) Y (5)
Accumulator Level Sensor (WR)	30JNG23CL003	30UJA15014	H	H	ES PAM	SI	S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 45 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Accumulator Level Sensor (Local)	30JNG23CL504	30UJA15014	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor 1 (NR)	30JNG23CP001	30UJA23014	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor 2 (NR)	30JNG23CP002	30UJA23014	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Cold Leg Injection Pressure Sensor	30JNG23CP003	30UJA07014	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor (WR)	30JNG23CP004	30UJA23014	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor (Local)	30JNG23CP503	30UJA23014	H	H	SI S	C/NM	Y (4) Y (5)
Cold Leg Injection Temperature Sensor	30JNG23CT001	30UJA11004	H	H	SI S	C/NM	Y (4) Y (5)
Dead Leg Pressurization Valve	30JNG25AA001	30UJA11004	H	H	ES SI S	C/NM	Y (4) Y (5)
RCS Suction Line Pressurization Valve	30JNG25AA002	30UJA11004	H	H	ES SI S	C/NM	Y (4) Y (5)
Dead Leg Pressure Bypass Iso. Valve	30JNG25AA003	30UJA11004	H	H	ES SI S	C/NM	Y (4) Y (5)
Dead Leg Pressure Control Iso. Valve	30JNG25AA004	30UJA07014	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Suction Isolation Valve	30JNG30AA001	33UJH01008	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Rad. Miniflow Line Check Valve	30JNG30AA003	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Tan. Miniflow Line Check Valve	30JNG30AA004	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI 2nd RCPB Isolation Valve	30JNG30AA006	30UJA11027	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Inside Containment Isolation Valve	30JNG30AA009	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Cross-Connect Isolation Valve	30JNG30AA010	30UJA11015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Cross-Connect Check Valve	30JNG30AA011	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Outside Cont. Main Iso. Valve	30JNG30AA060	33UJH05002	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Outside Cont. Bypass Iso. Valve	30JNG30AA061	33UJH05002	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Heat Exchanger Main Control Valve	30JNG30AA102	33UJH05002	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Heat Exchanger Pre-Valve	30JNG30AA104	33UJH05002	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Discharge Line Safety Valve	30JNG30AA192	30UJA11027	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Sampling Line Isolation Valve	30JNG30AA601	33UJH05002	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Sampling Line Isolation Valve	30JNG30AA602	33UJH05006	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Sampling Line Isolation Valve	30JNG30AA603	33UJH05006	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Heat Exchanger	30JNG30AC001	33UJH05006	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Pump	30JNG30AP001	33UJH01009	M	H	ES SI S	C/NM	Y (3) Y (5)
RHR Flowrate Sensor (WR)	30JNG30CF001A	33UJH01003	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
RHR Flowrate Sensor (NR)	30JNG30CF001B	33UJH01003	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
LHSI Disch. Line Safety Val. Pos. Sensor	30JNG30CG192B	30UJA11027	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
LHSI HX Main Control Valve Pos. Sensor	30JNG30CG802	33UJH05002	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
LHSI Pump Downstream Press. Sensor	30JNG30CP003	33UJH05005	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
LHSI Pump Upstream Press. Ind. (Local)	30JNG30CP501	33UJH01009	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Pump Downstream Press. Ind. (Local)	30JNG30CP502	33UJH01009	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Pump Downstream Temp. Sensor	30JNG30CT001	33UJH05002	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
RHR Temperature Sensor	30JNG30CT002	33UJH01007	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
LHSI Hot Leg Injection Isolation Valve	30JNG32AA001	33UJH05002	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Hot Leg Injection Check Valve	30JNG32AA002	33UJH05002	M	H	ES SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 46 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Hot Leg Injection Flowrate Sensor	30JNG32CF001	33UJH05010	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
Accumulator Filling Line Isolation Valve	30JNG33AA002	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
Accumulator Filling Line Check Valve	30JNG33AA003	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
SIS 1st RCPB Isolation Valve	30JNG33AA005	30UJA11006	H	H	ES SI S	C/NM	Y (4) Y (5)
Accum.-Nitrogen Distribution Iso. Valve	30JNG33AA006	30UJA23015	H	H	SI S	C/NM	Y (4) Y (5)
Accum.-Nitrogen Distribution Check Valve	30JNG33AA007	30UJA23015	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator Isolation Valve	30JNG33AA008	30UJA11027	H	H	ES SI S	C/NM	Y (4) Y (5)
Accumulator Check Valve	30JNG33AA009	30UJA11027	H	H	ES SI S	C/NM	Y (4) Y (5)
Accum. Depressurization Control Valve	30JNG33AA101	30UJA23015	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator Safety Valve	30JNG33AA197	30UJA23015	H	H	ES SI S	C/NM	Y (4) Y (5)
Accum. Depressurization Isolation Valve	30JNG33AA502	30UJA23015	H	H	SI S	C/NM	Y (4) Y (5)
Accum. Sampling Line Isolation Valve	30JNG33AA602	30UJA15015	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator	30JNG33BB001	30UJA15015	H	H	ES SI S	C/NM	Y (4) Y (5)
Accumulator Level Sensor 1 (NR)	30JNG33CL001	30UJA18015	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Level Sensor 2 (NR)	30JNG33CL002	30UJA18015	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Level Sensor (WR)	30JNG33CL003	30UJA15015	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Level Sensor (Local)	30JNG33CL504	30UJA15015	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor 1 (NR)	30JNG33CP001	30UJA23015	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor 2 (NR)	30JNG33CP002	30UJA23015	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Cold Leg Injection Pressure Sensor	30JNG33CP003	30UJA07015	H	H	SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor (WR)	30JNG33CP004	30UJA23015	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor (Local)	30JNG33CP503	30UJA23015	H	H	SI S	C/NM	Y (4) Y (5)
Cold Leg Injection Temperature Sensor	30JNG33CT001	30UJA11007	H	H	SI S	C/NM	Y (4) Y (5)
Dead Leg Pressurization Valve	30JNG35AA001	30UJA11007	H	H	ES SI S	C/NM	Y (4) Y (5)
RCS Suction Line Pressurization Valve	30JNG35AA002	30UJA11007	H	H	ES SI S	C/NM	Y (4) Y (5)
Dead Leg Pressure Bypass Iso. Valve	30JNG35AA003	30UJA11007	H	H	ES SI S	C/NM	Y (4) Y (5)
Dead Leg Pressure Control Iso. Valve	30JNG35AA004	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Suction Isolation Valve	30JNG40AA001	34UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Rad. Miniflow Line Check Valve	30JNG40AA003	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Tan. Miniflow Line Check Valve	30JNG40AA004	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI 2nd RCPB Isolation Valve	30JNG40AA006	30UJA11028	H	H	ES SI S	C/NM	Y (4) Y (5)
SAHRS-IRWST 1st Isolation Valve	30JNG40AA007	34UJH01006	M	H	ES SI S	C/NM	Y (3) Y (5)
SAHRS-IRWST 2nd Isolation Valve	30JNG40AA008	34UJH01006	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Inside Containment Isolation Valve	30JNG40AA009	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Cross-Connect Isolation Valve	30JNG40AA010	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Cross-Connect Check Valve	30JNG40AA011	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Cross-Connect Bypass Check Valve	30JNG40AA012	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
LHSI Outside Cont. Main Iso. Valve	30JNG40AA060	34UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Outside Cont. Bypass Iso. Valve	30JNG40AA061	34UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 47 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
LHSI Heat Exchanger Main Control Valve	30JNG40AA102	34UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
LHSI Heat Exchanger Pre-Valve	30JNG40AA104	34UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
LHSI Discharge Line Safety Valve	30JNG40AA192	30UJA11028	H	H	ES	SI	S	C/NM		Y (4) Y (5)
LHSI Sampling Line Isolation Valve	30JNG40AA601	34UJH05004	M	H		SI	S	C/NM	Y (3)	Y (5)
LHSI Sampling Line Isolation Valve	30JNG40AA602	34UJH05005	M	H		SI	S	C/NM	Y (3)	Y (5)
LHSI Sampling Line Isolation Valve	30JNG40AA603	34UJH05005	M	H		SI	S	C/NM	Y (3)	Y (5)
LHSI Heat Exchanger	30JNG40AC001	34UJH05005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
LHSI Pump	30JNG40AP001	34UJH01006	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RHR Flowrate Sensor (WR)	30JNG40CF001A	34UJH01001	M	H	ES PAM	SI	S	C/NM	Y (3)	Y (5)
RHR Flowrate Sensor (NR)	30JNG40CF001B	34UJH01001	M	H	ES PAM	SI	S	C/NM	Y (3)	Y (5)
LHSI Disch. Line Safety Val. Pos. Sensor	30JNG40CG192B	30UJA11028	H	H	ES PAM	SI	S	C/NM		Y (4) Y (5)
LHSI HX Main Control Valve Pos. Sensor	30JNG40CG802	34UJH05004	M	H	ES PAM	SI	S	C/NM	Y (3)	Y (5)
LHSI Pump Downstream Press. Sensor	30JNG40CP003	34UJH05006	M	H	ES PAM	SI	S	C/NM	Y (3)	Y (5)
LHSI Pump Upstream Press. Ind. (Local)	30JNG40CP501	34UJH01006	M	H		SI	S	C/NM	Y (3)	Y (5)
LHSI Pump Downstream Press. Ind. (Local)	30JNG40CP502	34UJH01006	M	H		SI	S	C/NM	Y (3)	Y (5)
LHSI Pump Downstream Temp. Sensor	30JNG40CT001	34UJH05004	M	H	ES PAM	SI	S	C/NM	Y (3)	Y (5)
RHR Temperature Sensor	30JNG40CT002	34UJH01002	M	H	ES PAM	SI	S	C/NM	Y (3)	Y (5)
LHSI Hot Leg Injection Isolation Valve	30JNG42AA001	34UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
LHSI Hot Leg Injection Check Valve	30JNG42AA002	34UJH05004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
Hot Leg Injection Flowrate Sensor	30JNG42CF001	34UJH01001	M	H	ES PAM	SI	S	C/NM	Y (3)	Y (5)
Accumulator Filling Line Isolation Valve	30JNG43AA002	30UJA07015	H	H	ES	SI	S	C/NM		Y (4) Y (5)
Accumulator Filling Line Check Valve	30JNG43AA003	30UJA07015	H	H	ES	SI	S	C/NM		Y (4) Y (5)
SIS 1st RCPB Isolation Valve	30JNG43AA005	30UJA11009	H	H	ES	SI	S	C/NM		Y (4) Y (5)
Accum.-Nitrogen Distribution Iso. Valve	30JNG43AA006	30UJA23016	H	H		SI	S	C/NM		Y (4) Y (5)
Accum.-Nitrogen Distribution Check Valve	30JNG43AA007	30UJA23016	H	H		SI	S	C/NM		Y (4) Y (5)
Accumulator Isolation Valve	30JNG43AA008	30UJA11028	H	H	ES	SI	S	C/NM		Y (4) Y (5)
Accumulator Check Valve	30JNG43AA009	30UJA11028	H	H	ES	SI	S	C/NM		Y (4) Y (5)
Accum. Depressurization Control Valve	30JNG43AA101	30UJA23016	H	H		SI	S	C/NM		Y (4) Y (5)
Accumulator Safety Valve	30JNG43AA197	30UJA23016	H	H	ES	SI	S	C/NM		Y (4) Y (5)
Accum. Depressurization Isolation Valve	30JNG43AA502	30UJA23016	H	H		SI	S	C/NM		Y (4) Y (5)
Accum. Sampling Line Isolation Valve	30JNG43AA602	30UJA15016	H	H		SI	S	C/NM		Y (4) Y (5)
Accumulator	30JNG43BB001	30UJA15016	H	H	ES	SI	S	C/NM		Y (4) Y (5)
Accumulator Level Sensor 1 (NR)	30JNG43CL001	30UJA18016	H	H	ES PAM	SI	S	C/NM		Y (4) Y (5)
Accumulator Level Sensor 2 (NR)	30JNG43CL002	30UJA18016	H	H	ES PAM	SI	S	C/NM		Y (4) Y (5)
Accumulator Level Sensor (WR)	30JNG43CL003	30UJA15016	H	H	ES PAM	SI	S	C/NM		Y (4) Y (5)
Accumulator Level Sensor (Local)	30JNG43CL504	30UJA15016	H	H		SI	S	C/NM		Y (4) Y (5)
Accumulator Pressure Sensor 1 (NR)	30JNG43CP001	30UJA23016	H	H	ES PAM	SI	S	C/NM		Y (4) Y (5)
Accumulator Pressure Sensor 2 (NR)	30JNG43CP002	30UJA23016	H	H	ES PAM	SI	S	C/NM		Y (4) Y (5)
Cold Leg Injection Pressure Sensor	30JNG43CP003	30UJA07015	H	H		SI	S	C/NM		Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 48 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Accumulator Pressure Sensor (WR)	30JNG43CP004	30UJA23016	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
Accumulator Pressure Sensor (Local)	30JNG43CP503	30UJA23016	H	H	SI S	C/NM	Y (4) Y (5)
Cold Leg Injection Temperature Sensor	30JNG43CT001	30UJA11008	H	H	SI S	C/NM	Y (4) Y (5)
Dead Leg Pressurization Valve	30JNG45AA001	30UJA11008	H	H	ES SI S	C/NM	Y (4) Y (5)
RCS Suction Line Pressurization Valve	30JNG45AA002	30UJA11008	H	H	ES SI S	C/NM	Y (4) Y (5)
Dead Leg Pressure Bypass Iso. Valve	30JNG45AA003	30UJA11008	H	H	ES SI S	C/NM	Y (4) Y (5)
Dead Leg Pressure Control Iso. Valve	30JNG45AA004	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
<b>Component Cooling Water System (CCWS)</b>							
CK-V KAA10 AC001 OUTLET	30KAA10AA004	31UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR KAA10 AC001	30KAA10AA005	31UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
QCL-V KAA10 TO COM1B	30KAA10AA006	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR KAA10 AC002	30KAA10AA007	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR KAA10 AC002	30KAA10AA008	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
QCL-V COM1B TO KAA10	30KAA10AA010	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V SUR TANK TO PP10	30KAA10AA011	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR KAA10 AT001	30KAA10AA015	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR KAA10 AP001	30KAA10AA018	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V MIN FLOW KAA10 AP001	30KAA10AA022	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
DWDS SUP ISOL KAA10	30KAA10AA027	31UJH01024	M	H	ES SI S	C/NM	Y (3) Y (5)
V HYDRAZINE SUPPLY KAA10	30KAA10AA028	31UJH01024	M	H	ES SI S	C/NM	Y (3) Y (5)
V RADN MON TO KAA10	30KAA10AA029	31UJH05026	M	H	ES SI S	C/NM	Y (3) Y (5)
V KAA10 TO RADN MON	30KAA10AA030	31UJH05026	M	H	ES SI S	C/NM	Y (3) Y (5)
QCL-V COM1A TO KAA10	30KAA10AA032	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
QCL-V KAA10 TO COM1A	30KAA10AA033	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
Tr 1 SUR Tk Lvl 2 Upper Isol	30KAA10AA034	31UJK31027	M	M	ES SI S	C/NM	Y (5)
Tr 1 SUR Tk Lvl 1 Upper Isol	30KAA10AA035	31UJK31026	M	M	ES SI S	C/NM	Y (5)
Tr 1 SUR Tk Lvl 1 Lwr Isol	30KAA10AA036	31UJK31026	M	M	ES SI S	C/NM	Y (5)
Tr 1 SUR Tk Lvl 2 Lwr Isol	30KAA10AA037	31UJK31027	M	M	ES SI S	C/NM	Y (5)
BYP-V KAA10AC001	30KAA10AA112	31UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
FAJ-V MFL KAA PP1	30KAA10AA123	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
FAJ-V KAA10 AC002 LN	30KAA10AA140	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
RL-V CCW PP1 MTR CLR	30KAA10AA191	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA10 CP274	30KAA10AA301	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA10 CP274	30KAA10AA302	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA10 CP578	30KAA10AA303	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA10 CF570	30KAA10AA304	31UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 49 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V F KAA10 CF570	30KAA10AA305	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA10 CF053	30KAA10AA306	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA10 CP053	30KAA10AA307	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA10 CP083	30KAA10AA308	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA10 CP579	30KAA10AA309	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA10 CP051	30KAA10AA310	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA10 CP051	30KAA10AA311	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA10 CP297	30KAA10AA312	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA10 CP587	30KAA10AA313	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
I-V KAA10 CP591	30KAA10AA314	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V L KAA10 CL099	30KAA10AA315	31UJK31027	M	M	ES	SI	S	C/NM		Y (5)
V L KAA10 CL099	30KAA10AA316	31UJK31027	M	M	ES	SI	S	C/NM		Y (5)
V L KAA10 CL094	30KAA10AA317	31UJK31026	M	M	ES	SI	S	C/NM		Y (5)
V L KAA10 CL094	30KAA10AA318	31UJK31026	M	M	ES	SI	S	C/NM		Y (5)
I-V UPR KAA10 CF240	30KAA10AA319	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
I-V DWR KAA10 CF240	30KAA10AA320	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA10 CF057	30KAA10AA321	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA10 CF057	30KAA10AA322	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUR TK10	30KAA10AA401	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V PP10 SUC	30KAA10AA402	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V HX10 SHL	30KAA10AA403	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V RTNR PP10 MTR CL	30KAA10AA404	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUCT STRN TRN10	30KAA10AA405	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V MIN FLOW PP10	30KAA10AA406	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUR TK LVL 2 COLMN TR 1	30KAA10AA407	31UJK31027	M	M	ES	SI	S	C/NM		Y (5)
D-V SUR TK LVL 1 COLMN TR 1	30KAA10AA408	31UJK31026	M	M	ES	SI	S	C/NM		Y (5)
D-V HX10 SHL	30KAA10AA409	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DNSTR HX10	30KAA10AA410	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V PP10 DISCH	30KAA10AA411	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUP PP10 MTR CL	30KAA10AA413	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V HX10 SHL	30KAA10AA501	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR HX10	30KAA10AA502	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V HX10 SHL	30KAA10AA503	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V UPSTR PP10	30KAA10AA504	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V SUR TK LVL 1 COLMN TR 1	30KAA10AA505	31UJK31026	M	M	ES	SI	S	C/NM		Y (5)
V-V SUR TK LVL 2 COLMN TR 1	30KAA10AA506	31UJK31027	M	M	ES	SI	S	C/NM		Y (5)
HX CCWS TR 1	30KAA10AC001	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
HX CCWS PP MTR CLR TR 1	30KAA10AC002	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
MTR HTR CCWS PP TR 1	30KAA10AH500	31UJH01026	M	H		SII	NS-AQ			Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 50 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
PP CCWS TR 1	30KAA10AP001	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
STRNR CCWS PP SUCTION TR 1	30KAA10AT001	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
SUR TK CCWS TR 1	30KAA10BB001	31UJK31025	M	M	ES	SI	S	C/NM		Y (5)
TK TR 1 SUR TK LVL 2 COLUMN	30KAA10BB301	31UJK31027	M	M	ES	SI	S	C/NM		Y (5)
TK TR 1 SUR TK LVL 1 COLUMN	30KAA10BB302	31UJK31026	M	M	ES	SI	S	C/NM		Y (5)
CTR-V DW TRN10	30KAA10CF057	31UJH01024	M	H		SI	S	C/NM	Y (3)	Y (5)
F TRN10 HX OUT TEST MEAS	30KAA10CF255	31UJH10026	M	H		SI	S	C/NM	Y (3)	Y (5)
F RETN SUR TK10 MEAS	30KAA10CF570	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
L SUR TK10 MEAS	30KAA10CL598	31UJK31027	M	M		SI	S	C/NM		Y (5)
DP HX10 MEAS	30KAA10CP051	31UJH05026	M	H		SI	S	C/NM	Y (3)	Y (5)
DP SUCT STRN10	30KAA10CP274	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
P DNSTR HX10	30KAA10CP297	31UJH10026	M	H		SI	S	C/NM	Y (3)	Y (5)
P UPSTR PP10	30KAA10CP578	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNSTR PP10	30KAA10CP579	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
T CW USERS TRN10	30KAA10CP587	31UJH10026	M	H		SI	S	C/NM	Y (3)	Y (5)
P M CL PP10	30KAA10CP591	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
T OUTL HX10 MEAS	30KAA10CT090	31UJH10026	M	H		SI	S	C/NM	Y (3)	Y (5)
T INL HX10 MEAS	30KAA10CT092	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
T RETN CCWS PP CL1	30KAA10CT288	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
ISOL-V JNG10 AC001	30KAA12AA005	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR CL MHSI PP1	30KAA12AA006	31UJH01001	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR CL MHSI PP1	30KAA12AA009	31UJH01001	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR JNG10 AC001	30KAA12AA011	31UJH05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
CK-V DNSTR LHSI HX 1	30KAA12AA012	31UJH05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V CL MHSI PP1	30KAA12AA115	31UJH01001	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V MHSI PP1 MTR CLR	30KAA12AA191	31UJH01002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V LHSI HX 1	30KAA12AA194	31UJH05005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA12 CF066	30KAA12AA301	31UJH01001	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA12 CF066	30KAA12AA302	31UJH01001	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA12 CF062	30KAA12AA305	31UJH05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA12 CF062	30KAA12AA306	31UJH05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V MHSI PP10	30KAA12AA402	31UJH01001	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V MHSI PP10	30KAA12AA404	31UJH01001	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V LHSI HX10	30KAA12AA405	31UJH05005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V LHSI HX10	30KAA12AA501	31UJH05005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
BP RETN LHSI HX1	30KAA12BP005	31UJH05005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
F TEST MHSI PP1	30KAA12CF264	31UJH01002	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR MHSI PP1	30KAA12CT258	31UJH01001	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR LHSI HX1	30KAA12CT555	31UJH05005	M	H		SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 51 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
CK-V KAA20 AC001 OUTLET	30KAA20AA004	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KAA20AC001	30KAA20AA005	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
QCL-V KAA20 TO COM1B	30KAA20AA006	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KAA20 AC002	30KAA20AA007	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR KAA20 AC002	30KAA20AA008	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
QCL-V COM1B TO KAA20	30KAA20AA010	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V SUR TANK TO PP20	30KAA20AA011	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
I-V SUP COM1B	30KAA20AA013	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
I-V RETN COM1B	30KAA20AA014	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR KAA20 AT001	30KAA20AA015	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KAA20 AP001	30KAA20AA018	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V MIN FLOW KAA20 AP001	30KAA20AA022	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
DWDS SUP ISOL KAA20	30KAA20AA027	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V HYDRAZINE SUPPLY KAA20	30KAA20AA028	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V RADN MON TO KAA20	30KAA20AA029	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V KAA20 TO RADN MON	30KAA20AA030	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
QCL-V COM1A TO KAA20	30KAA20AA032	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
QCL-V KAA20 TO COM1A	30KAA20AA033	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
Tr 2 SUR Tk Lvl 2 Upper Isol	30KAA20AA034	32UJK31037	M	M	ES	SI	S	C/NM		Y (5)
Tr 2 SUR Tk Lvl 1 Upper Isol	30KAA20AA035	32UJK31036	M	M	ES	SI	S	C/NM		Y (5)
Tr 2 SUR Tk Lvl 1 Lwr Isol	30KAA20AA036	32UJK31036	M	M	ES	SI	S	C/NM		Y (5)
Tr 2 SUR Tk Lvl 2 Lwr Isol	30KAA20AA037	32UJK31037	M	M	ES	SI	S	C/NM		Y (5)
BYP-V KAA20AC001	30KAA20AA112	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V MFL KAA PP2	30KAA20AA123	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KAA20 AC002 LN	30KAA20AA140	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V CCW PP2 MTR CLR	30KAA20AA191	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA20 CP274	30KAA20AA301	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA20 CP274	30KAA20AA302	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA20 CP578	30KAA20AA303	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA20 CF570	30KAA20AA304	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA20 CF570	30KAA20AA305	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA20 CF053	30KAA20AA306	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA20 CP053	30KAA20AA307	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA20 CP083	30KAA20AA308	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA20 CP579	30KAA20AA309	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA20 CP051	30KAA20AA310	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA20 CP051	30KAA20AA311	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA20 CP297	30KAA20AA312	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA20 CP587	30KAA20AA313	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 52 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V P KAA20 CP591	30KAA20AA314	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V L KAA20 CL099	30KAA20AA315	32UJK31027	M	M	ES	SI	S	C/NM		Y (5)
V L KAA20 CL099	30KAA20AA316	32UJK31027	M	M	ES	SI	S	C/NM		Y (5)
V L KAA20 CL094	30KAA20AA317	32UJK31036	M	M	ES	SI	S	C/NM		Y (5)
V L KAA20 CL094	30KAA20AA318	32UJK31036	M	M	ES	SI	S	C/NM		Y (5)
V F KAA20 CF057	30KAA20AA321	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA20 CF057	30KAA20AA322	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUR TK20	30KAA20AA401	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V PP20 SUC	30KAA20AA402	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V HX20 SHL	30KAA20AA403	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V RTNR PP20 MTR CL	30KAA20AA404	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUCT STRN TRN20	30KAA20AA405	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V MIN FLOW PP20	30KAA20AA406	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUR TK LVL 2 COLMN TR 2	30KAA20AA407	32UJK31037	M	M	ES	SI	S	C/NM		Y (5)
D-V SUR TK LVL 1 COLMN TR 2	30KAA20AA408	32UJK31036	M	M	ES	SI	S	C/NM		Y (5)
D-V HX20 SHL	30KAA20AA409	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DNSTR HX20	30KAA20AA410	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V PP20 DISCH	30KAA20AA411	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUP PP20 MTR CL	30KAA20AA413	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V COM1B SUP	30KAA20AA414	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V COM1B RETN	30KAA20AA417	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V HX20 SHL	30KAA20AA501	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V HX20 SHL	30KAA20AA503	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V UPSTR PP20	30KAA20AA504	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V SUR TK LVL 1 COLMN TR 2	30KAA20AA505	32UJK31036	M	M	ES	SI	S	C/NM		Y (5)
V-V SUR TK LVL 2 COLMN TR 2	30KAA20AA506	32UJK31037	M	M	ES	SI	S	C/NM		Y (5)
HX CCWS TR 2	30KAA20AC001	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
HX CCWS PP MTR CLR TR 2	30KAA20AC002	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
MTR HTR CCWS PP TR 3	30KAA20AH500	32UJH01020	M	H		SI	NS-AQ			Y (5)
PP CCWS TR 2	30KAA20AP001	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
STRNR CCWS PP SUCTION TR 2	30KAA20AT001	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
SUR TK CCWS TR 2	30KAA20BB001	32UJK31039	M	M	ES	SI	S	C/NM		Y (5)
TK TR 2 SUR TK LVL 2 COLUMN	30KAA20BB301	32UJK31037	M	M	ES	SI	S	C/NM		Y (5)
TK TR 2 SUR TK LVL 1 COLUMN	30KAA20BB302	32UJK31036	M	M	ES	SI	S	C/NM		Y (5)
CTR-V DW TRN20	30KAA20CF057	32UJH01020	M	H		SI	S	C/NM	Y (3)	Y (5)
F TRN20 HX OUT TEST MEAS	30KAA20CF255	32UJH05006	M	H		SI	S	C/NM	Y (3)	Y (5)
F RETN SUR TK20 MEAS	30KAA20CF570	32UJH01020	M	H		SI	S	C/NM	Y (3)	Y (5)
L SUR TK20 MEAS	30KAA20CL598	32UJK31037	M	M		SI	S	C/NM		Y (5)
DP HX20 MEAS	30KAA20CP051	32UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 53 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
DP SUCT STRN20	30KAA20CP274	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
P DNSTR HX20	30KAA20CP297	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
P UPSTR PP20	30KAA20CP578	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
P TEST DNSTR PP20	30KAA20CP579	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
T CW USERS TRN20	30KAA20CP587	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
P M CL PP20	30KAA20CP591	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
T OUTL HX20 MEAS	30KAA20CT090	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
T INL HX20 MEAS	30KAA20CT092	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
T RETN CCWS PP CL2	30KAA20CT288	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
V UPSTR QKA20 AC002	30KAA22AA003	32UJH10002	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR QKA20 AC002	30KAA22AA004	32UJH10002	M	H	ES SI S	C/NM	Y (3) Y (5)
ISOL-V JNG20 AC001	30KAA22AA005	32UJH10002	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR CL MHSI PP2	30KAA22AA006	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR CL LHSI PP2	30KAA22AA007	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR CL MHSI PP2	30KAA22AA009	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR CL LHSI PP2	30KAA22AA010	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR JNG20 AC001	30KAA22AA011	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
CK-V DNSTR LHSI HX 2	30KAA22AA012	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
ISOL-V SL CL LHSI PP2	30KAA22AA013	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
CK-V DNSTR LHSI PP 2	30KAA22AA014	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
3W-C-V SAFE CHIL2	30KAA22AA101	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
FAJ-V CL MHSI PP2	30KAA22AA115	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
FAJ-V CL LHSI PP2 M	30KAA22AA116	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
FAJ-V SL CL LHSI PP2	30KAA22AA127	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
RL-V LHSI HX 2	30KAA22AA191	32UJH05006	M	H	ES SI S	C/NM	Y (3) Y (5)
RL-V LHSIS PP2 SEAL CLR	30KAA22AA192	32UJH01006	M	H	ES SI S	C/NM	Y (3) Y (5)
RL-V LHSIS PP2 MTR CLR	30KAA22AA193	32UJH01006	M	H	ES SI S	C/NM	Y (3) Y (5)
RL-V MHSI PP2 MTR CLR	30KAA22AA194	32UJH01007	M	H	ES SI S	C/NM	Y (3) Y (5)
RL-V SCWS TR2	30KAA22AA195	32UJH10020	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA22CF066	30KAA22AA301	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA22CF066	30KAA22AA302	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA22CF080	30KAA22AA303	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA22CF080	30KAA22AA304	32UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA22CF062	30KAA22AA305	32UJH01020	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA22CF062	30KAA22AA306	32UJH01020	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA22CF068	30KAA22AA307	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA22CF068	30KAA22AA308	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA22CP503	30KAA22AA309	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA22CP501	30KAA22AA310	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 54 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V P KAA22CP502	30KAA22AA313	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V MHSI HX20	30KAA22AA401	32UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V MHSI HX20	30KAA22AA402	32UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V JNG PP2 M CL	30KAA22AA403	32UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V BYP QKA20	30KAA22AA404	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V LHSI HX20	30KAA22AA405	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V LHSI HX20	30KAA22AA501	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V LHSI HX20	30KAA22AA502	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
BP RETN LHSI HX2	30KAA22BP005	32UJH05006	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
BP RETN MHSI PP2	30KAA22BP006	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
F TEST MHSI PP2	30KAA22CF264	32UJH01005	M	H		SI	S	C/NM	Y (3)	Y (5)
F LHSI TEST PP2	30KAA22CF282	32UJH01005	M	H		SI	S	C/NM	Y (3)	Y (5)
P DNSTR SAFE CHIL2	30KAA22CP501	32UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)
P DNSTR *22 AA101*	30KAA22CP502	32UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)
P UPSTR SAFE CHIL2	30KAA22CP503	32UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR MHSI PP2	30KAA22CT258	32UJH01005	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR LHSI PP2	30KAA22CT284	32UJH01005	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR SAFE CHIL2	30KAA22CT553	32UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR LHSI HX2	30KAA22CT555	32UJH05006	M	H		SI	S	C/NM	Y (3)	Y (5)
CK-V KAA30 AC001 OUTLET	30KAA30AA004	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KAA30AC001	30KAA30AA005	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
QCL-V KAA30 TO COM2B	30KAA30AA006	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KAA30 AC002	30KAA30AA007	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR KAA30 AC002	30KAA30AA008	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
QCL-V COM2B TO KAA30	30KAA30AA010	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V SUR TANK TO PP30	30KAA30AA011	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
I-V SUP COM1B	30KAA30AA013	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
I-V RETN COM1B	30KAA30AA014	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR KAA30 AT001	30KAA30AA015	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KAA30 AP001	30KAA30AA018	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V MIN FLOW KAA30 AP001	30KAA30AA022	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
DWDS SUP ISOL KAA30	30KAA30AA027	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V HYDRAZINE SUPPLY KAA30	30KAA30AA028	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V RADN MON TO KAA30	30KAA30AA029	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V KAA30 TO RADN MON	30KAA30AA030	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
QCL-V COM2A TO KAA30	30KAA30AA032	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
QCL-V KAA30 TO COM2A	30KAA30AA033	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
Tr 3 SUR Tk Lvl 2 Upper Isol	30KAA30AA034	33UJK31037	M	M	ES	SI	S	C/NM		Y (5)
Tr 3 SUR Tk Lvl 1 Upper Isol	30KAA30AA035	33UJK31036	M	M	ES	SI	S	C/NM		Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 55 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
Tr 3 SUR Tk Lvl 1 Lwr Isol	30KAA30AA036	33UJK31036	M	M	ES	SI	S	C/NM		Y (5)
Tr 3 SUR Tk Lvl 2 Lwr Isol	30KAA30AA037	33UJK31037	M	M	ES	SI	S	C/NM		Y (5)
BYP-V KAA30AC001	30KAA30AA112	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V MFL KAA PP3	30KAA30AA123	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KAA30 AC002 LN	30KAA30AA140	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V CCW PP3 MTR CLR	30KAA30AA191	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP274	30KAA30AA301	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP274	30KAA30AA302	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP578	30KAA30AA303	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA30 CF570	30KAA30AA304	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA30 CF570	30KAA30AA305	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA30 CF053	30KAA30AA306	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP053	30KAA30AA307	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP083	30KAA30AA308	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP579	30KAA30AA309	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP051	30KAA30AA310	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP051	30KAA30AA311	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP297	30KAA30AA312	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP587	30KAA30AA313	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA30 CP591	30KAA30AA314	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V L KAA30 CL099	30KAA30AA315	33UJK31027	M	M	ES	SI	S	C/NM		Y (5)
V L KAA30 CL099	30KAA30AA316	33UJK31027	M	M	ES	SI	S	C/NM		Y (5)
V L KAA30 CL094	30KAA30AA317	33UJK31036	M	M	ES	SI	S	C/NM		Y (5)
V L KAA30 CL094	30KAA30AA318	33UJK31036	M	M	ES	SI	S	C/NM		Y (5)
I-V UPR KAA30 CF240	30KAA30AA319	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
I-V DWR KAA30 CF240	30KAA30AA320	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA30 CF057	30KAA30AA321	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA30 CF057	30KAA30AA322	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUR TK30	30KAA30AA401	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V PP30 SUC	30KAA30AA402	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V HX30 SHL	30KAA30AA403	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V RTNR PP30 MTR CL	30KAA30AA404	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUCT STRN TRN30	30KAA30AA405	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V MIN FLOW PP30	30KAA30AA406	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUR TK LVL 2 COLUMN TR 3	30KAA30AA407	33UJK31037	M	M	ES	SI	S	C/NM		Y (5)
D-V SUR TK LVL 1 COLUMN TR 3	30KAA30AA408	33UJK31036	M	M	ES	SI	S	C/NM		Y (5)
D-V HX30 SHL	30KAA30AA409	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DNSTR HX30	30KAA30AA410	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V PP30 DISCH	30KAA30AA411	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 56 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
D-V SUP PP30 MTR CL	30KAA30AA413	33UJH10020	M	H	ES SI S	C/NM	Y (3) Y (5)
D-V COM1B SUP	30KAA30AA414	33UJH10002	M	H	ES SI S	C/NM	Y (3) Y (5)
D-V COM1B RETN	30KAA30AA417	33UJH10002	M	H	ES SI S	C/NM	Y (3) Y (5)
V-V HX30 SHL	30KAA30AA501	33UJH10020	M	H	ES SI S	C/NM	Y (3) Y (5)
V-V HX30 SHL	30KAA30AA503	33UJH10020	M	H	ES SI S	C/NM	Y (3) Y (5)
V-V UPSTR PP20	30KAA30AA504	33UJH10020	M	H	ES SI S	C/NM	Y (3) Y (5)
V-V SUR TK LVL 1 COLMN TR 3	30KAA30AA505	33UJK31036	M	M	ES SI S	C/NM	Y (5)
V-V SUR TK LVL 2 COLMN TR 3	30KAA30AA506	33UJK31037	M	M	ES SI S	C/NM	Y (5)
HX CCWS TR 3	30KAA30AC001	33UJH10020	M	H	ES SI S	C/NM	Y (3) Y (5)
HX CCWS PP MTR CLR TR 3	30KAA30AC002	33UJH01020	M	H	ES SI S	C/NM	Y (3) Y (5)
MTR HTR CCWS PP TR 2	30KAA30AH500	33UJH01020	M	H	SII NS-AQ		Y (5)
PP CCWS TR 3	30KAA30AP001	33UJH01020	M	H	ES SI S	C/NM	Y (3) Y (5)
STRNR CCWS PP SUCTION TR 3	30KAA30AT001	33UJH01020	M	H	ES SI S	C/NM	Y (3) Y (5)
SUR TK CCWS TR 3	30KAA30BB001	33UJK31039	M	M	ES SI S	C/NM	Y (5)
TK TR 3 SUR TK LVL 2 COLUMN	30KAA30BB301	33UJK31037	M	M	ES SI S	C/NM	Y (5)
TK TR 3 SUR TK LVL 1 COLUMN	30KAA30BB302	33UJK31036	M	M	ES SI S	C/NM	Y (5)
CTR-V DW TRN30	30KAA30CF057	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
F TRN30 HX OUT TEST MEAS	30KAA30CF255	33UJH05006	M	H	SI S	C/NM	Y (3) Y (5)
F RETN SUR TK30 MEAS	30KAA30CF570	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
L SUR TK30 MEAS	30KAA30CL598	33UJK31037	M	M	SI S	C/NM	Y (5)
DP HX30 MEAS	30KAA30CP051	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
DP SUCT STRN30	30KAA30CP274	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
P DNSTR HX30	30KAA30CP297	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
P UPSTR PP30	30KAA30CP578	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
P TEST DNSTR PP30	30KAA30CP579	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
T CW USERS TRN30	30KAA30CP587	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
P M CL PP30	30KAA30CP591	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
T OUTL HX30 MEAS	30KAA30CT090	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
T INL HX30 MEAS	30KAA30CT092	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
T RETN CCWS PP CL3	30KAA30CT288	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
V UPSTR QKA30 AC002	30KAA32AA003	33UJH10002	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR QKA30 AC002	30KAA32AA004	33UJH10002	M	H	ES SI S	C/NM	Y (3) Y (5)
ISOL-V JNG30 AC001	30KAA32AA005	33UJH10002	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR CL MHSI PP3	30KAA32AA006	33UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR CL LHSI PP3	30KAA32AA007	33UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR CL MHSI PP3	30KAA32AA009	33UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR CL LHSI PP3	30KAA32AA010	33UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR JNG30 AC001	30KAA32AA011	33UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
CK-V DNSTR LHSI HX 3	30KAA32AA012	33UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 57 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
ISOL-V SL CL LHSI PP3	30KAA32AA013	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
CK-V DNSTR LHSI PP 3	30KAA32AA014	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
3W-C-V SAFE CHIL3	30KAA32AA101	33UJH05038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V CL MHSI PP3	30KAA32AA115	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V CL LHSI PP3 M	30KAA32AA116	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V SL CL LHSI PP3	30KAA32AA127	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V LHSI HX 3	30KAA32AA191	33UJH05006	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V LHSIS PP3 SEAL CLR	30KAA32AA192	33UJH01009	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V LHSIS PP3 MTR CLR	30KAA32AA193	33UJH01009	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V MHSI PP3 MTR CLR	30KAA32AA194	33UJH01007	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V SCWS TR3	30KAA32AA195	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA32 CF066	30KAA32AA301	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA32 CF066	30KAA32AA302	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA32 CF080	30KAA32AA303	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA32 CF080	30KAA32AA304	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA32 CF062	30KAA32AA305	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA32 CF062	30KAA32AA306	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA32 CF068	30KAA32AA307	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA32 CF068	30KAA32AA308	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA32 CP503	30KAA32AA309	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA32 CP501	30KAA32AA310	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAA32 CP502	30KAA32AA313	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V MHSI HX30	30KAA32AA401	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V MHSI HX30	30KAA32AA402	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V JNG PP3 M CL	30KAA32AA403	33UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V BYP QKA30	30KAA32AA404	33UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V LHSI HX30	30KAA32AA405	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V LHSI HX30	30KAA32AA501	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V LHSI HX30	30KAA32AA502	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
BP RETN LHSI HX3	30KAA32BP005	33UJH05006	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
BP RETN MHSI PP3	30KAA32BP006	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
F TEST MHSI PP3	30KAA32CF264	33UJH01005	M	H		SI	S	C/NM	Y (3)	Y (5)
F LHSI TEST PP3	30KAA32CF282	33UJH01005	M	H		SI	S	C/NM	Y (3)	Y (5)
P DNSTR SAFE CHIL3	30KAA32CP501	33UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)
P DNSTR *32 AA101*	30KAA32CP502	33UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)
P UPSTR SAFE CHIL3	30KAA32CP503	33UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR MHSI PP3	30KAA32CT258	33UJH01005	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR LHSI PP3	30KAA32CT284	33UJH01005	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR SAFE CHIL3	30KAA32CT553	33UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 58 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
T DNSTR LHSI HX3	30KAA32CT555	33UJH05006	M	H	SI S	C/NM	Y (3) Y (5)
CK-V KAA40 AC001 OUTLET	30KAA40AA004	34UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR KAA40AC001	30KAA40AA005	34UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
QCL-V KAA40 TO COM2B	30KAA40AA006	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR KAA40 AC002	30KAA40AA007	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR KAA40 AC002	30KAA40AA008	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
QCL-V COM2B TO KAA40	30KAA40AA010	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V SUR TANK TO PP40	30KAA40AA011	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR KAA40 AT001	30KAA40AA015	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR KAA40 AP001	30KAA40AA018	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V MIN FLOW KAA40 AP001	30KAA40AA022	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
DWDS SUP ISOL KAA40	30KAA40AA027	34UJH01024	M	H	ES SI S	C/NM	Y (3) Y (5)
V HYDRAZINE SUPPLY KAA40	30KAA40AA028	34UJH01024	M	H	ES SI S	C/NM	Y (3) Y (5)
V RADN MON TO KAA40	30KAA40AA029	34UJH05026	M	H	ES SI S	C/NM	Y (3) Y (5)
V KAA40 TO RADN MON	30KAA40AA030	34UJH05026	M	H	ES SI S	C/NM	Y (3) Y (5)
QCL-V COM2A TO KAA40	30KAA40AA032	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
QCL-V KAA40 TO COM2A	30KAA40AA033	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
Tr 4 SUR Tk Lvl 2 Upper Isol	30KAA40AA034	34UJK31027	M	M	ES SI S	C/NM	Y (5)
Tr 4 SUR Tk Lvl 1 Upper Isol	30KAA40AA035	34UJK31026	M	M	ES SI S	C/NM	Y (5)
Tr 4 SUR Tk Lvl 1 Lwr Isol	30KAA40AA036	34UJK31026	M	M	ES SI S	C/NM	Y (5)
Tr 4 SUR Tk Lvl 2 Lwr Isol	30KAA40AA037	34UJK31027	M	M	ES SI S	C/NM	Y (5)
BYP-V KAA40AC001	30KAA40AA112	34UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
FAJ-V MFL KAA PP4	30KAA40AA123	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
FAJ-V KAA40 AC002 LN	30KAA40AA140	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
RL-V CCW PP4 MTR CLR	30KAA40AA191	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP274	30KAA40AA301	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP274	30KAA40AA302	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP578	30KAA40AA303	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA40 CF570	30KAA40AA304	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA40 CF570	30KAA40AA305	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA40 CF053	30KAA40AA306	34UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP053	30KAA40AA307	34UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP083	30KAA40AA308	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP579	30KAA40AA309	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP051	30KAA40AA310	34UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP051	30KAA40AA311	34UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP297	30KAA40AA312	34UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP587	30KAA40AA313	34UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
V P KAA40 CP591	30KAA40AA314	34UJH01026	M	H	ES SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 59 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V L KAA40 CL099	30KAA40AA315	34UJK31027	M	M	ES	SI	S	C/NM		Y (5)
V L KAA40 CL099	30KAA40AA316	34UJK31027	M	M	ES	SI	S	C/NM		Y (5)
V L KAA40 CL094	30KAA40AA317	34UJK31026	M	M	ES	SI	S	C/NM		Y (5)
V L KAA40 CL094	30KAA40AA318	34UJK31026	M	M	ES	SI	S	C/NM		Y (5)
I-V UPR KAA40 CF240	30KAA40AA319	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
I-V DWR KAA40 CF240	30KAA40AA320	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA40 CF057	30KAA40AA321	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAA40 CF057	30KAA40AA322	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUR TK40	30KAA40AA401	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V PP40 SUC	30KAA40AA402	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V HX40 SHL	30KAA40AA403	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V RTNR PP40 MTR CL	30KAA40AA404	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUCT STRN TRN40	30KAA40AA405	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V MIN FLOW PP40	30KAA40AA406	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUR TK LVL 2 COLMN TR 4	30KAA40AA407	34UJK31027	M	M	ES	SI	S	C/NM		Y (5)
D-V SUR TK LVL 1 COLMN TR 4	30KAA40AA408	34UJK31026	M	M	ES	SI	S	C/NM		Y (5)
D-V HX30 SHL	30KAA40AA409	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DNSTR HX40	30KAA40AA410	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V PP40 DISCH	30KAA40AA411	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUP PP40 MTR CL	30KAA40AA413	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V HX40 SHL	30KAA40AA501	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V HX40 SHL	30KAA40AA503	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V UPSTR PP40	30KAA40AA504	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V SUR TK LVL 1 COLMN TR 4	30KAA40AA505	34UJK31026	M	M	ES	SI	S	C/NM		Y (5)
V-V SUR TK LVL 2 COLMN TR 4	30KAA40AA506	34UJK31027	M	M	ES	SI	S	C/NM		Y (5)
HX CCWS TR 4	30KAA40AC001	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
HX CCWS PP MTR CLR TR 4	30KAA40AC002	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
MTR HTR CCWS PP TR 4	30KAA40AH500	34UJH01026	M	H		SII	NS-AQ			Y (5)
PP CCWS TR 4	30KAA40AP001	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
STRNR CCWS PP SUCTION TR 4	30KAA40AT001	34UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
SUR TK CCWS TR 4	30KAA40BB001	34UJK31025	M	M	ES	SI	S	C/NM		Y (5)
TK TR 4 SUR TK LVL 2 COLUMN	30KAA40BB301	34UJK31027	M	M	ES	SI	S	C/NM		Y (5)
TK TR 4 SUR TK LVL 1 COLUMN	30KAA40BB302	34UJK31026	M	M	ES	SI	S	C/NM		Y (5)
CTR-V DW TRN40	30KAA40CF057	34UJH01024	M	H		SI	S	C/NM	Y (3)	Y (5)
F TRN40 HX OUT TEST MEAS	30KAA40CF255	34UJH10026	M	H		SI	S	C/NM	Y (3)	Y (5)
F RETN SUR TK40 MEAS	30KAA40CF570	34UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
L SUR TK40 MEAS	30KAA40CL598	34UJK31027	M	M		SI	S	C/NM		Y (5)
DP HX40 MEAS	30KAA40CP051	34UJH05026	M	H		SI	S	C/NM	Y (3)	Y (5)
DP SUCT STRN40	30KAA40CP274	34UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 60 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
P DNSTR HX40	30KAA40CP297	34UJH10026	M	H	SI S	C/NM	Y (3) Y (5)
P UPSTR PP40	30KAA40CP578	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
P TEST DNSTR PP40	30KAA40CP579	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
T CW USERS TRN40	30KAA40CP587	34UJH10026	M	H	SI S	C/NM	Y (3) Y (5)
P M CL PP40	30KAA40CP591	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
T OUTL HX40 MEAS	30KAA40CT090	34UJH10026	M	H	SI S	C/NM	Y (3) Y (5)
T INL HX40 MEAS	30KAA40CT092	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
T RETN CCWS PP CL4	30KAA40CT288	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
ISOL-V JNG40 AC001	30KAA42AA005	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR CL MHSI PP4	30KAA42AA006	34UJH01001	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR CL MHSI PP4	30KAA42AA009	34UJH01001	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR JNG40 AC001	30KAA42AA011	34UJH05026	M	H	ES SI S	C/NM	Y (3) Y (5)
CK-V DNSTR LHSI HX 4	30KAA42AA012	34UJH05026	M	H	ES SI S	C/NM	Y (3) Y (5)
FAJ-V CL MHSI PP4	30KAA42AA115	34UJH01001	M	H	ES SI S	C/NM	Y (3) Y (5)
RL-V LHSI HX 4	30KAA42AA191	34UJH05005	M	H	ES SI S	C/NM	Y (3) Y (5)
RL-V MHSI PP4 MTR CLR	30KAA42AA194	34UJH01002	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA42 CF066	30KAA42AA301	34UJH01001	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA42 CF066	30KAA42AA302	34UJH01001	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA42 CF062	30KAA42AA305	34UJH05026	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAA42 CF062	30KAA42AA306	34UJH05026	M	H	ES SI S	C/NM	Y (3) Y (5)
D-V MHSI PP40	30KAA42AA402	34UJH01001	M	H	ES SI S	C/NM	Y (3) Y (5)
D-V MHSI PP40	30KAA42AA404	34UJH01001	M	H	ES SI S	C/NM	Y (3) Y (5)
D-V LHSI HX40	30KAA42AA405	34UJH05005	M	H	ES SI S	C/NM	Y (3) Y (5)
V-V LHSI HX40	30KAA42AA501	34UJH05005	M	H	ES SI S	C/NM	Y (3) Y (5)
BP RETN LHSI HX4	30KAA42BP005	34UJH05005	M	H	ES SI S	C/NM	Y (3) Y (5)
F TEST MHSI PP3	30KAA42CF264	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
T DNSTR MHSI PP4	30KAA42CT258	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
T DNSTR LHSI HX4	30KAA42CT555	34UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
HX DED CCWS PP MTR CLR	30KAA80AC002	34UJH01026	M	H	SII NS-AQ		Y (5)
MTR HTR DEDICATED CCWS PP	30KAA80AH500	34UJH01026	M	H	SII NS-AQ		Y (5)
V KAA10 TO COM1B	30KAB10AA002	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V KAA10 TO COM1A	30KAB10AA003	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V KAA20 TO COM1A	30KAB10AA004	32UJH10002	M	H	ES SI S	C/NM	Y (3) Y (5)
V COM1A TO KAA20	30KAB10AA007	32UJH10002	M	H	ES SI S	C/NM	Y (3) Y (5)
V COM1A TO KAA10	30KAB10AA010	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V COM1B TO KAA10	30KAB10AA011	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR KUA30 AC001	30KAB10AA013	30UFA06082	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR KUA30 AC001	30KAB10AA015	30UFA06082	M	H	ES SI S	C/NM	Y (3) Y (5)
V UPSTR KUA20 AC001	30KAB10AA016	30UFA06082	M	H	ES SI S	C/NM	Y (3) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 61 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V DNSTR KUA20 AC001	30KAB10AA018	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR FAK10 AC001	30KAB10AA019	30UFA06023	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR FAK10 AC001	30KAB10AA020	30UFA06023	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR CL *KBA* PP1	30KAB10AA022	30UFA06036	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR CL *KBA* PP1	30KAB10AA027	30UFA06036	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR QUC11 AC001	30KAB10AA028	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR QUC12 AC001	30KAB10AA030	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR QUC11 AC001	30KAB10AA032	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR QUC12 AC001	30KAB10AA033	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR KLL61 AC002	30KAB10AA042	30UFA05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR KLL61 AC003	30KAB10AA043	30UFA05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KLL61AC002	30KAB10AA044	30UFA05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KLL61 AC003	30KAB10AA045	30UFA05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KUA30 AC001	30KAB10AA114	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KLL61 AC002	30KAB10AA115	30UFA05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KLL61 AC003	30KAB10AA116	30UFA05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KUA20 AC001	30KAB10AA117	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KBA31 AC103	30KAB10AA123	30UFA06035	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KBA31 AC102	30KAB10AA124	30UFA06035	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KBA31 AC101	30KAB10AA126	30UFA06035	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V QUC11 AC001	30KAB10AA129	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V QUC12 AC001	30KAB10AA131	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V FAK10 AC001	30KAB10AA134	30UFA06023	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V FPCS HX 1	30KAB10AA190	30UFA06023	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V FBVS CLR KLL61AC002	30KAB10AA191	30UFA05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V RETURN COM1A	30KAB10AA193	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V SAMPL CLR QUC11 AC001	30KAB10AA194	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V SAMPL CLR QUC12 AC001	30KAB10AA195	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V SAMPL CLR KUA20 AC001	30KAB10AA196	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V SAMPL CLR KUA30 AC001	30KAB10AA197	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V CVCS PP1 CLRS	30KAB10AA198	30UFA06036	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V FBVS CLR KLL61AC003	30KAB10AA199	30UFA01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF070	30KAB10AA301	30UFA10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF070	30KAB10AA302	30UFA10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB10 CP292	30KAB10AA303	30UFA06035	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF093	30KAB10AA304	30UFA06035	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF093	30KAB10AA305	30UFA06035	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB10 CP262	30KAB10AA306	30UFA06035	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB10 CP260	30KAB10AA307	30UFA06035	M	H	ES	SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 62 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V F KAB10 CF567	30KAB10AA308	30UFA01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF567	30KAB10AA309	30UFA01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB10 CP254	30KAB10AA310	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF566	30KAB10AA311	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF566	30KAB10AA312	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF564	30KAB10AA313	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF564	30KAB10AA314	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF568	30KAB10AA315	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB10 CF568	30KAB10AA316	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB10 CP282	30KAB10AA317	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB10 CP256	30KAB10AA318	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P JAB10 CP284	30KAB10AA319	30UFA06036	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DNR FPCS HX1	30KAB10AA401	30UFA06023	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPR FPC HX1	30KAB10AA402	30UFA06023	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPR SAMPL CLRS	30KAB10AA404	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPR CVCS AND SAMPL CLRS	30KAB10AA405	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DNSTR NSS1	30KAB10AA408	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DNR CVCS CL1	30KAB10AA409	30UFA06036	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DNR CVCS AND SAMPL CLRS	30KAB10AA410	30UFA06023	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V10 SUP COM1A	30KAB10AA411	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V10 SUP COM1B	30KAB10AA412	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V20 SUP COM1A	30KAB10AA413	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V10 RETN COM1B	30KAB10AA415	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V10 RETN COM1A	30KAB10AA416	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V20 RETN COM1A	30KAB10AA418	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPR FPC HX1	30KAB10AA419	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPSTR KBA CLR	30KAB10AA420	30UFA06036	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SAMP HX SG1	30KAB10AA421	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SAMP HX SG2	30KAB10AA422	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPR SAMP HL1	30KAB10AA423	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPR SAMP PZR	30KAB10AA424	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SAMP HX SG1	30KAB10AA425	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SAMP HX SG2	30KAB10AA426	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DWR SAMP HL1	30KAB10AA427	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DWR SAMP HL2	30KAB10AA428	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DWR SAMP CLRS	30KAB10AA429	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V UPR SAMPL CLRS	30KAB10AA501	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V UPR CVCS AND SAMPL CLRS	30KAB10AA502	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNR NSS CL1	30KAB10AA503	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 63 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V-V20 SUP COM1A	30KAB10AA505	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V20 SUP COM1B	30KAB10AA506	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V UPR FPC HX1	30KAB10AA507	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V20 RETN COM1B	30KAB10AA508	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR COM1A	30KAB10AA510	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V UPSTR RCS CL	30KAB10AA512	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR QUC11	30KAB10AA513	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR QUC12	30KAB10AA514	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR KUA30	30KAB10AA515	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR KUA10	30KAB10AA516	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR KBA CL	30KAB10AA517	30UFA06036	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V UPSTR COM1B	30KAB10AA518	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR COM1B	30KAB10AA519	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR COM1A	30KAB10AA522	30UFA06023	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V UPSTR COM1A	30KAB10AA523	30UFA06023	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
F FPCS HX1 MEAS	30KAB10CF070	30UFA10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
F CVCS PP1	30KAB10CF093	30UFA06035	M	H		SI	S	C/NM	Y (3)	Y (5)
F TEST CVCS PP1	30KAB10CF289	30UFA06035	M	H		SI	S	C/NM	Y (3)	Y (5)
F NSS SG1 SG2	30KAB10CF564	30UFA06086	M	H		SI	S	C/NM	Y (3)	Y (5)
F NSS HLI PZR	30KAB10CF566	30UFA06086	M	H		SI	S	C/NM	Y (3)	Y (5)
F DNSTR KLL61AC002-3	30KAB10CF567	30UFA05026	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR QUC11 AC001	30KAB10CP250	30UFA06083	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR QUC12 AC001	30KAB10CP252	30UFA06083	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR KUA30 AC001	30KAB10CP254	30UFA06082	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR KUA20 AC001	30KAB10CP256	30UFA06082	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR KBA31 AC103	30KAB10CP260	30UFA06035	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR KBA31 AC101	30KAB10CP262	30UFA06035	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST UPR SAMPL CLRS	30KAB10CP282	30UFA06083	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST UPSTR KBA CLR	30KAB10CP284	30UFA06023	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST KBA31 AC102	30KAB10CP292	30UFA06035	M	H		SI	S	C/NM	Y (3)	Y (5)
T TEST UPSTR FPCS HX1	30KAB10CT267	30UFA06023	M	H		SI	S	C/NM	Y (3)	Y (5)
T TEST DNSTR FPCS HX1	30KAB10CT268	30UFA06023	M	H		SI	S	C/NM	Y (3)	Y (5)
T TEST NSS SG1 SG2	30KAB10CT272	30UFA06083	M	H		SI	S	C/NM	Y (3)	Y (5)
T TEST NSS HLI PZR	30KAB10CT273	30UFA06082	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR FPCS HX1	30KAB10CT565	30UFA06023	M	H		SI	S	C/NM	Y (3)	Y (5)
T CVCS PP1	30KAB10CT578	30UFA06035	M	H		SI	S	C/NM	Y (3)	Y (5)
V SUP TRN40 COM 2A	30KAB20AA001	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V SUP TRN40 COM 2B	30KAB20AA002	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V SUP TRN30 COM 2A	30KAB20AA003	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 64 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V RETN COM2A TRN30	30KAB20AA006	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V RETN COM2A TRN40	30KAB20AA011	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V RETN COM2B TRN40	30KAB20AA012	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR FAK20 AC001	30KAB20AA016	30UFA06074	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR FAK20 AC001	30KAB20AA017	30UFA06074	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR CL *KBA* PP2	30KAB20AA023	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR CL *KBA* PP2	30KAB20AA025	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR KUA10 AC001	30KAB20AA030	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KUA10 AC001	30KAB20AA032	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR QUC13 AC001	30KAB20AA033	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR QUC13 AC001	30KAB20AA036	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR QUC14 AC001	30KAB20AA038	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR QUC14 AC001	30KAB20AA039	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR KLL64 AC002	30KAB20AA042	30UFA05076	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V UPSTR KLL64 AC003	30KAB20AA043	30UFA05076	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KLL64 AC002	30KAB20AA044	30UFA05076	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR KLL64 AC003	30KAB20AA045	30UFA05076	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KLL64 AC002	30KAB20AA115	30UFA05076	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KLL64 AC003	30KAB20AA116	30UFA05076	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V CVCS PP OIL 2	30KAB20AA124	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V CVCS PP SL 2	30KAB20AA126	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V CVCS PP M 2	30KAB20AA127	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V KUA10 AC001	30KAB20AA131	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V FAK20 AC001	30KAB20AA134	30UFA06074	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V QUC13 AC001	30KAB20AA135	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
FAJ-V QUC14 AC001	30KAB20AA137	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V FPCS HX 2	30KAB20AA190	30UFA06074	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V FBVS CLR KLL64AC002	30KAB20AA191	30UFA05076	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V DNSTR COM2B	30KAB20AA192	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V DNSTR COM2A	30KAB20AA193	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V SAMPL CLR KUA10 AC001	30KAB20AA194	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V SAMPL CLR QUC13 AC001	30KAB20AA195	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V SAMPL CLR QUC14 AC001	30KAB20AA196	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V CVCS PP2 CLRS	30KAB20AA198	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
RL-V FBVS CLR KLL64AC003	30KAB20AA199	30UFA05076	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20 CF070	30KAB20AA301	30UFA10052	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20 CF070	30KAB20AA302	30UFA10052	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB20 CP292	30KAB20AA303	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20 CF093	30KAB20AA304	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 65 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V F KAB20 CF093	30KAB20AA305	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB20 CP262	30KAB20AA306	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB20 CP260	30KAB20AA307	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20 CF567	30KAB20AA308	30UFA06074	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20 CF567	30KAB20AA309	30UFA06074	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB20 CP256	30KAB20AA310	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20 CF566	30KAB20AA311	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20 CF566	30KAB20AA312	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20 CF564	30KAB20AA313	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20 CF564	30KAB20AA314	30UFA06086	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20CF568	30KAB20AA315	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB20CF568	30KAB20AA316	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB20 CP280	30KAB20AA317	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V P KAB20 CP279	30KAB20AA318	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPR FPCS HX2	30KAB20AA401	30UFA06074	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DNR FPCS HX2	30KAB20AA402	30UFA06074	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPR CVCS CL2	30KAB20AA404	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V DNR CVCS CL2	30KAB20AA407	30UFA06084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V40 SUP COM2A	30KAB20AA411	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V40 SUP COM2B	30KAB20AA412	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V30 SUP COM2A	30KAB20AA413	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V40 RETN COM2B	30KAB20AA415	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V40 RETN COM2A	30KAB20AA416	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V30 RETN COM2A	30KAB20AA418	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V40 SUP COM2A	30KAB20AA419	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SAMP HX SG1	30KAB20AA421	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SAMP HX SG2	30KAB20AA422	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPR SAMP HL3	30KAB20AA423	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SAMP HX SG3	30KAB20AA425	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SAMP HX SG4	30KAB20AA426	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V UPR SAMP HL3	30KAB20AA427	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V40 SUP COM2A	30KAB20AA503	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V30 SUP COM2A	30KAB20AA504	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V30 SUP COM2B	30KAB20AA505	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V30 RETN COM2B	30KAB20AA506	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V30 RETN COM2A	30KAB20AA507	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V40 RETN COM2A	30KAB20AA508	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V SUP CVCS HP2	30KAB20AA509	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V40 RETN COM2B	30KAB20AA510	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 66 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V-V UPSTR FB2 CL	30KAB20AA511	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR QUC13	30KAB20AA513	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR QUC14	30KAB20AA514	30UFA06083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR KUA20	30KAB20AA515	30UFA06082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V DNSTR KBA CL	30KAB20AA516	30UFA06085	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
F FPCS HX2 MEAS	30KAB20CF070	30UFA10052	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
F CVCS PP2	30KAB20CF093	30UFA06085	M	H		SI	S	C/NM	Y (3)	Y (5)
F TEST CVCS PP2	30KAB20CF289	30UFA06085	M	H		SI	S	C/NM	Y (3)	Y (5)
F NSS SG3 SG4	30KAB20CF564	30UFA06086	M	H		SI	S	C/NM	Y (3)	Y (5)
F DNSTR NSS HL3	30KAB20CF566	30UFA06086	M	H		SI	S	C/NM	Y (3)	Y (5)
F DNSTR KLL64AC002-3	30KAB20CF567	30UFA06074	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR QUC13 AC001	30KAB20CP252	30UFA06083	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR QUC14 AC001	30KAB20CP254	30UFA06083	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR KUA10 AC001	30KAB20CP256	30UFA06082	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR CVCS PP OIL 2	30KAB20CP260	30UFA06085	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR CVCS PP M 2	30KAB20CP262	30UFA06085	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST UPR SAMPL CLRS	30KAB20CP279	30UFA06084	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST UPSTR KBA CLR	30KAB20CP280	30UFA06084	M	H		SI	S	C/NM	Y (3)	Y (5)
P TEST DNR CVCS PP SL 2	30KAB20CP292	30UFA06085	M	H		SI	S	C/NM	Y (3)	Y (5)
T UPSTR FPCS HX2	30KAB20CT267	30UFA05076	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR FPCS HX2	30KAB20CT268	30UFA06075	M	H		SI	S	C/NM	Y (3)	Y (5)
T TEST NSS SG3 SG4	30KAB20CT272	30UFA06083	M	H		SI	S	C/NM	Y (3)	Y (5)
T TEST NSS CL3	30KAB20CT273	30UFA06082	M	H		SI	S	C/NM	Y (3)	Y (5)
T DNSTR FPCS HX2	30KAB20CT565	30UFA06075	M	H		SI	S	C/NM	Y (3)	Y (5)
T CVCS PP2	30KAB20CT578	30UFA06084	M	H		SI	S	C/NM	Y (3)	Y (5)
V UPSTR COOLER RCP 1	30KAB30AA011	30UJA18013	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
V DNSTR COOLER RCP 1	30KAB30AA018	30UJA18013	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
V UPSTR COOLER RCP 2	30KAB30AA021	30UJA18014	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
V DNSTR COOLER RCP 2	30KAB30AA028	30UJA18014	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
V UPSTR COOLER RCP 3	30KAB30AA031	30UJA18015	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
V DNSTR COOLER RCP 3	30KAB30AA038	30UJA18015	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
V UPSTR COOLER RCP 4	30KAB30AA041	30UJA18016	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
V DNSTR COOLER RCP 4	30KAB30AA048	30UJA18016	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
CIV UPSTR THBARR 1&2	30KAB30AA050	30UJA11014	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
CIV UPSTR THBARR 3&4	30KAB30AA054	30UJA11015	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
FAJ-V JEB10 AC001	30KAB30AA112	30UJA18002	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
FAJ-V JEB10 AC004	30KAB30AA116	30UJA23002	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
FAJ-V JEB20 AC001	30KAB30AA122	30UJA18005	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
FAJ-V JEB20 AC004	30KAB30AA126	30UJA23005	H	H	ES	SI	S	C/NM	Y (4)	Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 67 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)
					Function (Note 3)				
FAJ-V JEB30 AC001	30KAB30AA132	30UJA18006	H	H	ES	SI	S	C/NM	Y (4) Y (5)
FAJ-V JEB30 AC004	30KAB30AA136	30UJA23006	H	H	ES	SI	S	C/NM	Y (4) Y (5)
FAJ-V JEB40 AC001	30KAB30AA142	30UJA18009	H	H	ES	SI	S	C/NM	Y (4) Y (5)
FAJ-V JEB40 AC004	30KAB30AA146	30UJA23009	H	H	ES	SI	S	C/NM	Y (4) Y (5)
RL-V RETURN THBARR 1&2	30KAB30AA191	30UJA15013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
RL-V RETURN THBARR 3&4	30KAB30AA192	30UJA15015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
RL-V RCP1 CLRS	30KAB30AA193	30UJA18013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
RL-V RCP2 CLRS	30KAB30AA194	30UJA18014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
RL-V CONT PEN JMQ60 BQ118	30KAB30AA195	30UJA11013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
RL-V RCP3 CLRS	30KAB30AA196	30UJA18015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
RL-V RCP4 CLRS	30KAB30AA197	30UJA18016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
RL-V CONT PEN JMQ60 BQ421	30KAB30AA198	30UJA11015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB30AA050	30KAB30AA251	30UJA11014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB30AA050	30KAB30AA252	30UJA11014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB30AA051	30KAB30AA255	30UJA11013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB30AA051	30KAB30AA256	30UJA11013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB30AA054	30KAB30AA259	30UJA11013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB30AA054	30KAB30AA260	30UJA11014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB30AA055	30KAB30AA263	30UJA11015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB30AA055	30KAB30AA264	30UJA11015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF068	30KAB30AA301	30UJA11013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF068	30KAB30AA302	30UJA11013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF066	30KAB30AA303	30UJA18013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF066	30KAB30AA304	30UJA18013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF064	30KAB30AA305	30UJA18013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF064	30KAB30AA306	30UJA18013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF062	30KAB30AA307	30UJA18013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF062	30KAB30AA308	30UJA18013	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF078	30KAB30AA309	30UJA11014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF078	30KAB30AA310	30UJA11014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF076	30KAB30AA311	30UJA18014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF076	30KAB30AA312	30UJA18014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF074	30KAB30AA313	30UJA18014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF074	30KAB30AA314	30UJA18014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF072	30KAB30AA315	30UJA18014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF072	30KAB30AA316	30UJA18014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF088	30KAB30AA317	30UJA11015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF088	30KAB30AA318	30UJA11015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB30CF086	30KAB30AA319	30UJA18015	H	H	ES	SI	S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 68 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
V F KAB30CF086	30KAB30AA320	30UJA18015	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF084	30KAB30AA322	30UJA18015	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF082	30KAB30AA323	30UJA18015	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF082	30KAB30AA324	30UJA18015	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF098	30KAB30AA325	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF098	30KAB30AA326	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF096	30KAB30AA327	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF096	30KAB30AA328	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF094	30KAB30AA329	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF094	30KAB30AA330	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF092	30KAB30AA331	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB30CF092	30KAB30AA332	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V UPSTR THBARR 1&2	30KAB30AA406	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V DNSTR THBARR 1&2	30KAB30AA407	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V UPSTR THBARR 3&4	30KAB30AA408	30UJA11015	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V DNSTR THBARR 3&4	30KAB30AA409	30UJA11015	H	H	ES SI S	C/NM	Y (4) Y (5)
V-V DNSTR JEB10 AC002	30KAB30AA501	30UJA23002	H	H	ES SI S	C/NM	Y (4) Y (5)
V-V RCP UPR BRG1	30KAB30AA502	30UJA23002	H	H	ES SI S	C/NM	Y (4) Y (5)
V-V JEB20AC002	30KAB30AA503	30UJA23005	H	H	ES SI S	C/NM	Y (4) Y (5)
V-V RCP UPR BRG2	30KAB30AA504	30UJA23005	H	H	ES SI S	C/NM	Y (4) Y (5)
V-V JEB30AC002	30KAB30AA505	30UJA23006	H	H	ES SI S	C/NM	Y (4) Y (5)
V-V RCP UPR BRG3	30KAB30AA506	30UJA23006	H	H	ES SI S	C/NM	Y (4) Y (5)
V-V JEB40AC002	30KAB30AA507	30UJA23009	H	H	ES SI S	C/NM	Y (4) Y (5)
V-V RCP UPR BRG4	30KAB30AA508	30UJA23009	H	H	ES SI S	C/NM	Y (4) Y (5)
V-V RCP UPR BRG2	30KAB30AA509	30UJA23005	H	H	ES SI S	C/NM	Y (4) Y (5)
V-V DNSTR THBARR 4	30KAB30AA520	30UJA23006	H	H	ES SI S	C/NM	Y (4) Y (5)
DP RETN M MCP1	30KAB30BP032	30UJA18002	H	H	ES SI S	C/NM	Y (4) Y (5)
DP RETN M MCP2	30KAB30BP034	30UJA18005	H	H	ES SI S	C/NM	Y (4) Y (5)
DP RETN M MCP3	30KAB30BP036	30UJA18006	H	H	ES SI S	C/NM	Y (4) Y (5)
DP RETN M MCP4	30KAB30BP038	30UJA18009	H	H	ES SI S	C/NM	Y (4) Y (5)
F UPR BRG MCP1	30KAB30CF062	30UJA23002	H	H	SI S	C/NM	Y (4) Y (5)
F M MCP1	30KAB30CF064	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
F DNR BRG MCP1	30KAB30CF066	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
F THML BARR1	30KAB30CF068	30UJA11013	H	H	SI S	C/NM	Y (4) Y (5)
F UPR BRG MCP2	30KAB30CF072	30UJA23005	H	H	SI S	C/NM	Y (4) Y (5)
F M MCP2	30KAB30CF074	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
F DNR BRG MCP2	30KAB30CF076	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
F THML BARR2	30KAB30CF078	30UJA11014	H	H	SI S	C/NM	Y (4) Y (5)
F UPR BRG MCP3	30KAB30CF082	30UJA23006	H	H	SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 69 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
F M MCP3	30KAB30CF084	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
F DNR BRG MCP3	30KAB30CF086	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
F THML BARR3	30KAB30CF088	30UJA11015	H	H	SI S	C/NM	Y (4) Y (5)
F UPR BRG MCP4	30KAB30CF092	30UJA23009	H	H	SI S	C/NM	Y (4) Y (5)
F M MCP4	30KAB30CF094	30UJA18009	H	H	SI S	C/NM	Y (4) Y (5)
F DNR BRG MCP4	30KAB30CF096	30UJA18009	H	H	SI S	C/NM	Y (4) Y (5)
F THML BARR4	30KAB30CF098	30UJA11016	H	H	SI S	C/NM	Y (4) Y (5)
F TEST UPR BRG MCP1	30KAB30CF261	30UJA23002	H	H	SI S	C/NM	Y (4) Y (5)
F TEST M MCP1	30KAB30CF263	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
F TEST DNR BRG MCP1	30KAB30CF265	30UJA18002	H	H	SI S	C/NM	Y (4) Y (5)
F TEST UPR BRG MCP2	30KAB30CF271	30UJA23005	H	H	SI S	C/NM	Y (4) Y (5)
F TEST M MCP2	30KAB30CF273	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
F TEST DNR BRG MCP2	30KAB30CF275	30UJA18005	H	H	SI S	C/NM	Y (4) Y (5)
F TEST UPR BRG MCP3	30KAB30CF281	30UJA23006	H	H	SI S	C/NM	Y (4) Y (5)
F TEST M MCP3	30KAB30CF283	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
F TEST DNR BRG MCP3	30KAB30CF285	30UJA18006	H	H	SI S	C/NM	Y (4) Y (5)
T DNSTR MCP1	30KAB30CT060	30UJA18013	H	H	SI S	C/NM	Y (4) Y (5)
T THML BARR 1	30KAB30CT061	30UJA11013	H	H	SI S	C/NM	Y (4) Y (5)
T DNSTR MCP2	30KAB30CT070	30UJA18014	H	H	SI S	C/NM	Y (4) Y (5)
T THML BARR 2	30KAB30CT071	30UJA11014	H	H	SI S	C/NM	Y (4) Y (5)
T DNSTR MCP3	30KAB30CT080	30UJA18015	H	H	SI S	C/NM	Y (4) Y (5)
T THML BARR 3	30KAB30CT081	30UJA11015	H	H	SI S	C/NM	Y (4) Y (5)
T DNSTR MCP4	30KAB30CT090	30UJA18016	H	H	SI S	C/NM	Y (4) Y (5)
T THML BARR 4	30KAB30CT091	30UJA15009	H	H	SI S	C/NM	Y (4) Y (5)
CIV *KLA/KT* USERS	30KAB40AA001	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
CIV CK-V COM 1b NC	30KAB40AA002	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
CIV *KLA/KT* USERS	30KAB40AA006	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
CIV *KLA/KT* USERS	30KAB40AA012	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
V UPSTR KTA10 AC001	30KAB40AA023	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
V DNSTR KTA10 AC001	30KAB40AA025	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
V UPSTR KLA61 AC001	30KAB40AA026	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)
V DNSTR KLA61 AC001	30KAB40AA027	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)
V UPSTR KLA61 AC003	30KAB40AA028	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)
V DNSTR KLA61 AC003	30KAB40AA029	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)
V UPSTR KLA63 AC001	30KAB40AA030	30UJA23016	H	H	ES SI S	C/NM	Y (4) Y (5)
V DNSTR KLA63 AC001	30KAB40AA031	30UJA23016	H	H	ES SI S	C/NM	Y (4) Y (5)
V UPSTR KLA63 AC003	30KAB40AA032	30UJA23016	H	H	ES SI S	C/NM	Y (4) Y (5)
V DNSTR KLA63 AC003	30KAB40AA033	30UJA23016	H	H	ES SI S	C/NM	Y (4) Y (5)
RL-V RBVS CLR KLA61 AC001	30KAB40AA191	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 70 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
RL-V RBVS CLR KLA61 AC003	30KAB40AA192	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)
RL-V NI DVS CLR KTA10 AC001	30KAB40AA193	30UJA07021	H	H	ES SI S	C/NM	Y (4) Y (5)
RL-V CONT RETURN COM1B	30KAB40AA194	30UJA15014	H	H	ES SI S	C/NM	Y (4) Y (5)
RL-V RBVS CLR KLA63 AC003	30KAB40AA195	30UJA23016	H	H	ES SI S	C/NM	Y (4) Y (5)
RL-V RBVS CLR KLA63 AC001	30KAB40AA196	30UJA23016	H	H	ES SI S	C/NM	Y (4) Y (5)
RL-V CONT PEN JMQ60 BQ114	30KAB40AA197	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
TST C-V KAB40AA002	30KAB40AA251	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
TST C-V KAB40AA002	30KAB40AA252	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
TST C-V KAB40AA012	30KAB40AA255	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
TST C-V KAB40AA012	30KAB40AA256	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB40 CF058	30KAB40AA301	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAB40 CF058	30KAB40AA302	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAB40 CP271	30KAB40AA303	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB40 CF252	30KAB40AA304	30UJA07016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB40 CF252	30KAB40AA305	30UJA07016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB40 CP272	30KAB40AA306	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB40 CF055	30KAB40AA307	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAB40 CF055	30KAB40AA308	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
D-V SUP COM1B NC	30KAB40AA401	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V SUP COM1B NC	30KAB40AA402	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V REAC CLNT CL	30KAB40AA403	30UJA07021	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V RET COM1B NC	30KAB40AA404	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V RET COM1B NC	30KAB40AA405	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V CONT RETURN COM1B	30KAB40AA406	30UJA15014	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V SUP COM1B NC	30KAB40AA407	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
D-V RETN COM1B NC	30KAB40AA408	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V-V SUP COM1B NC	30KAB40AA501	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V-V RETN COM1B NC	30KAB40AA502	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
DP RETN HVAC 12	30KAB40BP005	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)
DP RETN HVAC 34	30KAB40BP006	30UJA23016	H	H	ES SI S	C/NM	Y (4) Y (5)
DP RETN KTA HX	30KAB40BP007	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
F DNSTR RB NC COM1B	30KAB40CF055	31UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
F UPSTR RB NC COM1B	30KAB40CF058	31UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
F DNSTR KTA HX	30KAB40CF252	30UJA07016	H	H	SI S	C/NM	Y (4) Y (5)
P TEST UPSTR KAB40 USERS	30KAB40CP271	30UJA11013	H	H	SI S	C/NM	Y (4) Y (5)
P TEST DNSTR KAB40 USERS	30KAB40CP272	30UJA11013	H	H	SI S	C/NM	Y (4) Y (5)
T RB NC COM1B	30KAB40CT068	31UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
T DNSTR HVAC 12	30KAB40CT070	30UJA23013	H	H	SI S	C/NM	Y (4) Y (5)
T DNSTR HVAC 34	30KAB40CT073	30UJA23016	H	H	SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 71 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
T DNSTR KLA CL1	30KAB40CT264	30UJA23013	H	H	SI S	C/NM	Y (4) Y (5)
T DNSTR KLA CL2	30KAB40CT265	30UJA23013	H	H	SI S	C/NM	Y (4) Y (5)
T DNSTR KLA CL3	30KAB40CT266	30UJA23016	H	H	SI S	C/NM	Y (4) Y (5)
T DNSTR KLA CL4	30KAB40CT267	30UJA23016	H	H	SI S	C/NM	Y (4) Y (5)
V 1 UPSTR *UKA/UKS*	30KAB50AA001	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V DNSTR *UKA/UKS*	30KAB50AA004	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V 2 UPSTR *UKA/UKS*	30KAB50AA006	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
CK-V RTEN COM 2B NC	30KAB50AA008	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAB50 CF050	30KAB50AA303	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAB50 CF050	30KAB50AA304	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAB50 CF054	30KAB50AA319	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAB50 CF054	30KAB50AA320	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
D-V40 SUP COM2B	30KAB50AA401	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
D-V40 RETN COM2B	30KAB50AA402	34UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
D-V40 RETN COM2B	30KAB50AA403	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V-V40 RETN COM2B	30KAB50AA501	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V-V40 SUP COM2B	30KAB50AA502	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
F UPSTR NC COM2B	30KAB50CF050	34UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
F DNSTR NC COM2B	30KAB50CF054	34UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
CIV *KBA*, RCP 1 & 2	30KAB60AA013	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
ICI CK-V COM 1B	30KAB60AA014	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
V UPSTR KBA11 AC001	30KAB60AA015	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
V DNSTR KBA11 AC001	30KAB60AA017	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
CIV *KBA*, RCP 1 & 2	30KAB60AA018	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
CIV *KBA*, RCP 1 & 2	30KAB60AA019	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
C-V KBA11 AC001	30KAB60AA116	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
RL-V CVCS HP CLR KBA11AC001	30KAB60AA191	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
RL-V CONT PEN JMQ60 BQ108	30KAB60AA196	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
TST C-V KAB60AA014	30KAB60AA251	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
TST C-V KAB60AA014	30KAB60AA252	30UJA11014	H	H	ES SI S	C/NM	Y (4) Y (5)
TST C-V KAB60AA018	30KAB60AA255	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
TST C-V KAB60AA018	30KAB60AA256	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB60 CF050	30KAB60AA301	30UJA07016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB60 CF050	30KAB60AA302	30UJA07016	H	H	ES SI S	C/NM	Y (4) Y (5)
V F KAB60 CF081	30KAB60AA303	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
V F KAB60 CF081	30KAB60AA304	31UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
D-V SUP CVCS HP1	30KAB60AA401	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V RETN CVCS HP1	30KAB60AA402	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
D-V RETN COM1B C RB	30KAB60AA403	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 72 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)
					Function (Note 3)				
D-V SUP COM1B C RB	30KAB60AA405	30UJA11014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
D-V10 SUP COM1B C	30KAB60AA406	30UJA11014	H	H	ES	SI	S	C/NM	Y (4) Y (5)
D-V10 RETN COM1B C	30KAB60AA407	31UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)
V-V10 RETN COM1B C	30KAB60AA501	31UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)
F DNSTR CVCS HP CL1	30KAB60CF050	30UJA07016	H	H		SI	S	C/NM	Y (4) Y (5)
F CLASS COM1B	30KAB60CF081	31UJH10004	M	H		SI	S	C/NM	Y (3) Y (5)
G ACTY CCWS INLET	30KAB60CR001	30UJA11013	H	H		SI	S	C/NM	Y (4) Y (5)
G ACTY CCWS OUTLET	30KAB60CR002	30UJA11013	H	H		SI	S	C/NM	Y (4) Y (5)
T DNSTR CVCS HP CL1	30KAB60CT082	30UJA07016	H	H		SI	S	C/NM	Y (4) Y (5)
CIV *KBA*, RCP 3 & 4	30KAB70AA013	34UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)
ICI CK-V COM 2B	30KAB70AA014	30UJA11015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V UPSTR KBA12 AC001	30KAB70AA015	30UJA11016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V DNSTR KBA12 AC001	30KAB70AA017	30UJA11016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
CIV *KBA*, RCP 3 & 4	30KAB70AA018	30UJA11016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
CIV *KBA*, RCP 3 & 4	30KAB70AA019	34UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)
C-V KBA12 AC001	30KAB70AA116	30UJA11016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
RL-V CVCS HP CLR KBA12AC001	30KAB70AA191	30UJA11016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
RL-V CONT PEN JMQ60 BQ408	30KAB70AA194	30UJA11016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB70AA014	30KAB70AA251	30UJA11015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB70AA014	30KAB70AA252	30UJA11015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB70AA018	30KAB70AA255	30UJA11016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
TST C-V KAB70AA018	30KAB70AA256	30UJA11016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB70 CF050	30KAB70AA301	30UJA07016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB70 CF050	30KAB70AA302	30UJA07016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
V F KAB70 CF081	30KAB70AA303	34UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)
V F KAB70 CF081	30KAB70AA304	34UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)
D-V SUP COM2B C	30KAB70AA401	30UJA11015	H	H	ES	SI	S	C/NM	Y (4) Y (5)
D-V RETN CVCS HP2	30KAB70AA403	30UJA11016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
D-V RET COM2B C	30KAB70AA404	30UJA11016	H	H	ES	SI	S	C/NM	Y (4) Y (5)
D-V RETN COM1B ORB	30KAB70AA405	34UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)
D-V40 SUP COM1B C	30KAB70AA406	34UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)
V-V40 RETN COM1B C	30KAB70AA501	34UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)
V-V40 RETN COM1B IC	30KAB70AA502	34UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)
F DNSTR CVCS HP CL2	30KAB70CF050	30UJA11016	H	H		SI	S	C/NM	Y (4) Y (5)
F CLASS COM2B	30KAB70CF081	34UJH10004	M	H		SI	S	C/NM	Y (3) Y (5)
G ACTY CCWS INLET	30KAB70CR001	30UJA11016	H	H		SI	S	C/NM	Y (4) Y (5)
G ACTY CCWS OUTLET	30KAB70CR002	30UJA11016	H	H		SI	S	C/NM	Y (4) Y (5)
T DNSTR CVCS HP CL2	30KAB70CT082	30UJA11016	H	H		SI	S	C/NM	Y (4) Y (5)
V 1 UPSTR *QN* USERS	30KAB80AA015	31UJH10004	M	H	ES	SI	S	C/NM	Y (3) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 73 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
V 2 UPSTR *QN* USERS	30KAB80AA016	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V DNSTR *QN* USERS	30KAB80AA019	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
CK-V RTEN COM 1B NC	30KAB80AA020	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB80 CF060	30KAB80AA314	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB80 CF060	30KAB80AA315	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB80 CF061	30KAB80AA316	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V F KAB80 CF061	30KAB80AA317	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V SUP COM1B NC	30KAB80AA403	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V RETN COM1B NC	30KAB80AA406	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
D-V RETN COM1B NC	30KAB80AA407	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V SUP COM1B NC	30KAB80AA501	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
V-V RETN COM1B NC	30KAB80AA504	31UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
F UPSTR QNA21 AC002	30KAB80CF060	31UJH10004	M	H		SI	S	C/NM	Y (3)	Y (5)
F DNSTR KAB80 CHIL	30KAB80CF061	31UJH10004	M	H		SI	S	C/NM	Y (3)	Y (5)
<b>Essential Service Water System (ESWS)</b>										
CCW HX Inlet Isolation Vlv	30PEB10AA007	31UJH05026	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX Outlet Isolation Vlv	30PEB10AA009	31UJH05026	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX Tube Side Thermal Relief Vlv	30PEB10AA192	31UJH05026	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX Inlet Side DP Root Vlv	30PEB10AA306	31UJH10026	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX Outlet Side DP Root Vlv	30PEB10AA307	31UJH10026	M	H		SI	S	C/NM	Y (3)	Y (5)
ESW Drain Isolation Vlv	30PEB10AA401	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
ESW Drain Isolation Vlv	30PEB10AA402	31UJH10026	M	H		SI	S	C/NM	Y (3)	Y (5)
ESW Drain Isolation Vlv	30PEB10AA403	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
ESW Drain Isolation Vlv	30PEB10AA405	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
ESW Drain Isolation Vlv	30PEB10AA407	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
ESW Drain Isolation Vlv	30PEB10AA408	31UJH01026	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX Tube Side Vent Vlv	30PEB10AA508	31UJH10026	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX Tube Side Vent Vlv	30PEB10AA509	31UJH10026	M	H		SI	S	C/NM	Y (3)	Y (5)
Orifice Plate	30PEB10BP002	31UJH05026	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX DP Measurement	30PEB10CP004	31UJH05026	M	H		SI	S			Y (5)
CCW HX Outlet Temp Measurement	30PEB10CT002	31UJH05026	M	H		SI	S			Y (5)
CCW HX Inlet Isolation Vlv	30PEB20AA007	32UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX Outlet Isolation Vlv	30PEB20AA009	32UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX Tube Side Thermal Relief Vlv	30PEB20AA192	32UJH05020	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX Inlet Side DP Root Vlv	30PEB20AA306	32UJH10020	M	H		SI	S	C/NM	Y (3)	Y (5)
CCW HX Outlet Side DP Root Vlv	30PEB20AA307	32UJH10020	M	H		SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 74 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
ESW Drain Isolation Vlv	30PEB20AA401	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB20AA402	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB20AA403	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB20AA405	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB20AA407	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB20AA408	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Tube Side Vent Vlv	30PEB20AA508	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Tube Side Vent Vlv	30PEB20AA509	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
Orifice Plate	30PEB20BP002	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX DP Measurement	30PEB20CP004	32UJH05020	M	H	SI S		Y (5)
CCW HX Outlet Temp Measurement	30PEB20CT002	32UJH05020	M	H	SI S		Y (5)
EDG HXs Inlet Isolation Vlv	30PEB21AA001	31UBP01001	M	M	SI S	C/NM	Y (5)
EDG HXs Outlet Isolation Vlv	30PEB21AA002	31UBP01001	M	M	SI S	C/NM	Y (5)
EDG Water Jacket HX Air Release Vlv	30PEB21AA195	31UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Thermal Relief Vlv	30PEB21AA196	31UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB21AA301	31UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB21AA302	31UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB21AA303	31UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB21AA304	31UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB21AA401	31UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB21AA402	31UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB21AA403	31UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB21AA404	31UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB21AA501	31UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB21AA502	31UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB21AA503	31UBP01001	M	M	SI S	C/NM	Y (5)
Orifice Plate	30PEB21BP003	31UBP01001	M	M	SI S	C/NM	Y (5)
EDG HXs Outlet Flow Measurement	30PEB21CF001	31UBP01001	M	M	ES PAM SI S		Y (5)
ESW Pressure Measurement	30PEB21CP201	31UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB21CP202	31UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB21CP203	31UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB21CP204	31UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB21CT201	31UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB21CT202	31UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB21CT203	31UBP01001	M	M	SI S		Y (5)
EDG HXs Inlet Isolation Vlv	30PEB22AA001	32UBP01001	M	M	SI S	C/NM	Y (5)
EDG HXs Outlet Isolation Vlv	30PEB22AA002	32UBP01001	M	M	SI S	C/NM	Y (5)
EDG Water Jacket HX Air Release Vlv	30PEB22AA195	32UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Thermal Relief Vlv	30PEB22AA196	32UBP01001	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 75 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
ESW Pressure Measurement Root Vlv	30PEB22AA301	32UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB22AA302	32UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB22AA303	32UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB22AA304	32UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB22AA401	32UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB22AA402	32UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB22AA403	32UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB22AA404	32UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB22AA501	32UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB22AA502	32UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB22AA503	32UBP01001	M	M	SI S	C/NM	Y (5)
Orifice Plate	30PEB22BP003	32UBP01001	M	M	SI S	C/NM	Y (5)
EDG HXs Outlet Flow Measurement	30PEB22CF001	32UBP01001	M	M	ES PAM SI S		Y (5)
ESW Pressure Measurement	30PEB22CP201	32UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB22CP202	32UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB22CP203	32UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB22CP204	32UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB22CT201	32UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB22CT202	32UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB22CT203	32UBP01001	M	M	SI S		Y (5)
EDG HXs Inlet Isolation Vlv	30PEB23AA001	33UBP01001	M	M	SI S	C/NM	Y (5)
EDG HXs Outlet Isolation Vlv	30PEB23AA002	33UBP01001	M	M	SI S	C/NM	Y (5)
EDG Water Jacket HX Air Release Vlv	30PEB23AA195	33UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Thermal Relief Vlv	30PEB23AA196	33UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB23AA301	33UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB23AA302	33UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB23AA303	33UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB23AA304	33UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB23AA401	33UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB23AA402	33UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB23AA403	33UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB23AA404	33UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB23AA501	33UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB23AA502	33UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB23AA503	33UBP01001	M	M	SI S	C/NM	Y (5)
Orifice Plate	30PEB23BP003	33UBP01001	M	M	SI S	C/NM	Y (5)
EDG HXs Outlet Flow Measurement	30PEB23CF001	33UBP01001	M	M	ES PAM SI S		Y (5)
ESW Pressure Measurement	30PEB23CP201	33UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB23CP202	33UBP01001	M	M	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 76 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
ESW Pressure Measurement	30PEB23CP203	33UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB23CP204	33UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB23CT201	33UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB23CT202	33UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB23CT203	33UBP01001	M	M	SI S		Y (5)
EDG HXs Inlet Isolation Vlv	30PEB24AA001	34UBP01001	M	M	SI S	C/NM	Y (5)
EDG HXs Outlet Isolation Vlv	30PEB24AA002	34UBP01001	M	M	SI S	C/NM	Y (5)
EDG Water Jacket HX Air Release Vlv	30PEB24AA195	34UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Thermal Relief Vlv	30PEB24AA196	34UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB24AA301	34UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB24AA302	34UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB24AA303	34UBP01001	M	M	SI S	C/NM	Y (5)
ESW Pressure Measurement Root Vlv	30PEB24AA304	34UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB24AA401	34UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB24AA402	34UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB24AA403	34UBP01001	M	M	SI S	C/NM	Y (5)
ESW Drain Isolation Vlv	30PEB24AA404	34UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB24AA501	34UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB24AA502	34UBP01001	M	M	SI S	C/NM	Y (5)
EDG HX Tube Side Vent Vlv	30PEB24AA503	34UBP01001	M	M	SI S	C/NM	Y (5)
Orifice Plate	30PEB24BP003	34UBP01001	M	M	SI S	C/NM	Y (5)
EDG HXs Outlet Flow Measurement	30PEB24CF001	34UBP01001	M	M	ES PAM SI S		Y (5)
ESW Pressure Measurement	30PEB24CP201	34UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB24CP202	34UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB24CP203	34UBP01001	M	M	SI S		Y (5)
ESW Pressure Measurement	30PEB24CP204	34UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB24CT201	34UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB24CT202	34UBP01001	M	M	SI S		Y (5)
EDG HX Outlet Temp Measurement	30PEB24CT203	34UBP01001	M	M	SI S		Y (5)
CCW HX Inlet Isolation Vlv	30PEB30AA007	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Outlet Isolation Vlv	30PEB30AA009	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Tube Side Thermal Relief Vlv	30PEB30AA192	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Inlet Side DP Root Vlv	30PEB30AA306	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Outlet Side DP Root Vlv	30PEB30AA307	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB30AA401	33UJH01038	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB30AA402	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB30AA403	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB30AA405	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB30AA407	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 77 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
ESW Drain Isolation Vlv	30PEB30AA408	33UJH01038	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Tube Side Vent Vlv	30PEB30AA508	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Tube Side Vent Vlv	30PEB30AA509	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
Orifice Plate	30PEB30BP002	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX DP Measurement	30PEB30CP004	33UJH05020	M	H	SI S		Y (5)
CCW HX Outlet Temp Measurement	30PEB30CT002	33UJH05020	M	H	SI S		Y (5)
CCW HX Inlet Isolation Vlv	30PEB40AA007	34UJH05026	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Outlet Isolation Vlv	30PEB40AA009	34UJH05026	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Tube Side Thermal Relief Vlv	30PEB40AA192	34UJH05026	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Inlet Side DP Root Vlv	30PEB40AA306	34UJH10026	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Outlet Side DP Root Vlv	30PEB40AA307	34UJH10026	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB40AA401	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB40AA402	34UJH10026	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB40AA403	34UJH05026	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB40AA405	34UJH05026	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB40AA407	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB40AA408	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Tube Side Vent Vlv	30PEB40AA508	34UJH10026	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX Tube Side Vent Vlv	30PEB40AA509	34UJH10026	M	H	SI S	C/NM	Y (3) Y (5)
Orifice Plate	30PEB40BP002	34UJH05026	M	H	SI S	C/NM	Y (3) Y (5)
CCW HX DP Measurement	30PEB40CP004	34UJH05026	M	H	SI S		Y (5)
CCW HX Outlet Temp Measurement	30PEB40CT002	34UJH05026	M	H	SI S		Y (5)
CCW HX Outlet Isolation Vlv	30PEB80AA004	34UJH05026	M	H	SI S	C/NM	Y (3) Y (5)
ESW Drain Isolation Vlv	30PEB80AA405	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
<b>Safety Chilled Water System (SCWS)</b>							
QK Tank Isol Valve, Div 1	30QKA10AA001	31UJK26029	M	M	SI S	C/NM	Y (5)
QK Pmp #1 Suct Isol Valve, Div 1	30QKA10AA002	31UJK22028	M	M	SI S	C/NM	Y (5)
QK Pmp #1 Disch Check Valve, Div 1	30QKA10AA003	31UJK22028	M	M	SI S		Y (5)
QK Pmp #1 Disch Isol Valve, Div 1	30QKA10AA004	31UJK22028	M	M	SI S	C/NM	Y (5)
QK Chiller Dnstrm Flow Reg Valve, Div 1	30QKA10AA005	31UJK22028	M	M	SI S	C/NM	Y (5)
QK Chiller Dnstrm Isol Valve, Div 1	30QKA10AA006	31UJK22028	M	M	SI S	C/NM	Y (5)
QKA10AT001 Upstrm Isol Valve, Div 1	30QKA10AA007	31UJK26029	M	M	SI S	C/NM	Y (5)
QKA10AT001 Dnstrm Flow Reg Valve, Div 1	30QKA10AA008	31UJK26029	M	M	SI S	C/NM	Y (5)
QKA10AT001 Dnstrm Isol Valve, Div 1	30QKA10AA009	31UJK26029	M	M	SI S	C/NM	Y (5)
QK QCB Isol Valve, Div 1	30QKA10AA010	31UJK22028	M	M	SI S	C/NM	Y (5)
QK QCB Check Valve, Div 1	30QKA10AA011	31UJK22028	M	M	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 78 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
QK Bypass Control Valve-MOV, Div 1	30QKA10AA101	31UJK26029	M	M	ES SI S	C/NM	Y (5)
QK System Press Relief Valve, Div 1	30QKA10AA191	31UJK26029	M	M	ES SI S	C/NM	Y (5)
QKA CP501 Root Valve, Div 1	30QKA10AA301	31UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP502 Root Valve, Div 1	30QKA10AA302	31UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP001 Root Valve, Div 1	30QKA10AA303	31UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP002 Root Valve, Div 1	30QKA10AA304	31UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP505 Root Valve, Div 1	30QKA10AA305	31UJK22028	M	M	SI S	C/NM	Y (5)
QKA CP506 Root Valve, Div 1	30QKA10AA306	31UJK22028	M	M	SI S	C/NM	Y (5)
QKA CP507 Root Valve, Div 1	30QKA10AA307	31UJK22028	M	M	SI S	C/NM	Y (5)
QKA CP508 Root Valve, Div 1	30QKA10AA308	31UJK22028	M	M	SI S	C/NM	Y (5)
QKA Chiller Upstrm CP008 Root Vlv, Div 1	30QKA10AA309	31UJK22028	M	M	SI S	C/NM	Y (5)
QKA Chiller Dnstrm CP008 Root Vlv, Div 1	30QKA10AA310	31UJK22028	M	M	SI S	C/NM	Y (5)
QKA CP511 Root Valve, Div 1	30QKA10AA311	31UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP512 Root Valve, Div 1	30QKA10AA312	31UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP513 Root Valve, Div 1	30QKA10AA315	31UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP514 Root Valve, Div 1	30QKA10AA316	31UJK26029	M	M	SI S	C/NM	Y (5)
QKA10BR111 Drain Valve, Div 1	30QKA10AA401	31UJK22028	M	M	SI S	C/NM	Y (5)
QKA10BR108 Drain Valve, Div 1	30QKA10AA402	31UJK22028	M	M	SI S	C/NM	Y (5)
QKA10BR110 Drain Valve, Div 1	30QKA10AA403	31UJK22028	M	M	SI S	C/NM	Y (5)
QK Chiller Upstrm Vent Valve, Div 1	30QKA10AA501	31UJK22028	M	M	SI S	C/NM	Y (5)
QKA10AT001 Upstrm Vent Valve, Div 1	30QKA10AA502	31UJK26029	M	M	SI S	C/NM	Y (5)
QK Sample Isol Valve, Div 1	30QKA10AA609	31UJK22028	M	M	SI S	C/NM	Y (5)
Safety Chilled Water Evaporator, Div 1	30QKA10AC001	31UJK22028	M	M	ES SI S	C/NM	Y (5)
Safety Chilled Water Condenser, Div 1	30QKA10AC002	31UJK31032	M	M	ES SI S	C/NM	Y (5)
Safety Chilled Water Pump #1, Div 1	30QKA10AP107	31UJK22028	M	M	ES SI S	C/NM	Y (5)
Safety Chilled Screen for Bypass, Div 1	30QKA10AT001	31UJK26029	M	M	SI S	C/NM	Y (5)
Safety Chilled Water Exp Tank, Div 1	30QKA10BB101	31UJK26029	M	M	ES SI S	C/NM	Y (5)
QK Tank Isol Valve, Div 2	30QKA20AA001	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK Pmp #1 Suct Isol Valve, Div 2	30QKA20AA002	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK Pmp #1 Disch Check Valve, Div 2	30QKA20AA003	32UJH05020	M	H	SI S		Y (5)
QK Pmp #1 Disch Isol Valve, Div 2	30QKA20AA004	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK Chiller Dnstrm Flow Reg Valve, Div 2	30QKA20AA005	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QK Chiller Dnstrm Isol Valve, Div 2	30QKA20AA006	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA20AT001 Upstrm Isol Valve, Div 2	30QKA20AA007	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA20AT001 Dnstrm Flow Reg Valve, Div 2	30QKA20AA008	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA20AT001 Dnstrm Isol Valve, Div 2	30QKA20AA009	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK QCB Isol Valve, Div 2	30QKA20AA010	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK QCB Check Valve, Div 2	30QKA20AA011	32UJH05020	M	H	SI S		Y (5)
QK Bypass Control Valve-MOV, Div 2	30QKA20AA101	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 79 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
QK System Press Relief Valve, Div 2	30QKA20AA191	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
QKA CP501 Root Valve, Div 2	30QKA20AA301	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP502 Root Valve, Div 2	30QKA20AA302	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP001 Root Valve, Div 2	30QKA20AA303	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP002 Root Valve, Div 2	30QKA20AA304	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP505 Root Valve, Div 2	30QKA20AA305	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP506 Root Valve, Div 2	30QKA20AA306	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP507 Root Valve, Div 2	30QKA20AA307	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP508 Root Valve, Div 2	30QKA20AA308	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP008 Upstrm Root Valve, Div 2	30QKA20AA309	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP0008 Dnstrm Root Valve, Div 2	30QKA20AA310	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP511 Root Valve, Div 2	30QKA20AA311	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP512 Root Valve, Dov 2	30QKA20AA312	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP513 Root Valve, Div 2	30QKA20AA315	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP514 Root Valve, Div 2	30QKA20AA316	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA20BR003 Drain Valve, Div 2	30QKA20AA401	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
QKA20BR110 Drain Valve, Div 2	30QKA20AA402	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA20BR002 Drain Valve, Div 2	30QKA20AA403	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA20BR114 Drain Valve, Div 2	30QKA20AA404	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA20BR108 Drain Valve, Div 2	30QKA20AA501	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QK Sample Isol Valve, Div 2	30QKA20AA609	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
Safety Chilled Water Evaporator, Div 2	30QKA20AC001	32UJH10020	M	H	ES SI S	C/NM	Y (3) Y (5)
Safety Chilled Water Condenser, Div 2	30QKA20AC002	32UJH10020	M	H	ES SI S	C/NM	Y (3) Y (5)
Safety Chilled Water Pump #1, Div 2	30QKA20AP107	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
Safety Chilled Screen for Bypass, Div 2	30QKA20AT001	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
Safety Chilled Water Exp Tank, Div 2	30QKA20BB101	32UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
QK Tank Isol Valve, Div 3	30QKA30AA001	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK Pmp #1 Suct Isol Valv, Div 3	30QKA30AA002	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK Pmp #1 Disch Check Valve, Div 3	30QKA30AA003	33UJH05020	M	H	SI S		Y (5)
QK Pmp #1 Disch Isol Valve, Div 3	30QKA30AA004	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK Chiller Dnstrm Flow Reg Valve, Div 3	30QKA30AA005	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QK Chiller Dnstrm Isol Valve, Div 3	30QKA30AA006	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA30AT001 Upstrm Isol Valve, Div 3	30QKA30AA007	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA30AT001 Dnstrm Flow Reg Valve, Div 3	30QKA30AA008	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA30AT001 Dnstrm Isol Valve, Div 3	30QKA30AA009	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK QCB Isol Valve, Div 3	30QKA30AA010	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK QCB Check Valve, Div 3	30QKA30AA011	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QK Bypass Control Valve-MOV, Div 3	30QKA30AA101	33UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
QK System Press Relief Valve, Div 3	30QKA30AA191	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 80 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
QKA CP501 Root Valve, Div 3	30QKA30AA301	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP502 Root Valve, Div 3	30QKA30AA302	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP001 Root Valve, Div 3	30QKA30AA303	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP002 Root Valve, Div 2	30QKA30AA304	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP505 Root Valve, Div 3	30QKA30AA305	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP506 Root Valve, Div 3	30QKA30AA306	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP507 Root Valve, Div 3	30QKA30AA307	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP508 Root Valve, Div 3	30QKA30AA308	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP008 Upstrm Root Valve, Div 3	30QKA30AA309	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP008 Dnstrm Root Valve, Div 3	30QKA30AA310	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP511 Root Valve, Div 3	30QKA30AA311	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP512 Root Valve, Div 3	30QKA30AA312	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP5513 Root Valve, Div 3	30QKA30AA315	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA CP514 Root Valve, Div 3	30QKA30AA316	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA30BR003 Drain Valve, Div 3	30QKA30AA401	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
QKA30BR002 Drain Valve, Div 3	30QKA30AA402	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKA30BR108 Drain Valve, Div 3	30QKA30AA403	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA30BR110 Drain Valve, Div 3	30QKA30AA404	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKA30BR114 Drain Valve, Div 3	30QKA30AA405	30UFA01001	M	H	SI S	C/NM	Y (3) Y (5)
QKA30BR108 Vent Valve, Div 3	30QKA30AA501	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
QKB30BR112 Vent Valve, Div 3	30QKA30AA503	33UJK31035	M	M	SI S	C/NM	Y (3) Y (5)
QK Sample Isol Valve, Div 2	30QKA30AA609	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
Safety Chilled Water Evaporator, Div 3	30QKA30AC001	33UJH10020	M	H	ES SI S	C/NM	Y (3) Y (5)
Safety Chilled Water Condenser, Div 3	30QKA30AC002	33UJH10020	M	H	ES SI S	C/NM	Y (3) Y (5)
Safety Chilled Water Pump #1, Div 3	30QKA30AP107	33UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
Safety Chilled Screen for Bypass, Div 3	30QKA30AT001	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
Safety Chilled Water Exp Tank, Div 3	30QKA30BB101	33UJH05020	M	H	ES SI S	C/NM	Y (3) Y (5)
QK Tank Isol Valve, Div 4	30QKA40AA001	34UJK26029	M	M	SI S	C/NM	Y (3) Y (5)
QK Pmp #1 Suct Isol Valve, Div 4	30QKA40AA002	34UJK22028	M	M	SI S	C/NM	Y (3) Y (5)
QK Pmp #1 Disch Check Valve, Div 4	30QKA40AA003	34UJK22028	M	M	SI S	C/NM	Y (3) Y (5)
QK Pmp #1 Disch Isol Valve, Div 4	30QKA40AA004	34UJK22028	M	M	SI S	C/NM	Y (3) Y (5)
QK Chiller Dnstrm Flow Reg Valve, Div 4	30QKA40AA005	34UJK22028	M	M	SI S	C/NM	Y (3) Y (5)
QK Chiller Dnstrm Isol Valve, Div 4	30QKA40AA006	34UJK22028	M	M	SI S	C/NM	Y (3) Y (5)
QKA40AT001 Upstrm Isol Valve, Div 4	30QKA40AA007	34UJK26029	M	M	SI S	C/NM	Y (3) Y (5)
QKA40AT001 Dnstrm Flow Reg Valve, Div 4	30QKA40AA008	34UJK26029	M	M	SI S	C/NM	Y (3) Y (5)
QKA40AT001 Dnstrm Isol Valve, Div 4	30QKA40AA009	34UJK26029	M	M	SI S	C/NM	Y (3) Y (5)
QK QCB Isol Valve, Div 4	30QKA40AA010	34UJK22028	M	M	SI S	C/NM	Y (3) Y (5)
QK QCB Check Valve, Div 4	30QKA40AA011	34UJK22028	M	M	SI S	C/NM	Y (3) Y (5)
QK Bypass Control Valve-MOV, Div 4	30QKA40AA101	34UJK26029	M	M	ES SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 81 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
QK System Press Relief Valve, Div 4	30QKA40AA191	34UJK26029	M	M	ES SI S	C/NM	Y (5)
QKA CP501 Root Valve, Div 4	30QKA40AA301	34UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP502 Root Valve, Div 4	30QKA40AA302	34UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP001 Root Valve, Div 4	30QKA40AA303	34UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP002 Root Valve, Div 4	30QKA40AA304	34UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP505 Root Valve, Div 4	30QKA40AA305	34UJK22028	M	M	SI S	C/NM	Y (5)
QKA CP506 Root Valve, Div 4	30QKA40AA306	34UJK22028	M	M	SI S	C/NM	Y (5)
QKA CP507 Root Valve, Div 4	30QKA40AA307	34UJK22028	M	M	SI S	C/NM	Y (5)
QKA CP508 Root Valve, Div 4	30QKA40AA308	34UJK22028	M	M	SI S	C/NM	Y (5)
QKA CP008 Upstrm Root Valve, Div 4	30QKA40AA309	34UJK22028	M	M	SI S	C/NM	Y (5)
QKA CP008 Dnstrm Root Valve, Div 4	30QKA40AA310	34UJK22028	M	M	SI S	C/NM	Y (5)
QKA CP511 Root Valve, Div 4	30QKA40AA311	34UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP512 Root Valve, Div 4	30QKA40AA312	34UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP513 Root Valve, Div 4	30QKA40AA315	34UJK26029	M	M	SI S	C/NM	Y (5)
QKA CP514 Root Valve, Div 4	30QKA40AA316	34UJK26029	M	M	SI S	C/NM	Y (5)
QKA40BR111 Drain Valve, Div 4	30QKA40AA401	34UJK22028	M	M	SI S	C/NM	Y (5)
QKA40BR108 Drain Valve, Div 4	30QKA40AA407	34UJK22028	M	M	SI S	C/NM	Y (5)
QK Sample Isol Valve, Div 4	30QKA40AA609	34UJK22028	M	M	SI S	C/NM	Y (5)
Safety Chilled Water Evaporator, Div 4	30QKA40AC001	34UJK22028	M	M	ES SI S	C/NM	Y (5)
Safety Chilled Water Condenser, Div 4	30QKA40AC002	34UJK31032	M	H	ES SI S	C/NM	Y (3) Y (5)
Safety Chilled Water Pump #1, Div 4	30QKA40AP107	34UJK22028	M	M	ES SI S	C/NM	Y (5)
Safety Chilled Screen for Bypass, Div 4	30QKA40AT001	34UJK26029	M	M	SI S	C/NM	Y (5)
Safety Chilled Water Exp Tank, Div 4	30QKA40BB101	34UJK26029	M	M	ES SI S	C/NM	Y (5)
SAB01AC001 Upstrm Isol Valve, Div 1	30QKB10AA001	32UJK31034	M	M	SI S	C/NM	Y (5)
SAB01AC001 Dnstrm Flow Reg Vlv, Div 1	30QKB10AA002	32UJK31034	M	M	SI S	C/NM	Y (5)
SAB01AC001 Dnstrm Isol Valve, Div 1	30QKB10AA004	32UJK31034	M	M	SI S	C/NM	Y (5)
SAB01AC001 Control Valve-MOV, Div 1	30QKB10AA101	32UJK31034	M	M	ES SI S	C/NM	Y (5)
QKB CP501 Root Valve, Div 1	30QKB10AA301	32UJK31034	M	M	SI S	C/NM	Y (5)
QKB CP502 Root Valve, Div 1	30QKB10AA302	32UJK31034	M	M	SI S	C/NM	Y (5)
QKB CP503 Root Valve, Div 1	30QKB10AA303	32UJK31034	M	M	SI S	C/NM	Y (5)
QKB CP504 Root Valve, Div 1	30QKB10AA304	32UJK31034	M	M	SI S	C/NM	Y (5)
QKB CP505 Root Valve, Div 1	30QKB10AA305	32UJK31034	M	M	SI S	C/NM	Y (5)
QKB10BR113 Drain Valve, Div 1	30QKB10AA401	32UJK31034	M	M	SI S	C/NM	Y (5)
SAB01AC001 Upstrm Vent Valve, Div 1	30QKB10AA501	32UJK31034	M	M	SI S	C/NM	Y (5)
QKB10AA001 Upstrm Vent Valve, Div 1	30QKB10AA502	31UJK22024	M	M	SI S	C/NM	Y (5)
QKB10AT001 Dnstrm Vent Valve, Div 1	30QKB10AA503	31UJK22024	M	M	SI S	C/NM	Y (5)
Safety Chilled Screen for SAB01, Div 1	30QKB10AT001	31UJK26029	M	M	SI S	C/NM	Y (5)
SAB02AC001 Upstrm Isol Valve, Div 2	30QKB20AA001	32UJK31035	M	M	SI S	C/NM	Y (5)
SAB02AC001 Flow Reg Valve, Div 2	30QKB20AA002	32UJK31035	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 82 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
SAB02AC001 Dnstrm Isol Valve, Div 2	30QKB20AA004	32UJK31035	M	M	SI S	C/NM	Y (5)
SAB02AC001 Control Valve-MOV, Div 2	30QKB20AA101	32UJK31035	M	M	ES SI S	C/NM	Y (5)
QKB CP501 Root Valve, Div 2	30QKB20AA301	32UJK31035	M	M	SI S	C/NM	Y (5)
QKB CP502 Root Valve, Div 2	30QKB20AA302	32UJK31035	M	M	SI S	C/NM	Y (5)
QKB CP503 Root Valve, Div 2	30QKB20AA303	32UJK31035	M	M	SI S	C/NM	Y (5)
QKB CP504 Root Valve, Div 2	30QKB20AA304	32UJK31035	M	M	SI S	C/NM	Y (5)
QKB CP505 Root Valve, Div 2	30QKB20AA305	32UJK31035	M	M	SI S	C/NM	Y (5)
QKB20BR113 Drain Valve, Div 2	30QKB20AA401	32UJK31035	M	M	SI S	C/NM	Y (5)
QKB20BR112 Drain Valve, Div 2	30QKB20AA402	32UJK31035	M	M	SI S	C/NM	Y (5)
QKB20BR112 Vent Valve, Div 2	30QKB20AA501	32UJK31018	M	M	SI S	C/NM	Y (5)
QKB20BR114 Vent Valve, Div 2	30QKB20AA502	32UJK31018	M	M	SI S	C/NM	Y (5)
Safety Chilled Screen for SAB02, Div 2	30QKB20AT001	32UJK31035	M	M	SI S	C/NM	Y (5)
SAB03AC001 Upstrm Isol Valve, Div 3	30QKB30AA001	33UJK31035	M	M	SI S	C/NM	Y (5)
SAB03AC001 Flow Reg Valve, Div 3	30QKB30AA002	33UJK31035	M	M	SI S	C/NM	Y (5)
SAB03AC001 Dnstrm Isol Valve, Div 3	30QKB30AA004	33UJK31035	M	M	SI S	C/NM	Y (5)
SAB03AC001 Control Valve-MOV, Div 3	30QKB30AA101	33UJK31035	M	M	ES SI S	C/NM	Y (5)
QKB CP501 Root Valve, Div 3	30QKB30AA301	33UJK31035	M	M	SI S	C/NM	Y (5)
QKB CP502 Root Valve, Div 3	30QKB30AA302	33UJK31035	M	M	SI S	C/NM	Y (5)
QKB CP503 Root Valve, Div 3	30QKB30AA303	33UJK31035	M	M	SI S	C/NM	Y (5)
QKB CP504 Root Valve, Div 3	30QKB30AA304	33UJK31035	M	M	SI S	C/NM	Y (5)
QKB CP505 Root Valve, Div 3	30QKB30AA305	33UJK31035	M	M	SI S	C/NM	Y (5)
QKB30BR113 Drain Valve, Div 3	30QKB30AA401	33UJK31035	M	M	SI S	C/NM	Y (5)
QKB30BR112 Vent Valve, Div 3	30QKB30AA501	33UJK31035	M	M	SI S	C/NM	Y (5)
QKB30BR114 Vent Valve, Div 3	30QKB30AA502	33UJK31035	M	M	SI S	C/NM	Y (5)
Safety Chilled Screen for SAB03, Div 3	30QKB30AT001	33UJK31035	M	H	SI S	C/NM	Y (3) Y (5)
SAB04AC001 Upstrm Isol Valve, Div 4	30QKB40AA001	33UJK31034	M	M	SI S	C/NM	Y (5)
SAB04AC001 Dnstrm Flow Reg Valve, Div 4	30QKB40AA002	33UJK31034	M	M	SI S	C/NM	Y (5)
SAB04AC001 Dnstrm Isol Valve, Div 4	30QKB40AA004	33UJK31034	M	M	SI S	C/NM	Y (5)
SAB04AC001 Control Valve-MOV, Div 4	30QKB40AA101	33UJK31034	M	M	ES SI S	C/NM	Y (5)
QKB CP501 Root Valve, Div 4	30QKB40AA301	33UJK31034	M	M	SI S	C/NM	Y (5)
QKB CP502 Root Valve, Div 4	30QKB40AA302	33UJK31034	M	M	SI S	C/NM	Y (5)
QKB CP503 Root Valve, Div 4	30QKB40AA303	33UJK31034	M	M	SI S	C/NM	Y (5)
QKB CP504 Root Valve, Div 4	30QKB40AA304	33UJK31034	M	M	SI S	C/NM	Y (5)
QKB CP505 Root Valve, Div 4	30QKB40AA305	33UJK31034	M	M	SI S	C/NM	Y (5)
QKB20BR113 Drain Valve, Div 2	30QKB40AA401	33UJK31034	M	M	SI S	C/NM	Y (5)
QKB40BR112 Drain Valve, Div 4	30QKB40AA402	33UJK31034	M	M	SI S	C/NM	Y (5)
QKB40BR112 Vent Valve, Div 4	30QKB40AA501	33UJK31034	M	M	SI S	C/NM	Y (5)
QKB40BR115 Vent Valve, Div 4	30QKB40AA502	34UJK22024	M	M	SI S	C/NM	Y (5)
QKB40BR116 Vent Valve, Div 4	30QKB40AA503	34UJK22024	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 83 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Safety Chilled Screen for SAB04, Div 4	30QKB40AT001	33UJK31034	M	M	SI S	C/NM	Y (5)
SAC01AC001 Upstrm Isol Valve, Div 1	30QKC10AA001	31UJK22028	M	M	SI S	C/NM	Y (5)
SAC01AC001 Dnstrm Flow Reg Vlv, Div 1	30QKC10AA002	31UJK26029	M	M	SI S	C/NM	Y (5)
SAC01AC001 Dnstrm Isol Valve, Div 1	30QKC10AA003	31UJK26029	M	M	SI S	C/NM	Y (5)
SAC61AC001 Upstrm Isol Valve, Div 1	30QKC10AA004	31UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC61AC001 Dnstrm Flow Reg Valve, Div 1	30QKC10AA005	31UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC61AC001 Dnstrm Isol Valve, Div 1	30QKC10AA006	31UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC61AC002 Upstrm Isol Valve, Div 1	30QKC10AA008	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
SAC61AC002 Dnstrm Flow Reg Valve, Div 1	30QKC10AA009	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
SAC61AC002 Dnstrm Isol Valve, Div 1	30QKC10AA010	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
KLC51AC001 Upstrm Isol Valve, Div 1	30QKC10AA011	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC51AC001 Dnstrm Flow Reg Valve, Div 1	30QKC10AA012	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC51AC001 Dnstrm Isol Valve, Div 1	30QKC10AA013	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC51AC003 Upstrm Isol Valve, Div 1	30QKC10AA014	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
KLC51AC003 Dnstrm Flow Reg Valve, Div 1	30QKC10AA015	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
KLC51AC003 Dnstrm Isol Valve, Div 1	30QKC10AA016	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
KLC51AC002 Upstrm Isol Valve, Div 1	30QKC10AA017	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC51AC002 Dnstrm Flow Reg Valve, Div 1	30QKC10AA018	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC51AC002 Dnstrm Isol Valve, Div 1	30QKC10AA019	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
JNG10AP001 Dnstrm Isol Valve, Div 1	30QKC10AA020	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
JNG10AP001 Upstrm Isol Valve, Div 1	30QKC10AA021	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
JNG10AP001 Dnstrm Flow Reg Valve, Div 1	30QKC10AA022	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Pmp Upstrm Control Valve-MOV, Div 1	30QKC10AA025	31UJH01001	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Pmp Mtr Dnstrm Flow Reg Vlv, Div 1	30QKC10AA026	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Pmp Seal Dnstrm Flow Reg Vlv, Div 1	30QKC10AA027	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Pmp Seal Dnstrm Check Vlv, Div 1	30QKC10AA028	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
SAC01AC001 Control Valve-MOV, Div 1	30QKC10AA101	31UJK26029	M	M	ES SI S	C/NM	Y (5)
QKC CP501 Root Valve, Div 1	30QKC10AA301	31UJK22028	M	M	SI S	C/NM	Y (5)
QKC CP502 Root Valve, Div 1	30QKC10AA302	31UJK26029	M	M	SI S	C/NM	Y (5)
QKC CP503 Root Valve, Div 1	30QKC10AA303	31UJK26029	M	M	SI S	C/NM	Y (5)
QKC CP504 Root Valve, Div 1	30QKC10AA304	31UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP505 Root Valve, Div 1	30QKC10AA305	31UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP506 Root Valve, Div 1	30QKC10AA306	31UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP508 Root Valve, Div 1	30QKC10AA308	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP509 Root Valve, Div 1	30QKC10AA309	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP510 Root Valve, Div 1	30QKC10AA310	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP511 Root Valve, Div 1	30QKC10AA311	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP512 Root Valve, Div 1	30QKC10AA312	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP513 Root Valve, Div 1	30QKC10AA313	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 84 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
QKC CP519 Root Valve, Div 1	30QKC10AA319	31UJK26029	M	M	SI S	C/NM	Y (5)
QKC CP520 Root Valve, Div 1	30QKC10AA320	31UJK26029	M	M	SI S	C/NM	Y (5)
QKC CP521 Root Valve, Div 1	30QKC10AA321	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP522 Root Valve, Div 1	30QKC10AA322	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP523 Root Valve, Div 1	30QKC10AA323	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP524 Root Valve, Div 1	30QKC10AA324	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP525 Root Valve, Div 1	30QKC10AA325	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP526 Root Valve, Div 1	30QKC10AA326	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP527 Root Valve, Div 1	30QKC10AA327	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP528 Root Valve, Div 1	30QKC10AA328	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP529 Root Valve, Div 1	30QKC10AA329	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR002 Drain Valve, Div 1	30QKC10AA401	31UJK22028	M	M	SI S	C/NM	Y (5)
QKC10BR023 Drain Valve, Div 1	30QKC10AA402	31UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR009 Drain Valve, Div 1	30QKC10AA403	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR021 Drain Valve, Div 1	30QKC10AA404	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR017 Drain Valve, Div 1	30QKC10AA405	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR020 Drain Valve, Div 1	30QKC10AA407	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR018 Drain Valve, Div 1	30QKC10AA408	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR022 Drain Valve, Div 1	30QKC10AA409	31UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR010 Drain Valve, Div 1	30QKC10AA410	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR011 Drain Valve, Div 1	30QKC10AA411	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR004 Drain Valve, Div 1	30QKC10AA412	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR009 Drain Valve, Div 1	30QKC10AA413	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR005 Drain Valve, Div 1	30QKC10AA416	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
SAC01AC001 Upstrm Vent Valve, Div 1	30QKC10AA501	31UJK22028	M	M	SI S	C/NM	Y (5)
QKC10BR022 Vent Valve, Div 1	30QKC10AA502	31UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR008 Vent Valve, Div 1	30QKC10AA503	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR017 Vent Valve, Div 1	30QKC10AA505	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR018 Vent Valve, Div 1	30QKC10AA506	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR019 Vent Valve, Div 1	30QKC10AA507	31UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC10AT001 Upstrm Vent Valve, Div 1	30QKC10AA508	31UJK26029	M	M	SI S	C/NM	Y (5)
QKC10BR009 Vent Valve, Div 1	30QKC10AA509	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR005 Vent Valve, Div 1	30QKC10AA510	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR043 Vent Valve, Div 1	30QKC10AA520	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
Safety Chilled Screen for SAC01, Div 1	30QKC10AT001	31UJK26029	M	M	SI S	C/NM	Y (5)
SAC02AC001 Upstrm Isol Valve, Div 2	30QKC20AA001	32UJK31018	M	M	SI S	C/NM	Y (5)
SAC02AC001 Flow Reg Valve, Div 2	30QKC20AA002	32UJK31018	M	M	SI S	C/NM	Y (5)
SAC02AC001 Dnstrm Isol Valve, Div 2	30QKC20AA003	32UJK31018	M	M	SI S	C/NM	Y (5)
SAC62AC001 Upstrm Isol Valve, Div 2	30QKC20AA004	32UJH01024	M	H	SI S	C/NM	Y (3) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 85 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
SAC62AC001 Dnstrm Flow Reg Valve, Div 2	30QKC20AA005	32UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC62AC001 Dnstrm Isol Valve, Div 2	30QKC20AA006	32UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC62AC002 Upstrm Isol Valve, Div 2	30QKC20AA008	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
SAC62AC002 Dnstrm Flow Reg Valve, Div 2	30QKC20AA009	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
SAC62AC002 Dnstrm Isol Valve, Div 2	30QKC20AA010	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
KLC52AC001 Upstrm Isol Valve, Div 2	30QKC20AA011	32UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
KLC52AC001 Dnstrm Flow Reg Valve, Div 2	30QKC20AA012	32UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
KLC52AC001 Dnstrm Isol Valve, Div 2	30QKC20AA013	32UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
KLC52AC002 Upstrm Isol Valve, Div 2	30QKC20AA014	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC52AC002 Dnstrm Flow Reg Valve, Div 2	30QKC20AA015	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC52AC002 Dnstrm Isol Valve, Div 2	30QKC20AA016	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
SAC02AC001 Control Valve-MOV, Div 2	30QKC20AA101	32UJK31018	M	M	ES SI S	C/NM	Y (5)
QKC CP501 Root Valve, Div 2	30QKC20AA301	32UJK31018	M	M	SI S	C/NM	Y (5)
QKC CP502 Root Valve, Div 2	30QKC20AA302	32UJK31018	M	M	SI S	C/NM	Y (5)
QKC CP503 Root Valve, Div 2	30QKC20AA303	32UJK31018	M	M	SI S	C/NM	Y (5)
QKC CP504 Root Valve, Div 2	30QKC20AA304	32UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP505 Root Valve, Div 2	30QKC20AA305	32UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP506 Root Valve, Div 2	30QKC20AA306	32UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP508 Root Valve, Div 2	30QKC20AA308	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP509 Root Valve, Div 2	30QKC20AA309	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP510 Root Valve, Div 2	30QKC20AA310	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP511 Root Valve, Div 2	30QKC20AA311	32UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP512 Root Valve, Div 2	30QKC20AA312	32UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP513 Root Valve, Div 2	30QKC20AA313	32UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP519 Root Valve, Div 2	30QKC20AA319	32UJK31018	M	M	SI S	C/NM	Y (5)
QKC CP520 Root Valve, Div 2	30QKC20AA320	32UJK31018	M	M	SI S	C/NM	Y (5)
QKC CP521 Root Valve, Div 2	30QKC20AA321	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP522 Root Valve, Div 2	30QKC20AA322	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP523 Root Valve, Div 2	30QKC20AA323	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR002 Drain Valve, Div 2	30QKC20AA401	32UJK31018	M	M	SI S	C/NM	Y (5)
QKC20BR007 Drain Valve, Div 2	30QKC20AA402	32UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR009 Drain Valve, Div 2	30QKC20AA403	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR016 Drain Valve, Div 2	30QKC20AA404	32UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR015 Drain Valve #1, Div 2	30QKC20AA405	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR006 Drain Valve, Div 2	30QKC20AA406	32UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR003 Drain Valve, Div 2	30QKC20AA409	32UJK31018	M	M	SI S	C/NM	Y (5)
QKC20BR001 Drain Valve, Div 2	30QKC20AA410	32UJK31018	M	M	SI S	C/NM	Y (5)
QKC20BR017 Drain Valve, Div 2	30QKC20AA412	32UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR014 Drain Valve, Div 2	30QKC20AA413	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 86 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
QKC20BR014 Drain Valve, Div 2	30QKC20AA414	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR015 Drain Valve #2, Div 2	30QKC20AA415	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR001 Vent Valve, Div 2	30QKC20AA501	32UJK31020	M	M	SI S	C/NM	Y (5)
QKC20BR006 Vent Valve, Div 2	30QKC20AA502	32UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR008 Vent Valve, Div 2	30QKC20AA503	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR009 Vent Valve, Div 2	30QKC20AA504	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR014 Vent Valve, Div 2	30QKC20AA505	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR016 Vent Valve, Div 2	30QKC20AA506	32UJH05002	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR003 Vent Valve, Div 2	30QKC20AA507	32UJK31020	M	M	SI S	C/NM	Y (5)
QKC20BR002 Vent Valve, Div 2	30QKC20AA508	32UJK31018	M	M	SI S	C/NM	Y (5)
QKC20BR015 Vent Valve, Div 2	30QKC20AA509	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC20BR015 Vent Valve, Div 2	30QKC20AA510	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
Safety Chilled Screen for SAC02, Div 2	30QKC20AT001	32UJK31018	M	M	SI S	C/NM	Y (5)
SAC03AC001 Upstrm Isol Valve, Div 3	30QKC30AA001	33UJK31018	M	M	SI S	C/NM	Y (5)
SAC03AC001 Flow Reg Valve, Div 3	30QKC30AA002	33UJK31018	M	M	SI S	C/NM	Y (5)
SAC03AC001 Dnstrm Isol Valve, Div 3	30QKC30AA003	33UJK31018	M	M	SI S	C/NM	Y (5)
SAC63AC001 Upstrm Isol Valve, Div 3	30QKC30AA004	33UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC63AC001 Dnstrm Flow Reg Valve, Div 3	30QKC30AA005	33UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC63AC001 Dnstrm Isol Valve, Div 3	30QKC30AA006	33UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC63AC002 Upstrm Isol Valve, Div 3	30QKC30AA008	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
SAC63AC002 Dnstrm Flow Reg Valve, Div 3	30QKC30AA009	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
SAC63AC002 Dnstrm Isol Valve, Div 3	30QKC30AA010	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
KLC53AC001 Upstrm Isol Valve, Div 3	30QKC30AA011	33UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
KLC53AC001 Dnstrm Flow Reg Valve, Div 3	30QKC30AA012	33UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
KLC53AC001 Dnstrm Isol Valve, Div 3	30QKC30AA013	33UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
KLC53AC002 Upstrm Isol Valve, Div 3	30QKC30AA014	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC53AC002 Dnstrm Flow Reg Valve, Div 3	30QKC30AA015	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC53AC002 Dnstrm Isol Valve, Div 3	30QKC30AA016	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
SAC03AC001 Control Valve-MOV, Div 3	30QKC30AA101	33UJK31018	M	M	ES SI S	C/NM	Y (5)
QKC CP501 Root Valve, Div 3	30QKC30AA301	33UJK31018	M	M	SI S	C/NM	Y (5)
QKC CP502 Root Valve, Div 3	30QKC30AA302	33UJK31018	M	M	SI S	C/NM	Y (5)
QKC CP503 Root Valve, Div 3	30QKC30AA303	33UJK31018	M	M	SI S	C/NM	Y (5)
QKC CP504 Root Valve, Div 3	30QKC30AA304	33UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP505 Root Valve, Div 3	30QKC30AA305	33UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP506 Root Valve, Div 3	30QKC30AA306	33UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP508 Root Valve, Div 3	30QKC30AA308	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP509 Root Valve, Div 3	30QKC30AA309	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP510 Root Valve, Div 3	30QKC30AA310	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP511 Root Valve, Div 3	30QKC30AA311	33UJH05005	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 87 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
QKC CP512 Root Valve, Div 3	30QKC30AA312	33UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP513 Root Valve, Div 3	30QKC30AA313	33UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP519 Root Valve, Div 3	30QKC30AA319	33UJK31018	M	M	SI S	C/NM	Y (5)
QKC CP520 Root Valve, Div 3	30QKC30AA320	33UJK31018	M	M	SI S	C/NM	Y (5)
QKC CP521 Root Valve, Div 3	30QKC30AA321	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP522 Root Valve, Div 3	30QKC30AA322	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP523 Root Valve, Div 3	30QKC30AA323	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR002 Drain Valve, Div 3	30QKC30AA401	33UJK31018	M	M	SI S	C/NM	Y (5)
QKC30BR007 Drain Valve, Div 3	30QKC30AA402	33UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR008 Drain Valve, Div 3	30QKC30AA403	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR011 Drain Valve, Div 3	30QKC30AA404	33UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR036 Drain Valve #1, Div 3	30QKC30AA405	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR006 Drain Valve, Div 3	30QKC30AA406	33UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR001 Drain Valve, Div 3	30QKC30AA407	33UJK31018	M	M	SI S	C/NM	Y (5)
QKC30BR003 Drain Valve, Div 3	30QKC30AA408	33UJK31018	M	M	SI S	C/NM	Y (5)
QKC30BR037 Drain Valve #1, Div 3	30QKC30AA409	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR037 Drain Valve #2, Div 3	30QKC30AA410	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR010 Drain Valve, Div 3	30QKC30AA411	33UJH05005	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR036 Drain Valve #2, Div 3	30QKC30AA412	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR001 Vent Valve, Div 3	30QKC30AA501	33UJK31018	M	M	SI S	C/NM	Y (5)
QKC30BR006 Vent Valve, Div 3	30QKC30AA502	33UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR008 Vent Valve, Div 3	30QKC30AA503	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR037 Vent Valve, Div 3	30QKC30AA505	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR036 Vent Valve, Div 3	30QKC30AA507	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR011 Vent Valve, Div 3	30QKC30AA508	33UJH05002	M	H	SI S	C/NM	Y (3) Y (5)
QKC30BR036 Vent Valve, Div 3	30QKC30AA509	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
Safety Chilled Screen for SAC03, Div 3	30QKC30AT001	33UJK31018	M	M	SI S	C/NM	Y (5)
SAC04AC001 Upstrm Isol Valve, Div 4	30QKC40AA001	34UJK22028	M	M	SI S	C/NM	Y (5)
SAC04AC001 Dnstrm Flow Reg Valve, Div 4	30QKC40AA002	34UJK26029	M	M	SI S	C/NM	Y (5)
SAC04AC001 Dnstrm Isol Valve, Div 4	30QKC40AA003	34UJK26029	M	M	SI S	C/NM	Y (5)
SAC64AC001 Upstrm Isol Valve, Div 4	30QKC40AA004	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC64AC001 Dnstrm Flow Reg Valve, Div 4	30QKC40AA005	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC64AC001 Dnstrm Isol Valve, Div 4	30QKC40AA006	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
SAC64AC002 Upstrm Isol Valve, Div 4	30QKC40AA008	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
SAC64AC002 Dnstrm Flow Reg Valve, Div 4	30QKC40AA009	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
SAC64AC002 Dnstrm Isol Valve, Div 4	30QKC40AA010	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
KLC54AC001 Upstrm Isol Valve, Div 4	30QKC40AA011	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC54AC001 Dnstrm Flow Reg Valve, Div 4	30QKC40AA012	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC54AC001 Dnstrm Isol Valve, Div 4	30QKC40AA013	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 88 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
KLC54AC003 Upstrm Isol Valve, Div 4	30QKC40AA014	34UJH10011	M	H	SI S	C/NM	Y (3) Y (5)
KLC54AC003 Dnstrm Flow Reg Valve, Div 4	30QKC40AA015	34UJH10011	M	H	SI S	C/NM	Y (3) Y (5)
KLC54AC003 Dnstrm Isol Valve, Div 4	30QKC40AA016	34UJH10011	M	H	SI S	C/NM	Y (3) Y (5)
KLC54AC002 Upstrm Isol Valve, Div 4	30QKC40AA017	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC54AC002 Dnstrm Flow Reg Valve, Div 4	30QKC40AA018	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
KLC54AC002 Dnstrm Isol Valve, Div 4	30QKC40AA019	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
JNG40AP001 Dnstrm Isol Valve, Div 4	30QKC40AA020	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
JNG40AP001 Upstrm Isol Valve, Div 4	30QKC40AA021	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
JNG40AP001 Dnstrm Flow Reg Valve, Div 4	30QKC40AA022	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Pmp Upstrm Control Valve-MOV, Div 4	30QKC40AA025	34UJH01001	M	H	ES SI S	C/NM	Y (3) Y (5)
LHSI Pmp Mtr Dnstrm Flow Reg Vlv, Div 4	30QKC40AA026	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Pmp Seal Dnstrm Flow Reg Vlv, Div 4	30QKC40AA027	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
LHSI Pmp Seal Dnstrm Check Vlv, Div 4	30QKC40AA028	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
SAC04AC001 Control Valve-MOV, Div 4	30QKC40AA101	34UJK26029	M	M	ES SI S	C/NM	Y (5)
QKC CP501 Root Valve, Div 4	30QKC40AA301	34UJK22028	M	M	SI S	C/NM	Y (5)
QKC CP502 Root Valve, Div 4	30QKC40AA302	34UJK26029	M	M	SI S	C/NM	Y (5)
QKC CP503 Root Valve, Div 4	30QKC40AA303	34UJK26029	M	M	SI S	C/NM	Y (5)
QKC CP504 Root Valve, Div 4	30QKC40AA304	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP505 Root Valve, Div 4	30QKC40AA305	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP506 Root Valve, Div 4	30QKC40AA306	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP508 Root Valve, Div 4	30QKC40AA308	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP509 Root Valve, Div 4	30QKC40AA309	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP510 Root Valve, Div 4	30QKC40AA310	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP511 Root Valve, Div 4	30QKC40AA311	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP512 Root Valve, Div 4	30QKC40AA312	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP513 Root Valve, Div 4	30QKC40AA313	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP519 Root Valve, Div 4	30QKC40AA319	34UJK26029	M	M	SI S	C/NM	Y (5)
QKC CP520 Root Valve, Div 4	30QKC40AA320	34UJK26029	M	M	SI S	C/NM	Y (5)
QKC CP521 Root Valve, Div 4	30QKC40AA321	34UJH10011	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP522 Root Valve, Div 4	30QKC40AA322	34UJH10011	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP523 Root Valve, Div 4	30QKC40AA323	34UJH10011	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP524 Root Valve, Div 4	30QKC40AA324	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP525 Root Valve, Div 4	30QKC40AA325	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP526 Root Valve, Div 4	30QKC40AA326	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP527 Root Valve, Div 4	30QKC40AA327	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP528 Root Valve, Div 4	30QKC40AA328	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC CP529 Root Valve, Div 4	30QKC40AA329	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR002 Drain Valve, Div 4	30QKC40AA401	34UJK22028	M	M	SI S	C/NM	Y (5)
QKC40BR023 Drain Valve, Div 4	30QKC40AA402	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 89 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
QKC40BR009 Drain Valve #1, Div 4	30QKC40AA403	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR021 Drain Valve, Div 4	30QKC40AA404	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR019 Drain Valve, Div 4	30QKC40AA406	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR011 Drain Valve, Div 4	30QKC40AA407	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR010 Drain Valve, Div 4	30QKC40AA408	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR009 Drain Valve #2, Div 4	30QKC40AA409	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR008 Drain Valve, Div 4	30QKC40AA410	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR022 Drain Valve, Div 4	30QKC40AA411	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR004 Drain Valve, Div 4	30QKC40AA412	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR005 Drain Valve, Div 4	30QKC40AA413	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR001 Vent Valve, Div 4	30QKC40AA501	34UJK22028	M	M	SI S	C/NM	Y (3) Y (5)
QKC40BR022 Vent Valve, Div 4	30QKC40AA502	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR009 Vent Valve, Div 4	30QKC40AA503	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR020 Vent Valve, Div 4	30QKC40AA504	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR017 Vent Valve, Div 4	30QKC40AA505	34UJH10011	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR018 Vent Valve, Div 4	30QKC40AA506	34UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR002 Vent Valve, Div 4	30QKC40AA510	34UJK26029	M	M	SI S	C/NM	Y (3) Y (5)
QKC40BR023 Vent Valve, Div 4	30QKC40AA511	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR005 Vent Valve, Div 4	30QKC40AA512	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR043 Vent Valve, Div 4	30QKC40AA520	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
Safety Chilled Screen for SAC04, Div 4	30QKC40AT001	34UJK26029	M	M	SI S	C/NM	Y (3) Y (5)
KLL61AC001 Upstrm Isol Valve, Div 1	30QKF10AA001	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
KLL61AC001 Dnstrm Flow Reg Valve, Div 1	30QKF10AA002	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
KLL61AC001 Dnstrm Isol Valve, Div 1	30QKF10AA003	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
QKF CP501 Root Valve, Div 1	30QKF10AA301	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
QKF CP502 Root Valve, Div 1	30QKF10AA302	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
QKF CP503 Root Valve, Div 1	30QKF10AA303	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
QKF10BR002 Drain Valve, Div 1	30QKF10AA401	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
QKF10BR001 Drain Valve, Div 1	30QKF10AA402	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR030 Drain Valve, Div 1	30QKF10AA403	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKC10BR026 Drain Valve, Div 1	30QKF10AA404	31UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKF10BR001 Vent Valve, Div 1	30QKF10AA501	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
QKF10BR002 Vent Valve, Div 1	30QKF10AA502	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
KLL64AC001 Upstrm Isol Valve, Div 4	30QKF40AA001	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
KLL64AC001 Dnstrm Flow Reg Valve, Div 4	30QKF40AA002	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
KLL64AC001 Dnstrm Isol Valve, Div 4	30QKF40AA003	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
QKF CP501 Root Valve, Div 4	30QKF40AA301	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
QKF CP502 Root Valve, Div 4	30QKF40AA302	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
QKF CP503 Root Valve, Div 4	30QKF40AA303	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 90 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
QKF40BR002 Drain Valve #1, Div 4	30QKF40AA401	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
QKF40BR001 Drain Valve, Div 4	30QKF40AA402	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
QKF40BR002 Drain Valve #2, Div 4	30QKF40AA403	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
QKC40BR026 Drain Valve, Div 4	30QKF40AA404	34UJH01001	M	H	SI S	C/NM	Y (3) Y (5)
QKF40BR001 Vent Valve, Div 4	30QKF40AA501	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
QKF40BR002 Vent Valve, Div 4	30QKF40AA502	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
<b>Extra Borating System (EBS)</b>							
EBS Tank Iso Valve	30JDH10AA001	30UFA06039	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump Suction Iso Valve	30JDH10AA002	30UFA01038	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump Discharge Iso Valve	30JDH10AA005	30UFA01038	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Outside Cont Iso Valve	30JDH10AA006	30UFA10045	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Inside Cont Iso Valve	30JDH10AA007	30UJA11013	H	H	ES SI S		Y (5)
EBS Test Line Iso Valve	30JDH10AA008	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
EBS Test Line Iso Manual Valve	30JDH10AA009	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
EBS Tank Refill Line Check Valve	30JDH10AA011	30UFA01038	M	H	SI S		Y (5)
EBS Tank Refill Line Iso Valve	30JDH10AA012	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
EBS RCS Iso Valve	30JDH10AA015	30UJA11003	H	H	ES SI S	C/NM	Y (4) Y (5)
EBS Suction Interconnect Valve	30JDH10AA016	30UFA01038	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS IRWST Suction Line Iso Valve	30JDH10AA022	30UFA01083	M	H	SI S	C/NM	Y (3) Y (5)
EBS VCT Suction Line Iso Valve	30JDH10AA052	30UFA01083	M	H	SI S	C/NM	Y (3) Y (5)
EBS RCS Hydrotest Line Iso Valve	30JDH10AA053	30UFA01083	M	H	SI S	C/NM	Y (3) Y (5)
EBS Pump Discharge Safety Valve	30JDH10AA191	30UFA01038	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump	30JDH10AP001	30UFA01038	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Tank	30JDH10BB001	30UFA06038	M	H	ES SI S		Y (5)
EBS Flow Meter	30JDH10CF058	30UFA01038	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
EBS Tank Iso Valve Position Inst	30JDH10CG001A	30UFA01038	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
EBS Test Line Iso Man Vlv Position Inst	30JDH10CG009A	30UFA01038	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
EBS Test Line Iso Man Vlv Position Inst	30JDH10CG009B	30UFA01038	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
EBS Suction Interconnect Vlv Position Inst	30JDH10CG016A	30UFA01038	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
EBS Suction Interconnect Vlv Position Inst	30JDH10CG016B	30UFA01038	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
EBS Tank Level Inst	30JDH10CL050	30UFA06039	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Tank Level Inst	30JDH10CL060	30UFA06039	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump Suction Pressure Inst	30JDH10CP054	30UFA01038	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump Discharge Pressure Inst	30JDH10CP056	30UFA01038	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Tank Temperature Inst	30JDH10CT052	30UFA06039	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Tank Temperature Inst	30JDH10CT062	30UFA06039	M	H	ES SI S	C/NM	Y (3) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 91 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
EBS RCS Iso Valve	30JDH20AA015	30UJA11005	H	H	ES SI S	C/NM	Y (4) Y (5)
EBS Thermal Relief Valve	30JDH20AA194	30UJA11013	H	H	SI S		Y (5)
EBS RCS Iso Valve	30JDH30AA015	30UJA11006	H	H	ES SI S	C/NM	Y (4) Y (5)
EBS Thermal Relief Valve	30JDH30AA194	30UJA11016	H	H	SI S		Y (5)
EBS Tank Iso Valve	30JDH40AA001	30UFA06087	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump Suction Iso Valve	30JDH40AA002	30UFA01088	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump Discharge Iso Valve	30JDH40AA005	30UFA01088	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Outside Cont Iso Valve	30JDH40AA006	30UFA10095	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Inside Cont Iso Valve	30JDH40AA007	30UJA11016	H	H	ES SI S		Y (5)
EBS Test Line Iso Valve	30JDH40AA008	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
EBS Test Line Iso Manual Valve	30JDH40AA009	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
EBS Tank Refill Line Tank Check Valve	30JDH40AA011	30UFA01088	M	H	SI S		Y (5)
EBS Tank Refill Line Tank Iso Valve	30JDH40AA012	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
EBS RCS Iso Valve	30JDH40AA015	30UJA11008	H	H	ES SI S	C/NM	Y (4) Y (5)
EBS Suction Interconnect Valve	30JDH40AA016	30UFA01088	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump Discharge Safety Valve	30JDH40AA191	30UFA01088	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump	30JDH40AP001	30UFA01088	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Tank	30JDH40BB001	30UFA06088	M	H	ES SI S		Y (5)
EBS Flow Meter	30JDH40CF058	30UFA01088	M	H	ES PAM SI S	C/NM	Y (3) Y (5)
EBS Tank Iso Valve Position Inst	30JDH40CG001A	30UFA01088	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
EBS Test Line Iso Man Vlv Position Inst	30JDH40CG009A	30UFA01088	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
EBS Test Line Iso Man Vlv Position Inst	30JDH40CG009B	30UFA01088	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
EBS Suction Interconnect Vlv Position Inst	30JDH40CG016A	30UFA01088	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
EBS Suction Interconnect Vlv Position Inst	30JDH40CG016B	30UFA01088	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
EBS Tank Level Inst	30JDH40CL050	30UFA06087	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Tank Level Inst	30JDH40CL060	30UFA06087	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump Suction Pressure Inst	30JDH40CP054	30UFA01088	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Pump Discharge Pressure Inst	30JDH40CP056	30UFA01088	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Tank Temperature Inst	30JDH40CT052	30UFA06087	M	H	ES SI S	C/NM	Y (3) Y (5)
EBS Tank Temperature Inst	30JDH40CT062	30UFA06087	M	H	ES SI S	C/NM	Y (3) Y (5)
<b>Feedwater System (MFWS)</b>							
MFW1 FUL LD I-V	30LAB60AA001	31UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW1 I-V	30LAB60AA002	31UJE26001	H	H	ES SI S	C/NM	Y (4) Y (5)
MFW1 CK-V	30LAB60AA003	30UJA29003	H	H	ES SI S		Y (5)
MFW1 FUL LD C-V	30LAB60AA101	31UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW1 P I-V	30LAB60AA307	31UJE26001	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 92 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
MFW1 FUL LD DP I-V1	30LAB60AA309	31UJE26001	H	H	SI S		Y (5)
MFW1 FUL LD DP I-V2	30LAB60AA310	31UJE26001	H	H	SI S		Y (5)
MFW1 D-V1	30LAB60AA401	31UJE26001	H	H	SI S		Y (5)
MFW1 D-V2	30LAB60AA403	30UJA29003	H	H	SI S		Y (5)
MFW1 V-V1	30LAB60AA501	31UJE26001	H	H	SI S		Y (5)
P MFW1 ATP	30LAB60CP407	31UJK26030	M	M	SI S		Y (5)
T1 MFW1 DNSTR FIX PT	30LAB60CT708	31UJK26030	M	M	SI S		Y (5)
MFW1 LLD I-V	30LAB64AA001	31UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW1 LLD C-V	30LAB64AA101	31UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW1 VLLD C-V	30LAB64AA102	31UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW1 LLD DP I-V1	30LAB64AA301	31UJE26001	H	H	SI S		Y (5)
MFW1 LLD DP I-V2	30LAB64AA302	31UJE26001	H	H	SI S		Y (5)
MFW2 FUL LD I-V	30LAB70AA001	32UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW2 I-V	30LAB70AA002	32UJE26001	H	H	ES SI S	C/NM	Y (4) Y (5)
MFW2 CK-V	30LAB70AA003	30UJA29004	H	H	ES SI S		Y (5)
MFW2 FUL LD C-V	30LAB70AA101	32UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW2 P I-V	30LAB70AA307	32UJE26001	H	H	SI S		Y (5)
MFW2 FUL LD DP I-V1	30LAB70AA309	32UJE26001	H	H	SI S		Y (5)
MFW2 FUL LD DP I-V2	30LAB70AA310	32UJE26001	H	H	SI S		Y (5)
MFW2 D-V1	30LAB70AA401	32UJE26001	H	H	SI S		Y (5)
MFW2 D-V2	30LAB70AA403	30UJA29004	H	H	SI S		Y (5)
MFW2 V-V1	30LAB70AA501	32UJE26001	H	H	SI S		Y (5)
P MFW2 ATP	30LAB70CP407	32UJE26001	M	M	SI S		Y (5)
MFW2 LLD I-V	30LAB74AA001	32UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW2 LLD C-V	30LAB74AA101	32UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW2 VLLD C-V	30LAB74AA102	32UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW2 LLD DP I-V1	30LAB74AA301	32UJE26001	H	H	SI S		Y (5)
MFW2 LLD DP I-V2	30LAB74AA302	32UJE26001	H	H	SI S		Y (5)
MFW3 FUL LD I-V	30LAB80AA001	33UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW3 I-V	30LAB80AA002	33UJE26001	H	H	ES SI S	C/NM	Y (4) Y (5)
MFW3 CK-V	30LAB80AA003	30UJA29007	H	H	ES SI S		Y (5)
MFW3 FUL LD C-V	30LAB80AA101	33UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW3 P I-V	30LAB80AA307	33UJE26001	H	H	SI S		Y (5)
MFW3 FUL LD DP I-V1	30LAB80AA309	33UJE26001	H	H	SI S		Y (5)
MFW3 FUL LD DP I-V2	30LAB80AA310	33UJE26001	H	H	SI S		Y (5)
MFW3 D-V1	30LAB80AA401	33UJE26001	H	H	SI S		Y (5)
MFW3 D-V2	30LAB80AA403	30UJA29007	H	H	SI S		Y (5)
MFW3 V-V1	30LAB80AA501	33UJE26001	H	H	SI S		Y (5)
MFW3 LLD I-V	30LAB84AA001	33UJE26001	H	H	SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 93 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
MFW3 LLD C-V	30LAB84AA101	33UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW3 VLLD C-V	30LAB84AA102	33UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW3 LLD DP I-V1	30LAB84AA301	33UJE26001	H	H	SI S		Y (5)
MFW3 LLD DP I-V2	30LAB84AA302	33UJE26001	H	H	SI S		Y (5)
MFW4 FUL LD I-V	30LAB90AA001	34UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW4 I-V	30LAB90AA002	34UJE26001	H	H	ES SI S	C/NM	Y (4) Y (5)
MFW4 CK-V	30LAB90AA003	30UJA29008	H	H	ES SI S		Y (5)
MFW4 FUL LD C-V	30LAB90AA101	34UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW4 P I-V	30LAB90AA307	34UJE26001	H	H	SI S		Y (5)
MFW4 FUL LD DP I-V1	30LAB90AA309	34UJE26001	H	H	SI S		Y (5)
MFW4 FUL LD DP I-V2	30LAB90AA310	34UJE26001	H	H	SI S		Y (5)
MFW4 D-V1	30LAB90AA401	34UJE26001	H	H	SI S		Y (5)
MFW4 D-V2	30LAB90AA403	30UJA29008	H	H	SI S		Y (5)
MFW4 V-V1	30LAB90AA501	34UJE26001	H	H	SI S		Y (5)
P MFW4 ATP	30LAB90CP407	34UJK26030	M	M	SI S		Y (5)
T1 MFW4 DNSTR FIX PT	30LAB90CT708	34UJK26030	M	M	SI S		Y (5)
MFW4 LLD I-V	30LAB94AA001	34UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW4 LLD C-V	30LAB94AA101	34UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW4 VLLD C-V	30LAB94AA102	34UJE26001	H	H	SI S	C/NM	Y (4) Y (5)
MFW4 LLD DP I-V1	30LAB94AA301	34UJE26001	H	H	SI S		Y (5)
MFW4 LLD DP I-V2	30LAB94AA302	34UJE26001	H	H	SI S		Y (5)
<b>Emergency Feedwater System (EFWS)</b>							
EFW Supply Header Vent/Drain Valve	30LAR01AA401	31UJH01024	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Supply Header Vent/Drain Valve	30LAR01AA501	31UJH01002	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Supply Header Vent/Drain Valve	30LAR02AA401	32UJH01024	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Supply Header Vent/Drain Valve	30LAR03AA401	33UJH01038	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Demineralized Water Isolation Valve	30LAR04AA001	34UJH01024	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Demineralized Water Check Valve	30LAR04AA002	34UJH01024	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Supply Header Vent/Drain Valve	30LAR04AA401	34UJH01024	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Supply Header Vent/Drain Valve	30LAR04AA501	34UJH01002	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Storage Pool Offsite Filling Valve Train 1	30LAR10AA001	31UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Local Level Gauge Isolation Valve Train 1	30LAR10AA303	31UJH05026	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR10AA311	31UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR10AA312	31UJH05026	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR10AA313	31UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR10AA314	31UJH10026	M	H	ES SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 94 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
EFW Storage Pool Instrument Isolation Valve	30LAR10AA315	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR10AA316	31UJH05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
Demineralized Water Isolation Valve Train 1	30LAR10AA318	31UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Drain Manual Iso. Valve	30LAR10AA401	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Train 1	30LAR10BB001	31UJH05026	M	H	ES	SI	S			Y (5)
EFW Instrument Reference Leg Train 1	30LAR10BB301	31UJH10026	M	H	ES	SI	S			Y (5)
EFW Instrument Reference Leg Train 1	30LAR10BB302	31UJH10026	M	H	ES	SI	S			Y (5)
EFW Pool Level (Narrow Range) Train 1	30LAR10CL002	31UJH10026	M	H	ES	SI	S			Y (5)
EFW Pool Local Level Guage Train 1	30LAR10CL501	31UJH05026	M	H	ES	SI	S			Y (5)
EFW Storage Pool Temperature Train 1	30LAR10CT001	31UJH05026	M	H	ES	SI	S			Y (5)
EFW Pump Suction Manual Iso. Valve Train 1	30LAR11AA001	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Min Flow Check Valve Train 1	30LAR11AA002	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Discharge Manual Iso. Valve Train 1	30LAR11AA004	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW SG Isolation Valve Train 1	30LAR11AA006	31UJH10010	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW CI Check Valve Train 1	30LAR11AA007	30UJA29003	H	H	ES	SI	S	C/NM		Y (4) Y (5)
EFW Flow Control Valve Train 1	30LAR11AA103	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW SG Level Control Valve Train 1	30LAR11AA105	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 1	30LAR11AA301	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 1	30LAR11AA302	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 1	30LAR11AA303	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 1	30LAR11AA304	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 1	30LAR11AA305	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 1	30LAR11AA306	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 1	30LAR11AA307	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 1	30LAR11AA308	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 1	30LAR11AA309	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 1	30LAR11AA310	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 1	30LAR11AA401	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Hydrazine Injection Valve Train 1	30LAR11AA402	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 1	30LAR11AA403	30UJA29003	H	H	ES	SI	S	C/NM		Y (4) Y (5)
EFW Vent/Drain Valve Train 1	30LAR11AA501	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 1	30LAR11AA502	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 1	30LAR11AA503	30UJA29003	H	H	ES	SI	S	C/NM		Y (4) Y (5)
EFW Vent/Test Valve train 1	30LAR11AA504	31UJH10010	M	H	ES	SI	S	C/NM	Y(3)	Y(5)
EFW Pump Suction Pressure Train 1	30LAR11CP001	31UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Developed Head Train 1	30LAR11CP002	31UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Discharge Pressure Train 1	30LAR11CP003	31UJH01024	M	H	ES	SI	S			Y (5)
EFW SG Level Control Valve dP Train 1	30LAR11CP004	31UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Suction Temperature Train 1	30LAR11CT001	31UJH01024	M	H	ES	SI	S			Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 95 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
EFW Pump Discharge Temperature Train 1	30LAR11CT004	31UJH10004	M	H	ES	SI	S			Y (5)
Full Flow Test Valve Train 1	30LAR12AA001	31UJH05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Supply Header Isolation Valve Train 1	30LAR13AA001	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Discharge Header Isolation Valve Train 1	30LAR14AA001	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Offsite Filling Valve Train 2	30LAR20AA001	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Local Level Gauge Isolation Valve Train 2	30LAR20AA303	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR20AA311	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR20AA312	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR20AA313	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR20AA314	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR20AA315	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR20AA316	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
Demineralized Water Isolation Valve Train 2	30LAR20AA318	32UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Drain Manual Iso. Valve	30LAR20AA401	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Train 2	30LAR20BB001	32UJH05020	M	H	ES	SI	S			Y (5)
EFW Instrument Reference Leg Train 2	30LAR20BB301	32UJH10020	M	H	ES	SI	S			Y (5)
EFW Instrument Reference Leg Train 2	30LAR20BB302	32UJH10020	M	H	ES	SI	S			Y (5)
EFW Pool Level (Narrow Range) Train 2	30LAR20CL002	32UJH10020	M	H	ES	SI	S			Y (5)
EFW Pool Local Level Gauge Train 2	30LAR20CL501	32UJH05020	M	H	ES	SI	S			Y (5)
EFW Storage Pool Temperature Train 2	30LAR20CT001	32UJH05020	M	H	ES	SI	S			Y (5)
EFW Pump Suction Manual Iso. Valve Train 2	30LAR21AA001	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Min Flow Check Valve Train 2	30LAR21AA002	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Discharge Manual Iso. Valve Train 2	30LAR21AA004	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW SG Isolation Valve Train 2	30LAR21AA006	32UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW CI Check Valve Train 2	30LAR21AA007	30UJA29004	H	H	ES	SI	S	C/NM		Y (4) Y (5)
EFW Flow Control Valve Train 2	30LAR21AA103	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW SG Level Control Valve Train 2	30LAR21AA105	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 2	30LAR21AA301	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 2	30LAR21AA302	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 2	30LAR21AA303	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 2	30LAR21AA304	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 2	30LAR21AA305	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 2	30LAR21AA306	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 2	30LAR21AA307	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 2	30LAR21AA308	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 2	30LAR21AA309	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 2	30LAR21AA310	32UJH01020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 2	30LAR21AA401	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Hydrazine Injection Valve Train 2	30LAR21AA402	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 96 of 161

Name Tag (Equipment Description)	Tag Number	Local Area	EQ Environment (Note 1)	Radiation	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
		KKS ID (Room Location)		Environment Zone (Note 2)	Function (Note 3)	S	S		S	Y (3)
EFW Vent/Drain Valve Train 2	30LAR21AA403	30UJA29004	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
EFW Vent/Drain Valve Train 2	30LAR21AA501	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 2	30LAR21AA502	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 2	30LAR21AA503	30UJA29004	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
EFW Vent/Test Valve train 1	30LAR21AA504	32UJH10010	M	H	ES	SI	S	C/NM	Y(3)	Y(5)
EFW Pump Suction Pressure Train 2	30LAR21CP001	32UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Developed Head Train 2	30LAR21CP002	32UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Discharge Pressure Train 2	30LAR21CP003	32UJH01024	M	H	ES	SI	S			Y (5)
EFW SG Level Control Valve dP Train 2	30LAR21CP004	32UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Suction Temperature Train 2	30LAR21CT001	32UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Discharge Temperature Train 2	30LAR21CT004	32UJH10002	M	H	ES	SI	S			Y (5)
Full Flow Test Valve Train 2	30LAR22AA001	32UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Supply Header Isolation Valve Train 2	30LAR23AA001	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Discharge Header Isolation Valve Train 2	30LAR24AA001	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Offsite Filling Valve Train 3	30LAR30AA001	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Local Level Gauge Isolation Valve Train 3	30LAR30AA303	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR30AA311	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR30AA312	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR30AA313	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR30AA314	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR30AA315	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR30AA316	33UJH05020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
Demineralized Water Isolation Valve Train 3	30LAR30AA318	33UJH10020	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Drain Manual Iso. Valve	30LAR30AA401	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Train 3	30LAR30BB001	33UJH05024	M	H	ES	SI	S			Y (5)
EFW Instrument Reference Leg Train 3	30LAR30BB301	33UJH10020	M	H	ES	SI	S			Y (5)
EFW Instrument Reference Leg Train 3	30LAR30BB302	33UJH10020	M	H	ES	SI	S			Y (5)
EFW Pool Level (Narrow Range) Train 3	30LAR30CL002	33UJH10020	M	H	ES	SI	S			Y (5)
EFW Pool Local Level Gauge Train 3	30LAR30CL501	33UJH05020	M	H	ES	SI	S			Y (5)
EFW Storage Pool Temperature Train 3	30LAR30CT001	33UJH05026	M	H	ES	SI	S			Y (5)
EFW Pump Suction Manual Iso. Valve Train 3	30LAR31AA001	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Min Flow Check Valve Train 3	30LAR31AA002	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Discharge Manual Iso. Valve Train 3	30LAR31AA004	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW SG Isolation Valve Train 3	30LAR31AA006	33UJH10002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW CI Check Valve Train 3	30LAR31AA007	30UJA29007	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
EFW Flow Control Valve Train 3	30LAR31AA103	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW SG Level Control Valve Train 3	30LAR31AA105	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 3	30LAR31AA301	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 3	30LAR31AA302	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 97 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
EFW Instrument Valve Train 3	30LAR31AA303	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 3	30LAR31AA304	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 3	30LAR31AA305	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 3	30LAR31AA306	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 3	30LAR31AA307	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 3	30LAR31AA308	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 3	30LAR31AA309	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 3	30LAR31AA310	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 3	30LAR31AA401	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Hydrazine Injection Valve Train 3	30LAR31AA402	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 3	30LAR31AA403	30UJA29007	H	H	ES	SI	S	C/NM		Y (4) Y (5)
EFW Vent/Drain Valve Train 3	30LAR31AA501	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 3	30LAR31AA502	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 3	30LAR31AA503	30UJA29007	H	H	ES	SI	S	C/NM		Y (4) Y (5)
EFW Vent/Test Valve train 1	30LAR31AA504	33UJH10010	M	H	ES	SI	S	C/NM	Y(3)	Y(5)
EFW Pump Suction Pressure Train 3	30LAR31CP001	33UJH01038	M	H	ES	SI	S			Y (5)
EFW Pump Developed Head Train 3	30LAR31CP002	33UJH01038	M	H	ES	SI	S			Y (5)
EFW Pump Discharge Pressure Train 3	30LAR31CP003	33UJH01038	M	H	ES	SI	S			Y (5)
EFW SG Level Control Valve dP Train 3	30LAR31CP004	33UJH01038	M	H	ES	SI	S			Y (5)
EFW Pump Suction Temperature Train 3	30LAR31CT001	33UJH01038	M	H	ES	SI	S			Y (5)
EFW Pump Discharge Temperature Train 3	30LAR31CT004	33UJH10002	M	H	ES	SI	S			Y (5)
Full Flow Test Valve Train 3	30LAR32AA001	33UJH05024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Supply Header Isolation Valve Train 3	30LAR33AA001	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Discharge Header Isolation Valve Train 3	30LAR34AA001	33UJH01038	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Offsite Filling Valve Train 4	30LAR40AA001	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Local Level Gauge Isolation Valve Train 4	30LAR40AA303	34UJH05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR40AA311	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR40AA312	34UJH05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR40AA313	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR40AA314	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR40AA315	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Instrument Isolation Valve	30LAR40AA316	34UJH05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
Demineralized Water Isolation Valve Train 4	30LAR40AA318	34UJH10026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Drain Manual Iso. Valve	30LAR40AA401	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Storage Pool Train 4	30LAR40BB001	34UJH05026	M	H	ES	SI	S			Y (5)
EFW Instrument Reference Leg Train 4	30LAR40BB301	34UJH10026	M	H	ES	SI	S			Y (5)
EFW Instrument Reference Leg Train 4	30LAR40BB302	34UJH10026	M	H	ES	SI	S			Y (5)
EFW Pool Level (Narrow Range) Train 4	30LAR40CL002	34UJH10026	M	H	ES	SI	S			Y (5)
EFW Pool Local Level Gauge Train 4	30LAR40CL501	34UJH05026	M	H	ES	SI	S			Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 98 of 161

Name Tag (Equipment Description)	Tag Number	Local Area	EQ Environment (Note 1)	Radiation	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
		KKS ID (Room Location)		Environment Zone (Note 2)	Function (Note 3)					
EFW Storage Pool Temperature Train 4	30LAR40CT001	34UJH05026	M	H	ES	SI	S			Y (5)
EFW Pump Suction Manual Iso. Valve Train 4	30LAR41AA001	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Min Flow Check Valve Train 4	30LAR41AA002	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Discharge Manual Iso. Valve Train 4	30LAR41AA004	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW SG Isolation Valve Train 4	30LAR41AA006	34UJH10004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW CI Check Valve Train 4	30LAR41AA007	30UJA29008	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
EFW Flow Control Valve Train 4	30LAR41AA103	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW SG Level Control Valve Train 4	30LAR41AA105	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 4	30LAR41AA301	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 4	30LAR41AA302	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 4	30LAR41AA303	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 4	30LAR41AA304	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 4	30LAR41AA305	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 4	30LAR41AA306	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 4	30LAR41AA307	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 4	30LAR41AA308	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 4	30LAR41AA309	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Instrument Valve Train 4	30LAR41AA310	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 4	30LAR41AA401	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Hydrazine Injection Valve Train 4	30LAR41AA402	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 4	30LAR41AA403	30UJA29008	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
EFW Vent/Drain Valve Train 4	30LAR41AA501	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 4	30LAR41AA502	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Vent/Drain Valve Train 4	30LAR41AA503	30UJA29008	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
EFW Vent/Test Valve train 1	30LAR41AA504	34UJH10010	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Suction Pressure Train 4	30LAR41CP001	34UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Developed Head Train 4	30LAR41CP002	34UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Discharge Pressure Train 4	30LAR41CP003	34UJH01024	M	H	ES	SI	S			Y (5)
EFW SG Level Control Valve dP Train 4	30LAR41CP004	34UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Suction Temperature Train 4	30LAR41CT001	34UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Discharge Temperature Train 4	30LAR41CT004	34UJH10004	M	H	ES	SI	S			Y (5)
Full Flow Test Valve Train 4	30LAR42AA001	34UJH05026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Supply Header Isolation Valve Train 4	30LAR43AA001	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Discharge Header Isolation Valve Train 4	30LAR44AA001	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Discharge Header Vent/Drain Valve	30LAR51AA501	31UJH01002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Discharge Header Vent/Drain Valve	30LAR52AA401	32UJH01011	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Discharge Header Vent/Drain Valve	30LAR54AA501	34UJH01002	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 1 Drain	30LAS11AA401	31UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 1 Drain	30LAS11AA402	31UJH01025	M	H	ES	SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 99 of 161

Name Tag (Equipment Description)	Tag Number	Local Area	EQ Environment (Note 1)	Radiation	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
		KKS ID (Room Location)		Environment Zone (Note 2)	Function (Note 3)	S	C/NM		Y (3)	Y (5)
EFW Pump Train 1 Drain	30LAS11AA403	31UJH01026	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 1 Drain	30LAS11AA404	31UJH01027	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 1 Vent	30LAS11AA501	31UJH01028	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 1	30LAS11AP001	31UJH01029	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 1 Oil Level (Local)	30LAS11CL501	31UJH01031	M	H	ES	SI	S			Y (5)
EFW Pump Train 1 Oil Level (Local)	30LAS11CL502	31UJH01032	M	H	ES	SI	S			Y (5)
EFW Pump Train 2 Drain	30LAS21AA401	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 2 Drain	30LAS21AA402	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 2 Drain	30LAS21AA403	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 2 Drain	30LAS21AA404	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 2 Vent	30LAS21AA501	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 2	30LAS21AP001	32UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 2 Oil Level (Local)	30LAS21CL501	32UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Train 2 Oil Level (Local)	30LAS21CL502	32UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Train 2 Drain	30LAS31AA401	33UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 2 Drain	30LAS31AA402	33UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 2 Drain	30LAS31AA403	33UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 2 Drain	30LAS31AA404	33UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 2 Vent	30LAS31AA501	33UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 3	30LAS31AP001	33UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 3 Oil Level (Local)	30LAS31CL501	33UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Train 3 Oil Level (Local)	30LAS31CL502	33UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Train 4 Drain	30LAS41AA401	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 4 Drain	30LAS41AA402	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 4 Drain	30LAS41AA403	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 4 Drain	30LAS41AA404	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 4 Vent	30LAS41AA501	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 4	30LAS41AP001	34UJH01024	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EFW Pump Train 4 Oil Level (Local)	30LAS41CL501	34UJH01024	M	H	ES	SI	S			Y (5)
EFW Pump Train 4 Oil Level (Local)	30LAS41CL502	34UJH01024	M	H	ES	SI	S			Y (5)
<b>In-containment Refueling Water Storage Tank (IRWST)</b>										
IRWST	30JNK00BB001	30UJA04003	H	H	ES	SI	S			Y (5)
IRWST 3-Way Isolation Valve	30JNK10AA001	31UJH01005	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
SIS Train 2 Strainer Backflush Isol. Valve	30JNK10AA004	30UJA11013	H	H		SII	NS-AQ	C/NM		Y (4) Y (5)
SIS Train 2 Strainer Backflush Isol. Valve	30JNK10AA005	30UJA11013	H	H		SII	NS-AQ	C/NM		Y (4) Y (5)
SIS Train 1 Strainer Backflush Isol. Valve	30JNK10AA006	30UJA11013	H	H		SII	NS-AQ	C/NM		Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 100 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated		Safety Class (Note 4)	EQ Program Designation (Note 5)
					Function (Note 3)			
SIS Train 1 Strainer Backflush Isol. Valve	30JNK10AA007	30UJA11013	H	H	SII	NS-AQ	C/NM	Y (4) Y (5)
1st CVCS Suct. Iso. Valve From IRWST	30JNK10AA009	31UJH01010	M	H	ES	SI S	C/NM	Y (3) Y (5)
SIS-IRWST Miniflow Line Check Valve	30JNK10AA010	30UJA07014	H	H	ES	SI S	C/NM	Y (4) Y (5)
SIS-IRWST Miniflow Line Check Valve	30JNK10AA011	30UJA07014	H	H	ES	SI S	C/NM	Y (4) Y (5)
2nd CVCS Suct. Isol. Valve From IRWST	30JNK10AA013	31UJH01010	M	H	ES	SI S	C/NM	Y (3) Y (5)
SIS Sump Str. TRN 1	30JNK10AT001	30UJA04003	H	H	ES	SI S		Y (5)
SIS Sump Str. TRN 2	30JNK10AT002	30UJA04003	H	H	ES	SI S		Y (5)
CVCS Sump Str.	30JNK10AT003	30UJA04003	H	H		SII NS-AQ		Y (5)
Retaing Basket	30JNK10AT004	30UJA11002	H	H	ES	SI S		Y (5)
Retaing Basket	30JNK10AT005	30UJA11005	H	H	ES	SI S		Y (5)
Trash Rack	30JNK10AT014	30UJA04003	H	H	ES	SI S		Y (5)
Trash Rack	30JNK10AT015	30UJA04003	H	H	ES	SI S		Y (5)
SIS Str. 1&2 Backflush Flow	30JNK10CF501	30UJA11016	H	H		SII NS-AQ	C/NM	Y (4) Y (5)
IRWST Level Sensor - Train 1 & 2	30JNK10CL050	30UJA11013	H	H	ES PAM	SI S	C/NM	Y (4) Y (5)
IRWST Level Sensor - Train 1 & 2	30JNK10CL052	30UJA11014	H	H	ES PAM	SI S	C/NM	Y (4) Y (5)
SIS Suction Strainer dP Sensor	30JNK10CP001	30UJA07014	H	H	ES PAM	SI S	C/NM	Y (4) Y (5)
SIS Suction Strainer dP Sensor	30JNK10CP002	30UJA07014	H	H	ES PAM	SI S	C/NM	Y (4) Y (5)
CVCS Suction Strainer dp Sensor	30JNK10CP003	30UJA07014	H	H		SII NS-AQ	C/NM	Y (4) Y (5)
SIS TRN 1 Dbl. Gd. Pipe Press. Sensor	30JNK10CP004	31UJH01004	M	H	ES	SI S	C/NM	Y (3) Y (5)
SIS TRN 2 Dbl. Gd. Pipe Press. Sensor	30JNK10CP005	32UJH05010	M	H	ES	SI S	C/NM	Y (3) Y (5)
CVCS Suct. Ln. Dbl. Gd. Pipe Press. Ssr	30JNK10CP006	31UJH10001	M	H	ES	SI S	C/NM	Y (3) Y (5)
SIS TRN 1 Dbl. Gd. Pipe Press. Sensor, loc.	30JNK10CP504	31UJH05006	M	H	ES	SI S	C/NM	Y (3) Y (5)
SIS TRN 2 Dbl. Gd. Pipe Press. Sensor, loc.	30JNK10CP505	32UJH01008	M	H	ES	SI S	C/NM	Y (3) Y (5)
CVCS Suct. Ln. Dbl. Gd. Pipe Press. Ssr, loc.	30JNK10CP506	31UJH01010	M	H	ES	SI S	C/NM	Y (3) Y (5)
IRWST Temperature Sensor	30JNK10CT054	30UJA04003	H	H	ES	SI S	C/NM	Y (4) Y (5)
IRWST Temperature Sensor	30JNK10CT056	30UJA04003	H	H	ES	SI S	C/NM	Y (4) Y (5)
SIS Train 3 Strainer Backflush Isol. Valve	30JNK11AA004	30UJA11015	H	H		SII NS-AQ	C/NM	Y (4) Y (5)
SIS Train 3 Strainer Backflush Isol. Valve	30JNK11AA005	30UJA11015	H	H		SII NS-AQ	C/NM	Y (4) Y (5)
SIS Train 4 Strainer Backflush Isol. Valve	30JNK11AA006	30UJA11016	H	H		SII NS-AQ	C/NM	Y (4) Y (5)
SIS Train 4 Strainer Backflush Isol. Valve	30JNK11AA007	30UJA11016	H	H		SII NS-AQ	C/NM	Y (4) Y (5)
1st SAHRS Suct. Iso. Valve From IRWST	30JNK11AA009	34UJH01010	M	H	ES	SI S	C/NM	Y (3) Y (5)
SIS-IRWST Miniflow Line Check Valve	30JNK11AA010	30UJA07015	H	H	ES	SI S	C/NM	Y (4) Y (5)
SIS-IRWST Miniflow Line Check Valve	30JNK11AA011	30UJA07015	H	H	ES	SI S	C/NM	Y (4) Y (5)
SIS Sump Str. TRN 4	30JNK11AT001	30UJA04003	H	H	ES	SI S		Y (5)
SIS Sump Str. TRN 3	30JNK11AT002	30UJA04003	H	H	ES	SI S		Y (5)
SAHRS Sump Str.	30JNK11AT003	30UJA04003	H	H		SII NS-AQ		Y (5)
Retaing Basket	30JNK11AT004	30UJA11006	H	H	ES	SI S		Y (5)
Retaing Basket	30JNK11AT005	30UJA11009	H	H	ES	SI S		Y (5)
Trash Rack	30JNK11AT014	30UJA04003	H	H	ES	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 101 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Trash Rack	30JNK11AT015	30UJA04003	H	H	ES SI S		Y (5)
SIS Str. 3&4 Backflush Flow	30JNK11CF501	30UJA11016	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
IRWST Level Sensor - Train 3 & 4	30JNK11CL050	30UJA11015	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
IRWST Level Sensor - Train 3 & 4	30JNK11CL052	30UJA11016	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
SIS Suction Strainer dP Sensor	30JNK11CP001	30UJA07015	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
SIS Suction Strainer dP Sensor	30JNK11CP002	30UJA07015	H	H	ES PAM SI S	C/NM	Y (4) Y (5)
SAHRS Suction Strainer dp Sensor	30JNK11CP003	30UJA07015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
SIS TRN 3 Dbl. Gd. Pipe Press. Sensor	30JNK11CP004	33UJH05006	M	H	ES SI S	C/NM	Y (3) Y (5)
SIS TRN 4 Dbl. Gd. Pipe Press. Sensor	30JNK11CP005	34UJH05006	M	H	ES SI S	C/NM	Y (3) Y (5)
SAHRS Suct. Ln. Dbl. Gd. Pipe Press. Ssr	30JNK11CP006	34UJH10001	M	H	ES SI S	C/NM	Y (3) Y (5)
SIS TRN 3 Dbl. Gd. Pipe Press. Sensor, loc.	30JNK11CP504	33UJH01008	M	H	ES SI S	C/NM	Y (3) Y (5)
SIS TRN 4 Dbl. Gd. Pipe Press. Sensor, loc.	30JNK11CP505	34UJH05006	M	H	ES SI S	C/NM	Y (3) Y (5)
SAHRS Suct. Ln. Dbl. Gd. Pipe Press. Ssr, loc.	30JNK11CP506	34UJH01010	M	H	ES SI S	C/NM	Y (3) Y (5)
IRWST Temperature Sensor	30JNK11CT054	30UJA04003	H	H	ES SI S	C/NM	Y (4) Y (5)
IRWST Temperature Sensor	30JNK11CT056	30UJA04003	H	H	ES SI S	C/NM	Y (4) Y (5)
IRWST 3-Way Isolation Valve	30JNK20AA001	32UJH01008	M	H	ES SI S	C/NM	Y (3) Y (5)
IRWST 3-Way Isolation Valve	30JNK30AA001	33UJH01008	M	H	ES SI S	C/NM	Y (3) Y (5)
IRWST 3-Way Isolation Valve	30JNK40AA001	34UJH01005	M	H	ES SI S	C/NM	Y (3) Y (5)
<b>Main Steam System (MSS)</b>							
MSIV TRN1	30LBA10AA002	31UJE34002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
LBA10CP811 I-V	30LBA10AA311	31UJE29002	H	M	SI S		Y (5)
LBA10CP821 I-V	30LBA10AA321	31UJE29002	H	M	SI S		Y (5)
LBA10CP831 I-V	30LBA10AA331	31UJE29002	H	M	SI S		Y (5)
LBA10CP841 I-V	30LBA10AA341	31UJE29002	H	M	SI S		Y (5)
MS TRN1 F-MEAS I-V 1	30LBA10AA342	30UJA34003	H	H	SI S		Y (5)
MS TRN1 F-MEAS I-V 2	30LBA10AA343	30UJA34003	H	H	SI S		Y (5)
MS TRN1 F-MEAS I-V 3	30LBA10AA344	30UJA34003	H	H	SI S		Y (5)
MSIV TRN1 UPSTR D-V	30LBA10AA441	31UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN1 DNSTR D-V	30LBA10AA442	31UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN1 2ND D-V	30LBA10AA444	31UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MS TRN1 V-LN 1ST I-V	30LBA10AA501	30UJA34003	H	H	SI S		Y (5)
MS TRN1 V-LN 2ND I-V	30LBA10AA502	30UJA34003	H	H	SI S		Y (5)
1ST MSSV TRN1	30LBA11AA191	31UJE29002	H	M	ES PAM SI S		Y (5)
2ND MSSV TRN1	30LBA12AA191	31UJE29002	H	M	ES PAM SI S		Y (5)
MSRIV TRN 1	30LBA13AA001	31UJE29002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
MSRCV TRN 1	30LBA13AA101	31UJE29002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 102 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
LBA13CP401 I-V	30LBA13AA301	31UJE29002	H	M	SII NS-AQ		Y (5)
MSRT1 DRN FLOWREST	30LBA13BP701	31UJE29002	H	M	SII NS-AQ		Y (5)
SILENCER	30LBA13BS001	31UJE39001	M	M	SI S		Y (5)
MSIV BYP LN I-V TRN1	30LBA14AA001	31UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV BYP LN C-V TRN1	30LBA14AA101	31UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN2	30LBA20AA002	32UJE34002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
LBA20CP811 I-V	30LBA20AA311	32UJE29002	H	M	SI S		Y (5)
LBA20CP821 I-V	30LBA20AA321	32UJE29002	H	M	SI S		Y (5)
LBA20CP831 I-V	30LBA20AA331	32UJE29002	H	M	SI S		Y (5)
LBA20CP841 I-V	30LBA20AA341	32UJE29002	H	M	SI S		Y (5)
MS TRN2 F-MEAS I-V 1	30LBA20AA342	30UJA34004	H	H	SI S		Y (5)
MS TRN2 F-MEAS I-V 2	30LBA20AA343	30UJA34004	H	H	SI S		Y (5)
MS TRN2 F-MEAS I-V 3	30LBA20AA344	30UJA34004	H	H	SI S		Y (5)
MSIV TRN2 UPSTR D-V	30LBA20AA441	32UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN2 DNSTR D-V	30LBA20AA442	32UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN2 2ND D-V	30LBA20AA444	32UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MS TRN2 V-LN 1ST I-V	30LBA20AA501	30UJA34004	H	H	SI S		Y (5)
MS TRN2 V-LN 2ND I-V	30LBA20AA502	30UJA34004	H	H	SI S		Y (5)
1ST MSSV TRN2	30LBA21AA191	32UJE29002	H	M	ES PAM SI S		Y (5)
2ND MSSV TRN2	30LBA22AA191	32UJE29002	H	M	ES PAM SI S		Y (5)
MSRIV TRN 2	30LBA23AA001	32UJE29002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
MSRV TRN 2	30LBA23AA101	32UJE29002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
LBA23CP401 I-V	30LBA23AA301	32UJE29002	H	M	SII NS-AQ		Y (5)
MSRT2 DRN FLOWREST	30LBA23BP701	32UJE29002	H	M	SII NS-AQ		Y (5)
SILENCER	30LBA23BS001	30UJE39001	M	M	SI S		Y (5)
MSIV BYP LN I-V TRN2	30LBA24AA001	32UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV BYP LN C-V TRN2	30LBA24AA101	32UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN3	30LBA30AA002	33UJE33002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
LBA30CP811 I-V	30LBA30AA311	33UJE29002	H	M	SI S		Y (5)
LBA30CP821 I-V	30LBA30AA321	33UJE29002	H	M	SI S		Y (5)
LBA30CP831 I-V	30LBA30AA331	33UJE29002	H	M	SI S		Y (5)
LBA30CP841 I-V	30LBA30AA341	33UJE29002	H	M	SI S		Y (5)
MS TRN3 F-MEAS I-V 1	30LBA30AA342	30UJA34007	H	H	SI S		Y (5)
MS TRN3 F-MEAS I-V 2	30LBA30AA343	30UJA34007	H	H	SI S		Y (5)
MS TRN3 F-MEAS I-V 3	30LBA30AA344	30UJA34007	H	H	SI S		Y (5)
MSIV TRN3 UPSTR D-V	30LBA30AA441	33UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN3 DNSTR D-V	30LBA30AA442	33UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN3 2ND D-V	30LBA30AA444	33UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MS TRN3 V-LN 1ST I-V	30LBA30AA501	30UJA34007	H	H	SI S		Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 103 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
MS TRN3 V-LN 2ND I-V	30LBA30AA502	30UJA34007	H	H	SI S		Y (5)
1ST MSSV TRN3	30LBA31AA191	33UJE29002	H	M	ES PAM SI S		Y (5)
2ND MSSV TRN3	30LBA32AA191	33UJE29002	H	M	ES PAM SI S		Y (5)
MSRIV TRN 3	30LBA33AA001	33UJE29002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
MSRV TRN 3	30LBA33AA101	33UJE29002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
LBA33CP401 I-V	30LBA33AA301	33UJE29002	H	M	SII NS-AQ		Y (5)
MSRT3 DRN FLOWREST SILENCER	30LBA33BP701 30LBA33BS001	33UJE29002 34UJE39001	H M	M M	SII SI S	NS-AQ	Y (5) Y (5)
MSIV BYP LN I-V TRN3	30LBA34AA001	33UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV BYP LN C-V TRN3	30LBA34AA101	33UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN4	30LBA40AA002	34UJE33002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
LBA40CP811 I-V	30LBA40AA311	34UJE29002	H	M	SI S		Y (5)
LBA40CP821 I-V	30LBA40AA321	34UJE29002	H	M	SI S		Y (5)
LBA40CP831 I-V	30LBA40AA331	34UJE29002	H	M	SI S		Y (5)
LBA40CP841 I-V	30LBA40AA341	34UJE29002	H	M	SI S		Y (5)
MS TR43 F-MEAS I-V 1	30LBA40AA342	30UJA34008	H	H	SI S		Y (5)
MS TR43 F-MEAS I-V 2	30LBA40AA343	30UJA34008	H	H	SI S		Y (5)
MS TR43 F-MEAS I-V 3	30LBA40AA344	30UJA34008	H	H	SI S		Y (5)
MSIV TRN4 UPSTR D-V	30LBA40AA441	34UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN4 DNSTR D-V	30LBA40AA442	34UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV TRN4 2ND D-V	30LBA40AA444	34UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MS TRN4 V-LN 1ST I-V	30LBA40AA501	30UJA34008	H	H	SI S		Y (5)
MS TRN4 V-LN 2ND I-V	30LBA40AA502	30UJA34008	H	H	SI S		Y (5)
1ST MSSV TRN4	30LBA41AA191	34UJE29002	H	M	ES PAM SI S		Y (5)
2ND MSSV TRN4	30LBA42AA191	34UJE29002	H	M	ES PAM SI S		Y (5)
MSRIV TRN 4	30LBA43AA001	34UJE29002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
MSRV TRN 4	30LBA43AA101	34UJE29002	H	M	ES PAM SI S	C/NM	Y (4) Y (5)
LBA43CP401 I-V	30LBA43AA301	34UJE29002	H	M	SII NS-AQ		Y (5)
MSRT4 DRN FLOWREST SILENCER	30LBA43BP701 30LBA43BS001	34UJE29002 34UJE39001	H M	M M	SII SI S	NS-AQ	Y (5) Y (5)
MSIV BYP LN I-V TRN4	30LBA44AA001	34UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
MSIV BYP LN C-V TRN4	30LBA44AA101	34UJE29002	H	M	PAM SI S	C/NM	Y (4) Y (5)
<b>Steam Generator Blowdown System (SGBS)</b>							
SG1 hot leg BD isolation gate valve	30LCQ10AA001	30UJA15003	H	H	ES SI S	C/NM	Y (4) Y (5)
SG1 cold leg BD isolation gate valve	30LCQ10AA002	30UJA15003	H	H	ES SI S	C/NM	Y (4) Y (5)
SG1 common BD isolation gate valve	30LCQ10AA003	30UJA11018	H	H	ES SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 104 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
SG1 N2 bubbling globe valve isolation	30LCQ10AA010	30UJA15018	H	H	SI S	C/NM	Y (4) Y (5)
N2 Bubbling lift check for SG1	30LCQ10AA011	30UJA15018	H	H	SI S	C/NM	Y (4) Y (5)
SG transfer globe valve b/t SGs 1 & 2	30LCQ10AA012	30UJA23004	H	H	ES SI S	C/NM	Y (4) Y (5)
SG1 BD flowrate control valve	30LCQ10AA104	30UJA11018	H	H	SI S	C/NM	Y (4) Y (5)
SG1 BD flowrate instr. globe valve #1	30LCQ10AA301	30UJA11013	H	H	SI S	C/NM	Y (4) Y (5)
SG1 BD flowrate instr. globe valve #2	30LCQ10AA302	30UJA11013	H	H	SI S	C/NM	Y (4) Y (5)
SG 1 manual drain globe valve	30LCQ10AA401	30UJA15003	H	H	SI S	C/NM	Y (4) Y (5)
Manual vent globe valve for filling	30LCQ10AA501	30UJA23004	H	H	SI S	C/NM	Y (4) Y (5)
Manual isolation valve for venting	30LCQ10AA502	30UJA23004	H	H	SI S	C/NM	Y (4) Y (5)
SG1 hot leg sampling globe valve	30LCQ10AA601	30UJA15013	H	H	SI S	C/NM	Y (4) Y (5)
SG 1 cold leg sampling globe valve	30LCQ10AA602	30UJA15013	H	H	SI S	C/NM	Y (4) Y (5)
SG1 BD flow rate sensor	30LCQ10CF001	30UJA11013	H	H	SI S		Y (5)
position of SG1 BD flowrate ctrl valve	30LCQ10CG104	30UJA11018	H	H	SI S		Y (5)
SG1 BD temperature sensor	30LCQ10CT001	30UJA11003	H	H	SI S		Y (5)
SG2 hot leg BD gate isolation valve	30LCQ20AA001	30UJA15004	H	H	ES SI S	C/NM	Y (4) Y (5)
SG2 cold leg BD gate isolation valve	30LCQ20AA002	30UJA15004	H	H	ES SI S	C/NM	Y (4) Y (5)
SG2 common BD gate isolation valve	30LCQ20AA003	30UJA11018	H	H	ES SI S	C/NM	Y (4) Y (5)
SG2 N2 bubbling lift check valve	30LCQ20AA010	30UJA15018	H	H	SI S		Y (5)
SG2 N2 bubbling globe isolation valve	30LCQ20AA011	30UJA15018	H	H	SI S	C/NM	Y (4) Y (5)
SG2 BD flowrate control valve	30LCQ20AA104	30UJA11018	H	H	SI S	C/NM	Y (4) Y (5)
SG2 BD flow rate instr. globe valve 1	30LCQ20AA301	30UJA11014	H	H	SI S	C/NM	Y (4) Y (5)
SG2 BD flow rate instr. globe valve 2	30LCQ20AA302	30UJA11014	H	H	SI S	C/NM	Y (4) Y (5)
Drain valve for SG #2	30LCQ20AA401	30UJA15004	H	H	SI S	C/NM	Y (4) Y (5)
SG2 hot leg BD sampling globe valve #1	30LCQ20AA601	30UJA15014	H	H	SI S	C/NM	Y (4) Y (5)
SG2 BD flow rate instr. globe valve #2	30LCQ20AA602	30UJA15014	H	H	SI S	C/NM	Y (4) Y (5)
SG2 BD flow rate sensor	30LCQ20CF001	30UJA11005	H	H	SI S		Y (5)
Position of SG2 BD flowrate ctrl valve	30LCQ20CG104	30UJA11018	H	H	SI S	C/NM	Y (4) Y (5)
SG2 BD temperature sensor	30LCQ20CT001	30UJA11014	H	H	SI S		Y (5)
SG3 hot leg BD gate isolation valve	30LCQ30AA001	30UJA15007	H	H	ES SI S	C/NM	Y (4) Y (5)
SG3 cold leg BD gate isolation valve	30LCQ30AA002	30UJA15007	H	H	ES SI S	C/NM	Y (4) Y (5)
SG3 common BD gate isolation valve	30LCQ30AA003	30UJA11018	H	H	ES SI S	C/NM	Y (4) Y (5)
SG3 N2 bubbling lift check valve	30LCQ30AA010	30UJA15018	H	H	SI S	C/NM	Y (4) Y (5)
SG3 N2 bubbling globe valve isolation	30LCQ30AA011	30UJA15018	H	H	SI S	C/NM	Y (4) Y (5)
SG transfer globe valve b/t SGs 3 & 4	30LCQ30AA012	30UJA23007	H	H	ES SI S	C/NM	Y (4) Y (5)
SG3 BD flowrate control valve	30LCQ30AA104	30UJA11018	H	H	SI S	C/NM	Y (4) Y (5)
SG3 BD flow rate instr. globe valve #1	30LCQ30AA301	30UJA11015	H	H	SI S	C/NM	Y (4) Y (5)
SG3 BD flowrate instr. globe valve #2	30LCQ30AA302	30UJA11015	H	H	SI S	C/NM	Y (4) Y (5)
SG3 manual drain globe valve	30LCQ30AA401	30UJA15007	H	H	SI S	C/NM	Y (4) Y (5)
Fill vent globe valve	30LCQ30AA501	30UJA23007	H	H	SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 105 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
fill vent globe valve	30LCQ30AA502	30UJA23007	H	H	SI S	C/NM	Y (4) Y (5)
SG3 hot leg BD sampling globe valve	30LCQ30AA601	30UJA15015	H	H	SI S	C/NM	Y (4) Y (5)
SG3 cold leg BD sampling globe valve	30LCQ30AA602	30UJA15015	H	H	SI S	C/NM	Y (4) Y (5)
SG3 BD flow rate sensor	30LCQ30CF001	30UJA11006	H	H	SI S		Y (5)
Position of SG3 BD flowrate ctrl valve	30LCQ30CG104	30UJA11018	H	H	SI S		Y (5)
SG3 BD temperature sensor	30LCQ30CT001	30UJA11007	H	H	SI S		Y (5)
SG4 hot leg BD gate isolation valve	30LCQ40AA001	30UJA15008	H	H	ES SI S	C/NM	Y (4) Y (5)
SG4 cold leg BD isolation gate valve	30LCQ40AA002	30UJA15008	H	H	ES SI S	C/NM	Y (4) Y (5)
SG4 common BD isolation gate valve	30LCQ40AA003	30UJA11018	H	H	ES SI S	C/NM	Y (4) Y (5)
SG4 N2 bubbling lift check valve	30LCQ40AA010	30UJA15018	H	H	SI S	C/NM	Y (4) Y (5)
SG4 N2 bubbling globe isolation valve	30LCQ40AA011	30UJA15018	H	H	SI S	C/NM	Y (4) Y (5)
SG4 BD flowrate control valve	30LCQ40AA104	30UJA11018	H	H	SI S	C/NM	Y (4) Y (5)
SG4 BD flowrate instr. globe valve #1	30LCQ40AA301	30UJA11016	H	H	SI S	C/NM	Y (4) Y (5)
SG4 BD flowrate instr. globe valve #2	30LCQ40AA302	30UJA15018	H	H	SI S	C/NM	Y (4) Y (5)
SG4 drain globe valve	30LCQ40AA401	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
SG4 hot leg BD sampling globe valve	30LCQ40AA601	30UJA15016	H	H	SI S	C/NM	Y (4) Y (5)
SG4 cold leg BD sampling globe valve	30LCQ40AA602	30UJA15008	H	H	SI S	C/NM	Y (4) Y (5)
SG4 BD flow rate sensor	30LCQ40CF001	30UJA11008	H	H	SI S		Y (5)
Position of SG4 BD flowrate ctrl valve	30LCQ40CG104	30UJA11018	H	H	SI S		Y (5)
Flash tank pressure instr globe valve 1	30LCQ50AA301	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
Flash tank pressure instr globe valve 2	30LCQ50AA302	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD flash tank pressure tap valve	30LCQ50AA310	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD FT LVL INSTR globe valve 1a	30LCQ50AA322	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD FT LVL INSTR globe valve 1b	30LCQ50AA323	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD FT LVL INSTR globe valve 2a	30LCQ50AA325	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD FT LVL INSTR globe valve 2b	30LCQ50AA326	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD Flash Tank (FT)	30LCQ50BB001	30UJA11018	H	H	SI S		Y (5)
SGBD FT lvl instr. buffer tank #1	30LCQ50BB321	30UJA11018	H	H	SI S		Y (5)
SGBD FT lvl instr. buffer tank #2	30LCQ50BB324	30UJA11018	H	H	SI S		Y (5)
SGBD flash tank level sensor 1	30LCQ50CL001	30UJA07018	H	H	SI S		Y (5)
SGBD flash tank level sensor 2	30LCQ50CL002	30UJA07018	H	H	SI S		Y (5)
SGBD flash tank pressure sensor 1	30LCQ50CP001	30UJA07018	H	H	SI S		Y (5)
SGBD flash tank pressure sensor 2	30LCQ50CP002	30UJA07018	H	H	SI S		Y (5)
Gate Valve b/t SGBD FT and 1stS.BDcooler	30LCQ51AA001	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD flashed condensate inside C-IV	30LCQ51AA002	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
SGBD flashed condensate outer C-IV	30LCQ51AA003	34UJH05004	M	H	ES SI S	C/NM	Y (3) Y (5)
1stS.SGBD cooler bypass gate valve 1	30LCQ51AA074	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
1stS.SGBD cooler bypass gate valve 2	30LCQ51AA075	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
1stS.SGBD cooler gate isolation valve #1	30LCQ51AA083	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 106 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
1stS.SGBD cooler gate isolation valve 2	30LCQ51AA084	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
1stS.SGBD cooler gate isolation valve 3	30LCQ51AA086	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD containment penetration safety valv	30LCQ51AA198	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
Plug V. for L.T. test of JMK60BQ019	30LCQ51AA301	30UJA07015	H	H	SI S	C/NM	Y (4) Y (5)
Press tap PV 1 for 1stS. SGBD cooler	30LCQ51AA383	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
Press tap PV 2 for 1stS. SGBD cooler	30LCQ51AA384	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD flash tank drain motor plug valve	30LCQ51AA401	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD drain plug valve to KT	30LCQ51AA413	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
SGBD containment penetration drain plug	30LCQ51AA414	34UJH05004	M	H	SI S	C/NM	Y (3) Y (5)
KT drain plug valve hose connection	30LCQ51AA434	34UJH05004	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KT drain plug valve	30LCQ51AA441	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
KTD drain plug valve from SGBD	30LCQ51AA488	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
KTD vent plug valve from LCQ	30LCQ51AA503	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
KTC vent plug valve from SGBD	30LCQ51AA504	34UJH05004	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KTD drain plug valve	30LCQ51AA531	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
KTD vent plug valve from SGBD	30LCQ51AA584	30UJA07018	H	H	SI S	C/NM	Y (4) Y (5)
First Stage (1stS.) SGBD cooler unit #1	30LCQ51AC001	30UJA07018	H	H	SI S		Y (5)
First Stage (1stS.) SGBD cooler unit #2	30LCQ51AC002	30UJA07018	H	H	SI S		Y (5)
Flash tank temperature sensor	30LCQ51CT001	30UJA07018	H	H	SI S		Y (5)
1stS.SGBD cooler outlet temp sensor #1	30LCQ51CT002	30UJA07018	H	H	SI S		Y (5)
1stS. SGBD cooler outlet temp sensor #2	30LCQ51CT003	30UJA07018	H	H	SI S		Y (5)
SGBD flash tank drain thermalwell	30LCQ51CT501	30UJA07018	H	H	SI S		Y (5)
1stS. SGBD cooler outlet thermalwell	30LCQ51CT502	30UJA07018	H	H	SI S		Y (5)
Thermal well within 1stS. SGBD cooler	30LCQ51CT550	30UJA07018	H	H	SI S		Y (5)
Flashed steam SGBD inside C-IV	30LCQ52AA001	30UJA34014	H	H	ES SI S	C/NM	Y (4) Y (5)
Flashed steam SGBD outlet C-IV	30LCQ52AA002	32UJE34003	M	M	ES SI S	C/NM	Y (5)
Flash tank safety valve	30LCQ52AA191	30UJA11018	H	H	SI S	C/NM	Y (4) Y (5)
L.T. test plug valve 1 for 30JMK60 BQ205	30LCQ52AA302	30UJA34014	H	H	SI S	C/NM	Y (4) Y (5)
L.T. test plug valve 3 for 30JMK60 BQ205	30LCQ52AA305	30UJA34014	H	H	SI S	C/NM	Y (4) Y (5)
KTE drain plug valve from SGBD	30LCQ52AA411	32UJE34003	M	M	SI S	C/NM	Y (5)
SGBD vent plug valve to KTD	30LCQ52AA511	30UJA34014	H	H	SI S	C/NM	Y (4) Y (5)
SGBD FT safety valve position	30LCQ52CG191	30UJA11018	H	H	SI S		Y (5)
Temp sensor downstream SGBD FT safety V.	30LCQ52CT100	30UJA11018	H	H	SI S		Y (5)
SG1 BD flow rate sensor	30LCQ10CF001	30UJA11013	H	H	SI S		Y (5)
position of SG1 BD flowrate ctrl valve	30LCQ10CG104	30UJA11018	H	H	SI S		Y (5)
SG1 BD temperature sensor	30LCQ10CT001	30UJA11003	H	H	SI S		Y (5)
SG2 BD flow rate sensor	30LCQ20CF001	30UJA11005	H	H	SI S		Y (5)
Position of SG2 BD flowrate ctrl valve	30LCQ20CG104	30UJA11018	H	H	SI S		Y (5)
SG2 BD temperature sensor	30LCQ20CT001	30UJA11014	H	H	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 107 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
SG3 BD flow rate sensor	30LCQ30CF001	30UJA11006	H	H	SI S		Y (5)
Position of SG3 BD flowrate ctrl valve	30LCQ30CG104	30UJA11018	H	H	SI S		Y (5)
SG3 BD temperature sensor	30LCQ30CT001	30UJA11007	H	H	SI S		Y (5)
SG4 BD flow rate sensor	30LCQ40CF001	30UJA11008	H	H	SI S		Y (5)
Position of SG4 BD flowrate ctrl valve	30LCQ40CG104	30UJA11018	H	H	SI S		Y (5)
SGBD flash tank level sensor 1	30LCQ50CL001	30UJA07018	H	H	SI S		Y (5)
SGBD flash tank level sensor 2	30LCQ50CL002	30UJA07018	H	H	SI S		Y (5)
SGBD flash tank pressure sensor 1	30LCQ50CP001	30UJA07018	H	H	SI S		Y (5)
SGBD flash tank pressure sensor 2	30LCQ50CP002	30UJA07018	H	H	SI S		Y (5)
Flash tank temperature sensor	30LCQ51CT001	30UJA07018	H	H	SI S		Y (5)
1stS.SGBD cooler outlet temp sensor #1	30LCQ51CT002	30UJA07018	H	H	SI S		Y (5)
1stS. SGBD cooler outlet temp sensor #2	30LCQ51CT003	30UJA07018	H	H	SI S		Y (5)
SGBD flash tank drain thermalwell	30LCQ51CT501	30UJA07018	H	H	SI S		Y (5)
1stS. SGBD cooler outlet thermalwell	30LCQ51CT502	30UJA07018	H	H	SI S		Y (5)
Thermal well within 1stS. SGBD cooler	30LCQ51CT550	30UJA07018	H	H	SI S		Y (5)
SGBD FT safety valve position	30LCQ52CG191	30UJA11018	H	H	SI S		Y (5)
Temp sensor downstream SGBD FT safety V.	30LCQ52CT100	30UJA11018	H	H	SI S		Y (5)
<b>Chemical &amp; Volume Control System (CVCS)</b>							
<b>KBA</b>							
RCS Boundary Isolation Valve	30KBA10AA001	30UJA11002	H	H	ES SI S	C/NM	Y(4) Y (5)
RCS Boundary Isolation Valve	30KBA10AA002	30UJA11022	H	H	ES SI S	C/NM	Y(4) Y (5)
Charging Line Cross Connect Isolation Va	30KBA10AA003	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Pressure Transmitter Isolot	30KBA10AA301	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Tube Side Dr	30KBA10AA401	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Tube Side Dr	30KBA10AA402	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Shell Side D	30KBA10AA404	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Shell Side D	30KBA10AA405	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Tube Side Dr	30KBA10AA406	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Shell Side D	30KBA10AA407	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Drain Valve	30KBA10AA408	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Drain Valve	30KBA10AA409	30UJA11022	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Drain Valve	30KBA10AA410	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Tube Side Ve	30KBA10AA501	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Tube Side Ve	30KBA10AA502	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Shell Side V	30KBA10AA504	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Shell Side V	30KBA10AA505	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger Shell Side V	30KBA10AA506	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 108 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Regenerative Heat Exchanger Tube Side Ve	30KBA10AA507	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heat Exchanger	30KBA10AC001	30UJA11024	H	H	SI S		Y (5)
Regenerative Heat Exchanger Tube Side Ve	30KBA10BP501	30UJA11023	H	H	SI S		Y (5)
Regenerative Heat Exchanger Shell Side V	30KBA10BP502	30UJA11023	H	H	SI S		Y (5)
#1 HP Cooler Inlet Isolation Valve	30KBA11AA001	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Outlet Isolation Valve	30KBA11AA003	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Reducing Station Control Valve	30KBA11AA102	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Outlet Flow Transmitter Iso	30KBA11AA301	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Outlet Flow Transmitter Iso	30KBA11AA302	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Outlet Flow Transmitter Iso	30KBA11AA303	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Outlet Flow Transmitter Iso	30KBA11AA304	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Outlet Flow Transmitter Iso	30KBA11AA305	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Outlet Flow Transmitter Iso	30KBA11AA306	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Outlet Pressure Transmitter	30KBA11AA310	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Tube Side Drain Isolation V	30KBA11AA401	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Tube Side Drain Isolation V	30KBA11AA402	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Shell Side Drain Isolation	30KBA11AA404	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Drain Isolation Valve	30KBA11AA405	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Tube Side Drain Isolation V	30KBA11AA406	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Drain Isolation Valve	30KBA11AA407	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 Letdown Line Drain Isolation Valve	30KBA11AA408	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 Letdown Line Drain Isolation Valve	30KBA11AA409	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Drain Isolation Valve	30KBA11AA410	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Shell Side Vent Isolation V	30KBA11AA501	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Tube Side Vent Isolation Va	30KBA11AA502	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Tube Side Vent Isolation Va	30KBA11AA503	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Outlet Vent Line Isolation	30KBA11AA505	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Outlet Vent Line Isolation	30KBA11AA507	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
#1 HP Cooler Tube Side Vent Isolation Va	30KBA11AA508	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
#1 High Pressure Cooler	30KBA11AC001	30UJA07027	H	H	SI S		Y (5)
#1 High Pressure Cooler Tube Side Vent O	30KBA11BP501	30UJA11023	H	H	SI S		Y (5)
#2 HP Cooler Inlet Isolation Valve	30KBA12AA001	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Outlet Isolation Valve	30KBA12AA003	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Reducing Station Control Valve	30KBA12AA102	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Outlet Flow Transmitter Iso	30KBA12AA301	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Outlet Flow Transmitter Iso	30KBA12AA302	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Outlet Flow Transmitter Iso	30KBA12AA303	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Outlet Flow Transmitter Iso	30KBA12AA304	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Outlet Flow Transmitter Iso	30KBA12AA305	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Outlet Flow Transmitter Iso	30KBA12AA306	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 109 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
#2 HP Cooler Outlet Pressure Transmitter	30KBA12AA310	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Tube Side Drain Isolation V	30KBA12AA401	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Tube Side Drain Isolation V	30KBA12AA402	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Shell Side Drain Isolation	30KBA12AA404	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Drain Isolation Valve	30KBA12AA405	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Tube Side Drain Isolation V	30KBA12AA406	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Drain Isolation Valve	30KBA12AA407	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 Letdown Line Drain Isolation Valve	30KBA12AA408	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 Letdown Line Drain Isolation Valve	30KBA12AA409	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Drain Isolation Valve	30KBA12AA410	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Shell Side Vent Isolation V	30KBA12AA501	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Tube Side Vent Isolation Va	30KBA12AA502	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Tube Side Vent Isolation Va	30KBA12AA503	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Outlet Vent Line Isolation	30KBA12AA504	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Outlet Vent Line Isolation	30KBA12AA505	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
#2 HP Cooler Tube Side Vent Isolation Va	30KBA12AA507	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
#2 High Pressure Cooler	30KBA12AC001	30UJA07026	H	H	SI S		Y (5)
#2 High Pressure Cooler Tube Side Vent O	30KBA12BP501	30UJA11023	H	H	SI S		Y (5)
Letdown Line Inside Containment Isolatio	30KBA14AA002	30UJA07016	H	H	ES SI S	C/NM	Y(4) Y (5)
Letdown Line Outside Containment Isolatio	30KBA14AA003	30UFA06095	M	H	ES SI S	C/NM	Y(3) Y (5)
LP Letdown Line Isolation Valve	30KBA14AA004	30UFA01095	M	H	SI S	C/NM	Y(3) Y (5)
Letdown to KTA Isolation Valve	30KBA14AA009	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
Letdown to KTA Isolation Valve	30KBA14AA011	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Check Valve	30KBA14AA012	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
LP Reducing Station Control Valve	30KBA14AA106	30UFA10095	M	H	SI S	C/NM	Y(3) Y (5)
Letdown Line (Inside Containment) Relief	30KBA14AA191	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Pressure Transmitter Isolat	30KBA14AA301	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Pressure Transmitter Isolat	30KBA14AA302	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Pressure Transmitter Isolat	30KBA14AA303	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
Relief Valve Inlet Drain Isolation Valve	30KBA14AA401	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
Letdown to KTA Drain Line Isolation Valv	30KBA14AA402	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
LP Letdown Line Drain Isolation Valve	30KBA14AA404	30UFA01095	M	H	SI S	C/NM	Y(3) Y (5)
LP Letdown Line Drain Isolation Valve	30KBA14AA405	30UFA01095	M	H	SI S	C/NM	Y(3) Y (5)
Letdown Line Drain Isolation Valve	30KBA14AA408	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Drain Isolation Valve	30KBA14AA409	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
Letdown to KTA Drain Line Isolation Valv	30KBA14AA411	30UJA07028	H	H	SI S	C/NM	Y(4) Y (5)
Relief Valve Inlet Drain Isolation Valve	30KBA14AA412	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Vent Isolation Valve	30KBA14AA501	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
Relief Valve Inlet Vent Isolation Valve	30KBA14AA502	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
LP Letdown Line Vent Isolation Valve	30KBA14AA503	30UFA10095	M	H	SI S	C/NM	Y(3) Y (5)
Relief Valve Inlet Vent Isolation Valve	30KBA14AA504	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 110 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Letdown Line Vent Isolation Valve	30KBA14AA506	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
Letdown Line Vent to KT Isolation Valve	30KBA14AA507	30UJA07029	H	H	SI S	C/NM	Y(4) Y (5)
VCT Outlet Isolation Valve	30KBA21AA001	30UFA06086	M	H	ES PAM SI S	C/NM	Y(3) Y (5)
Letdown to Charging Pump Suction Isolati	30KBA21AA009	30UFA06036	M	H	ES PAM SI S	C/NM	Y(3) Y (5)
Letdown Line Outlet from Gas Separator I	30KBA25AA017	30UFA10082	M	H	ES PAM SI S	C/NM	Y(3) Y (5)
Charging Line Outside Containment Isolati	30KBA34AA002	30UFA06095	M	H	ES SI S	C/NM	Y(3) Y (5)
Charging Line Inside Containment Isolati	30KBA34AA003	30UJA07016	H	H	ES SI S	C/NM	Y(4) Y (5)
3-Way Regenerative Heater Bypass Valve	30KBA34AA007	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Charging to RCS Isolation valve	30KBA34AA012	30UJA11022	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line to RCS Loop 2 Check Valve	30KBA34AA018	30UJA18005	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line to RCS Loop 4 Check Valve	30KBA34AA019	30UJA15009	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line to RCS Loop 2 Check Valve	30KBA34AA020	30UJA18005	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line to RCS Loop 4 Check Valve	30KBA34AA021	30UJA18009	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line Relief Valve	30KBA34AA191	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heater Bypass Line Drain Is	30KBA34AA401	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line Drain Isolation Valve	30KBA34AA402	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line (Inside Containment) Drain	30KBA34AA405	30UJA07016	H	H	ES SI S	C/NM	Y(4) Y (5)
Charging Line (Inside Containment) Drain	30KBA34AA406	30UJA07016	H	H	ES SI S	C/NM	Y(4) Y (5)
Regenerative Heater Bypass Line Drain Is	30KBA34AA407	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line (Inside Containment) Drain	30KBA34AA410	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line (Inside Containment) Drain	30KBA34AA411	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line Drain Isolation Valve	30KBA34AA412	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line Drain Isolation Valve	30KBA34AA413	30UJA11022	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line Drain Isolation Valve	30KBA34AA414	30UJA11022	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line Drain Isolation Valve	30KBA34AA415	30UJA18005	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line Drain Isolation Valve	30KBA34AA416	30UJA18005	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line Drain Isolation Valve	30KBA34AA417	30UJA15009	H	H	SI S	C/NM	Y(4) Y (5)
Charging Line Drain Isolation Valve	30KBA34AA418	30UJA15009	H	H	SI S	C/NM	Y(4) Y (5)
Regenerative Heater Bypass Line Drain Is	30KBA34AA422	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Boron Concentration Measurement Transmit	30KBA34CQ857A	30UFA01033	M	H	SI S		Y (5)
Boron Concentration Measurement Transmit	30KBA34CQ857B	30UFA01033	M	H	SI S		Y (5)
Boron Concentration Measurement Transmit	30KBA34CQ858A	30UFA01033	M	H	SI S		Y (5)
Boron Concentration Measurement Transmit	30KBA34CQ858B	30UFA01033	M	H	SI S		Y (5)
Charging Pump Discharge Temperature Tran	30KBA34CT857A	30UFA01033	M	H	SI S		Y (5)
Charging Pump Discharge Temperature Tran	30KBA34CT857B	30UFA01033	M	H	SI S		Y (5)
Charging Pump Discharge Temperature Tran	30KBA34CT858A	30UFA01033	M	H	SI S		Y (5)
Charging Pump Discharge Temperature Tran	30KBA34CT858B	30UFA01033	M	H	SI S		Y (5)
Charging to Pressurizer Auxiliary Spray	30KBA35AA001	30UJA11022	H	H	SI S	C/NM	Y(4) Y (5)
Charging to Pressurizer Auxiliary Spray	30KBA35AA002	30UJA15019	H	H	SI S	C/NM	Y(4) Y (5)
3-Way Pressurizer Auxiliary Spray Contro	30KBA35AA101	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 111 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Pressurizer Auxiliary Spray Line Drain I	30KBA35AA401	30UJA11023	H	H	SI S	C/NM	Y(4) Y (5)
Pressurizer Auxiliary Spray Line Drain I	30KBA35AA402	30UJA15019	H	H	SI S	C/NM	Y(4) Y (5)
Pressurizer Auxiliary Spray Line Drain I	30KBA35AA403	30UJA15019	H	H	SI S	C/NM	Y(4) Y (5)
Pressurizer Auxiliary Spray Line Drain I	30KBA35AA404	30UJA15019	H	H	SI S	C/NM	Y(4) Y (5)
Pressurizer Auxiliary Spray Line Drain I	30KBA35AA405	30UJA15019	H	H	SI S	C/NM	Y(4) Y (5)
Pressurizer Auxiliary Spray Line Drain I	30KBA35AA406	30UJA15019	H	H	SI S	C/NM	Y(4) Y (5)
<b>JEW</b>							
RCP Seal Water Injection Outside Contain	30JEW01AA005	30UFA06045	M	H	ES SI S	C/NM	Y(3) Y (5)
RCP Seal Water Injection Inside Containm	30JEW01AA006	30UJA07016	H	H	ES SI S	C/NM	Y(4) Y (5)
RCP Seal Water Injection Line Drain Isol	30JEW01AA412	30UJA07016	H	H	ES SI S	C/NM	Y(4) Y (5)
RCP Seal Water Injection Line Drain Isol	30JEW01AA413	30UJA07016	H	H	ES SI S	C/NM	Y(4) Y (5)
RCP Seal Water Injection Line Drain Isol	30JEW01AA414	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
RCP Seal Water Injection Line Drain Isol	30JEW01AA415	30UJA07016	H	H	SI S	C/NM	Y(4) Y (5)
#1 RCP Seal Water Injection Control Valv	30JEW11AA111	30UJA15002	H	H	SI S	C/NM	Y(4) Y (5)
#1 RCP Seal Water Injection Flow Transmi	30JEW11AA301	30UJA11013	H	H	SI S	C/NM	Y(4) Y (5)
#1 RCP Seal Water Injection Flow Transmi	30JEW11AA302	30UJA11013	H	H	SI S	C/NM	Y(4) Y (5)
#1 RCP Seal Water Leakoff Bypass Inlet M	30JEW12AA013	30UJA18002	H	H	SI S	C/NM	Y(4) Y (5)
#1 RCP Seal Water Leakoff Bypass Outlet	30JEW12AA014	30UJA18002	H	H	SI S	C/NM	Y(4) Y (5)
#1 RCP Seal Water Leakoff Manual Isolati	30JEW12AA015	30UJA18002	H	H	SI S	C/NM	Y(4) Y (5)
#1 RCP Seal Water Leakoff Flow Transmitt	30JEW12AA303	30UJA18013	H	H	SI S	C/NM	Y(4) Y (5)
#1 RCP Seal Water Leakoff Flow Transmitt	30JEW12AA304	30UJA18013	H	H	SI S	C/NM	Y(4) Y (5)
#2 RCP Seal Water Injection Control Valv	30JEW21AA111	30UJA15005	H	H	SI S	C/NM	Y(4) Y (5)
#2 RCP Seal Water Injection Flow Transmi	30JEW21AA301	30UJA15005	H	H	SI S	C/NM	Y(4) Y (5)
#2 RCP Seal Water Injection Flow Transmi	30JEW21AA302	30UJA15005	H	H	SI S	C/NM	Y(4) Y (5)
#2 RCP Seal Water Leakoff Bypass Inlet M	30JEW22AA013	30UJA18005	H	H	SI S	C/NM	Y(4) Y (5)
#2 RCP Seal Water Leakoff Bypass Outlet	30JEW22AA014	30UJA18005	H	H	SI S	C/NM	Y(4) Y (5)
#2 RCP Seal Water Leakoff Manual Isolati	30JEW22AA015	30UJA18005	H	H	SI S	C/NM	Y(4) Y (5)
#2 RCP Seal Water Leakoff Flow Transmitt	30JEW22AA303	30UJA18005	H	H	SI S	C/NM	Y(4) Y (5)
#2 RCP Seal Water Leakoff Flow Transmitt	30JEW22AA304	30UJA18005	H	H	SI S	C/NM	Y(4) Y (5)
#3 RCP Seal Water Injection Control Valv	30JEW31AA111	30UJA15006	H	H	SI S	C/NM	Y(4) Y (5)
#3 RCP Seal Water Injection Flow Transmi	30JEW31AA301	30UJA11015	H	H	SI S	C/NM	Y(4) Y (5)
#3 RCP Seal Water Injection Flow Transmi	30JEW31AA302	30UJA11015	H	H	SI S	C/NM	Y(4) Y (5)
#3 RCP Seal Water Leakoff Bypass Inlet M	30JEW32AA013	30UJA18006	H	H	SI S	C/NM	Y(4) Y (5)
#3 RCP Seal Water Leakoff Bypass Outlet	30JEW32AA014	30UJA18006	H	H	SI S	C/NM	Y(4) Y (5)
#3 RCP Seal Water Leakoff Manual Isolati	30JEW32AA015	30UJA18006	H	H	SI S	C/NM	Y(4) Y (5)
#3 RCP Seal Water Leakoff Flow Transmitt	30JEW32AA303	30UJA18006	H	H	SI S	C/NM	Y(4) Y (5)
#3 RCP Seal Water Leakoff Flow Transmitt	30JEW32AA304	30UJA18006	H	H	SI S	C/NM	Y(4) Y (5)
#4 RCP Seal Water Injection Control Valv	30JEW41AA111	30UJA15009	H	H	SI S	C/NM	Y(4) Y (5)
#4 RCP Seal Water Injection Flow Transmi	30JEW41AA301	30UJA11016	H	H	SI S	C/NM	Y(4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 112 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
#4 RCP Seal Water Injection Flow Transmi	30JEW41AA302	30UJA11016	H	H	SI S	C/NM	Y(4) Y (5)
#4 RCP Seal Water Leakoff Bypass Inlet M	30JEW42AA013	30UJA18009	H	H	SI S	C/NM	Y(4) Y (5)
#4 RCP Seal Water Leakoff Bypass Outlet	30JEW42AA014	30UJA18009	H	H	SI S	C/NM	Y(4) Y (5)
#4 RCP Seal Water Leakoff Manual Isolati	30JEW42AA015	30UJA18009	H	H	SI S	C/NM	Y(4) Y (5)
#4 RCP Seal Water Leakoff Flow Transmitt	30JEW42AA303	30UJA18009	H	H	SI S	C/NM	Y(4) Y (5)
#4 RCP Seal Water Leakoff Flow Transmitt	30JEW42AA304	30UJA18009	H	H	SI S	C/NM	Y(4) Y (5)
RCP Seal Water Leakoff Inside Containmen	30JEW50AA001	30UJA07016	H	H	ES SI S	C/NM	Y(4) Y (5)
RCP Seal Water Leakoff Outside Containme	30JEW50AA002	30UFA06045	M	H	ES SI S	C/NM	Y(3) Y (5)
RCP Seal Water Leakoff to RC Drain Tk. I	30JEW50AA021	30UJA23002	H	H	SI S	C/NM	Y(4) Y (5)
RCP Seal Water Leakoff Relief Valve	30JEW50AA191	30UJA29003	H	H	SI S	C/NM	Y(4) Y (5)
RCP Seal Water Leakoff Pressure Transmit	30JEW50AA303	30UJA23013	H	H	SI S	C/NM	Y(4) Y (5)
RCP Seal Water Leakoff Line Inside Conta	30JEW50AA407	30UKA06036	M	H	SI S	C/NM	Y(3) Y (5)
RCP Seal Water Leakoff Relief Valve Inle	30JEW50AA503	30UJA29003	H	H	SI S	C/NM	Y(4) Y (5)
RCP Seal Water Leakoff Relief Valve Inle	30JEW50AA504	30UJA29003	H	H	SI S	C/NM	Y(4) Y (5)
RCP Seal Water Leakoff Flow Restrictor	30JEW50BP001	30UJA23013	H	H	SI S		Y (5)

### Auxiliary Systems

Nuclear Sampling System (NSS)							
RCS HL1 ISO VALVE	30KUA10AA001	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS HL1 MOV ISO VLV (HP BOUNDARY)	30KUA10AA002	30UJA18003	H	H	SI S	C/NM	Y (4) Y (5)
RCS HL1 INNER CONT ISO VLV	30KUA10AA003	30UJA07016	H	H	ES SI S	C/NM	Y (4) Y (5)
RCS HL1 OUTER CONT ISO VLV	30KUA10AA004	30UFA06045	M	H	ES SI S	C/NM	Y (3) Y (5)
RCS HL1 ISO CONT PRESSURE RELIEF VLV	30KUA10AA090	30UJB05003	M	M	SI S		Y (5)
RCS HL1 INNER CONT ISO RELIEF VLV	30KUA10AA091	30UJB05003	M	M	SI S		Y (5)
RCS HL1 CONT ISO TEST VLV 1	30KUA10AA092	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS HL1 CONT ISO TEST VLV 2	30KUA10AA093	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS HL1 CONT ISO TEST VLV 3	30KUA10AA094	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS HL1 CONT ISO TEST VLV 4	30KUA10AA095	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS HL1 HIGH POINT VENT VLV 1	30KUA10AA501	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS HL1 HIGH POINT VENT VLV 2	30KUA10AA502	30UJB05003	M	M	SI S	C/NM	Y (5)
PRESSURIZER MOV SAMPLE VLV	30KUA20AA001	30UJB05003	M	M	SI S	C/NM	Y (5)
PRESSURIZER INNER ISO CONT VLV	30KUA20AA002	30UJB05003	M	M	ES SI S	C/NM	Y (5)
PRESSURIZER OUTER ISO CONT VLV	30KUA20AA003	30UFA06095	M	H	ES SI S	C/NM	Y (3) Y (5)
PRZ SAMPLE RELIEF CKV VLV	30KUA20AA090	30UJB05003	M	M	SI S		Y (5)
PRZ TEST CKV VLV	30KUA20AA091	30UJB05003	M	M	SI S		Y (5)
PRZ TEST VLV 1	30KUA20AA092	30UJB05003	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 113 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
PRZ TEST VLV 2	30KUA20AA093	30UJB05003	M	M	SI S	C/NM	Y (5)
PRZ TEST VLV 3	30KUA20AA094	30UJB05003	M	M	SI S	C/NM	Y (5)
PRZ TEST VLV 4	30KUA20AA095	30UJB05003	M	M	SI S	C/NM	Y (5)
PRZ SAMPLE VENT VLV 1	30KUA20AA501	30UJB05003	M	M	SI S	C/NM	Y (5)
PRZ SAMPLE VENT VLV 2	30KUA20AA502	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS CL3 ISO VLV	30KUA30AA001	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS CL3 ISO VLV	30KUA30AA002	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS CL3 INNER CONT ISO VLV	30KUA30AA003	30UJB05003	M	M	ES SI S	C/NM	Y (5)
RCS CL3 OUTER CONT ISO VLV	30KUA30AA004	30UFA06095	M	H	ES SI S	C/NM	Y (3) Y (5)
RCS CL3 TEST CKV	30KUA30AA090	30UJB05003	M	M	SI S		Y (5)
RCS CL3 ISOLATION CKV	30KUA30AA091	30UJB05003	M	M	SI S		Y (5)
RCS CL3 TEST ISO VLV 1	30KUA30AA092	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS CL3 TEST ISV VLV 2	30KUA30AA093	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS CL3 TEST ISO VLV 3	30KUA30AA094	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS CL3 TEST ISO VLV 4	30KUA30AA095	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS CL3 VENT VLV 1	30KUA30AA501	30UJB05003	M	M	SI S	C/NM	Y (5)
RCS CL3 VENT VLV 2	30KUA30AA502	30UJB05003	M	M	SI S	C/NM	Y (5)
KUB10 CONT ISO INNER VLV	30KUB10AA001	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
KUB10 CONT ISO OUTER VLV	30KUB10AA002	30UFA10095	M	H	ES SI S	C/NM	Y (3) Y (5)
KUB CONT ISO TEST CKV	30KUB10AA091	30UJA11016	H	H	SI S		Y (5)
KUB CONT ISO TEST VLV 1	30KUB10AA092	30UJA11016	H	H	SI S	C/NM	Y (4) Y (5)
CONT ISO VLV OUTSIDE CONTAINMENT	30KUL51AA002	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
CONT ISO VLV OUTSIDE CONTAINMENT	30KUL51AA003	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
CONT ISO VLV OUTSIDE CONTAINMENT	30KUL52AA002	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)
CONT ISO VLV OUTSIDE CONT	30KUL52AA003	34UJH10004	M	H	ES SI S	C/NM	Y (3) Y (5)

**Sampling Activity Monitoring System (SAMS)**

As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualificaiton.

**Emergency Diesel Generator Set (EDG)**

Turbochargers	30XJA10AN	31UBP01001	M	M	SI S	C/NM	Y (5)
Engine governor mechanical	30XJA10AP	31UBP01001	M	M	SI S	C/NM	Y (5)
Engine governor electronics	30XJA10AP	31UBP01001	M	M	SI S	1E	Y (5)
Diesel engine	30XJA10AV	31UBP01001	M	M	SI S	C/NM	Y (5)
Engine level	30XJA10CL	31UBP01001	M	M	SI S	1E	Y (5)
Engine pressure	30XJA10CP	31UBP01001	M	M	SI S	1E	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 114 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Engine speed	30XJA10CS	31UBP01001	M	M	SI S	1E	Y (5)
Turbochargers	30XJA20AN	32UBP01001	M	M	SI S	C/NM	Y (5)
Engine governor mechanical	30XJA20AP	32UBP01001	M	M	SI S	C/NM	Y (5)
Engine governor electronics	30XJA20AP	32UBP01001	M	M	SI S	1E	Y (5)
Diesel engine	30XJA20AV	32UBP01001	M	M	SI S	C/NM	Y (5)
Engine level	30XJA20CL	32UBP01001	M	M	SI S	1E	Y (5)
Engine pressure	30XJA20CP	32UBP01001	M	M	SI S	1E	Y (5)
Engine speed	30XJA20CS	32UBP01001	M	M	SI S	1E	Y (5)
Turbochargers	30XJA30AN	33UBP01001	M	M	SI S	C/NM	Y (5)
Engine governor mechanical	30XJA30AP	33UBP01001	M	M	SI S	C/NM	Y (5)
Engine governor electronics	30XJA30AP	33UBP01001	M	M	SI S	1E	Y (5)
Diesel engine	30XJA30AV	33UBP01001	M	M	SI S	C/NM	Y (5)
Engine level	30XJA30CL	33UBP01001	M	M	SI S	1E	Y (5)
Engine pressure	30XJA30CP	33UBP01001	M	M	SI S	1E	Y (5)
Engine speed	30XJA30CS	33UBP01001	M	M	SI S	1E	Y (5)
Turbochargers	30XJA40AN	34UBP01001	M	M	SI S	C/NM	Y (5)
Engine governor mechanical	30XJA40AP	34UBP01001	M	M	SI S	C/NM	Y (5)
Engine governor electronics	30XJA40AP	34UBP01001	M	M	SI S	1E	Y (5)
Diesel engine	30XJA40AV	34UBP01001	M	M	SI S	C/NM	Y (5)
Engine level	30XJA40CL	34UBP01001	M	M	SI S	1E	Y (5)
Engine pressure	30XJA40CP	34UBP01001	M	M	SI S	1E	Y (5)
Engine speed	30XJA40CS	34UBP01001	M	M	SI S	1E	Y (5)
Cooling water system valves	30XJG10AA	31UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system heat exchangers	30XJG10AC	31UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system pumps	30XJG10AP	31UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system vents	30XJG10AT	31UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system Tanks	30XJG10BB	31UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system orifices	30XJG10BP	31UBP01001	M	M	SI S		Y (5)
Cooling water system level	30XJG10CL	31UBP01001	M	M	SI S	1E	Y (5)
Cooling water system pressure	30XJG10CP	31UBP01001	M	M	SI S	1E	Y (5)
Cooling water system temperature	30XJG10CT	31UBP01001	M	M	SI S	1E	Y (5)
Cooling water system valves	30XJG20AA	32UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system heat exchangers	30XJG20AC	32UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system pumps	30XJG20AP	32UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system vents	30XJG20AT	32UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system Tanks	30XJG20BB	32UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system orifices	30XJG20BP	32UBP01001	M	M	SI S		Y (5)
Cooling water system level	30XJG20CL	32UBP01001	M	M	SI S	1E	Y (5)
Cooling water system pressure	30XJG20CP	32UBP01001	M	M	SI S	1E	Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 115 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Cooling water system temperature	30XJG20CT	32UBP01001	M	M	SI S	1E	Y (5)
Cooling water system valves	30XJG30AA	33UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system heat exchangers	30XJG30AC	33UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system pumps	30XJG30AP	33UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system vents	30XJG30AT	33UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system Tanks	30XJG30BB	33UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system orifices	30XJG30BP	33UBP01001	M	M	SI S		Y (5)
Cooling water system level	30XJG30CL	33UBP01001	M	M	SI S	1E	Y (5)
Cooling water system pressure	30XJG30CP	33UBP01001	M	M	SI S	1E	Y (5)
Cooling water system temperature	30XJG30CT	33UBP01001	M	M	SI S	1E	Y (5)
Cooling water system valves	30XJG40AA	34UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system heat exchangers	30XJG40AC	34UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system pumps	30XJG40AP	34UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system vents	30XJG40AT	34UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system Tanks	30XJG40BB	34UBP01001	M	M	SI S	C/NM	Y (5)
Cooling water system orifices	30XJG40BP	34UBP01001	M	M	SI S		Y (5)
Cooling water system level	30XJG40CL	34UBP01001	M	M	SI S	1E	Y (5)
Cooling water system pressure	30XJG40CP	34UBP01001	M	M	SI S	1E	Y (5)
Cooling water system temperature	30XJG40CT	34UBP01001	M	M	SI S	1E	Y (5)
Fuel oil system valves	30XJN10AA	31UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system pumps	30XJN10AP	31UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system vents	30XJN10AT	31UBP01003	M	M	SI S	C/NM	Y (5)
Fuel oil system tanks	30XJN10BB	31UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system orifices	30XJN10BP	31UBP01001	M	M	SI S		Y (5)
Fuel oil system level	30XJN10CL	31UBP01003	M	M	SI S	1E	Y (5)
Fuel oil system Pressure	30XJN10CP	31UBP01001	M	M	SI S	1E	Y (5)
Fuel oil system valves	30XJN20AA	32UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system pumps	30XJN20AP	32UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system vents	30XJN20AT	32UBP01003	M	M	SI S	C/NM	Y (5)
Fuel oil system tanks	30XJN20BB	32UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system orifices	30XJN20BP	32UBP01001	M	M	SI S		Y (5)
Fuel oil system level	30XJN20CL	32UBP01003	M	M	SI S	1E	Y (5)
Fuel oil system Pressure	30XJN20CP	32UBP01001	M	M	SI S	1E	Y (5)
Fuel oil system valves	30XJN30AA	33UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system pumps	30XJN30AP	33UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system vents	30XJN30AT	33UBP01003	M	M	SI S	C/NM	Y (5)
Fuel oil system tanks	30XJN30BB	33UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system orifices	30XJN30BP	33UBP01001	M	M	SI S		Y (5)
Fuel oil system level	30XJN30CL	33UBP01003	M	M	SI S	1E	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 116 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Fuel oil system Pressure	30XJN30CP	33UBP01001	M	M	SI S	1E	Y (5)
Fuel oil system valves	30XJN40AA	34UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system pumps	30XJN40AP	34UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system vents	30XJN40AT	34UBP01003	M	M	SI S	C/NM	Y (5)
Fuel oil system tanks	30XJN40BB	34UBP01001	M	M	SI S	C/NM	Y (5)
Fuel oil system orifices	30XJN40BP	34UBP01001	M	M	SI S		Y (5)
Fuel oil system level	30XJN40CL	34UBP01003	M	M	SI S	1E	Y (5)
Fuel oil system Pressure	30XJN40CP	34UBP01001	M	M	SI S	1E	Y (5)
Combustion air system valves	30XJQ10AA	31UBP01001	M	M	SI S	C/NM	Y (5)
Combustion air system filters/strainers	30XJQ10AT	31UBP01001	M	M	SI S	C/NM	Y (5)
Combustion air system silencers	30XJQ10BS	31UBP01001	M	M	SI S		Y (5)
Combustion air system pressure	30XJQ10CP	31UBP01001	M	M	SI S	1E	Y (5)
Combustion air system valves	30XJQ20AA	32UBP01001	M	M	SI S	C/NM	Y (5)
Combustion air system filters/strainers	30XJQ20AT	32UBP01001	M	M	SI S	C/NM	Y (5)
Combustion air system silencers	30XJQ20BS	32UBP01001	M	M	SI S		Y (5)
Combustion air system pressure	30XJQ20CP	32UBP01001	M	M	SI S	1E	Y (5)
Combustion air system valves	30XJQ30AA	33UBP01001	M	M	SI S	C/NM	Y (5)
Combustion air system filters/strainers	30XJQ30AT	33UBP01001	M	M	SI S	C/NM	Y (5)
Combustion air system silencers	30XJQ30BS	33UBP01001	M	M	SI S		Y (5)
Combustion air system pressure	30XJQ30CP	33UBP01001	M	M	SI S	1E	Y (5)
Combustion air system valves	30XJQ40AA	34UBP01001	M	M	SI S	C/NM	Y (5)
Combustion air system filters/strainers	30XJQ40AT	34UBP01001	M	M	SI S	C/NM	Y (5)
Combustion air system silencers	30XJQ40BS	34UBP01001	M	M	SI S		Y (5)
Combustion air system pressure	30XJQ40CP	34UBP01001	M	M	SI S	1E	Y (5)
Exhaust Gas System valves	30XJR10AA	31UBP01001	M	M	SII NS-AQ	C/NM	Y (5)
Exhaust Gas System Silencers	30XJR10BS	31UBP01001	M	M	SII NS-AQ		Y (5)
Exhaust gas system pressure	30XJR10CP	31UBP01001	M	M	SI S	1E	Y (5)
Exhaust Gas System valves	30XJR20AA	32UBP01001	M	M	SII NS-AQ	C/NM	Y (5)
Exhaust Gas System Silencers	30XJR20BS	32UBP01001	M	M	SII NS-AQ		Y (5)
Exhaust gas system pressure	30XJR20CP	32UBP01001	M	M	SI S	1E	Y (5)
Exhaust Gas System valves	30XJR30AA	33UBP01001	M	M	SII NS-AQ	C/NM	Y (5)
Exhaust Gas System Silencers	30XJR30BS	33UBP01001	M	M	SII NS-AQ		Y (5)
Exhaust gas system pressure	30XJR30CP	33UBP01001	M	M	SI S	1E	Y (5)
Exhaust Gas System valves	30XJR40AA	34UBP01001	M	M	SII NS-AQ	C/NM	Y (5)
Exhaust Gas System Silencers	30XJR40BS	34UBP01001	M	M	SII NS-AQ		Y (5)
Exhaust gas system pressure	30XJR40CP	34UBP01001	M	M	SI S	1E	Y (5)
Lube oil system valves	30XJV10AA	31UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system coolers	30XJV10AC	31UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system pumps	30XJV10AP	31UBP01001	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 117 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Lube oil system filters	30XJV10AT	31UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system tanks	30XJV10BB	31UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system tanks	30XJV10BB	31UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system levels	30XJV10CL	31UBP01001	M	M	SI S	1E	Y (5)
Lube oi system pressures	30XJV10CP	31UBP01001	M	M	SI S	1E	Y (5)
Lube oil system temperatures	30XJV10CT	31UBP01001	M	M	SI S	1E	Y (5)
Lube oil system valves	30XJV20AA	32UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system coolers	30XJV20AC	32UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system pumps	30XJV20AP	32UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system filters	30XJV20AT	32UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system tanks	30XJV20BB	32UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system levels	30XJV20CL	32UBP01001	M	M	SI S	1E	Y (5)
Lube oil system pressures	30XJV20CP	32UBP01001	M	M	SI S	1E	Y (5)
Lube oil system temperatures	30XJV20CT	32UBP01001	M	M	SI S	1E	Y (5)
Lube oil system valves	30XJV30AA	33UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system coolers	30XJV30AC	33UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system pumps	30XJV30AP	33UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system filters	30XJV30AT	33UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system tanks	30XJV30BB	33UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system levels	30XJV30CL	33UBP01001	M	M	SI S	1E	Y (5)
Lube oil system pressures	30XJV30CP	33UBP01001	M	M	SI S	1E	Y (5)
Lube oil system temperatures	30XJV30CT	33UBP01001	M	M	SI S	1E	Y (5)
Lube oil system valves	30XJV40AA	34UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system coolers	30XJV40AC	34UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system pumps	30XJV40AP	34UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system filters	30XJV40AT	34UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system tanks	30XJV40BB	34UBP01001	M	M	SI S	C/NM	Y (5)
Lube oil system levels	30XJV40CL	34UBP01001	M	M	SI S	1E	Y (5)
Lube oil system pressures	30XJV40CP	34UBP01001	M	M	SI S	1E	Y (5)
Lube oil system temperatures	30XJV40CT	34UBP01001	M	M	SI S	1E	Y (5)
Starting air system valves (from the receiver inlet check valve)	30XJX10AA	31UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system starting devices	30XJX10AP	31UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system filters	30XJX10AT	31UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system tanks	30XJX10BB	31UBP01001	M	M	SI S	C/NM	Y (5)
Air start system pressure	30XJX10CP	31UBP01001	M	M	SI S	1E	Y (5)
Starting air system valves (from the receiver inlet check valve)	30XJX20AA	32UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system starting devices	30XJX20AP	32UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system filters	30XJX20AT	32UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system tanks	30XJX20BB	32UBP01001	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
Sheet 118 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Starting air system pressure	30XJX20CP	32UBP01001	M	M	SI S	1E	Y (5)
Starting air system valves (from the receiver inlet check valve)	30XJX30AA	33UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system starting devices	30XJX30AP	33UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system filters	30XJX30AT	33UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system tanks	30XJX30BB	33UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system pressure	30XJX30CP	33UBP01001	M	M	SI S	1E	Y (5)
Starting air system valves (from the receiver inlet check valve)	30XJX40AA	34UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system starting devices	30XJX40AP	34UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system filters	30XJX40AT	34UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system tanks	30XJX40BB	34UBP01001	M	M	SI S	C/NM	Y (5)
Starting air system pressure	30XJX40CP	34UBP01001	M	M	SI S	1E	Y (5)
AC synchronous generator mech.	30XKA10AG	31UBP01001	M	M	SI S	C/NM	Y (5)
AC synchronous generator mech.	30XKA20AG	32UBP01001	M	M	SI S	C/NM	Y (5)
AC synchronous generator mech.	30XKA30AG	33UBP01001	M	M	SI S	C/NM	Y (5)
AC synchronous generator mech.	30XKA40AG	34UBP01001	M	M	SI S	C/NM	Y (5)

### Electrical Systems

#### Class 1E Uninterruptible Power Supply (EUPS)

As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.

#### Emergency Power Supply (EPSS)

As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.

#### Non-Class 1E Uninterruptible Power Supply (NUPS)

As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.

#### Lighting & Small Power System (LGT)

As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.

#### Normal Power Supply (NPSS)

31BBC01 13.8 kV Bus (Switchgear)	31BBC01GS0	31UJK18027	M	M	RT ES	SII NS-AQ	Y (5)
32BBC01 13.8 kV Bus (Switchgear)	32BBC01GS0	32UJK18020	M	M	ES	SII NS-AQ	Y (5)
33BBC01 13.8 kV Bus (Switchgear)	33BBC01GS0	33UJK18020	M	M	ES	SII NS-AQ	Y (5)
34BBC01 13.8 kV Bus (Switchgear)	34BBC01GS0	34UJK18027	M	M	ES	SII NS-AQ	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 119 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
<b>12-Hour Uninterruptible Power Supply (12UPS)</b>							
As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.							
<b>Instrumentation and Control Systems</b>							
<b>Protection System (PS)</b>							
As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.							
<b>Safety Automation System (SAS)</b>							
As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.							
<b>Priority &amp; Actuator Control System (PACS)</b>							
As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.							
<b>Safety Information &amp; Control System (SICS)</b>							
As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.							
<b>Incore Instrumentation System (ICIS)</b>							
As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.							
<b>Excore Instrumentation System (EIS)</b>							
As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.							
<b>Reactor Pressure Vessel Level Measurement System (RPVLM)</b>							
As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.							
<b>Control Rod Drive Control System (CRDCS)</b>							
As a Result of the EQ Program Screening No Components in This System were Identified for Seismic Qualification.							
<b>Hydrogen Monitoring System (HCMS)</b>							

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 120 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
BLACK BOX *JMU10*	30JMU10GH001	31UJH10011	M	H	PAM SI	S	Y(5)
I-V SAMPLE 1 TRAIN 1	30JMU50AA001	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V SAMPLE 2 TRAIN 1	30JMU50AA002	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V SAMPLE 3 TRAIN 1	30JMU50AA003	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V SAMPLE 4 TRAIN 1	30JMU50AA004	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V SENSOR BYPASS	30JMU50AA010	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V UPSTR SENSORS	30JMU50AA011	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V UPSTR SENSORS	30JMU50AA012	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V VACUUM UNIT	30JMU50AA013	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V VACUUM PP	30JMU50AA014	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V BACKFEED TRAIN 1	30JMU50AA015	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V TEST UNIT	30JMU50AA016	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V TEST GAS	30JMU50AA017	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
P ADJ-V	30JMU50AA020	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V PURG N2	30JMU50AA021	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V PURG N2	30JMU50AA022	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V PURG N2	30JMU50AA023	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V PURG N2	30JMU50AA024	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V N2 SUP *QJB*	30JMU50AA031	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
CK-V N2 SUP *QJB*	30JMU50AA032	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V N2 SUP GAS CYL	30JMU50AA034	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V AT BATT P REDU	30JMU50AA035	34UJH10011	M	H	PAM SII	NS-AQ	Y(5)
I-V AT BATT P REDU	30JMU50AA036	34UJH10011	M	H	PAM SII	NS-AQ	Y(5)
I-V AT BATT P REDU	30JMU50AA037	34UJH10011	M	H	PAM SII	NS-AQ	Y(5)
CK-V BACKFEED LINE	30JMU50AA040	30UJA29014	H	H	PAM SII	NS-AQ	Y(5)
PIL-V SAMP I-V	30JMU50AA051	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V SAMP I-V	30JMU50AA052	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V SAMP I-V	30JMU50AA053	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V SAMP I-V	30JMU50AA054	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V SENSOR BYPASS	30JMU50AA060	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V UPSTR SENSORS	30JMU50AA061	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V DNSTR SENSORS	30JMU50AA062	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V VACUUM UNIT	30JMU50AA063	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V BACKFEED LINE	30JMU50AA065	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V TEST UNIT	30JMU50AA066	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V PURG N2	30JMU50AA071	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V PURG N2	30JMU50AA072	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V PURG N2	30JMU50AA073	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V PURG N2	30JMU50AA074	34UJH10010	M	H	PAM SII	NS-AQ	Y(5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 121 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
PRD-V N2 SUP	30JMU50AA101	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
PRD-V N2	30JMU50AA102	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
P ADJ-V DNSTR SENSORS	30JMU50AA103	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
P ADJ-V N2 SUP SOL-V	30JMU50AA104	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
P ADJ-V N2 SUP TEST	30JMU50AA105	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
PRD-V AT BATT P REDU	30JMU50AA111	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
PRD-V AT BATT P REDU	30JMU50AA112	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
S-V N2	30JMU50AA191	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
S-V TEST UNIT	30JMU50AA192	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
S-V AT BATT P REDU	30JMU50AA193	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
I-V	30JMU50AA401	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
I-V	30JMU50AA402	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
D-V VACUUM UNIT	30JMU50AA403	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
D-V AT L TEST UNIT	30JMU50AA404	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
V-V AT BATT P REDU	30JMU50AA501	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
V-V AT BATT P REDU	30JMU50AA502	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
TRAC HT OUTS CONT	30JMU50AH001	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
TRAC HT OUTS CONT	30JMU50AH002	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
TRAC HT OUTS CONT	30JMU50AH003	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
HEATER CONT PEN	30JMU50AH004	30UJA29014	H	H	PAM SII NS-AQ		Y(5)
HEATER CONT PEN	30JMU50AH005	30UJA29014	H	H	PAM SII NS-AQ		Y(5)
HEATER CONT PEN	30JMU50AH006	30UJA29014	H	H	PAM SII NS-AQ		Y(5)
HEATER CONT PEN	30JMU50AH007	30UJA29014	H	H	PAM SII NS-AQ		Y(5)
FAN	30JMU50AN001	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
VACUUM PP	30JMU50AP001	34UJH10010	M	H	PAM SII NS-AQ	C/NM	Y(3) Y(5)
VACUUM PP	30JMU50AP002	34UJH10010	M	H	PAM SII NS-AQ	C/NM	Y(3) Y(5)
VACUUM TANK	30JMU50BB001	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
VACUUM TANK	30JMU50BB002	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
TEST VESSEL	30JMU50BB003	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
GAS CYL N2 SUPP	30JMU50BB011	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
GAS CYL N2 SUPP	30JMU50BB012	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
ATM SAMPLER	30JMU50BZ001	30UJA40001	H	H	PAM SII NS-AQ		Y(5)
ATM SAMPLER	30JMU50BZ002	30UJA29007	H	H	PAM SII NS-AQ		Y(5)
ATM SAMPLER	30JMU50BZ003	30UJA18015	H	H	PAM SII NS-AQ		Y(5)
ATM SAMPLER	30JMU50BZ004	30UJA29004	H	H	PAM SII NS-AQ		Y(5)
PROCESSING UNIT	30JMU50BZ010	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
P REDU STATION	30JMU50BZ020	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
BLACK BOX *JMU50*	30JMU50GH001	34UJH10011	M	H	PAM SII NS-AQ		Y(5)
I-V SAMPLE 1 TRAIN 2	30JMU51AA001	31UJH10010	M	H	PAM SII NS-AQ		Y(5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 122 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
I-V SAMPLE 2 TRAIN 2	30JMU51AA002	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V SAMPLE 3 TRAIN 2	30JMU51AA003	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V SAMPLE 4 TRAIN 2	30JMU51AA004	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V SENSOR BYPASS	30JMU51AA010	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V UPSTR SENSORS	30JMU51AA011	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V UPSTR SENSORS	30JMU51AA012	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V VACUUM UNIT	30JMU51AA013	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V VACUUM PP	30JMU51AA014	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V BACKFEED TRAIN 2	30JMU51AA015	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V TEST UNIT	30JMU51AA016	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V TEST GAS	30JMU51AA017	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
P ADJ-V	30JMU51AA020	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V PURG N2	30JMU51AA021	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V PURG N2	30JMU51AA022	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V PURG N2	30JMU51AA023	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V PURG N2	30JMU51AA024	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V N2 SUP *QJB*	30JMU51AA031	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
CK-V N2 SUP *QJB*	30JMU51AA032	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V N2 SUP GAS CYL	30JMU51AA034	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
I-V AT BATT P REDU	30JMU51AA035	31UJH10011	M	H	PAM SII	NS-AQ	Y(5)
I-V AT BATT P REDU	30JMU51AA036	31UJH10011	M	H	PAM SII	NS-AQ	Y(5)
I-V AT BATT P REDU	30JMU51AA037	31UJH10011	M	H	PAM SII	NS-AQ	Y(5)
CK-V BACKFEED LINE	30JMU51AA040	30UJA29014	H	H	PAM SII	NS-AQ	Y(5)
PIL-V SAMP I-V	30JMU51AA051	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V SAMP I-V	30JMU51AA052	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V SAMP I-V	30JMU51AA053	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V SAMP I-V	30JMU51AA054	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V SENSOR BYPASS	30JMU51AA060	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V UPSTR SENSORS	30JMU51AA061	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V DNSTR SENSORS	30JMU51AA062	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V VACUUM UNIT	30JMU51AA063	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V BACKFEED LINE	30JMU51AA065	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V TEST UNIT	30JMU51AA066	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V PURG N2	30JMU51AA071	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V PURG N2	30JMU51AA072	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V PURG N2	30JMU51AA073	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PIL-V PURG N2	30JMU51AA074	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PRD-V N2 SUP	30JMU51AA101	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)
PRD-V N2	30JMU51AA102	31UJH10010	M	H	PAM SII	NS-AQ	Y(5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 123 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
P ADJ-V DNSTR SENSORS	30JMU51AA103	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
P ADJ-V N2 SUP SOL-V	30JMU51AA104	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
P ADJ-V N2 SUP TEST	30JMU51AA105	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
PRD-V AT BATT P REDU	30JMU51AA111	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
PRD-V AT BATT P REDU	30JMU51AA112	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
S-V N2	30JMU51AA191	34UJH10010	M	H	PAM SII NS-AQ		Y(5)
S-V TEST UNIT	30JMU51AA192	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
S-V AT BATT P REDU	30JMU51AA193	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
I-V	30JMU51AA401	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
I-V	30JMU51AA402	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
D-V VACUUM UNIT	30JMU51AA403	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
D-V AT L TEST UNIT	30JMU51AA404	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
V-V AT BATT P REDU	30JMU51AA501	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
V-V AT BATT P REDU	30JMU51AA502	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
TRAC HT OUTS CONT	30JMU51AH001	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
TRAC HT OUTS CONT	30JMU51AH002	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
TRAC HT OUTS CONT	30JMU51AH003	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
HEATER CONT PEN	30JMU51AH004	30UJA29014	H	H	PAM SII NS-AQ		Y(5)
HEATER CONT PEN	30JMU51AH005	30UJA29014	H	H	PAM SII NS-AQ		Y(5)
HEATER CONT PEN	30JMU51AH006	30UJA29014	H	H	PAM SII NS-AQ		Y(5)
HEATER CONT PEN	30JMU51AH007	30UJA29014	H	H	PAM SII NS-AQ		Y(5)
FAN	30JMU51AN001	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
VACUUM PP	30JMU51AP001	31UJH10010	M	H	PAM SII NS-AQ	C/NM	Y(3) Y(5)
VACUUM PP	30JMU51AP002	31UJH10010	M	H	PAM SII NS-AQ	C/NM	Y(3) Y(5)
VACUUM TANK	30JMU51BB001	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
VACUUM TANK	30JMU51BB002	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
TEST VESSEL	30JMU51BB003	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
GAS CYL N2 SUPP	30JMU51BB011	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
GAS CYL N2 SUPP	30JMU51BB012	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
ATM SAMPLER	30JMU51BZ001	30UJA40001	H	H	PAM SII NS-AQ		Y(5)
ATM SAMPLER	30JMU51BZ002	30UJA29003	H	H	PAM SII NS-AQ		Y(5)
ATM SAMPLER	30JMU51BZ003	30UJA18013	H	H	PAM SII NS-AQ		Y(5)
ATM SAMPLER	30JMU51BZ004	30UJA29008	H	H	PAM SII NS-AQ		Y(5)
PROCESSING UNIT	30JMU51BZ010	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
P REDU STATION	30JMU51BZ020	31UJH10010	M	H	PAM SII NS-AQ		Y(5)
BLACK BOX *JMU51*	30JMU51GH001	31UJH10011	M	H	PAM SII NS-AQ		Y(5)
H2 ISOLATION VALVE UJA	30JMU50AA001	30UJA11016	H	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJH	30JMU50AA002	34UJH10011	M	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJA	30JMU50AA003	30UJA11016	H	H	PAM SI S		Y(5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 124 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
H2 ISOLATION VALVE UJH	30JMU50AA004	34UJH10011	M	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJA	30JMU50AA005	30UJA11016	H	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJH	30JMU50AA006	34UJH10011	M	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJA	30JMU50AA007	30UJA11016	H	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJH	30JMU50AA008	34UJH10011	M	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJH	30JMU50AA009	34UJH10011	M	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJA	30JMU50AA010	30UJA11016	H	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJA	30JMU51AA011	30UJA11013	H	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJH	30JMU51AA012	31UJH10011	M	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJA	30JMU51AA013	30UJA11013	H	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJH	30JMU51AA014	31UJH10011	M	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJA	30JMU51AA015	30UJA11013	H	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJH	30JMU51AA016	31UJH10011	M	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJA	30JMU51AA017	30UJA11013	H	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJH	30JMU51AA018	31UJH10011	M	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJH	30JMU51AA019	31UJH10011	M	H	PAM SI S		Y(5)
H2 ISOLATION VALVE UJA	30JMU51AA020	30UJA11013	H	H	PAM SI S		Y(5)
<b>Radiation Monitoring System (RMS)</b>							
BBX Containment High Range Dose Rate	30JYK00GH007	30UFA29090	M	H	PAM SI S		Y (5)
BBX Containment High Range Dose Rate	30JYK00GH008	30UFA29090	M	H	PAM SI S		Y (5)
BBX Fuel Bldg Ventilation System Gamma	30JYK00GH050	30UFA29045	M	H	ES SI S		Y (5)
BBX Fuel Bldg Ventilation System Gamma	30JYK00GH051	30UFA29045	M	H	ES SI S		Y (5)
BBX Main Control Room Vent Duct Gamma	30JYK00GH061	32UJK31018	M	M	SI S		Y (5)
BBX Main Control Room Vent Duct Gamma	30JYK00GH062	33UJK31018	M	M	SI S		Y (5)

**HVAC Systems**

<b>Containment Building Ventilation System (CBVS)</b>							
KLA1 Containment Iso Valve 42 ft FB	30KLA10AA001	30UFA21095	M	H	ES SI S	C/NM	Y (3) Y (5)
KLA 1 Cont Iso solen glob valv 1	30KLA10AA001A	30UFA21095	M	H	ES SI S	C/NM	Y (3) Y (5)
KLA1 1 Cont Iso Solen glob valv 2	30KLA10AA001B	30UFA21095	M	H	ES SI S	C/NM	Y (3) Y (5)
KLA 1 Containment Iso Valve 42 ft RB	30KLA10AA003	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
KLA1 1 Cont Iso Solen glob valv 3	30KLA10AA003A	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
KLA 5 tech rm Fire Damper Sup	30KLA10AA004	30UJA29015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
KLA1 Staircase Sup Fire Damp	30KLA10AA006	30UJA11020	H	H	SII NS-AQ	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 125 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
KLA 1 Staircase Sup Branch Fire Dmpr	30KLA10AA007	30UJA07013	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
KLA 1 Staircase south Sup Fire Dmpr	30KLA10AA008	30UJA15010	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
KLA 1 Plen Sup Fire Damp	30KLA10AA012	30UFA21065	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
Flame Arrestor KLA 1	30KLA10AT007	30UJA18016	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
KLA 2 Cont Iso Valve 48 ft FB	30KLA20AA001	30UJA23015	H	H	ES SI S	C/NM	Y (4) Y (5)
KLA 2 Cont Iso solen glob Val 48 ft FB	30KLA20AA001A	30UJA23015	H	H	ES SI S	C/NM	Y (4) Y (5)
KLA 2 Cont Iso Valve 48 ft RB	30KLA20AA003	30UFA24045	M	H	ES SI S	C/NM	Y (3) Y (5)
KLA 2 Cont Iso solen glob Val 1 48 ft RB	30KLA20AA003A	30UFA24045	M	H	ES SI S	C/NM	Y (3) Y (5)
KLA 2 Cont Iso solen glob Val 2 48 ft RB	30KLA20AA003B	30UFA24045	M	H	ES SI S	C/NM	Y (3) Y (5)
KLA 5 Tech rm Fire damper Exh	30KLA20AA007	30UJA29015	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
North Staircase Exh Fire Dmpr	30KLA20AA009	30UJA34011	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
South Staircase Exh Fire Dmpr	30KLA20AA010	30UJA29023	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
KLA 2 Fire Damp UFA24045	30KLA20AA011	30UFA24045	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Fire Damp UFA24081	30KLA20AA012	30UFA24081	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Fire Damp UFA24095	30KLA20AA013	30UFA24095	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Fire Damp UFA24053	30KLA20AA014	30UFA24053	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
Flame Arrestor KLA 2	30KLA20AT002	30UJA23016	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
KLA Purge Filtr Tr 1 Man Ch Dmpr	30KLA21AA003	30UFA24085	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
Elec Air Heater KLA 2 Tr 1 Filt	30KLA21AH005	30UFA24081	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Tr 1 Fan	30KLA21AN001	30UFA24085	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Tr 1 Prefilter	30KLA21AT001	30UFA24081	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Tr 1 HEPA Filter	30KLA21AT002	30UFA24081	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Tr 1 Iodine Filter	30KLA21AT003	30UFA24081	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Tr 1 HEPA Post Filter	30KLA21AT004	30UFA24080	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA Purge Filtr Tr 2 Man Ch Dmpr	30KLA22AA003	30UFA24085	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
Elec Air Heater KLA 2 Tr 2 Filt	30KLA22AH005	30UFA24081	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Tr 2 Fan	30KLA22AN001	30UFA24085	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Tr 2 Prefilter	30KLA22AT001	30UFA24081	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Tr 2 HEPA Filter	30KLA22AT002	30UFA24081	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Tr 2 Iodine Filter	30KLA22AT003	30UFA24081	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 2 Tr 2 HEPA Post Filter	30KLA22AT004	30UFA24081	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA Plen Sup Motor Bal Dmpr	30KLA30AA001	30UFA21065	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
KLA 3 Cont Iso Valv 32 ft FB	30KLA30AA002	30UFA17095	M	H	ES SI S	C/NM	Y (3) Y (5)
KLA 3 Cont Iso solen glob valv 1	30KLA30AA002A	30UFA17095	M	H	ES SI S	C/NM	Y (3) Y (5)
KLA 3 Cont Iso Valv 32 ft RB	30KLA30AA003	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
KLA 3 Cont Iso Son Glob Valv 2	30KLA30AA003A	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
Motor Control Dmpr 1 to FB KLL	30KLA30AA004	30UFA21065	M	H	SII NS-AQ	C/NM	Y (3) Y (5)
Op FI Control Damper Sup	30KLA30AA006	30UJA29013	H	H	SII NS-AQ	C/NM	Y (4) Y (5)
Op FI Motorized Control Damper Sup	30KLA30AA007	30UJA29013	H	H	SII NS-AQ	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 126 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
Motor Control Dmpr 2 to FB KLL	30KLA30AA008	30UFA21065	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA 3 Plen Sup Fire Dmpr	30KLA30AA013	30UFA17065	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
Fire Dmpr Plen Sup to FB KLL	30KLA30AA014	30UFA17065	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA 4 Cont Iso Damp 32 ft RB	30KLA40AA001	30UJA18016	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
KLA 4 Cont Iso solen glob val 32 ft RB	30KLA40AA001A	30UJA18016	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
KLA 4 Cont Iso Damp 32 ft FB	30KLA40AA002	30UFA17095	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
KLA 4 Cont Iso Solen glob Val 32 ft FB	30KLA40AA002A	30UFA17095	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
KLA 4 Sup Louver Damper 1	30KLA40AA003	30UJA34015	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
KLA 4 Eq Comp control dmpr	30KLA40AA004	30UJA18016	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
KLA 4 Eq Comp Iso Dmpr	30KLA40AA005	30UJA18016	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
KLA 4 Fire Damper UFA24095	30KLA40AA006	30UFA24095	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA 4 Sup Motor Louver Damper	30KLA40AA007	30UJA34015	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
KLA 4 Sup Louver Damper 2	30KLA40AA008	30UJA34015	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
KLA DP Sens Valve 1 SG3	30KLA60AA701	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA DP Sens Valve 1 FB	30KLA60AA702	30UFA10052	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA DP Sens Valve 1 SG2	30KLA60AA703	32UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA DP Sens Valv 2 FB	30KLA60AA704	30UFA13004	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA 6 Plenum Sup Chk Dmpr 1	30KLA65AA002	30UJA18026	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
KLA 6 Plenum Sup Chk Dmpr 3	30KLA65AA004	30UJA18027	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
KLA 6 Rx Pit Suppy Fan 1	30KLA65AN001	30UJA15026	H	H		SI	S	C/NM	Y (4)	Y (5)
KLA 6 Rx Pit Suppy Fan 3	30KLA65AN002	30UJA15027	H	H		SI	S	C/NM	Y (4)	Y (5)
KLA 6 Plenum Sup Chk Dmpr 2	30KLA66AA002	30UJA15026	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
KLA 6 Plenum Sup Chk Dmpr 4	30KLA66AA004	30UJA15027	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
KLA 6 Rx Pit Supply Fan 2	30KLA66AN001	30UJA15026	H	H		SI	S	C/NM	Y (4)	Y (5)
KLA 6 Rx Pit Supply Fan 4	30KLA66AN002	30UJA15027	H	H		SI	S	C/NM	Y (4)	Y (5)
KLA DP Sens Valv 2 SG3	30KLA70AA701	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA DP Sens Valv 3 SG3	30KLA70AA702	33UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA DP Sens Valv 2 FB	30KLA70AA703	30UFA10052	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA DP Sens Valv 3 FB	30KLA70AA704	30UFA10052	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA DP Sens Valv 2 SG2	30KLA70AA706	32UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA DP Sens Valv 3 SG2	30KLA70AA707	32UJH10002	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA DP Sens Valv 5 FB	30KLA70AA708	30UFA13004	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
KLA DP Sens Valv 4 FB	30KLA70AA709	30UFA13004	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
<b>Annulus Ventilation System (AVS)</b>										
MOTOR OPERATED SUPPLY DAMPER (TRAIN 21)	30KLB21AA003	30UFA17084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
MOTOR OPERATED EXHAUST DAMPER	30KLB21AA004	30UFA17084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 127 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
BACKDRAFT DAMPER (TRAIN 21)	30KLB21AA006	30UFA17083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
KLB KLA DP Sens Valv 1	30KLB21AA701	30UFA10052	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
ELECTRIC HEATER (TRAIN 21)	30KLB21AH001	30UFA17084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EXHAUST FAN (TRAIN 21)	30KLB21AN001	30UFA17083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
PRE-FILTER (TRAIN 21)	30KLB21AT001	30UFA17084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
UPSTREAM HEPA FILTER (TRAIN 21)	30KLB21AT002	30UFA17084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
IODINE ADSORBER (TRAIN 21)	30KLB21AT003	30UFA17084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
DOWNSTREAM HEPA FILTER (TRAIN 21)	30KLB21AT004	30UFA17084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
MOTOR OPERATED SUPPLY DAMPER (TRAIN 24)	30KLB24AA003	30UFA17082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
MOTOR OPERATED EXHAUST DAMPER (TRAIN 24)	30KLB24AA004	30UFA17082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
BACKDRAFT DAMPER (TRAIN 24)	30KLB24AA006	30UFA17081	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
KLB KLA DP Sens Valv 2	30KLB24AA701	30UFA13004	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
ELECTRIC HEATER (TRAIN 24)	30KLB24AH001	30UFA17082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EXHAUST FAN (TRAIN 24)	30KLB24AN001	30UFA17081	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
PRE-FILTER (TRAIN 24)	30KLB24AT001	30UFA17082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
UPSTREAM HEPA FILTER (TRAIN 24)	30KLB24AT002	30UFA17082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
IODINE ADSORBER (TRAIN 24)	30KLB24AT003	30UFA17082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
DOWNSTREAM HEPA FILTER	30KLB24AT004	30UFA17082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
SUPPLY MOTOR OPERATED ISOLATION DAMPER	30KLB34AA002	30UFA21095	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
SUPPLY MOTOR OPERATED ISOLATION DAMPER	30KLB34AA003	30UFA21095	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EXHAUST MOTOR OPERATED ISOLATION DAMPER	30KLB44AA002	30UFA29054	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EXHAUST MOTOR OPERATED ISOLATION DAMPER	30KLB44AA003	30UFA29054	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
ELECTRIC HEATER (TRAIN 21)	30KLB21AH001	30UFA17084	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
ELECTRIC HEATER (TRAIN 24)	30KLB24AH001	30UFA17082	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EXHAUST FAN (TRAIN 21)	30KLB21AN001	30UFA17083	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
EXHAUST FAN (TRAIN 24)	30KLB24AN001	30UFA17081	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
KLB KLA DP Sens Valv 1	30KLB21AA701	30UFA10052	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
KLB KLA DP Sens Valv 2	30KLB24AA701	30UFA13004	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
<b>Safeguard Building Controlled Area Ventilation System (SBVS)</b>										
fire dmpr sup ICP, SG1	30KLC11AA002	31UJH10004	M	H		SII	NS-AQ	C/NM	Y (3)	Y (5)
vol cont dmpr sup, div 1	30KLC11AA003	31UJH05025	M	H	SI	S		C/NM	Y (3)	Y (5)
iso dmpr 1 sup, div 1	30KLC11AA004	31UJH05025	M	H	SI	S		C/NM	Y (3)	Y (5)
iso dmpr 2 sup, div 1	30KLC11AA005	31UJH05025	M	H	SI	S		C/NM	Y (3)	Y (5)
fire dmpr sup, div 1, SG1	30KLC11AA006	31UJH05008	M	H	SII	NS-AQ		C/NM	Y (3)	Y (5)
sup is dmpr, div 1, SG1	30KLC11AA007	31UJH05006	M	H	SI	S		C/NM	Y (3)	Y (5)
sup dmpr KAA vlv rm, anteroom, SG1	30KLC11AA008	31UJH10004	M	H	SII	NS-AQ		C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 128 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area	EQ Environment (Note 1)	Radiation	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)	
		KKS ID (Room Location)		Environment Zone (Note 2)				
fire dmpr ICP 1, SG2	30KLC12AA002	32UJH10003	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
vol cont dmpr sup, div 2	30KLC12AA003	32UJH01020	M	H	SI S	C/NM	Y (3)	Y (5)
sup iso dmpr 1, div 2	30KLC12AA004	32UJH01020	M	H	SI S	C/NM	Y (3)	Y (5)
sup iso dmpr 2, div 2	30KLC12AA005	32UJH01020	M	H	SI S	C/NM	Y (3)	Y (5)
fire dmpr 1 sup, div 2	30KLC12AA006	32UJH01005	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
fire dmpr 2 sup, div 2	30KLC12AA008	32UJH01001	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
sup iso dmpr 1, air lock, SG2	30KLC12AA009	32UJH10006	M	H	SI S	C/NM	Y (3)	Y (5)
sup iso dmpr 2, air lock, SG2	30KLC12AA010	32UJH10006	M	H	SI S	C/NM	Y (3)	Y (5)
sup fire dmpr, ICP, SG3	30KLC13AA002	33UJH10003	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
vol cont dmpr sup, div 3	30KLC13AA003	33UJH01020	M	H	SI S	C/NM	Y (3)	Y (5)
sup iso dmpr 1, div 3	30KLC13AA004	33UJH01020	M	H	SI S	C/NM	Y (3)	Y (5)
sup iso dmpr 2, div 3	30KLC13AA005	33UJH01020	M	H	SI S	C/NM	Y (3)	Y (5)
sup fire dmpr, serv corr, div 3	30KLC13AA006	33UJH01005	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
sup fire dmpr, staircase, div 3	30KLC13AA008	33UJH01001	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
sup fire dmpr 1, ICP, SG4	30KLC14AA002	34UJH10002	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
vol cont dmpr sup, div 4	30KLC14AA003	34UJH05025	M	H	SI S	C/NM	Y (3)	Y (5)
sup iso dmpr 1, div 4	30KLC14AA004	34UJH05025	M	H	SI S	C/NM	Y (3)	Y (5)
sup iso dmpr 2, div 4	30KLC14AA005	34UJH05025	M	H	SI S	C/NM	Y (3)	Y (5)
sup fire dmpr, serv corr, div 4	30KLC14AA006	34UJH05006	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
sup iso dmpr, div 4	30KLC14AA007	34UJH05006	M	H	SI S	C/NM	Y (3)	Y (5)
fire dmpr exh ICP, SG1	30KLC21AA001	31UJH10011	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
exh iso dmpr, SG1	30KLC21AA005	31UJH10004	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex vol cntrl dmpr, div 1	30KLC21AA006	31UJH10010	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex iso dmpr 1, div 1	30KLC21AA007	31UJH10010	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex iso dmpr 2, div 1	30KLC21AA008	31UJH10010	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex fire dmpr, div 1	30KLC21AA009	31UJH10004	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
fire dmpr ICP 2, SG2	30KLC22AA001	32UJH10003	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
oper ex vol cntrl dmpr, div 2	30KLC22AA006	32UJH10002	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex iso dmpr 1, div 2	30KLC22AA007	32UJH10002	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex iso dmpr 2, div 2	30KLC22AA008	32UJH10002	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex iso dmpr 2, div 2	30KLC22AA009	32UJH10002	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
exh iso dmpr, air lock, SG2	30KLC22AA010	32UJH10006	M	H	SI S	C/NM	Y (3)	Y (5)
stairwell fire dmpr 1, SG2	30KLC22AA011	32UJH05001	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
exh fire dmpr, ICP, SG3	30KLC23AA001	33UJH10003	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
oper ex vol cntrl dmpr, div 3	30KLC23AA006	33UJH10002	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex iso dmpr 1, div 3	30KLC23AA007	33UJH10002	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex iso dmpr 2, div 3	30KLC23AA008	33UJH10002	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex fire dmpr, div 3	30KLC23AA009	33UJH10002	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
stairwell fire dmpr 1, SG3	30KLC23AA011	33UJH05001	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 129 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)	
sup fire dmpr 2, ICP, SG4	30KLC24AA001	34UJH10011	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
sup iso dmpr, JMU rm, SG4	30KLC24AA002	34UJH10004	M	H	SI S	C/NM	Y (3)	Y (5)
sup iso dmpr, anteroom, div 4	30KLC24AA003	34UJH05006	M	H	SI S	C/NM	Y (3)	Y (5)
sup iso dmpr, anteroom, div 4	30KLC24AA004	34UJH01011	M	H	SI S	C/NM	Y (3)	Y (5)
exh iso dmpr, div 4	30KLC24AA005	34UJH10004	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex vol cntrl dmpr, div 4	30KLC24AA006	34UJH10010	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex iso dmpr 1, div 4	30KLC24AA007	34UJH10010	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex iso dmpr 2, div 4	30KLC24AA008	34UJH10010	M	H	SI S	C/NM	Y (3)	Y (5)
oper ex fire dmpr, div 4	30KLC24AA009	34UJH10004	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
acc ex iso dmpr vlv rm, div 1	30KLC31AA001	31UJH10004	M	H	SI S	C/NM	Y (3)	Y (5)
acc ex fire dmpr vlv rm, div 1	30KLC31AA002	31UJH10004	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
acc ex iso dmpr vlv rm, div 2	30KLC32AA001	32UJH10002	M	H	SI S	C/NM	Y (3)	Y (5)
acc ex fire dmpr vlv rm, div 2	30KLC32AA002	32UJH10002	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
acc ex iso dmpr vlv rm, div 3	30KLC33AA001	33UJH10002	M	H	SI S	C/NM	Y (3)	Y (5)
acc ex fire dmpr vlv rm, div 3	30KLC33AA002	33UJH10002	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
acc ex iso dmpr vlv rm, div 4	30KLC34AA001	34UJH10004	M	H	SI S	C/NM	Y (3)	Y (5)
acc ex fire dmpr vlv rm, div 4	30KLC34AA002	34UJH10004	M	H	SII NS-AQ	C/NM	Y (3)	Y (5)
iso dmpr 1, acc ex tr 1	30KLC41AA001	30UFA21082	M	H	SI S	C/NM	Y (3)	Y (5)
iso dmpr 2, acc ex tr 1	30KLC41AA002	30UFA21082	M	H	SI S	C/NM	Y (3)	Y (5)
check dmpr, acc ex tr 1	30KLC41AA003	30UFA21083	M	H	SI S	C/NM	Y (3)	Y (5)
elec air preheater, accident filtr tr 1	30KLC41AH001	30UFA21082	M	H	SI S	C/NM	Y (3)	Y (5)
exhaust fan, accident filtr tr 1	30KLC41AN001	30UFA21083	M	H	SI S	C/NM	Y (3)	Y (5)
prefilter/moisture separator, accident filtr tr 1	30KLC41AT001	30UFA21082	M	H	SI S	C/NM	Y (3)	Y (5)
HEPA prefilter, accident filtr tr 1	30KLC41AT002	30UFA21082	M	H	SI S	C/NM	Y (3)	Y (5)
iodine filter, accident filtr tr 1	30KLC41AT003	30UFA21082	M	H	SI S	C/NM	Y (3)	Y (5)
HEPA postfilter, accident filtr tr 1	30KLC41AT004	30UFA21082	M	H	SI S	C/NM	Y (3)	Y (5)
iso dmpr 1, acc ex tr 2	30KLC42AA001	30UFA21084	M	H	SI S	C/NM	Y (3)	Y (5)
iso dmpr 2, acc ex tr 2	30KLC42AA002	30UFA21084	M	H	SI S	C/NM	Y (3)	Y (5)
check dmpr, acc ex tr 2	30KLC42AA003	30UFA21083	M	H	SI S	C/NM	Y (3)	Y (5)
elec air preheater, accident filtr tr 2	30KLC42AH001	30UFA21084	M	H	SI S	C/NM	Y (3)	Y (5)
exhaust fan, accident filtr tr 2	30KLC42AN001	30UFA21081	M	H	SI S	C/NM	Y (3)	Y (5)
prefilter/moisture separator, accident filtr tr 2	30KLC42AT001	30UFA21084	M	H	SI S	C/NM	Y (3)	Y (5)
HEPA prefilter, accident filtr tr 2	30KLC42AT002	30UFA21084	M	H	SI S	C/NM	Y (3)	Y (5)
iodine filter, accident filtr tr 2	30KLC42AT003	30UFA21084	M	H	SI S	C/NM	Y (3)	Y (5)
HEPA postfilter, accident filtr tr 2	30KLC42AT004	30UFA21084	M	H	SI S	C/NM	Y (3)	Y (5)
acc ex sw iso dmpr 1	30KLC45AA001	30UFA21095	M	H	SI S	C/NM	Y (3)	Y (5)
acc ex sw iso dmpr 2	30KLC45AA002	30UFA21095	M	H	SI S	C/NM	Y (3)	Y (5)
acc ex sw iso dmpr 3	30KLC45AA003	30UFA29045	M	H	SI S	C/NM	Y (3)	Y (5)
acc ex sw iso dmpr 4	30KLC45AA004	30UFA29045	M	H	SI S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 130 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
acc ex sw iso dmpr 5	30KLC45AA005	30UFA24045	M	H	SI S	C/NM	Y (3) Y (5)
acc ex sw iso dmpr 6	30KLC45AA006	30UFA24045	M	H	SI S	C/NM	Y (3) Y (5)
chiller recirc unit, KLC SG1	30KLC51AC001	31UJH05004	M	H	SI S	C/NM	Y (3) Y (5)
chiller recirc unit, KAA vlv rm, SG1	30KLC51AC002	31UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
chiller recirc unit, JMU rm, SG1	30KLC51AC003	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
fan recirc unit, KLC SG1	30KLC51AN001	31UJH05004	M	H	SI S	C/NM	Y (3) Y (5)
fan recirc unit, KAA vlv rm, SG1	30KLC51AN002	31UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
fan recirc unit, JMU rm, SG1	30KLC51AN003	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
sep recirc unit, KLC SG1	30KLC51AT001	31UJH05004	M	H	SI S	C/NM	Y (3) Y (5)
sep recirc unit, KAA vlv rm, SG1	30KLC51AT002	31UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
sep recirc unit, JMU rm, SG1	30KLC51AT003	31UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
chiller recirc unit, KLC SG2	30KLC52AC001	32UJH05002	M	H	SI S	C/NM	Y (3) Y (5)
chiller recirc unit, vlv rm, KLC SG2	30KLC52AC002	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
fan recirc unit, KLC SG2	30KLC52AN001	32UJH05002	M	H	SI S	C/NM	Y (3) Y (5)
fan recirc unit, vlv rm, KLC SG2	30KLC52AN002	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
sep recirc unit, vlv rm, KLC SG2	30KLC52AT001	32UJH05002	M	H	SI S	C/NM	Y (3) Y (5)
sep recirc unit, vlv rm, KLC SG2	30KLC52AT002	32UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
chiller recirc unit, KLC SG3	30KLC53AC001	33UJH05002	M	H	SI S	C/NM	Y (3) Y (5)
chiller recirc unit, vlv rm, KLC SG3	30KLC53AC002	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
fan recirc unit, KLC SG3	30KLC53AN001	33UJH05002	M	H	SI S	C/NM	Y (3) Y (5)
fan recirc unit, vlv rm, KLC SG3	30KLC53AN002	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
sep recirc unit, vlv rm, KLC SG3	30KLC53AT001	33UJH05002	M	H	SI S	C/NM	Y (3) Y (5)
sep recirc unit, vlv rm, KLC SG3	30KLC53AT002	33UJH10002	M	H	SI S	C/NM	Y (3) Y (5)
chiller recirc unit, KLC SG4	30KLC54AC001	34UJH05004	M	H	SI S	C/NM	Y (3) Y (5)
chiller recirc unit, KAA vlv rm, SG4	30KLC54AC002	34UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
chiller recirc unit, JMU rm, SG4	30KLC54AC003	34UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
fan recirc unit, KLC SG4	30KLC54AN001	34UJH05004	M	H	SI S	C/NM	Y (3) Y (5)
fan recirc unit, KAA vlv rm, SG4	30KLC54AN002	34UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
fan recirc unit, JMU rm, SG4	30KLC54AN003	34UJH10010	M	H	SI S	C/NM	Y (3) Y (5)
sep recirc unit, KLC SG4	30KLC54AT001	34UJH05004	M	H	SI S	C/NM	Y (3) Y (5)
sep recirc unit, KAA vlv rm, SG4	30KLC54AT002	34UJH10004	M	H	SI S	C/NM	Y (3) Y (5)
<b>Electrical Division of Safeguard Building Ventilation System (SBVSE)</b>							
SUPPLY AIR COOLER	30SAC03AC001	33UJK34009	M	M	SI S		Y (5)
HUMIDIFIER HEATER	30SAC03AH003	33UJK31005	M	M	SI S	C/NM	Y (5)
HUMIDIFIER HEATER	30SAC03AH004	33UJK31005	M	M	SI S	C/NM	Y (5)
AIR INLET OUTSIDE AIR	30SAC03AT001	33UJK38006	M	M	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 131 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
INSECT SCREEN SUPPLY AIR	30SAC03AT003	33UJK38006	M	M	SI S		Y (5)
SUPPLY AIR PRE FILTER	30SAC03AT004	33UJK34006	M	M	SI S	C/NM	Y (5)
SUPPLY AIR HUMIDIFIER	30SAC03AT008	33UJK31005	M	M	SI S		Y (5)
SUPPLY AIR ROUGHING FILTER	30SAC03AT005	33UJK34007	M	M	SI S	C/NM	Y (5)
MOISTURE SEPARATOR SUPPLY AIR COOLER	30SAC03AT006	33UJK34009	M	M	SI S		Y (5)
SUPPLY AIR SILENCER	30SAC03BS001	33UJK31007	M	M	SI S		Y (5)
SUPPLY AIR SILENCER	30SAC03BS002	33UJK31007	M	M	SI S		Y (5)
RECIRC AIR SILENCER	30SAC03BS003	33UJK31032	M	M	SI S		Y (5)
EXHAUST SCREEN	30SAC23AT001	33UJK31045	M	M	SI S		Y (5)
EXHAUST SCREEN	30SAC23AT002	33UJK31045	M	M	SI S		Y (5)
EXHAUST AIR SILENCER	30SAC23BS001	33UJK31032	M	M	SI S		Y (5)
EXHAUST AIR SILENCER	30SAC33BS002	33UJK31032	M	M	SI S		Y (5)
BATTERY ROOM EXHAUST SILENCER	30SAC43BS001	33UJK31032	M	M	SI S		Y (5)
BATTERY ROOM EXHAUST SILENCER	30SAC43BS002	33UJK31032	M	M	SI S		Y (5)
LAS PUMP ROOM RECIRC COOLER	30SAC63AC001	33UJH01024	M	H	SI S		Y (5)
CAA PUMP ROOM RECIRC COOLER	30SAC63AC002	33UJH01020	M	H	SI S		Y (5)
MOISTURE SEPARATOR RECIRC COOLER	30SAC63AT001	33UJH01024	M	H	SI S		Y (5)
MOISTURE SEPARATOR RECIRC COOLER	30SAC63AT002	33UJH01020	M	H	SI S		Y (5)
FAN MOTOR HEATER	30SAC03AH501	33UJK31007	M	M	SI S	C/NM	Y (5)
SUPPLY AIR FAN	30SAC03AN001	33UJK31007	M	M	SI S	C/NM	Y (5)
BATTERY ROOM SUPPLY AIR HEATER	30SAC13AH001	33UJK22028	M	M	SI S	C/NM	Y (5)
EXHAUST FAN	30SAC33AN001	33UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY ROOM EXHAUST FAN	30SAC53AN001	33UJK31032	M	M	SI S	C/NM	Y (5)
LAS PUMP ROOM RECIRC FAN	30SAC63AN001	33UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
CAA PUMP ROOM RECIRC FAN	30SAC63AN002	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
SUPPLY AIR COOLER	30SAC04AC001	34UJK22026	M	M	SI S		Y (5)
AIR INLET OUTSIDE AIR	30SAC04AT001	34UJK22026	M	M	SI S		Y (5)
INSECT SCREEN SUPPLY AIR	30SAC04AT003	34UJK22026	M	M	SI S		Y (5)
SUPPLY AIR PRE FILTER	30SAC04AT004	34UJK22026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ROUGHING FILTER	30SAC04AT005	34UJK22026	M	M	SI S	C/NM	Y (5)
MOISTURE SEPARATOR SUPPLY AIR COOLER	30SAC04AT006	34UJK22026	M	M	SI S		Y (5)
SUPPLY AIR SILENCER	30SAC04BS001	34UJK22026	M	M	SI S		Y (5)
SUPPLY AIR SILENCER	30SAC04BS002	34UJK22026	M	M	SI S		Y (5)
RECIRC AIR SILENCER	30SAC04BS003	34UJK22039	M	M	SI S		Y (5)
EXHAUST SCREEN	30SAC24AT001	34UJK22038	M	M	SI S		Y (5)
EXHAUST SCREEN	30SAC24AT002	34UJK22038	M	M	SI S		Y (5)
EXHAUST AIR SILENCER	30SAC24BS001	34UJK22039	M	M	SI S		Y (5)
EXHAUST AIR SILENCER	30SAC24BS002	34UJK22039	M	M	SI S		Y (5)
BATTERY ROOM EXHAUST SILENCER	30SAC44BS001	34UJK22028	M	M	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 132 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
BATTERY ROOM EXHAUST SILENCER	30SAC44BS002	34UJK22028	M	M	SI S		Y (5)
LAS PUMP ROOM RECIRC COOLER	30SAC64AC001	34UJH01024	M	H	SI S		Y (5)
KAA PUMP ROOM RECIRC COOLER	30SAC64AC002	34UJH01026	M	H	SI S		Y (5)
MOISTURE SEPARATOR RECIRC COOLER	30SAC64AT001	34UJH01024	M	H	SI S		Y (5)
MOISTURE SEPARATOR RECIRC COOLER	30SAC64AT002	34UJH01026	M	H	SI S		Y (5)
EXHAUST FAN MOTOR HEATER	30SAC33AH501	33UJK31032	M	M	SI S	C/NM	Y (5)
SUPPLY AIR HEATER	30SAC03AH002	33UJK34008	M	M	SI S	C/NM	Y (5)
HEAT TRACING OUTSIDE AIR	30SAC03AH001	33UJK38006	M	M	SI S	C/NM	Y (5)
SUPPLY AIR COOLER	30SAC02AC001	32UJK34009	M	M	SI S		Y (5)
HUMIDIFIER HEATER	30SAC02AH003	32UJK31005	M	M	SI S	C/NM	Y (5)
HUMIDIFIER HEATER	30SAC02AH004	32UJK31005	M	M	SI S	C/NM	Y (5)
AIR INLET OUTSIDE AIR	30SAC02AT001	32UJK38006	M	M	SI S		Y (5)
INSECT SCREEN SUPPLY AIR	30SAC02AT003	32UJK38006	M	M	SI S		Y (5)
SUPPLY AIR HUMIDIFIER	30SAC02AT007	32UJK31005	M	M	SI S		Y (5)
SUPPLY AIR PRE FILTER	30SAC02AT004	32UJK34006	M	M	SI S	C/NM	Y (5)
SUPPLY AIR HUMIDIFIER	30SAC02AT008	32UJK31005	M	M	SI S		Y (5)
SUPPLY AIR ROUGHING FILTER	30SAC02AT005	32UJK34007	M	M	SI S	C/NM	Y (5)
MOISTURE SEPARATOR SUPPLY AIR COOLER	30SAC02AT006	32UJK34009	M	M	SI S		Y (5)
AIR INLET OUTSIDE AIR	30SAC02AT010	32UJK38006	M	M	SI S		Y (5)
SUPPLY AIR SILENCER	30SAC02BS001	32UJK31007	M	M	SI S		Y (5)
SUPPLY AIR SILENCER	30SAC02BS002	32UJK31007	M	M	SI S		Y (5)
RECIRC AIR SILENCER	30SAC02BS003	32UJK31032	M	M	SI S		Y (5)
EXHAUST SCREEN	30SAC22AT001	32UJK31045	M	M	SI S		Y (5)
EXHAUST SCREEN	30SAC22AT002	32UJK31045	M	M	SI S		Y (5)
EXHAUST AIR SILENCER	30SAC22BS001	32UJK31032	M	M	SI S		Y (5)
EXHAUST AIR SILENCER	30SAC32BS002	32UJK31032	M	M	SI S		Y (5)
BATTERY ROOM EXHAUST SILENCER	30SAC42BS001	32UJK31032	M	M	SI S		Y (5)
BATTERY ROOM EXHAUST SILENCER	30SAC42BS002	32UJK31032	M	M	SI S		Y (5)
LAS PUMP ROOM RECIRC COOLER	30SAC62AC001	32UJH01024	M	H	SI S		Y (5)
KAA PUMP ROOM RECIRC COOLER	30SAC62AC002	32UJH01020	M	H	SI S		Y (5)
MOISTURE SEPARATOR RECIRC COOLER	30SAC62AT001	32UJH01024	M	H	SI S		Y (5)
MOISTURE SEPARATOR RECIRC COOLER	30SAC62AT002	32UJH01020	M	H	SI S		Y (5)
HEAT TRACING OUTSIDE AIR	30SAC04AH001	34UJK22026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR HEATER	30SAC04AH002	34UJK22026	M	M	SI S	C/NM	Y (5)
FAN MOTOR HEATER	30SAC04AH501	34UJK22026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR FAN	30SAC04AN001	34UJK22026	M	M	SI S	C/NM	Y (5)
BATTERY ROOM SUPPLY AIR HEATER	30SAC14AH001	34UJK18027	M	M	SI S	C/NM	Y (5)
BATTERY ROOM SUPPLY AIR HEATER	30SAC14AH002	34UJK14026	M	M	SI S	C/NM	Y (5)
TOILET SUPPLY AIR HEATER	30SAC18AH001	34UJH10024	M	H	SI S	C/NM	Y (3) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 133 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
EXHAUST FAN MOTOR HEATER	30SAC34AH501	34UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST FAN	30SAC34AN001	34UJK22039	M	M	SI S	C/NM	Y (5)
BATTERY ROOM EXHAUST FAN	30SAC54AN001	34UJK22028	M	M	SI S	C/NM	Y (5)
LAS PUMP ROOM RECIRC FAN	30SAC64AN001	34UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
CAA PUMP ROOM RECIRC FAN	30SAC64AN002	34UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
SUPPLY AIR HUMIDIFIER	30SAC04AT007	34UJK22026	M	M	SI S		Y (5)
SUPPLY AIR HUMIDIFIER	30SAC04AT008	34UJK22026	M	M	SI S		Y (5)
TOILET SUPPLY AIR HEATER	30SAC14AH003	34UJK26021	M	M	SI S	C/NM	Y (5)
HEAT TRACING OUTSIDE AIR	30SAC02AH001	32UJK38006	M	M	SI S	C/NM	Y (5)
SUPPLY AIR HEATER	30SAC02AH002	32UJK34008	M	M	SI S	C/NM	Y (5)
FAN MOTOR HEATER	30SAC02AH501	32UJK31007	M	M	SI S	C/NM	Y (5)
SUPPLY AIR FAN	30SAC02AN001	32UJK31007	M	M	SI S	C/NM	Y (5)
BATTERY ROOM SUPPLY AIR HEATER	30SAC12AH001	32UJK22028	M	M	SI S	C/NM	Y (5)
EXHAUST FAN MOTOR HEATER	30SAC32AH501	32UJK31032	M	M	SI S	C/NM	Y (5)
EXHAUST FAN	30SAC32AN001	32UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY ROOM EXHAUST FAN	30SAC52AN001	32UJK31032	M	M	SI S	C/NM	Y (5)
LAS PUMP ROOM RECIRC FAN	30SAC62AN001	32UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
CAA PUMP ROOM RECIRC FAN	30SAC62AN002	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
BATTERY ROOM SUPPLY AIR HEATER	30SAC11AH002	31UJK14026	M	M	SI S	C/NM	Y (5)
BATTERY ROOM SUPPLY AIR HEATER	30SAC11AH001	31UJK18027	M	M	SI S	C/NM	Y (5)
RECIRC AIR SILENCER	30SAC01BS003	31UJK22039	M	M	SI S		Y (5)
EXHAUST SCREEN	30SAC21AT001	31UJK22038	M	M	SI S		Y (5)
EXHAUST SCREEN	30SAC21AT002	31UJK22038	M	M	SI S		Y (5)
EXHAUST AIR SILENCER	30SAC21BS001	31UJK22039	M	M	SI S		Y (5)
EXHAUST AIR SILENCER	30SAC21BS002	31UJK22039	M	M	SI S		Y (5)
EXHAUST FAN MOTOR HEATER	30SAC31AH501	31UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST FAN	30SAC31AN001	31UJK22039	M	M	SI S	C/NM	Y (5)
BATTERY ROOM EXHAUST SILENCER	30SAC41BS001	31UJK22030	M	M	SI S		Y (5)
BATTERY ROOM EXHAUST SILENCER	30SAC41BS002	31UJK22030	M	M	SI S		Y (5)
BATTERY ROOM EXHAUST FAN	30SAC51AN001	31UJK22030	M	M	SI S	C/NM	Y (5)
SUPPLY AIR COOLER	30SAC01AC001	31UJK22026	M	M	SI S		Y (5)
HEAT TRACING OUTSIDE AIR	30SAC01AH001	31UJK22026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR HEATER	30SAC01AH002	31UJK22026	M	M	SI S	C/NM	Y (5)
HUMIDIFIER HEATER	30SAC01AH003	31UJK22026	M	M	SI S		Y (5)
HUMIDIFIER HEATER	30SAC01AH004	31UJK22026	M	M	SI S		Y (5)
FAN MOTOR HEATER	30SAC01AH501	31UJK22026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR FAN	30SAC01AN001	31UJK22026	M	M	SI S	C/NM	Y (5)
AIR INLET OUTSIDE AIR	30SAC01AT001	31UJK22026	M	M	SI S		Y (5)
INSECT SCREEN SUPPLY AIR	30SAC01AT003	31UJK22026	M	M	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 134 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
SUPPLY AIR PRE FILTER	30SAC01AT004	31UJK22026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ROUGHING FILTER	30SAC01AT005	31UJK22026	M	M	SI S	C/NM	Y (5)
MOISTURE SEPARATOR SUPPLY AIR COOLER	30SAC01AT006	31UJK22026	M	M	SI S		Y (5)
SUPPLY AIR HUMIDIFIER	30SAC01AT007	31UJK22026	M	M	SI S		Y (5)
SUPPLY AIR HUMIDIFIER	30SAC01AT008	31UJK22026	M	M	SI S		Y (5)
SUPPLY AIR SILENCER	30SAC01BS001	31UJK22026	M	M	SI S		Y (5)
SUPPLY AIR SILENCER	30SAC01BS002	31UJK22026	M	M	SI S		Y (5)
TOILET SUPPLY AIR HEATER	30SAC11AH003	31UJK26021	M	M	SI S	C/NM	Y (5)
TOILET SUPPLY AIR HEATER	30SAC15AH001	31UJH10024	M	H	SI S	C/NM	Y (3) Y (5)
LAS PUMP ROOM RECIRC COOLER	30SAC61AC001	31UJH01024	M	H	SI S		Y (5)
KAA PUMP ROOM RECIRC COOLER	30SAC61AC002	31UJH01026	M	H	SI S		Y (5)
LAS PUMP ROOM RECIRC FAN	30SAC61AN001	31UJH01024	M	H	SI S	C/NM	Y (3) Y (5)
KAA PUMP ROOM RECIRC FAN	30SAC61AN002	31UJH01026	M	H	SI S	C/NM	Y (3) Y (5)
MOISTURE SEPARATOR RECIRC COOLER	30SAC61AT001	31UJH01024	M	H	SI S		Y (5)
MOISTURE SEPARATOR RECIRC COOLER	30SAC61AT002	31UJH01026	M	H	SI S		Y (5)
HUMIDIFIER HEATER	30SAC04AH004	34UJK22026	M	M	SI S		Y (5)
HUMIDIFIER HEATER	30SAC04AH003	34UJK22026	M	M	SI S		Y (5)
PRESSURE WAVE PROTECTION DAMPER	30SAC04AA001	34UJK22026	M	M	SI S	C/NM	Y (5)
OUTSIDE AIR ISOLATION DAMPER	30SAC04AA002	34UJK22026	M	M	SI S	C/NM	Y (5)
OUTSIDE AIR CONTROL DAMPER	30SAC04AA003	34UJK22026	M	M	SI S	C/NM	Y (5)
RECIRC AIR CONTROL DAMPER	30SAC04AA004	34UJK22028	M	M	SI S	C/NM	Y (5)
SUPPLY AIR BACKDRAFT DAMPER	30SAC04AA005	34UJK22026	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC21AA004	31UJK31027	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC21AA005	31UJK14026	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC21AA006	31UJK14031	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC21AA007	31UJK18025	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC21AA008	31UJK18027	M	M	SI S	C/NM	Y (5)
RETURN AIR ADJUSTABLE DAMPER	30SAC21AA009	31UJK18031	M	M	SI S	C/NM	Y (5)
RETURN AIR ADJUSTABLE DAMPER	30SAC21AA010	31UJK18025	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC21AA011	31UJK18031	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC21AA012	31UJK18031	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC21AA013	31UJK18031	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC21AA014	31UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC21AA016	31UJK18031	M	M	SI S	C/NM	Y (5)
EXHAUST AIR PRESSURE PROT DAMPER	30SAC21AA020	31UJK22038	M	M	SI S	C/NM	Y (5)
MAINT EXHAUST AIR ISOLATION DAMPER	30SAC22AA001	32UJK31032	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA006	32UJK14020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA007	32UJK18002	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA008	32UJK18005	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 135 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
FIRE DAMPER	30SAC22AA010	32UJK18020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA011	32UJK18020	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC22AA012	32UJK18020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA013	32UJK18020	M	M	SI S	C/NM	Y (5)
EXHAUST AIR DIV 3 CONTROL DAMPER	30SAC22AA015	32UJK22020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA016	32UJK22004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA017	32UJK22004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA018	32UJK22028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA019	32UJK22028	M	M	SI S	C/NM	Y (5)
EXHAUST AIR PRESSURE PROT DAMPER	30SAC22AA020	32UJK22028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA021	32UJK22028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA023	32UJK31040	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA024	32UJK31040	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA025	32UJK31040	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA026	32UJK31036	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA027	32UJK31036	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA028	32UJK31020	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC22AA029	32UJK31032	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA031	32UJK18005	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC22AA032	32UJK22028	M	M	SI S	C/NM	Y (5)
MAINT EXHAUST AIR ISOLATION DAMPER	30SAC23AA001	33UJK31032	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ISOLATION DAMPER	30SAC11AA001	31UJK22024	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ISOLATION DAMPER	30SAC11AA003	31UJK22024	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA004	31UJK22026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA005	31UJK22026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA006	31UJK22024	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA007	31UJK22024	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA006	33UJK14020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA007	33UJK18002	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA008	33UJK18004	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC23AA009	33UJK18020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA010	33UJK18020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA011	33UJK18020	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC23AA012	33UJK18020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA013	33UJK18020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA014	33UJK22030	M	M	SI S	C/NM	Y (5)
EXHAUST AIR DIV 3 CONTROL DAMPER	30SAC23AA015	33UJK22030	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA016	33UJK22004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA017	33UJK22004	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 136 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
FIRE DAMPER	30SAC23AA018	33UJK22028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA019	33UJK22028	M	M	SI S	C/NM	Y (5)
EXHAUST AIR PRESSURE PROT DAMPER	30SAC23AA020	33UJK31045	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA008	31UJK22024	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA009	31UJK31027	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA010	31UJK34024	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA011	31UJK18033	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA012	31UJK18033	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA013	31UJK18026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA014	31UJK18026	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA015	31UJK18033	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA016	31UJK18022	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA017	31UJK18022	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA018	31UJK18027	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA019	31UJK18024	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA020	31UJK18027	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA021	31UJK18027	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA022	31UJK14033	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA023	31UJK14025	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA024	31UJK14022	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA025	31UJK14026	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA021	33UJK22028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA022	33UJK22030	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA023	33UJK31040	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA024	33UJK31040	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA025	33UJK31040	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA026	33UJK31036	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA027	33UJK31036	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA028	33UJK31020	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC23AA029	33UJK31032	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA031	33UJK18004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC23AA032	33UJK22028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA027	31UJK14026	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA028	31UJK14021	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC11AA029	31UJK14026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA030	31UJK18027	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC11AA031	31UJK18027	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC24AA001	34UJK34022	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC24AA003	34UJK34024	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 137 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
EXHAUST AIR FIRE DAMPER	30SAC24AA004	34UJK31027	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC24AA005	34UJK14026	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC24AA006	34UJK14031	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC24AA007	34UJK18025	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC24AA008	34UJK18024	M	M	SI S	C/NM	Y (5)
RETURN AIR ADJUSTABLE DAMPER	30SAC24AA009	34UJK18031	M	M	SI S	C/NM	Y (5)
RETURN AIR ADJUSTABLE DAMPER	30SAC24AA010	34UJK18025	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC24AA011	34UJK18031	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC24AA012	34UJK18031	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC24AA013	34UJK18031	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC24AA014	34UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC24AA016	34UJK18031	M	M	SI S	C/NM	Y (5)
EXHAUST AIR PRESSURE PROT DAMPER	30SAC24AA020	34UJK22038	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ISOLATION DAMPER	30SAC12AA001	32UJK31005	M	M	SI S	C/NM	Y (5)
MAINTENANCE SUPPLY AIR ISOL DAMPER	30SAC12AA005	32UJK31018	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC12AA006	32UJK31018	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC12AA008	32UJK31020	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC12AA009	32UJK31020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA010	32UJK31020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA011	32UJK31020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA012	32UJK31021	M	M	SI S	C/NM	Y (5)
EXHAUST FAN ISOLATION DAMPER	30SAC31AA001	31UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST AIR CONTROL DAMPER	30SAC31AA002	31UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ISOLATION DAMPER	30SAC31AA003	31UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST FAN ISOLATION DAMPER	30SAC31AA004	31UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST FAN ISOLATION DAMPER	30SAC32AA001	32UJK31032	M	M	SI S	C/NM	Y (5)
EXHAUST AIR CONTROL DAMPER	30SAC32AA002	32UJK31032	M	M	SI S	C/NM	Y (5)
EXHAUST AIR BACKDRAFT DAMPER	30SAC32AA003	32UJK31032	M	M	SI S	C/NM	Y (5)
EXHAUST FAN ISOLATION DAMPER	30SAC32AA004	32UJK31032	M	M	SI S	C/NM	Y (5)
EXHAUST FAN ISOLATION DAMPER	30SAC33AA001	33UJK31032	M	M	SI S	C/NM	Y (5)
EXHAUST AIR CONTROL DAMPER	30SAC33AA002	33UJK31032	M	M	SI S	C/NM	Y (5)
EXHAUST AIR BACKDRAFT DAMPER	30SAC33AA003	33UJK31032	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA013	32UJK22002	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC12AA014	32UJK22002	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA015	32UJK22004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA016	32UJK22004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA017	32UJK22029	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA018	32UJK22028	M	M	SI S	C/NM	Y (5)
SUPPLY AIR DIV 3 CONTROL DAMPER	30SAC12AA020	32UJK22004	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 138 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
FIRE DAMPER	30SAC12AA021	33UJK22030	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA022	32UJK18004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA023	32UJK18004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA024	32UJK18002	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC12AA025	32UJK18004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA026	32UJK18004	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC12AA027	32UJK18004	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC12AA028	32UJK18004	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC12AA029	32UJK18002	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA030	32UJK14002	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC12AA031	32UJK14002	M	M	SI S	C/NM	Y (5)
EXHAUST FAN ISOLATION DAMPER	30SAC33AA004	33UJK31032	M	M	SI S	C/NM	Y (5)
EXHAUST FAN ISOLATION DAMPER	30SAC34AA001	34UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST AIR CONTROL DAMPER	30SAC34AA002	34UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ISOLATION DAMPER	30SAC34AA003	34UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST FAN ISOLATION DAMPER	30SAC34AA004	34UJK22039	M	M	SI S	C/NM	Y (5)
MAINT EXHAUST FAN ISOLATION DAMPER	30SAC35AA001	31UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ISOLATION DAMPER-MAINT	30SAC35AA004	31UJK22039	M	M	SI S	C/NM	Y (5)
MAINT EXHAUST FAN ISOLATION DAMPER	30SAC38AA001	34UJK22039	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ISOLATION DAMPER-MAINT	30SAC38AA004	34UJK22039	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA032	32UJK14040	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA033	32UJK14040	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA034	32UJK14001	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA035	32UJK18005	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC12AA036	32UJK22004	M	M	SI S	C/NM	Y (5)
EXHAUST AIR CONTROL DAMPER	30SAC41AA001	31UJK18028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC41AA002	31UJK18024	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC41AA003	31UJK22028	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC41AA004	31UJK22028	M	M	SI S	C/NM	Y (5)
EXHAUST AIR CONTROL DAMPER	30SAC42AA001	32UJK22028	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC42AA002	32UJK22028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC42AA003	32UJK22028	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC42AA004	32UJK31032	M	M	SI S	C/NM	Y (5)
EXHAUST AIR CONTROL DAMPER	30SAC43AA001	33UJK22028	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC43AA002	33UJK22028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC43AA003	33UJK22028	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC43AA004	33UJK31032	M	M	SI S	C/NM	Y (5)
EXHAUST AIR CONTROL DAMPER	30SAC44AA001	34UJK18028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC44AA002	34UJK18024	M	M	SI S	C/NM	Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 139 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
FIRE DAMPER	30SAC44AA003	34UJK22028	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ISOLATION DAMPER	30SAC13AA001	33UJK31018	M	M	SI S	C/NM	Y (5)
MAINTENANCE SUPPLY AIR ISOL DAMPER	30SAC13AA005	33UJK31041	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC13AA006	33UJK31018	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC13AA008	33UJK31020	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC13AA009	33UJK31020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA010	33UJK31020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA011	33UJK31020	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA012	33UJK31021	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA013	33UJK22002	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC13AA014	33UJK22002	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA015	33UJK22004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA016	33UJK22004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA017	33UJK22029	M	M	SI S	C/NM	Y (5)
EXHAUST AIR ADJUSTABLE DAMPER	30SAC44AA004	34UJK22028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC45AA001	31UJH10021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC45AA002	31UJH10021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC45AA003	31UJK22028	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC46AA001	32UJH10040	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC46AA002	32UJH10040	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC46AA003	32UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC47AA001	33UJH10040	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC47AA002	33UJH10040	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC47AA003	33UJH10020	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC48AA001	34UJH10021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC48AA002	34UJH05021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC48AA003	34UJK22028	M	M	SI S	C/NM	Y (5)
BATTERY ROOM EXHAUST ISOLATION DAMPER	30SAC51AA001	31UJK22030	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST BACKDRAFT DAMPER	30SAC51AA002	31UJK22030	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST AIR CONTROL DAMPER-MAINT	30SAC51AA003	31UJK22030	M	M	SI S	C/NM	Y (5)
BATTERY RM EXHAUST ISOL DAMPER-MAINT	30SAC51AA004	31UJK22030	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA018	33UJK22028	M	M	SI S	C/NM	Y (5)
SUPPLY AIR EQUIP ROOM CONTROL DAMPER	30SAC13AA020	33UJK22030	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA021	33UJK22004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA022	33UJK18004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA023	33UJK18004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA024	33UJK18002	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC13AA025	33UJK18004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA026	33UJK18004	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 140 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC13AA027	33UJK18004	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC13AA028	33UJK18004	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC13AA029	33UJK18002	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA030	33UJK14002	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC13AA031	33UJK14002	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA032	33UJK14040	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA033	33UJK14040	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA034	33UJK14001	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA035	33UJK18004	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC13AA036	33UJK22004	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST CONTROL DAMPER-MAINT	30SAC51AA006	31UJK22030	M	M	SI S	C/NM	Y (5)
BATTERY ROOM EXHAUST ISOLATION DAMPER	30SAC52AA001	32UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST BACKDRAFT DAMPER	30SAC52AA002	32UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST AIR CONTROL DAMPER	30SAC52AA003	32UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY RM EXHAUST ISOL DAMPER-MAINT	30SAC52AA004	32UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST CONTROL DAMPER-MAINT	30SAC52AA006	32UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY ROOM EXHAUST ISOLATION DAMPER	30SAC53AA001	33UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST BACKDRAFT DAMPER	30SAC53AA002	33UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST AIR CONTROL DAMPER	30SAC53AA003	33UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY RM EXHAUST ISOL DAMPER-MAINT	30SAC53AA004	33UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST CONTROL DAMPER-MAINT	30SAC53AA006	33UJK31032	M	M	SI S	C/NM	Y (5)
BATTERY ROOM EXHAUST ISOLATION DAMPER	30SAC54AA001	34UJK22028	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST BACKDRAFT DAMPER	30SAC54AA002	34UJK22028	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST AIR CONTROL DAMPER-MAINT	30SAC54AA003	34UJK22028	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ISOLATION DAMPER	30SAC14AA001	34UJK22024	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ISOLATION DAMPER	30SAC14AA003	34UJK22024	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA004	34UJK22026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA005	34UJK22026	M	M	SI S	C/NM	Y (5)
BATTERY RM EXHAUST ISOL DAMPER-MAINT	30SAC54AA004	34UJK22028	M	M	SI S	C/NM	Y (5)
BATTERY EXHAUST CONTROL DAMPER-MAINT	30SAC54AA006	34UJK22028	M	M	SI S	C/NM	Y (5)
PRESSURE WAVE PROTECTION DAMPER	30SAC01AA001	31UJK22026	M	M	SI S	C/NM	Y (5)
OUTSIDE AIR ISOLATION DAMPER	30SAC01AA002	31UJK22026	M	M	SI S	C/NM	Y (5)
OUTSIDE AIR CONTROL DAMPER	30SAC01AA003	31UJK22026	M	M	SI S	C/NM	Y (5)
RECIRC AIR CONTROL DAMPER	30SAC01AA004	31UJK22028	M	M	SI S	C/NM	Y (5)
SUPPLY AIR BACKDRAFT DAMPER	30SAC01AA005	31UJK22026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA006	34UJK22024	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA007	34UJK22024	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA008	34UJK22024	M	M	SI S	C/NM	Y (5)
SUPPLY AIR FIRE DAMPNER	30SAC14AA009	34UJK31027	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 141 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
FIRE DAMPER	30SAC14AA010	34UJK34024	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA011	34UJK18023	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA012	34UJK18033	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA013	34UJK18026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA014	34UJK18026	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA015	34UJK18033	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA016	34UJK18022	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA017	34UJK18022	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA018	34UJK18027	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA019	34UJK18024	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA020	34UJK18027	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA021	34UJK18027	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA022	34UJK14033	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA023	34UJK14025	M	M	SI S	C/NM	Y (5)
TOILET EXHAUST FAN ISOL DAMPER	30SAC65AA002	31UJK34024	M	M	SI S	C/NM	Y (5)
PRESSURE WAVE PROTECTION DAMPER	30SAC02AA001	32UJK38006	M	M	SI S	C/NM	Y (5)
OUTSIDE AIR ISOLATION DAMPER	30SAC02AA002	32UJK34005	M	M	SI S	C/NM	Y (5)
OUTSIDE AIR CONTROL DAMPER	30SAC02AA003	32UJK34005	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA024	34UJK14022	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA025	34UJK14026	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA027	34UJK14026	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA028	34UJK14021	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC14AA029	34UJK14026	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA030	34UJK18027	M	M	SI S	C/NM	Y (5)
SUPPLY AIR ADJUSTABLE DAMPER	30SAC14AA031	34UJK18027	M	M	SI S	C/NM	Y (5)
RECIRC AIR CONTROL DAMPER	30SAC02AA004	32UJK31032	M	M	SI S	C/NM	Y (5)
SUPPLY AIR BACKDRAFT DAMPER	30SAC02AA005	32UJK31007	M	M	SI S	C/NM	Y (5)
PRESSURE WAVE PROTECTION DAMPER	30SAC03AA001	33UJK38006	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC15AA001	31UJH10022	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC15AA002	31UJH05021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC15AA003	31UJH05022	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC15AA004	31UJH05021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC15AA005	31UJH01022	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC15AA006	31UJH01021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC15AA007	31UJH01021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC16AA001	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC16AA002	32UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC16AA003	32UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
OUTSIDE AIR ISOLATION DAMPER	30SAC03AA002	33UJK34005	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 142 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
OUTSIDE AIR CONTROL DAMPER	30SAC03AA003	33UJK34005	M	M	SI S	C/NM	Y (5)
RECIRC AIR CONTROL DAMPER	30SAC03AA004	33UJK31032	M	M	SI S	C/NM	Y (5)
SUPPLY AIR BACKDRAFT DAMPER	30SAC03AA005	33UJK31007	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC16AA004	32UJH01040	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC16AA005	32UJH01040	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC17AA001	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC17AA002	33UJH05020	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC17AA003	33UJH01020	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC17AA004	33UJH01040	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC17AA005	33UJH01040	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC18AA001	34UJH10022	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC18AA002	34UJH05021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC18AA003	34UJH05022	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC18AA004	34UJH05021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC18AA005	34UJH01022	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC18AA006	34UJH05021	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC18AA007	34UJH01022	M	H	SI S	C/NM	Y (3) Y (5)
FIRE DAMPER	30SAC21AA001	31UJK34022	M	M	SI S	C/NM	Y (5)
FIRE DAMPER	30SAC21AA003	31UJK34024	M	M	SI S	C/NM	Y (5)
<b>Fuel Building Ventilation System (FBVS)</b>							
41 Air Heater, Boron RM	30KLL64AH003	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
42 Air Heater, Boron RM	30KLL64AH004	30UFA10071	M	H	SI S	C/NM	Y (3) Y (5)
43 Air Heater, Boron RM	30KLL64AH005	30UFA10071	M	H	SI S	C/NM	Y (3) Y (5)
44 Air Heater, Boron RM	30KLL64AH006	30UFA03057	M	H	SI S	C/NM	Y (3) Y (5)
45 Air Heater, Boron RM	30KLL64AH007	30UFA03057	M	H	SI S	C/NM	Y (3) Y (5)
46 Air Heater, Boron RM	30KLL64AH008	30UFA03057	M	H	SI S	C/NM	Y (3) Y (5)
47 Air Heater, Boron RM	30KLL64AH009	30UFA03057	M	H	SI S	C/NM	Y (3) Y (5)
48 Air Heater, Boron RM	30KLL64AH010	30UFA03057	M	H	SI S	C/NM	Y (3) Y (5)
49 Air Heater, Boron RM	30KLL64AH011	30UFA05076	M	H	SI S	C/NM	Y (3) Y (5)
50 Air Heater, Boron RM	30KLL64AH012	30UFA05076	M	H	SI S	C/NM	Y (3) Y (5)
51 Air Heater, Boron RM	30KLL64AH013	30UFA06082	M	H	SI S	C/NM	Y (3) Y (5)
52 Air Heater, Boron RM	30KLL64AH014	30UFA06084	M	H	SI S	C/NM	Y (3) Y (5)
53 Air Heater, Boron RM	30KLL64AH015	30UFA06085	M	H	SI S	C/NM	Y (3) Y (5)
54 Air Heater, Boron RM	30KLL64AH016	30UFA06086	M	H	SI S	C/NM	Y (3) Y (5)
55 Air Heater, Boron RM	30KLL64AH017	30UFA06095	M	H	SI S	C/NM	Y (3) Y (5)
56 Air Heater, Boron RM	30KLL64AH018	30UFA06095	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 143 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
57 Air Heater, Boron RM	30KLL64AH019	30UFA10070	M	H	SI S	C/NM	Y (3) Y (5)
58 Air Heater, Boron RM	30KLL64AH020	30UFA10082	M	H	SI S	C/NM	Y (3) Y (5)
59 Air Heater, Boron RM	30KLL64AH021	30UFA10089	M	H	SI S	C/NM	Y (3) Y (5)
60 Air Heater, Boron RM	30KLL64AH022	30UFA10095	M	H	SI S	C/NM	Y (3) Y (5)
61 Air Heater, Boron RM	30KLL64AH023	30UFA10095	M	H	SI S	C/NM	Y (3) Y (5)
62 Air Heater, Boron RM	30KLL64AH024	30UFA13025	M	H	SI S	C/NM	Y (3) Y (5)
63 Air Heater, Boron RM	30KLL64AH025	30UFA13025	M	H	SI S	C/NM	Y (3) Y (5)
64 Air Heater, Boron RM	30KLL64AH026	30UFA13025	M	H	SI S	C/NM	Y (3) Y (5)
65 Air Heater, Boron RM	30KLL64AH027	30UFA13025	M	H	SI S	C/NM	Y (3) Y (5)
66 Air Heater, Boron RM	30KLL64AH028	30UFA13070	M	H	SI S	C/NM	Y (3) Y (5)
67 Air Heater, Boron RM	30KLL64AH029	30UFA13070	M	H	SI S	C/NM	Y (3) Y (5)
68 Air Heater, Boron RM	30KLL64AH030	30UFA17025	M	H	SI S	C/NM	Y (3) Y (5)
69 Air Heater, Boron RM	30KLL64AH031	30UFA17025	M	H	SI S	C/NM	Y (3) Y (5)
70 Air Heater, Boron RM	30KLL64AH032	30UFA17057	M	H	SI S	C/NM	Y (3) Y (5)
71 Air Heater, Boron RM	30KLL64AH033	30UFA17057	M	H	SI S	C/NM	Y (3) Y (5)
72 Air Heater, Boron RM	30KLL64AH034	30UFA17056	M	H	SI S	C/NM	Y (3) Y (5)
73 Air Heater, Boron RM	30KLL64AH035	30UFA17056	M	H	SI S	C/NM	Y (3) Y (5)
74 Air Heater, Boron RM	30KLL64AH036	30UFA17072	M	H	SI S	C/NM	Y (3) Y (5)
75 Air Heater, Boron RM	30KLL64AH037	30UFA17072	M	H	SI S	C/NM	Y (3) Y (5)
93 Air Heater, Boron RM	30KLL64AH059	30UFA10070	M	H	SI S	C/NM	Y (3) Y (5)
94 Air Heater, Boron RM	30KLL64AH062	30UFA01083	M	H	SI S	C/NM	Y (3) Y (5)
95 Air Heater, Boron RM	30KLL64AH063	30UFA01083	M	H	SI S	C/NM	Y (3) Y (5)
96 Air Heater, Boron RM	30KLL64AH065	30UFA01085	M	H	SI S	C/NM	Y (3) Y (5)
97 Air Heater, Boron RM	30KLL64AH066	30UFA01085	M	H	SI S	C/NM	Y (3) Y (5)
76 Air Heater, Boron RM	30KLL64AH038	30UFA21057	M	H	SI S	C/NM	Y (3) Y (5)
77 Air Heater, Boron RM	30KLL64AH039	30UFA21057	M	H	SI S	C/NM	Y (3) Y (5)
78 Air Heater, Boron RM	30KLL64AH040	30UFA21057	M	H	SI S	C/NM	Y (3) Y (5)
79 Air Heater, Boron RM	30KLL64AH042	30UFA21072	M	H	SI S	C/NM	Y (3) Y (5)
80 Air Heater, Boron RM	30KLL64AH043	30UFA21072	M	H	SI S	C/NM	Y (3) Y (5)
81 Air Heater, Boron RM	30KLL64AH044	30UFA21095	M	H	SI S	C/NM	Y (3) Y (5)
82 Air Heater, Boron RM	30KLL64AH045	30UFA21095	M	H	SI S	C/NM	Y (3) Y (5)
83 Air Heater, Boron RM	30KLL64AH046	30UFA21095	M	H	SI S	C/NM	Y (3) Y (5)
84 Air Heater, Boron RM	30KLL64AH047	30UFA17025	M	H	SI S	C/NM	Y (3) Y (5)
85 Air Heater, Boron RM	30KLL64AH048	30UFA24070	M	H	SI S	C/NM	Y (3) Y (5)
86 Air Heater, Boron RM	30KLL64AH049	30UFA24070	M	H	SI S	C/NM	Y (3) Y (5)
87 Air Heater, Boron RM	30KLL64AH050	30UFA24072	M	H	SI S	C/NM	Y (3) Y (5)
88 Air Heater, Boron RM	30KLL64AH051	30UFA24072	M	H	SI S	C/NM	Y (3) Y (5)
89 Air Heater, Boron RM	30KLL64AH052	30UFA24080	M	H	SI S	C/NM	Y (3) Y (5)
90 Air Heater, Boron RM	30KLL64AH053	30UFA24080	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 144 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
91 Air Heater, Boron RM	30KLL64AH054	30UFA24095	M	H	SI S	C/NM	Y (3) Y (5)
92 Air Heater, Boron RM	30KLL64AH055	30UFA24095	M	H	SI S	C/NM	Y (3) Y (5)
98 Air Heater, Boron RM	30KLL64AH069	30UFA05054	M	H	SI S	C/NM	Y (3) Y (5)
99 Air Heater, Boron RM	30KLL64AH070	30UFA05054	M	H	SI S	C/NM	Y (3) Y (5)
100 Air Heater, Boron RM	30KLL64AH071	30UFA05076	M	H	SI S	C/NM	Y (3) Y (5)
101 Air Heater, Boron RM	30KLL64AH077	30UFA17025	M	H	SI S	C/NM	Y (3) Y (5)
102 Air Heater, Boron RM	30KLL64AH078	30UFA24081	M	H	SI S	C/NM	Y (3) Y (5)
103 Air Heater, Boron RM	30KLL64AH079	30UFA24081	M	H	SI S	C/NM	Y (3) Y (5)
104 Air Heater, Boron RM	30KLL64AH080	30UFA24095	M	H	SI S	C/NM	Y (3) Y (5)
105 Air Heater, Boron RM	30KLL64AH084	30UFA06082	M	H	SI S	C/NM	Y (3) Y (5)
106 Air Heater, Boron RM	30KLL64AH085	30UFA10082	M	H	SI S	C/NM	Y (3) Y (5)
107 Air Heater, Boron RM	30KLL64AH086	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
108 Air Heater, Boron RM	30KLL64AH087	30UFA03057	M	H	SI S	C/NM	Y (3) Y (5)
109 Air Heater, Boron RM	30KLL64AH092	30UFA06084	M	H	SI S	C/NM	Y (3) Y (5)
110 Air Heater, Boron RM	30KLL64AH093	30UFA06085	M	H	SI S	C/NM	Y (3) Y (5)
111 Air Heater, Boron RM	30KLL64AH094	30UFA06086	M	H	SI S	C/NM	Y (3) Y (5)
112 Air Heater, Boron RM	30KLL64AH095	30UFA06095	M	H	SI S	C/NM	Y (3) Y (5)
114 Air Heater, Boron RM	30KLL64AH097	30UFA10089	M	H	SI S	C/NM	Y (3) Y (5)
115 Air Heater, Boron RM	30KLL64AH098	30UFA10095	M	H	SI S	C/NM	Y (3) Y (5)
4 Recirc Fan, Ex Borating Pump RM	30KLL64AN001	30UFA01088	M	H	SI S	C/NM	Y (3) Y (5)
5 Recirc Fan, FP Cooling Pump RM	30KLL64AN002	30UFA01076	M	H	SI S	C/NM	Y (3) Y (5)
6 Recirc Fan, FP Cooling Pump RM	30KLL64AN003	30UFA01077	M	H	SI S	C/NM	Y (3) Y (5)
2 Moist Sep, Ex Boratng Pump RM	30KLL64AT001	30UFA06089	M	H	SI S	C/NM	Y (3) Y (5)
1 Recirc Cooling Coils, Ex Borating Pump	30KLL61AC001	30UFA06039	M	H	SI S	C/NM	Y (3) Y (5)
2 Recirc Cooling Coils, FP Cooling Pump	30KLL61AC002	30UFA01026	M	H	SI S	C/NM	Y (3) Y (5)
3 Recirc Cooling Coils, FP Cooling Pump	30KLL61AC003	30UFA01027	M	H	SI S	C/NM	Y (3) Y (5)
1 Air Heater, Boron RM	30KLL61AH001	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
2 Air Heater, Boron RM	30KLL61AH002	30UFA01035	M	H	SI S	C/NM	Y (3) Y (5)
3 Air Heater, Boron RM	30KLL61AH003	30UFA01035	M	H	SI S	C/NM	Y (3) Y (5)
4 Air Heater, Boron RM	30KLL61AH004	30UFA03006	M	H	SI S	C/NM	Y (3) Y (5)
5 Air Heater, Boron RM	30KLL61AH005	30UFA03006	M	H	SI S	C/NM	Y (3) Y (5)
6 Air Heater, Boron RM	30KLL61AH008	30UFA06035	M	H	SI S	C/NM	Y (3) Y (5)
7 Air Heater, Boron RM	30KLL61AH009	30UFA06035	M	H	SI S	C/NM	Y (3) Y (5)
8 Air Heater, Boron RM	30KLL61AH010	30UFA06036	M	H	SI S	C/NM	Y (3) Y (5)
9 Air Heater, Boron RM	30KLL61AH011	30UFA06036	M	H	SI S	C/NM	Y (3) Y (5)
10 Air Heater, Boron RM	30KLL61AH012	30UFA01049	M	H	SI S	C/NM	Y (3) Y (5)
11 Air Heater, Boron RM	30KLL61AH013	30UFA01049	M	H	SI S	C/NM	Y (3) Y (5)
12 Air Heater, Boron RM	30KLL61AH014	30UFA06045	M	H	SI S	C/NM	Y (3) Y (5)
13 Air Heater, Boron RM	30KLL61AH015	30UFA06045	M	H	SI S	C/NM	Y (3) Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 145 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
14 Air Heater, Boron RM	30KLL61AH018	30UFA10039	M	H	SI S	C/NM	Y (3) Y (5)
15 Air Heater, Boron RM	30KLL61AH019	30UFA10045	M	H	SI S	C/NM	Y (3) Y (5)
16 Air Heater, Boron RM	30KLL61AH020	30UFA10045	M	H	SI S	C/NM	Y (3) Y (5)
17 Air Heater, Boron RM	30KLL61AH023	30UFA13071	M	H	SI S	C/NM	Y (3) Y (5)
18 Air Heater, Boron RM	30KLL61AH024	30UFA13071	M	H	SI S	C/NM	Y (3) Y (5)
19 Air Heater, Boron RM	30KLL61AH025	30UFA03006	M	H	SI S	C/NM	Y (3) Y (5)
20 Air Heater, Boron RM	30KLL61AH026	30UFA15045	M	H	SI S	C/NM	Y (3) Y (5)
21 Air Heater, Boron RM	30KLL61AH027	30UFA15045	M	H	SI S	C/NM	Y (3) Y (5)
22 Air Heater, Boron RM	30KLL61AH028	30UFA15045	M	H	SI S	C/NM	Y (3) Y (5)
23 Air Heater, Boron RM	30KLL61AH029	30UFA18045	M	H	SI S	C/NM	Y (3) Y (5)
24 Air Heater, Boron RM	30KLL61AH030	30UFA18045	M	H	SI S	C/NM	Y (3) Y (5)
25 Air Heater, Boron RM	30KLL61AH032	30UFA21045	M	H	SI S	C/NM	Y (3) Y (5)
26 Air Heater, Boron RM	30KLL61AH033	30UFA21045	M	H	SI S	C/NM	Y (3) Y (5)
27 Air Heater, Boron RM	30KLL61AH035	30UFA18045	M	H	SI S	C/NM	Y (3) Y (5)
28 Air Heater, Boron RM	30KLL61AH039	30UFA24071	M	H	SI S	C/NM	Y (3) Y (5)
29 Air Heater, Boron RM	30KLL61AH042	30UFA01033	M	H	SI S	C/NM	Y (3) Y (5)
30 Air Heater, Boron RM	30KLL61AH043	30UFA01033	M	H	SI S	C/NM	Y (3) Y (5)
31 Air Heater, Boron RM	30KLL61AH044	30UFA01033	M	H	SI S	C/NM	Y (3) Y (5)
32 Air Heater, Boron RM	30KLL61AH048	30UFA24071	M	H	SI S	C/NM	Y (3) Y (5)
33 Air Heater, Boron RM	30KLL61AH049	30UFA05004	M	H	SI S	C/NM	Y (3) Y (5)
34 Air Heater, Boron RM	30KLL61AH050	30UFA05004	M	H	SI S	C/NM	Y (3) Y (5)
35 Air Heater, Boron RM	30KLL61AH053	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
36 Air Heater, Boron RM	30KLL61AH055	30UFA10039	M	H	SI S	C/NM	Y (3) Y (5)
37 Air Heater, Boron RM	30KLL61AH056	30UFA06045	M	H	SI S	C/NM	Y (3) Y (5)
38 Air Heater, Boron RM	30KLL61AH058	30UFA10045	M	H	SI S	C/NM	Y (3) Y (5)
1 Recirc Fan, Ex Borating Pump RM	30KLL61AN001	30UFA01038	M	H	SI S	C/NM	Y (3) Y (5)
2 Recirc Fan, FP Cooling Pump RM	30KLL61AN002	30UFA01026	M	H	SI S	C/NM	Y (3) Y (5)
3 Recirc Fan, FP Cooling Pump RM	30KLL61AN003	30UFA01027	M	H	SI S	C/NM	Y (3) Y (5)
1 Moist Sep, Ex Borating Pump RM	30KLL61AT001	30UFA06039	M	H	SI S	C/NM	Y (3) Y (5)
4 Recirc Cooling Coils, Ex Borating Pump	30KLL64AC001	30UFA06089	M	H	SI S	C/NM	Y (3) Y (5)
5 Recirc Cooling Coils, FP Cooling Pump	30KLL64AC002	30UFA01076	M	H	SI S	C/NM	Y (3) Y (5)
6 Recirc Cooling Coils FP Cooling Pump R	30KLL64AC003	30UFA01077	M	H	SI S	C/NM	Y (3) Y (5)
39 Air Heater, Boron RM	30KLL64AH001	30UFA01082	M	H	SI S	C/NM	Y (3) Y (5)
40 Air Heater, Boron RM	30KLL64AH002	30UFA01082	M	H	SI S	C/NM	Y (3) Y (5)
Sup Iso Dmpr, Fuel Hdlg Hall Div 1	30KLL11AA002	30UFA29045	M	H	SI S	C/NM	Y (3) Y (5)
Sup Iso Dmpr, Emer Airlock Div 1	30KLL11AA003	30UFA29005	M	H	SI S	C/NM	Y (3) Y (5)
Sup Iso Dmpr, Equip Hatch Div 4	30KLL14AA001	30UFA29090	M	H	SI S	C/NM	Y (3) Y (5)
Sup Iso Dmpr, Fuel Hdlg Hall Div 4	30KLL14AA002	30UFA29090	M	H	SI S	C/NM	Y (3) Y (5)
Sup Iso Dmpr, Emer Airlock Div 4	30KLL14AA003	30UFA29004	M	H	SI S	C/NM	Y (3) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 146 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
KLL24 Louver Damper	30KLL21AA003	30UFA29005	M	H	SI S		Y (5)
Exh Iso Dmpr, Equip Hatch Div 4	30KLL24AA001	30UFA29090	M	H	SI S	C/NM	Y (3) Y (5)
Exh Iso Dmpr, Fuel Hdlg Hall Div 4	30KLL24AA002	30UFA29045	M	H	SI S	C/NM	Y (3) Y (5)
KLL11 Louver Damper	30KLL11AA001	30UFA29090	M	H	SI S		Y (5)
KLL21 Louver Damper	30KLL21AA001	30UFA29090	M	H	SI S		Y (5)
<b>Main Control Room Air Conditioning System (CRACS)</b>							
Makeup Air Pre-filters - Div 4	30SAB04AT001	33UJK31034	M	M	SI S	C/NM	Y (5)
Moisture / Condensate Separator - Div 4	30SAB04AT004	33UJK31034	M	M	SI S		Y (5)
Recirc. HEPA Filter - Div 4	30SAB04AT005	33UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Return Silencer - Div 4	30SAB04BS001	33UJK31034	M	M	SI S		Y (5)
Recirc. Fan Inlet Silencer - Div 4	30SAB04BS002	33UJK31034	M	M	SI S		Y (5)
Recirc. Fan Outlet Silencer - Div 4	30SAB04BS003	33UJK31034	M	M	SI S		Y (5)
Iodine Filtr. Booster Fan - Div 1	30SAB11AN001	32UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtr. Pre-filter - Div 1	30SAB11AT001	32UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtr. Inlet HEPA Filter - Div 1	30SAB11AT002	32UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtr. Charcoal Filter - Div 1	30SAB11AT003	32UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtr. Outlet HEPA Filter - Div 1	30SAB11AT004	32UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtration Booster Fan - Div 4	30SAB14AN001	33UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtration Pre-filter - Div 4	30SAB14AT001	33UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtr. Inlet HEPA Filter - Div 4	30SAB14AT002	33UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtr. Charcoal Filter - Div 4	30SAB14AT003	33UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtr. Outlet HEPA Filter - Div 4	30SAB14AT004	33UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Fans - Div 4	30SAB04AN001	33UJK31034	M	M	SI S	C/NM	Y (5)
Supply Air Duct Silencer 1	30SAB32BS001	32UJK31019	M	M	SI S		Y (5)
Supply Air Duct Silencer 2	30SAB32BS002	32UJK31019	M	M	SI S		Y (5)
Exhaust Fan	30SAB45AN001	32UJK31020	M	M	SI S	C/NM	Y (5)
Exhaust Fan Silencer	30SAB45BS001	32UJK31020	M	M	SI S		Y (5)
Makeup Air Heater - Div 1	30SAB01AH001	32UJK31034	M	M	SI S		Y (5)
Recirc. Fan Motor Heater - Div 1	30SAB01AH501	32UJK31034	M	M	SI S		Y (5)
Recirc. Fan - Div 1	30SAB01AN001	32UJK31034	M	M	SI S	C/NM	Y (5)
Makeup Air Pre-filter - Div 1	30SAB01AT001	32UJK31034	M	M	SI S	C/NM	Y (5)
Moisture / Condensate Separator - Div 1	30SAB01AT004	32UJK31034	M	M	SI S		Y (5)
Recirc. HEPA Filter - Div 1	30SAB01AT005	32UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Return Silencer - Div 1	30SAB01BS001	32UJK31034	M	M	SI S		Y (5)
Recirc. Fan Inlet Silencer - Div 1	30SAB01BS002	32UJK31034	M	M	SI S		Y (5)
Recirc. Fan Outlet Silencer - Div 1	30SAB01BS003	32UJK31034	M	M	SI S		Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 147 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Recirc. Fan Motor Heater - Div 2	30SAB02AH501	32UJK31035	M	M	SI S		Y (5)
Recirc. Fan - Div 2	30SAB02AN001	32UJK31035	M	M	SI S	C/NM	Y (5)
Moisture / Condensate Separator - Div 2	30SAB02AT004	32UJK31035	M	M	SI S		Y (5)
Recirc. HEPA Filter - Div 2	30SAB02AT005	32UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Return Silencer - Div 2	30SAB02BS001	32UJK31035	M	M	SI S		Y (5)
Recirc. Fan Inlet Silencer - Div 2	30SAB02BS002	32UJK31035	M	M	SI S		Y (5)
Recirc. Fan Outlet Silencer - Div 2	30SAB02BS003	32UJK31035	M	M	SI S		Y (5)
Recirc. Fan Motor Heater- Div 3	30SAB03AH501	33UJK31035	M	M	SI S		Y (5)
Recirc. Fan - Div 3	30SAB03AN001	33UJK31035	M	M	SI S	C/NM	Y (5)
Moisture / Condensate Separator - Div 3	30SAB03AT004	33UJK31035	M	M	SI S		Y (5)
Recirc. HEPA Filter - Div 3	30SAB03AT005	33UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Return Silencer - Div 3	30SAB03BS001	33UJK31035	M	M	SI S		Y (5)
Recirc. Fan Inlet Silencer - Div 3	30SAB03BS002	33UJK31035	M	M	SI S		Y (5)
Recirc. Fan Outlet Silencer - Div 3	30SAB03BS003	33UJK31035	M	M	SI S		Y (5)
Recirc. Cooling Coil - Div 4	30SAB04AC001	33UJK31034	M	M	SI S		Y (5)
Makeup Air Heaters - Div 4	30SAB04AH001	33UJK31034	M	M	SI S		Y (5)
Recirc. Fan Motor Heater - Div 4	30SAB04AH501	33UJK31034	M	M	SI S		Y (5)
Exhaust Air Recirc. Vol Contr Damper A	30SAB42AA001	32UJK26031	M	M	SI S	C/NM	Y (5)
SICS2/Computer Rm2 Exhaust Balanc Damp	30SAB42AA006	33UJK26002	M	M	SI S	C/NM	Y (5)
SICS1/Computer Rm1 Exhaust Balanc Damp	30SAB42AA009	32UJK26002	M	M	SI S	C/NM	Y (5)
MCR Exhaust Balancing Damper	30SAB42AA011	32UJK26031	M	M	SI S	C/NM	Y (5)
TechSupport Exhaust Balancing Damp	30SAB42AA012	33UJK26006	M	M	SI S	C/NM	Y (5)
I&CServ/SpecialUse Exhaust Balanc Damp	30SAB42AA014	33UJK26044	M	M	SI S	C/NM	Y (5)
Tag/ShiftOffice Exhaust Balancing Damp	30SAB42AA016	32UJK26029	M	M	SI S	C/NM	Y (5)
Exhaust Air Isolation Damper - A	30SAB45AA003	32UJK31020	M	M	SI S	C/NM	Y (5)
Exhaust Air Isolation Damper - B	30SAB45AA004	32UJK31020	M	M	SI S	C/NM	Y (5)
Exhaust Air Balancing Damper	30SAB45AA005	32UJK31020	M	M	SI S	C/NM	Y (5)
Exhaust Air Back-flow Damper	30SAB45AA006	32UJK31020	M	M	SI S	C/NM	Y (5)
Bathrooms Back-draft Damper	30SAB45AA007	32UJK26015	M	M	SI S	C/NM	Y (5)
Inlet Isolation Damper - Div 1	30SAB01AA002	32UJK31034	M	M	SI S	C/NM	Y (5)
Makeup Air Isolation Damper - Div 1	30SAB01AA003	32UJK31034	M	M	SI S	C/NM	Y (5)
MCR AirCond. Rm Return Balancing - Div1	30SAB01AA005	32UJK31034	M	M	SI S	C/NM	Y (5)
Makeup Air Balancing Damper - Div 1	30SAB01AA006	32UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Isolation Damper-Div1	30SAB01AA009	32UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Balancing Damper-Div1	30SAB01AA010	32UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Air Back-flow Damper - Div 1	30SAB01AA011	32UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Air Vol Control Damper - Div 1	30SAB01AA012	32UJK31034	M	M	SI S	C/NM	Y (5)
MCR AirCond. Rm Return Balanc Damp - Div2	30SAB02AA005	32UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Isolation Damper - Di	30SAB02AA009	32UJK31035	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 148 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Recirc. Return Air Balancing Damp - Div2	30SAB02AA010	32UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Air Back-flow Damper - Div 2	30SAB02AA011	32UJK31035	M	M	SI S	C/NM	Y (5)
MCR AirCond Rm Return Balanc Damp - Div 3	30SAB03AA005	33UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Iso Damper - Div 3	30SAB03AA009	33UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Balancing Damp - Div	30SAB03AA010	33UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Air Back-flow Damper - Div 3	30SAB03AA011	33UJK31034	M	M	SI S	C/NM	Y (5)
MCR AirCond Rm Return Balanc Damp - Div 4	30SAB04AA005	33UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Isolation Damper - D	30SAB04AA009	33UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Balancing Damper - Di	30SAB04AA010	33UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Air Back-flow Damper - Div 4	30SAB04AA011	33UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Air Volume Control Damper - Div	30SAB04AA012	33UJK31035	M	M	SI S	C/NM	Y (5)
Iodine Filtr. Inlet Isol. Damper - Div 1	30SAB11AA001	32UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtr. Outlet Isol Damp - Div 1	30SAB11AA002	32UJK31034	M	M	SI S	C/NM	Y (5)
Iodine Filtr. Inlet Iso. Damper - Div 4	30SAB14AA001	33UJK31034	M	M	SI S	C/NM	Y (5)
WC & Kitchen Supply Balancing Damper	30SAB32AA001	32UJK26029	M	M	SI S	C/NM	Y (5)
TechSupp/SpecUse Supply Balanc Damp	30SAB32AA003	32UJK26029	M	M	SI S	C/NM	Y (5)
Tag/Shift Office Supply Balancing Damp	30SAB32AA006	32UJK26029	M	M	SI S	C/NM	Y (5)
Interconnect Passage Supply Balanc Damp	30SAB32AA013	32UJK26020	M	M	SI S	C/NM	Y (5)
SICS1/Computer Rm1 Supply Balancing Damp	30SAB32AA015	32UJK26002	M	M	SI S	C/NM	Y (5)
SICS2/Computer Rm2 Supply Balancing Damp	30SAB32AA017	33UJK26002	M	M	SI S	C/NM	Y (5)
MCR, WC & Kitchen Supply Fire Damp C	30SAB32AA022	32UJK31019	M	M	SI S	C/NM	Y (5)
Recirc Gastight Iso Dmpr Div 2	30SAB11AA004	32UJK31034	M	M	SI S	C/NM	Y (5)
Recirc Damper Div 3	30SAB14AA004	33UJK31034	M	M	SI S	C/NM	Y (5)
Inlet Fire Damper - Div 1	30SAB01AA001	32UJK31034	M	M	SI S	C/NM	Y (5)
Inlet Fire Damper - Div 3	30SAB03AA001	33UJK31034	M	M	SI S	C/NM	Y (5)
Inlet Fire Damper - Div 2	30SAB02AA001	32UJK31035	M	M	SI S	C/NM	Y (5)
Inlet Fire Damper - Div 4	30SAB04AA001	33UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Fire Damper - Div 1 A	30SAB01AA007	32UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Fire Damper - Div 1 B	30SAB01AA008	32UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Supply Air Fire Damper - Div 1 A	30SAB01AA014	32UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Supply Air Fire Damper - Div 1 B	30SAB01AA015	32UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Fire Damper - Div 2 A	30SAB02AA007	32UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Fire Damper - Div 2 B	30SAB02AA008	32UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Supply Air Fire Damper - Div 2 A	30SAB02AA014	32UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Supply Air Fire Damper - Div 2 B	30SAB02AA015	32UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Fire Damper - Div 3 A	30SAB03AA007	33UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Fire Damper - Div 3 B	30SAB03AA008	33UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Supply Air Fire Damper - Div 3 A	30SAB03AA014	33UJK31034	M	M	SI S	C/NM	Y (5)
Recirc. Supply Air Fire Damper - Div 3 B	30SAB03AA015	33UJK31034	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 149 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Recirc. Return Air Fire Damper - Div 4 A	30SAB04AA007	33UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Return Air Fire Damper - Div 4 B	30SAB04AA008	33UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Supply Air Fire Damper - Div 4 A	30SAB04AA014	33UJK31035	M	M	SI S	C/NM	Y (5)
Recirc. Supply Air Fire Damper - Div 4 B	30SAB04AA015	33UJK31035	M	M	SI S	C/NM	Y (5)
MCR AirCond. Rm Supply Fire Damp-Div 1	30SAB31AA030	32UJK31034	M	M	SI S	C/NM	Y (5)
TechSupport Supply Fire Damper A	30SAB32AA004	33UJK26033	M	M	SI S	C/NM	Y (5)
TechSupport Supply Fire Damper B	30SAB32AA005	33UJK26033	M	M	SI S	C/NM	Y (5)
Interconnec Passage Supply Fire Damper	30SAB32AA010	32UJK26020	M	M	SI S	C/NM	Y (5)
SICS1 / Computer Rm1 Supply Fire Damper	30SAB32AA011	32UJK26002	M	M	SI S	C/NM	Y (5)
SICS2 / Computer Rm2 Supply Fire Damper	30SAB32AA012	33UJK26002	M	M	SI S	C/NM	Y (5)
MCR, WC, & Kitchen Supply Fire Damp A	30SAB32AA020	32UJK31019	M	M	SI S	C/NM	Y (5)
MCR, WC, & Kitchen Supply Fire Damp B	30SAB32AA021	32UJK31019	M	M	SI S	C/NM	Y (5)
MCR AirCond. Rm Supply Fire Damp-Div 2	30SAB32AA030	32UJK31035	M	M	SI S	C/NM	Y (5)
MCR AirCond Rm Supply Fire Damper - Div 3	30SAB33AA030	33UJK31035	M	M	SI S	C/NM	Y (5)
MCR AirCond Rm Supply Fire Damper- Div 4	30SAB34AA030	33UJK31034	M	M	SI S	C/NM	Y (5)
Exhaust Air Recirc. Fire Damper	30SAB42AA003	32UJK26031	M	M	SI S	C/NM	Y (5)
Interconnect Passage Exhaust Fire Damp-A	30SAB42AA004	33UJK26020	M	M	SI S	C/NM	Y (5)
SICS2/Computer Rm2 Exhaust Fire Damp	30SAB42AA005	33UJK26002	M	M	SI S	C/NM	Y (5)
Interconnect Passage Exhaust Fire Damp-B	30SAB42AA007	32UJK26020	M	M	SI S	C/NM	Y (5)
SICS1/Computer Rm1 Exhaust Air Fire Damp	30SAB42AA008	32UJK26002	M	M	SI S	C/NM	Y (5)
MCR Exhaust Fire Damper	30SAB42AA010	32UJK26031	M	M	SI S	C/NM	Y (5)
TechSupport Exhaust Fire Damper	30SAB42AA013	33UJK26006	M	M	SI S	C/NM	Y (5)
I&CServ/SpecialUse Exhaust Fire Damp	30SAB42AA015	33UJK26044	M	M	SI S	C/NM	Y (5)
Tag/ShiftOffice Exhaust Fire Damper	30SAB42AA017	32UJK26029	M	M	SI S	C/NM	Y (5)
Exhaust Air Fire Damper	30SAB45AA001	32UJK31020	M	M	SI S	C/NM	Y (5)
Bathrooms Exhaust Air Fire Damper	30SAB45AA008	32UJK26020	M	M	SI S	C/NM	Y (5)
Kitchen Exhaust Fire Damper	30SAB45AA009	33UJK26033	M	M	SI S	C/NM	Y (5)
SAB11 Filtr Train Iso dmptr dwnstrm	30SAB11AA003	32UJK31034	M	M	SI S	C/NM	Y (5)
SAB11 Filtration Trn Elec Preheater	30SAB11AH001	32UJK31034	M	M	SI S		Y (5)
SAB14 Iodine Filtration Train Check Dmper	30SAB14AA002	33UJK31034	M	M	SI S	C/NM	Y (5)
SAB14 Filtr Train Iso Dmper Dwnstrm	30SAB14AA003	33UJK31034	M	M	SI S	C/NM	Y (5)
SAB14 Iodine filtration train preheater	30SAB14AH001	33UJK31034	M	M	SI S		Y (5)
<b>Essential Service Water Pump Building Ventilation System (ESWPBVS)</b>							
Recirc Chiller Bldg 1	30SAQ01AC001	31UQB02001	M	M	SI S	C/NM	Y (5)
Elec Heater Bldg 1	30SAQ01AH001	31UQB02001	M	M	SI S	C/NM	Y (5)
Recirc Fan Bldg 1	30SAQ01AN001	31UQB02001	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 150 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Impact Sep Bldg 1	30SAQ01AT001	31UQB02001	M	M	SI S	C/NM	Y (5)
Recirc Chiller Bldg 2	30SAQ02AC001	32UQB02001	M	M	SI S	C/NM	Y (5)
Elec Heater Bldg 2	30SAQ02AH001	32UQB02001	M	M	SI S	C/NM	Y (5)
Recirc Fan Bldg 2	30SAQ02AN001	32UQB02001	M	M	SI S	C/NM	Y (5)
Impact Sep Bldg 2	30SAQ02AT001	32UQB02001	M	M	SI S	C/NM	Y (5)
Recirc Chiller Bldg 3	30SAQ03AC001	33UQB02001	M	M	SI S	C/NM	Y (5)
Elec Heater Bldg 3	30SAQ03AH001	33UQB02001	M	M	SI S	C/NM	Y (5)
Recirc Fan Bldg 3	30SAQ03AN001	33UQB02001	M	M	SI S	C/NM	Y (5)
Impact Sep Bldg 3	30SAQ03AT001	33UQB02001	M	M	SI S	C/NM	Y (5)
Recirc Chiller Bldg 4	30SAQ04AC001	34UQB02001	M	M	SI S	C/NM	Y (5)
Elec Heater Bldg 4	30SAQ04AH001	34UQB02001	M	M	SI S	C/NM	Y (5)
Recirc Fan Bldg 4	30SAQ04AN001	34UQB02001	M	M	SI S	C/NM	Y (5)
Impact Sep Bldg 4	30SAQ04AT001	34UQB02001	M	M	SI S	C/NM	Y (5)
Elec Eq Area Sup Damper Bldg 1	30SAQ01AA001	31UQB02001	M	M	SI S	C/NM	Y (5)
ESW Pump Area Sup Dmpr Bldg 1	30SAQ01AA002	31UQB02001	M	M	SI S	C/NM	Y (5)
Plug Valve Chiller Cold Leg Bldg 1	30SAQ01AA003	31UQB02001	M	M	SI S	C/NM	Y (5)
Plug Valve Chiller Hot Leg Bldg 1	30SAQ01AA004	31UQB02001	M	M	SI S	C/NM	Y (5)
Elec Eq Area Sup Damper Bldg 2	30SAQ02AA001	32UQB02001	M	M	SI S	C/NM	Y (5)
ESW Pump Area Sup Dmpr Bldg 2	30SAQ02AA002	32UQB02001	M	M	SI S	C/NM	Y (5)
Plug Valve Chiller Cold Leg Bldg 2	30SAQ02AA003	32UQB02001	M	M	SI S	C/NM	Y (5)
Plug Valve Chiller Hot Leg Bldg 2	30SAQ02AA004	32UQB02001	M	M	SI S	C/NM	Y (5)
Elec Eq Area Sup Damper Bldg 3	30SAQ03AA001	33UQB02001	M	M	SI S	C/NM	Y (5)
ESW Pump Area Sup Dmpr Bldg 3	30SAQ03AA002	33UQB02001	M	M	SI S	C/NM	Y (5)
Plug Valve Chiller Cold Leg Bldg 3	30SAQ03AA003	33UQB02001	M	M	SI S	C/NM	Y (5)
Plug Valve Chiller Hot Leg Bldg 3	30SAQ03AA004	33UQB02001	M	M	SI S	C/NM	Y (5)
Elec Eq Area Sup Damper Bldg 4	30SAQ04AA001	34UQB02001	M	M	SI S	C/NM	Y (5)
ESW Pump Area Sup Dmpr Bldg 4	30SAQ04AA002	34UQB02001	M	M	SI S	C/NM	Y (5)
Plug Valve Chiller Cold Leg Bldg 4	30SAQ04AA003	34UQB02001	M	M	SI S	C/NM	Y (5)
Plug Valve Chiller Hot Leg Bldg 4	30SAQ04AA004	34UQB02001	M	M	SI S	C/NM	Y (5)
<b>Emergency Power Generating Building Ventilation System (EPGBVS)</b>							
Building Supply Backdraft Damper - Div 1	30SAD11AA001	31UBP02001	M	M	SI S	C/NM	Y (5)
Building Supply Backdraft Damper - Div 1	30SAD11AA002	31UBP02001	M	M	SI S	C/NM	Y (5)
Supply Fan - Div 1	30SAD11AN001	31UBP01001	M	M	SI S	C/NM	Y (5)
Supply Fan - Div 1	30SAD11AN002	31UBP01001	M	M	SI S	C/NM	Y (5)
Building Inlet Screen/Filter - Div 1	30SAD11AT001	31UBP02001	M	M	SI S	C/NM	Y (5)
Building Inlet Screen/Filter - Div 1	30SAD11AT002	31UBP02001	M	M	SI S	C/NM	Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 151 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Diesel Hall Balancing Damper A - Div 1	30SAD12AA001	31UBP02001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper B - Div 1	30SAD12AA002	31UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper C - Div 1	30SAD12AA003	31UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper D - Div 1	30SAD12AA004	31UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper E - Div 1	30SAD12AA005	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc. Control Damper - Div 1	30SAD13AA001	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc. Balancing Damper - Div 1	30SAD13AA002	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Supply Backdraft Damper - Div 1	30SAD13AA003	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Exhaust Backdraft Damper - Div 1	30SAD13AA006	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Cooling Coil - Div 1	30SAD13AC001	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Chiller Compressor - Div 1	30SAD13AC101	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Heater - Div 1	30SAD13AH001	31UBP01001	M	M	SI S		Y (5)
Recirc Unit Humidifier - Div 1	30SAD13AH002	31UBP01001	M	M	SI S		Y (5)
Recirc Unit Supply Fan - Div 1	30SAD13AN001	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Chiller Fan - Div 1	30SAD13AN101	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Pre-Filter - Div 1	30SAD13AT001	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit HEPA Filter - Div 1	30SAD13AT002	31UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Moisture Separator - Div 1	30SAD13AT003	31UBP01001	M	M	SI S		Y (5)
Recirc Unit Chiller Filter - Div 1	30SAD13AT101	31UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 1 - Div 1	30SAD14AH001	31UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 2 - Div 1	30SAD14AH002	31UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 3 - Div 1	30SAD14AH003	31UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 4 - Div 1	30SAD14AH004	31UBP01001	M	M	SI S	C/NM	Y (5)
Building Exhaust Backdraft Damper-Div1	30SAD15AA001	31UBP02002	M	M	SI S	C/NM	Y (5)
Building Exhaust Backdraft Damper-Div1	30SAD15AA002	31UBP02002	M	M	SI S	C/NM	Y (5)
Exhaust Fan - Div 1	30SAD15AN001	31UBP01001	M	M	SI S	C/NM	Y (5)
Exhaust Fan - Div 1	30SAD15AN002	31UBP01001	M	M	SI S	C/NM	Y (5)
Main Tank Supply Backdraft Damp - Div 1	30SAD16AA001	31UBP01001	M	M	SI S	C/NM	Y (5)
Main Tank Supply Fire Damper - Div 1	30SAD16AA002	31UBP01003	M	M	SI S	C/NM	Y (5)
MTank Exhaust Balancing Damp A - Div 1	30SAD16AA003	31UBP01003	M	M	SI S	C/NM	Y (5)
MTank Exhaust Balancing Damp B - Div 1	30SAD16AA004	31UBP01003	M	M	SI S	C/NM	Y (5)
Main Tank Exhaust Backflow Damp - Div 1	30SAD16AA005	31UBP01003	M	M	SI S	C/NM	Y (5)
Main Tank Exhaust Fire Damper - Div 1	30SAD16AA006	31UBP01003	M	M	SI S	C/NM	Y (5)
Fuel Tank Room Space Heater - Div 1	30SAD16AH001	31UBP01003	M	M	SI S		Y (5)
Fuel Tank Room Ventilation Fan - Div 1	30SAD16AN001	31UBP01003	M	M	SI S	C/NM	Y (5)
Building Supply Backdraft Damper - Div 2	30SAD21AA001	32UBP02001	M	M	SI S	C/NM	Y (5)
Building Supply Backdraft Damper - Div 2	30SAD21AA002	32UBP02001	M	M	SI S	C/NM	Y (5)
Supply Fan - Div 2	30SAD21AN001	32UBP01001	M	M	SI S	C/NM	Y (5)
Supply Fan - Div 2	30SAD21AN002	32UBP01001	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 152 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Building Inlet Screen/Filter - Div 2	30SAD21AT001	32UBP02001	M	M	SI S	C/NM	Y (5)
Building Inlet Screen/Filter - Div 2	30SAD21AT002	32UBP02001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper A - Div 1	30SAD22AA001	32UBP02001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper B - Div 1	30SAD22AA002	32UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper C - Div 1	30SAD22AA003	32UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper D - Div 1	30SAD22AA004	32UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper E - Div 1	30SAD22AA005	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc. Control Damper - Div 2	30SAD23AA001	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc. Balancing Damper - Div 2	30SAD23AA002	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Supply Backdraft Damper - Div 2	30SAD23AA003	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Exhaust Backdraft Damper - Div 2	30SAD23AA006	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Cooling Coil - Div 2	30SAD23AC001	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Chiller Compressor - Div 2	30SAD23AC101	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Heater - Div 2	30SAD23AH001	32UBP01001	M	M	SI S		Y (5)
Recirc Unit Humidifier - Div 2	30SAD23AH002	32UBP01001	M	M	SI S		Y (5)
Recirc Unit Supply Fan - Div 2	30SAD23AN001	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Chiller Fan - Div 2	30SAD23AN101	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Pre-Filter - Div 2	30SAD23AT001	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit HEPA Filter - Div 2	30SAD23AT002	32UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Moisture Separator - Div 2	30SAD23AT003	32UBP01001	M	M	SI S		Y (5)
Recirc Unit Chiller Filter - Div 2	30SAD23AT101	32UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 1 - Div 2	30SAD24AH001	32UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 2 - Div 2	30SAD24AH002	32UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 3 - Div 2	30SAD24AH003	32UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 4 - Div 2	30SAD24AH004	32UBP01001	M	M	SI S	C/NM	Y (5)
Building Exhaust Backdraft Damper-Div2	30SAD25AA001	32UBP02002	M	M	SI S	C/NM	Y (5)
Building Exhaust Backdraft Damper-Div2	30SAD25AA002	32UBP02002	M	M	SI S	C/NM	Y (5)
Exhaust Fan - Div 2	30SAD25AN001	32UBP01001	M	M	SI S	C/NM	Y (5)
Exhaust Fan - Div 2	30SAD25AN002	32UBP01001	M	M	SI S	C/NM	Y (5)
Main Tank Supply Backdraft Damp - Div 2	30SAD26AA001	32UBP01001	M	M	SI S	C/NM	Y (5)
Main Tank Supply Fire Damper - Div 2	30SAD26AA002	32UBP01003	M	M	SI S	C/NM	Y (5)
MTank Exhaust Balancing Damp A - Div 2	30SAD26AA003	32UBP01003	M	M	SI S	C/NM	Y (5)
MTank Exhaust Balancing Damp B - Div 2	30SAD26AA004	32UBP01003	M	M	SI S	C/NM	Y (5)
Main Tank Exhaust Backflow Damp - Div 2	30SAD26AA005	32UBP01003	M	M	SI S	C/NM	Y (5)
Main Tank Exhaust Fire Damper - Div 2	30SAD26AA006	32UBP01003	M	M	SI S	C/NM	Y (5)
Fuel Tank Room Space Heater - Div 2	30SAD26AH001	32UBP01003	M	M	SI S		Y (5)
Fuel Tank Room Ventilation Fan - Div 2	30SAD26AN001	32UBP01003	M	M	SI S	C/NM	Y (5)
Building Supply Backdraft Damper - Div 3	30SAD31AA001	33UBP02001	M	M	SI S	C/NM	Y (5)
Building Supply Backdraft Damper - Div 3	30SAD31AA002	33UBP02001	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 153 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Supply Fan - Div 3	30SAD31AN001	33UBP01001	M	M	SI S	C/NM	Y (5)
Supply Fan - Div 3	30SAD31AN002	33UBP01001	M	M	SI S	C/NM	Y (5)
Building Inlet Screen/Filter - Div 3	30SAD31AT001	33UBP02001	M	M	SI S	C/NM	Y (5)
Building Inlet Screen/Filter - Div 3	30SAD31AT002	33UBP02001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper A - Div 1	30SAD32AA001	33UBP02001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper B - Div 1	30SAD32AA002	33UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper C - Div 1	30SAD32AA003	33UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper D - Div 1	30SAD32AA004	33UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper E - Div 1	30SAD32AA005	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc. Control Damper - Div 3	30SAD33AA001	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc. Balancing Damper - Div 3	30SAD33AA002	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Supply Backdraft Damper - Div 3	30SAD33AA003	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Exhaust Backdraft Damper - Div 3	30SAD33AA006	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Cooling Coil - Div 3	30SAD33AC001	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Chiller Compressor - Div 3	30SAD33AC101	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Heater - Div 3	30SAD33AH001	33UBP01001	M	M	SI S		Y (5)
Recirc Unit Humidifier - Div 3	30SAD33AH002	33UBP01001	M	M	SI S		Y (5)
Recirc Unit Supply Fan - Div 3	30SAD33AN001	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Chiller Fan - Div 3	30SAD33AN101	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Pre-Filter - Div 3	30SAD33AT001	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit HEPA Filter - Div 3	30SAD33AT002	33UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Moisture Separator - Div 3	30SAD33AT003	33UBP01001	M	M	SI S		Y (5)
Recirc Unit Chiller Filter - Div 3	30SAD33AT101	33UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 1 - Div 3	30SAD34AH001	33UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 2 - Div 3	30SAD34AH002	33UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 3 - Div 3	30SAD34AH003	33UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 4 - Div 3	30SAD34AH004	33UBP01001	M	M	SI S	C/NM	Y (5)
Building Exhaust Backdraft Damper-Div3	30SAD35AA001	33UBP02002	M	M	SI S	C/NM	Y (5)
Building Exhaust Backdraft Damper-Div3	30SAD35AA002	33UBP02002	M	M	SI S	C/NM	Y (5)
Exhaust Fan - Div 3	30SAD35AN001	33UBP01001	M	M	SI S	C/NM	Y (5)
Exhaust Fan - Div 3	30SAD35AN002	33UBP01001	M	M	SI S	C/NM	Y (5)
Main Tank Supply Backdraft Damp - Div 3	30SAD36AA001	33UBP01001	M	M	SI S	C/NM	Y (5)
Main Tank Supply Fire Damper - Div 3	30SAD36AA002	33UBP01003	M	M	SI S	C/NM	Y (5)
MTank Exhaust Balancing Damp A - Div 3	30SAD36AA003	33UBP01003	M	M	SI S	C/NM	Y (5)
MTank Exhaust Balancing Damp B - Div 3	30SAD36AA004	33UBP01003	M	M	SI S	C/NM	Y (5)
Main Tank Exhaust Backflow Damp - Div 13	30SAD36AA005	33UBP01003	M	M	SI S	C/NM	Y (5)
Main Tank Exhaust Fire Damper - Div 3	30SAD36AA006	33UBP01003	M	M	SI S	C/NM	Y (5)
Fuel Tank Room Space Heater - Div 3	30SAD36AH001	33UBP01003	M	M	SI S		Y (5)
Fuel Tank Room Ventilation Fan - Div 3	30SAD36AN001	33UBP01003	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 154 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Building Supply Backdraft Damper - Div 4	30SAD41AA001	34UBP02001	M	M	SI S	C/NM	Y (5)
Building Supply Backdraft Damper - Div 4	30SAD41AA002	34UBP02001	M	M	SI S	C/NM	Y (5)
Supply Fan - Div 4	30SAD41AN001	34UBP01001	M	M	SI S	C/NM	Y (5)
Supply Fan - Div 4	30SAD41AN002	34UBP01001	M	M	SI S	C/NM	Y (5)
Building Inlet Screen/Filter - Div 4	30SAD41AT001	34UBP02001	M	M	SI S	C/NM	Y (5)
Building Inlet Screen/Filter - Div 4	30SAD41AT002	34UBP02001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper A - Div 1	30SAD42AA001	34UBP02001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper B - Div 1	30SAD42AA002	34UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper C - Div 1	30SAD42AA003	34UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper D - Div 1	30SAD42AA004	34UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Balancing Damper E - Div 1	30SAD42AA005	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc. Control Damper - Div 4	30SAD43AA001	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc. Balancing Damper - Div 4	30SAD43AA002	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Supply Backdraft Damper - Div 4	30SAD43AA003	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Exhaust Backdraft Damper - Div 4	30SAD43AA006	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Cooling Coil - Div 4	30SAD43AC001	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Chiller Compressor - Div 4	30SAD43AC101	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Heater - Div 4	30SAD43AH001	34UBP01001	M	M	SI S		Y (5)
Recirc Unit Humidifier - Div 4	30SAD43AH002	34UBP01001	M	M	SI S		Y (5)
Recirc Unit Supply Fan - Div 4	30SAD43AN001	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Chiller Fan - Div 4	30SAD43AN101	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Pre-Filter - Div 4	30SAD43AT001	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit HEPA Filter - Div 4	30SAD43AT002	34UBP01001	M	M	SI S	C/NM	Y (5)
Recirc Unit Moisture Separator - Div 4	30SAD43AT003	34UBP01001	M	M	SI S		Y (5)
Recirc Unit Chiller Filter - Div 4	30SAD43AT101	34UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 1 - Div 4	30SAD44AH001	34UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 2 - Div 4	30SAD44AH002	34UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 3 - Div 4	30SAD44AH003	34UBP01001	M	M	SI S	C/NM	Y (5)
Diesel Hall Space Heater/Fan 4 - Div 4	30SAD44AH004	34UBP01001	M	M	SI S	C/NM	Y (5)
Building Exhaust Backdraft Damper-Div4	30SAD45AA001	34UBP02002	M	M	SI S	C/NM	Y (5)
Building Exhaust Backdraft Damper-Div4	30SAD45AA002	34UBP02002	M	M	SI S	C/NM	Y (5)
Exhaust Fan - Div 4	30SAD45AN001	34UBP01001	M	M	SI S	C/NM	Y (5)
Exhaust Fan - Div 4	30SAD45AN002	34UBP01001	M	M	SI S	C/NM	Y (5)
Main Tank Supply Backdraft Damp - Div 4	30SAD46AA001	34UBP01001	M	M	SI S	C/NM	Y (5)
Main Tank Supply Fire Damper - Div 4	30SAD46AA002	34UBP01003	M	M	SI S	C/NM	Y (5)
MTank Exhaust Balancing Damp A - Div 4	30SAD46AA003	34UBP01003	M	M	SI S	C/NM	Y (5)
MTank Exhaust Balancing Damp B - Div 4	30SAD46AA004	34UBP01003	M	M	SI S	C/NM	Y (5)
Main Tank Exhaust Backflow Damp - Div 4	30SAD46AA005	34UBP01003	M	M	SI S	C/NM	Y (5)
Main Tank Exhaust Fire Damper - Div 4	30SAD46AA006	34UBP01003	M	M	SI S	C/NM	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 155 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Fuel Tank Room Space Heater - Div 4	30SAD46AH001	34UBP01003	M	M	SI S		Y (5)
Fuel Tank Room Ventilation Fan - Div 4	30SAD46AN001	34UBP01003	M	M	SI S	C/NM	Y (5)
Supply Components Pressure - Div 1	30SAD11CP501	31UBP02001	M	M	SI S	1E	Y (5)
Supply Components Pressure - Div 1	30SAD11CP502	31UBP02001	M	M	SI S	1E	Y (5)
Supply Filter Pressure - Div 1	30SAD11CP511	31UBP02001	M	M	SI S	1E	Y (5)
Supply Filter Pressure - Div 1	30SAD11CP512	31UBP02001	M	M	SI S	1E	Y (5)
Building Supply Air Temperature - Div 1	30SAD11CT001	31UBP02001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature A - Div 1	30SAD12CT001	31UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature B - Div 1	30SAD12CT002	31UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature C - Div 1	30SAD12CT003	31UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature D - Div 1	30SAD12CT004	31UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature E - Div 1	30SAD12CT005	31UBP01001	M	M	SI S	1E	Y (5)
Recirc Flow Rate - Div 1	30SAD13CF001	31UBP01001	M	M	SI S	1E	Y (5)
EDG Control Rm Moisture - Div 1	30SAD13CM001	31UBP01002	M	M	SI S	1E	Y (5)
Recirc Pre-filter Pressure - Div 1	30SAD13CP501	31UBP01001	M	M	SI S	1E	Y (5)
Recirc HEPA Filter Pressure - Div 1	30SAD13CP502	31UBP01001	M	M	SI S	1E	Y (5)
Recirc Supply Temperature - Div 1	30SAD13CT001	31UBP01001	M	M	SI S	1E	Y (5)
EDG Control Rm Temperature A - Div 1	30SAD13CT002	31UBP01002	M	M	SI S	1E	Y (5)
EDG Control Rm Temperature B - Div 1	30SAD13CT003	31UBP01002	M	M	SI S	1E	Y (5)
Recirc Heater Outlet Temperature - Div 1	30SAD13CT004	31UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp A - Div 1	30SAD14CT001	31UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp B - Div 1	30SAD14CT002	31UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp C - Div 1	30SAD14CT003	31UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp D - Div 1	30SAD14CT004	31UBP01001	M	M	SI S	1E	Y (5)
Main Tank Temperature - Div 1	30SAD16CT001	31UBP01003	M	M	SI S	1E	Y (5)
Supply Components Pressure - Div 2	30SAD21CP501	32UBP02001	M	M	SI S	1E	Y (5)
Supply Components Pressure - Div 2	30SAD21CP502	32UBP02001	M	M	SI S	1E	Y (5)
Supply Filter Pressure - Div 2	30SAD21CP511	32UBP02001	M	M	SI S	1E	Y (5)
Supply Filter Pressure - Div 2	30SAD21CP512	32UBP02001	M	M	SI S	1E	Y (5)
Building Supply Air Temperature - Div 2	30SAD21CT001	32UBP02001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature A - Div 2	30SAD22CT001	32UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature B - Div 2	30SAD22CT002	32UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature C - Div 2	30SAD22CT003	32UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature D - Div 2	30SAD22CT004	32UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature E - Div 2	30SAD22CT005	32UBP01001	M	M	SI S	1E	Y (5)
Recirc Flow Rate - Div 2	30SAD23CF001	32UBP01001	M	M	SI S	1E	Y (5)
EDG Control Rm Moisture - Div 1	30SAD23CM001	32UBP01002	M	M	SI S	1E	Y (5)
Recirc Pre-filter Pressure - Div 2	30SAD23CP501	32UBP01001	M	M	SI S	1E	Y (5)
Recirc HEPA Filter Pressure - Div 2	30SAD23CP502	32UBP01001	M	M	SI S	1E	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 156 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Recirc Supply Temperature - Div 2	30SAD23CT001	32UBP01001	M	M	SI S	1E	Y (5)
EDG Control Rm Temperature A - Div 2	30SAD23CT002	32UBP01002	M	M	SI S	1E	Y (5)
EDG Control Rm Temperature B - Div 2	30SAD23CT003	32UBP01002	M	M	SI S	1E	Y (5)
Recirc Heater Outlet Temperature - Div 2	30SAD23CT004	32UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp A - Div 2	30SAD24CT001	32UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp B - Div 2	30SAD24CT002	32UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp C - Div 2	30SAD24CT003	32UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp D - Div 2	30SAD24CT004	32UBP01001	M	M	SI S	1E	Y (5)
Main Tank Temperature - Div 2	30SAD26CT001	32UBP01003	M	M	SI S	1E	Y (5)
Supply Components Pressure - Div 3	30SAD31CP501	33UBP02001	M	M	SI S	1E	Y (5)
Supply Components Pressure - Div 3	30SAD31CP502	33UBP02001	M	M	SI S	1E	Y (5)
Supply Filter Pressure - Div 3	30SAD31CP511	33UBP02001	M	M	SI S	1E	Y (5)
Supply Filter Pressure - Div 3	30SAD31CP512	33UBP02001	M	M	SI S	1E	Y (5)
Building Supply Air Temperature - Div 3	30SAD31CT001	33UBP02001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature A - Div 3	30SAD32CT001	33UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature B - Div 3	30SAD32CT002	33UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature C - Div 3	30SAD32CT003	33UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature D - Div 3	30SAD32CT004	33UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature E - Div 3	30SAD32CT005	33UBP01001	M	M	SI S	1E	Y (5)
Recirc Flow Rate - Div 3	30SAD33CF001	33UBP01001	M	M	SI S	1E	Y (5)
EDG Control Rm Moisture - Div 1	30SAD33CM001	33UBP01002	M	M	SI S	1E	Y (5)
Recirc Pre-filter Pressure - Div 3	30SAD33CP501	33UBP01001	M	M	SI S	1E	Y (5)
Recirc HEPA Filter Pressure - Div 3	30SAD33CP502	33UBP01001	M	M	SI S	1E	Y (5)
Recirc Supply Temperature - Div 3	30SAD33CT001	33UBP01001	M	M	SI S	1E	Y (5)
EDG Control Rm Temperature A - Div 3	30SAD33CT002	33UBP01002	M	M	SI S	1E	Y (5)
EDG Control Rm Temperature B - Div 3	30SAD33CT003	33UBP01002	M	M	SI S	1E	Y (5)
Recirc Heater Outlet Temperature - Div 3	30SAD33CT004	33UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp A - Div 3	30SAD34CT001	33UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp B - Div 3	30SAD34CT002	33UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp C - Div 3	30SAD34CT003	33UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp D - Div 3	30SAD34CT004	33UBP01001	M	M	SI S	1E	Y (5)
Main Tank Temperature - Div 3	30SAD36CT001	33UBP01003	M	M	SI S	1E	Y (5)
Supply Components Pressure - Div 4	30SAD41CP501	34UBP02001	M	M	SI S	1E	Y (5)
Supply Components Pressure - Div 4	30SAD41CP502	34UBP02001	M	M	SI S	1E	Y (5)
Supply Filter Pressure - Div 4	30SAD41CP511	34UBP02001	M	M	SI S	1E	Y (5)
Supply Filter Pressure - Div 4	30SAD41CP512	34UBP02001	M	M	SI S	1E	Y (5)
Building Supply Air Temperature - Div 4	30SAD41CT001	34UBP02001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature A - Div 4	30SAD42CT001	34UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature B - Div 4	30SAD42CT002	34UBP01001	M	M	SI S	1E	Y (5)



**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 157 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
Diesel Hall Area Temperature C - Div 4	30SAD42CT003	34UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature D - Div 4	30SAD42CT004	34UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Area Temperature E - Div 4	30SAD42CT005	34UBP01001	M	M	SI S	1E	Y (5)
Recirc Flow Rate - Div 4	30SAD43CF001	34UBP01001	M	M	SI S	1E	Y (5)
EDG Control Rm Moisture - Div 1	30SAD43CM001	34UBP01002	M	M	SI S	1E	Y (5)
Recirc Pre-filter Pressure - Div 4	30SAD43CP501	34UBP01001	M	M	SI S	1E	Y (5)
Recirc HEPA Filter Pressure - Div 4	30SAD43CP502	34UBP01001	M	M	SI S	1E	Y (5)
Recirc Supply Temperature - Div 4	30SAD43CT001	34UBP01001	M	M	SI S	1E	Y (5)
EDG Control Rm Temperature A - Div 4	30SAD43CT002	34UBP01002	M	M	SI S	1E	Y (5)
EDG Control Rm Temperature B - Div 4	30SAD43CT003	34UBP01002	M	M	SI S	1E	Y (5)
Recirc Heater Outlet Temperature - Div 4	30SAD43CT004	34UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp A - Div 4	30SAD44CT001	34UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp B - Div 4	30SAD44CT002	34UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp C - Div 4	30SAD44CT003	34UBP01001	M	M	SI S	1E	Y (5)
Diesel Hall Heater/Fan Temp D - Div 4	30SAD44CT004	34UBP01001	M	M	SI S	1E	Y (5)
Main Tank Temperature - Div 4	30SAD46CT001	34UBP01003	M	M	SI S	1E	Y (5)

### Containment Isolation Systems

Fuel Pool Cooling and Purification System (FPCPS)							
FPP TO RB POOL INSIDE CI VALVE	30FAL12AA001	30UJA07016	H	H	ES SI S	C/NM	Y (4) Y (5)
FPP TO RB POOL OUTSIDE CI VALVE	30FAL12AA002	30UFA06045	M	H	ES SI S	C/NM	Y (3) Y (5)
FPP TO RB POOL OUTSIDE CI VALVE	30FAL15AA002	30UFA10045	M	H	ES SI S	C/NM	Y (3) Y (5)
FPP TO RB POOL INSIDE CI CHECK VALVE	30FAL15AA003	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
FUEL TRANSFER TUBE CI VALVE (OUTER)	30FAL40AA001	30UFA16 023	M	H	ES SI S	C/NM	Y (3) Y (5)
FUEL TRANSFER TUBE CI VALVE (INNER)	30FAL40AA002	30UJA15 021	H	H	ES SI S	C/NM	Y (4) Y (5)
DRAIN/TEST CONNECTION	30FAL15AA406	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
VENT/TEST CONNECTION	30FAL12AA501	30UFA06045	M	H	ES SI S	C/NM	Y(3) Y (5)
VENT/TEST CONNECTION	30FAL15AA503	30UFA10045	M	H	ES SI S	C/NM	Y(3) Y (5)
DRAIN/TEST CONNECTION	30FAL15AA407	30UJA11013	H	H	ES SI S	C/NM	Y(4) Y(5)
DRAIN/TEST CONNECTION	30FAL10AA404	30UJA11013	H	H	ES SI S	C/NM	Y(4) Y(5)
REACTOR CAVITY ISOLATION VALVE	30FAL10AA001	30UJA11021	H	H	SI S	C/NM	Y(4) Y(5)
INTERNALS COMPARTMENT ISOLATION VALVE	30FAL10AA002	30UJA11021	H	H	SI S	C/NM	Y(4) Y(5)
ILCO ISOLATION VALVE	30FAL10AA003	30UJA11021	H	H	SI S	C/NM	Y(4) Y(5)
RB TRANSFER COMPARTMENT ISOLATION VALVE	30FAL10AA004	30UJA11021	H	H	SI S	C/NM	Y(4) Y(5)
RB POOL ISOLATION VALVE	30FAL10AA005	30UJA11021	H	H	SI S	C/NM	Y(4) Y(5)
DRAIN VALVE	30FAL10AA403	30UJA07016	H	H	SI S	C/NM	Y(4) Y(5)
RB POOL SKIMMING PUMP CHECK VALVE	30FAL11AA002	30UJA11021	H	H	SI S	C/NM	Y(4) Y(5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 158 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
DRAIN VALVE	30FAL16AA402	30UJA11021	H	H	SI S	C/NM	Y(4) Y(5)
DRAIN VALVE	30FAL16AA403	30UJA11021	H	H	SI S	C/NM	Y(4) Y(5)
RB POOL TO IRWST DRAIN VALVE	30FAL16AA003	30UJA11021	H	H	SI S	C/NM	Y(4) Y(5)
<b>Demineralized Water Distribution System (DWDS)</b>							
DEMINE WATER LLRT CONN VALVE	30GHC74AA251	30UFA21045	M	H	ES SI S	C/NM	Y (3) Y (5)
DEMINE WATER THERMAL RELIEF VALVE	30GHC74AA192	30UFA21046	M	H	ES SI S	C/NM	Y (3) Y (5)
DEMIENALIZED WATER OUTER COTAINMENT ISOL	30GHC74AA001	30UFA21045	M	H	ES SI S	C/NM	Y (3) Y (5)
DEMIENALIZED WATER INNER COTAINMENT ISOL	30GHC74AA002	30UJA18013	H	H	ES SI S	C/NM	Y (4) Y (5)
<b>Leak-Off System (LOS)</b>							
CIDS INSIDE CI VALVE	30JMM10AA006	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)
CIDS OUTSIDE CI VALVE	30JMM10AA007	30UFA24095	M	H	ES SI S	C/NM	Y (3) Y (5)
CIDS LLRT Test Valve	30JMM10AA252	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)
CLES CI VALVE: LOCATED INSIDE RB (UJA)	30JMM23AA001	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
CLES CI VALVE: LOCATED INSIDE ANNULUS (U)	30JMM23AA002	30UJB05002	M	M	ES SI S	C/NM	Y (5)
CLES LLRT Test Valve	30JMM23AA252	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
CLTS INSIDE CI VALVE (NON MOTORIZED)	30JMM30AA001	30UJA29015	H	H	ES SI S	C/NM	Y (4) Y (5)
CLTS OUTSIDE CI VALVE (NON MOTORIZED)	30JMM30AA003	33UJH10002	M	H	ES SI S	C/NM	Y (5)
CLTS LLRT Test Valve	30JMM30AA252	30UJA29015	H	H	ES SI S	C/NM	Y (4) Y (5)
<b>Severe Accident Heat Removal System (SAHRS)</b>							
SUCTION LINE FROM IRWST OUTER CI VALVE	30JMQ40AA001	34UJH01010	M	H	ES SI S	C/NM	Y (3) Y (5)
SPRAYING LINE OUTER CI VALVE	30JMQ41AA001	34UJH05007	M	H	ES SI S	C/NM	Y (3) Y (5)
SPRAYING LINE INSIDE CI CHECK VALVE	30JMQ41AA002	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
SPRAYING LINE FROM IRWST LLRT CONN VALVE	30JMQ41AA008	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
ACTIVE RECIRCULATION LINE OUTER CI VALVE	30JMQ42AA001	34UJH05007	M	H	ES SI S	C/NM	Y (3) Y (5)
ACTIVE RECIRCULATION LINE INSIDE CI CHEC	30JMQ42AA002	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
ACTIVE RECIRCULATION LINE LLRT CONN VALVE	30JMQ42AA008	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
BACKFLUSHING LINE OUTER CI VALVE	30JMQ43AA001	34UJH05007	M	H	ES SI S	C/NM	Y (3) Y (5)
BACKFLUSHING LINE INSIDE CI CHECK VALVE	30JMQ43AA002	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
BACKFLUSHING LINE LLRT CONN VALVE	30JMQ43AA008	30UJA07015	H	H	ES SI S	C/NM	Y (4) Y (5)
<b>Gaseous Waste Processing System (GWPS)</b>							

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 159 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated			Safety Class (Note 4)	EQ Program Designation (Note 5)	
					Function (Note 3)					
Containment Isolation Valve (UFA Side)	30KPL84AA002	30UFA06095	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
Containment Isolation Valve (UJA side)	30KPL84AA003	30UJA07016	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
Containment Isolation Valve (UJA side)	30KPL85AA003	30UJA07016	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
Containment Isolation Valve (UFA side)	30KPL85AA004	30UFA06095	M	H	ES	SI	S	C/NM	Y (3)	Y (5)
TEST CONNECTION ISOLATION VALVE	30KPL85AA202	30UJA07016	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
<b>Condensate (Inside Containment) System (CS)</b>										
Condensate C I-V	30LCA90AA003	32UJE34003	M	M	ES	SI	S	C/NM		Y (5)
Condensate containment I-V	30LCA90AA004	30UJA34014	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
Condensate C I-V	30LCA90AA005	30UJA34014	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
Condensate C I-V	30LCA90AA006	32UJE34003	M	M	ES	SI	S	C/NM		Y (5)
Condensate BD cooler I-V	30LCA90AA009	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
Condensate BD cooler I-V	30LCA90AA015	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
Condensate BD cooler I-V	30LCA90AA016	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
Condensate BD cooler I-V	30LCA90AA017	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
Condensate BD cooler bypass I-V	30LCA90AA030	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
Condensate BD cooler bypass I-V	30LCA90AA031	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
BD cooler shell relief valve	30LCA90AA182	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
BD cooler shell relief valve	30LCA90AA184	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
BD cooler bypass relief valve	30LCA90AA186	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
Condensate relief valve by BD cooler	30LCA90AA188	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
Condensate relief valve by BD cooler	30LCA90AA191	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
Condensate Containment Penetration relief	30LCA90AA195	30UJA34014	H	H	ES	SI	S	C/NM	Y (4)	Y (5)
condensate BD cooler press instr I-V	30LCA90AA310	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
condensate BD cooler press instr I-V	30LCA90AA320	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
condensate BD cooler press instr I-V	30LCA90AA330	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
Condensate drain I-V	30LCA90AA401	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
Condensate drain I-V	30LCA90AA402	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
BD cooler drain valve	30LCA90AA406	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
condensate drain valve	30LCA90AA410	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
BD cooler vent valve	30LCA90AA501	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
BD cooler vent valve	30LCA90AA502	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
BD cooler vent valve	30LCA90AA511	30UJA07018	H	H		SII	NS-AQ	C/NM	Y (4)	Y (5)
<b>Central Gas Distribution (Nitrogen) System (CGDS)</b>										
QJB OUTSIDE CONTAINMENT ISOLATION VALVE	30QJB40AA001	30UFA24045	M	H	ES	SI	S	C/NM	Y (3)	Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
**Sheet 160 of 161**

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
QJB INSIDE CONTAINMENT ISOLATION VALVE #	30QJB40AA002	30UJA23013	H	H	ES SI S	C/NM	Y (4) Y (5)
QJB OUTSIDE CONTAINMENT ISOLATION VALVE	30QJB40AA003	30UFA10095	M	H	ES SI S	C/NM	Y (3) Y (5)
QJB INSIDE CONTAINMENT ISOLATION VALVE #	30QJB40AA004	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
<b>Operational Chilled Water System - Nuclear Island (OCWS)</b>							
Outside Cont Isol Valve #1	30QNJ41AA002	30UFA17095	M	H	ES SI S	C/NM	Y (3) Y (5)
Inside Cont Isol Valve #1	30QNJ41AA003	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
Inside Cont Isol Valve #2	30QNJ41AA027	30UJA18016	H	H	ES SI S	C/NM	Y (4) Y (5)
Outside Cont Isol Valve #2	30QNJ41AA028	30UFA17095	M	H	ES SI S	C/NM	Y (3) Y (5)
<b>Secondary Sampling (SG Blowdown) System (SECSS)</b>							
BD sampling Containment isolation valve	30QUC11AA001	30UFA10045	M	H	ES SI S	C/NM	Y (3) Y (5)
BD sampling C I-V	30QUC11AA011	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
BD sampling drain valve	30QUC11AA304	30UJA11013	H	H	SI S	C/NM	Y (4) Y (5)
BD sampling drain valve	30QUC11AA305	30UJA11013	H	H	SI S	C/NM	Y (4) Y (5)
BD sampling C I-V	30QUC12AA001	30UFA10045	M	H	ES SI S	C/NM	Y (3) Y (5)
BD sampling C I-V	30QUC12AA011	30UJA11013	H	H	ES SI S	C/NM	Y (4) Y (5)
BD sampling drain valve	30QUC12AA304	30UJA11013	H	H	SI S	C/NM	Y (4) Y (5)
BD sampling drain valve	30QUC12AA305	30UJA11013	H	H	SI S	C/NM	Y (4) Y (5)
BD sampling C I-V	30QUC13AA001	30UFA10095	M	H	ES SI S	C/NM	Y (3) Y (5)
BD sampling C I-V	30QUC13AA011	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
BD sampling drain valve	30QUC13AA304	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
BD sampling drain valve	30QUC13AA305	30UJA11016	H	H	SI S	C/NM	Y (4) Y (5)
BD sampling C I-V	30QUC14AA001	30UFA10095	M	H	ES SI S	C/NM	Y (3) Y (5)
BD sampling C I-V	30QUC14AA011	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
BD sampling drain valve	30QUC14AA304	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
BD sampling drain valve	30QUC14AA305	30UJA11016	H	H	ES SI S	C/NM	Y (4) Y (5)
<b>Compressed Air System (CAS)</b>							
COMPRESSED AIR OUTER CONTAINMENT ISOLATION VALVE	30SCB01AA001	30UFA13054	M	H	ES SI S	C/NM	Y (3) Y (5)
COMPRESSED AIR INNER CONTAINMENT ISOLATION VALVE	30SCB01AA002	30UJA15016	H	H	ES SI S	C/NM	Y (4) Y (5)
COMPRESSED AIR OUTER CONTAINMENT ISOLATION VALVE	30SCB02AA001	30UFA13054	M	H	ES SI S	C/NM	Y (3) Y (5)
COMPRESSED AIR INNER CONTAINMENT ISOLATION VALVE	30SCB02AA002	30UJA15016	H	H	ES SI S	C/NM	Y (4) Y (5)

**Table 3.10-1 List of Seismically and Dynamically Qualified Mechanical and Electrical Equipment**  
 Sheet 161 of 161

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
<b>Fire Water Distribution System (FWDS)</b>							
FIRE WATER DISTRIBUTION SYSTEM CI VALVE	30SGB30AA031	30UFA13054	M	H	ES SI S	C/NM	Y (3) Y (5)
FIRE WATER DISTRIBUTION SYSTEM CI VALVE	30SGB30AA032	30UJA15016	H	H	ES SI S	C/NM	Y (4) Y (5)
FIRE WATER DISTRIBUTION THERMAL RELIEF VALVE	30SGB30AA191	30UJA15016	H	H	ES SI S	C/NM	Y (4) Y (5)
<b>Nuclear Island Drain &amp; Vent System (NI DVS)</b>							
INNER CONT ISO VLV	30KTA10AA017	30UJA07016	H	H	ES SI S	C/NM	Y (4) Y (5)
CONT ISO INNER VLV	30KTC10AA005	30UJA07016	H	H	ES SI S	C/NM	Y (4) Y (5)
CONT ISO OUTER VLV	30KTC10AA006	30UFA06095	M	H	ES SI S	C/NM	Y (3) Y (5)
CONT ISO OUTER VLV	30KTC10AA010	30UFA06095	M	H	ES SI S	C/NM	Y (3) Y (5)
OUTER CONT ISO VLV FLOOR DRN 2 RB	30KTD10AA015	30UFA06095	M	H	ES SI S	C/NM	Y (3) Y (5)
INNER CONT ISO VLV FLR DRN 2 RB	30KTD10AA024	30UJA07016	H	H	ES SI S	C/NM	Y (4) Y (5)
OUTER CONT ISO VLV ANNULUS	30KTD10AA025	30UFA10095	M	H	ES SI S	C/NM	Y (3) Y (5)
CONT ISO OUTER VLV	30KTA10AA018	30UFA06045	M	H	ES SI S	C/NM	Y (3) Y (5)
<b>Containment Penetrations -Piping</b>							

As a Result of the EQ Program Screening No Components in this System were identified for Seismic Qualification. These penetrations are considered part of the Containment Building Inner Shell and are analyzed as part of that structure.

For a List of Components Requiring EQ see Table 3.11-1

<b>NOTES</b>
1. EQ Environment: (M= Mild, H= Harsh)
2. Radiation Environment Zone: (M= Mild, H= Harsh)
3. EQ Designated Function: RT (Reactor Trip), ES (Engineered Safeguards), PAM (Post Accident Monitoring), SI (Seismic I), SII (Seismic II)
4. Safety Class: S (Safety Related), NS-AQ (Supplemental Grade Non-Safety), 1E (Class 1E), EMC (Electromagnetic Compatibility), C/NM (Consumables/Non Metallics)
5. EQ Program Designation: Yes (1) = Full EQ Electrical, Yes (2) = EQ Radiation Harsh-Electrical, Yes (3) = EQ Radiation Harsh-Consumables, Yes (4) = EQ for Consumables, Yes (5) = EQ Seismic, Yes (6) = EQ EMC.