

Table 3.2.2-1—Classification Summary
Sheet 1 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
REACTOR COOLANT SYSTEM							
JE, JA, JDA	Reactor Coolant System						
30JEF10 AA009/010	Bypass Valves for PDS Valves	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEC10/20/30/40	Cold Leg Instrument Piping and Root Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30JEC10/20/30/40 BR003	Cold Leg Piping	S	A	I	Yes	UJA	ASME Class 1 ¹
JDA	Control Rod Drive Mechanism - Bottom Position Limit Sensors	S	N/A	I	Yes	UJA	
JDA	Control Rod Drive Mechanism - Latch Mechanism	S	N/A	I	Yes	UJA	
JDA	Control Rod Drive Mechanism - Operating Coils	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
JDA	Control Rod Drive Mechanism - Pressure Boundary	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEC10/20/30/40	Cross-over Leg Instrument Piping and Root Valves	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 2 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JEC10/20/30/40 BR002	Cross-over Leg Piping	S	A	I	Yes	UJA	ASME Class 1 ¹
JAC	Heavy Reflector - Centering Pins	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	Heavy Reflector - Normal and Centering Rings	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	Heavy Reflector - Positioning Keys	NS-AQ	N/A	II	Yes	UJA	ASME Class CS ⁴ (Internal Structure) RG 1.29 ²⁵
JAC	Heavy Reflector - Slabs	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	Heavy Reflector - Tie Rods	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	Heavy Reflector - Upper Core Plate Guide Pins	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	Heavy Reflector - Vertical Keys	S	B	I	Yes	UJA	ASME Class CS ⁴
30JEC10/20/30/40	Hot Leg Instrument Piping and Root Valves	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEC10/20/30/40 BR001	Hot Leg Piping	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 BR004	PDS Discharge Line Pipe #1	S	A	I	Yes	UJA	ASME Class 1 ¹

Table 3.2.2-1—Classification Summary
Sheet 3 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JEF10 BR006	PDS Discharge Line Pipe #2	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 AA004-007	PDS Valves	S	A	I	Yes	UJA	ASME Class 1 ¹
30JAA10	Post Accident High Point Vent Piping (downstream of Valves 30JAA10 AA509/511)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵ 10 CFR 50.46a ²⁵
30JAA10	Post Accident High Point Vent Piping (upstream of Valves 30JAA10 AA508/510)	S	A	I	Yes	UJA	ASME Class 1 ¹
30JAA10 AA508-511	Post Accident RPV High Point Vent Valves	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 BB001	Pressurizer	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10	Pressurizer Auxiliary Spray Line & Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 AA002/003	Pressurizer By-Pass Manual Spray Valves	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 BR002/003	Pressurizer By-Pass Spray Lines	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 BR402	Pressurizer Degassing Drain Line Pipe #1	S	B	I	Yes	UJA	ASME Class 2 ²
30JEG10 BR403	Pressurizer Degassing Drain Line Pipe #2	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 4 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JEF10 AA402/403	Pressurizer Degassing Drain Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30JEG10	Pressurizer Degassing Piping & Valves (downstream of Valve 30JEF10 AA504)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ RG 1.29 ²⁵
30JEG10	Pressurizer Degassing Piping & Valves (upstream of Valve 30JEF10 AA503)	S	B	I	Yes	UJA	ASME Class 2 ²
30JEF10 AA503/504	Pressurizer Degassing Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30JEF10 AH	Pressurizer Heater Assemblies - Pressure Boundary	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 BR301/302/303/304 and 30JEF10 AA301/302/303/304	Pressurizer Upper Instrumentation Piping and Root Valves	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 BR305/306/307/308 and 30JEF10 AA305/306/307/308	Pressurizer Lower Instrumentation Piping and Root Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30JEF10 BR102/103	Pressurizer Normal Spray Lines	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 AA102/103	Pressurizer Normal Spray Valves	S	A	I	Yes	UJA	ASME Class 1 ¹

Table 3.2.2-1—Classification Summary
Sheet 5 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JEG10	Pressurizer Relief Tank and Associated Piping & Valves (downstream of PSRV and PDS Valves)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , ASME VIII ⁸ RG 1.29 ²⁵
30JEF10	Pressurizer Sampling Line & Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JEC30 BR004	Pressurizer Surge Line	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEG10	Pressurizer Vacuum Pump/Nitrogen Piping & Valves (downstream of Valve 30JEF10 AA502)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ RG 1.29 ²⁵
30JEF10 BR501	Pressurizer Vacuum Pump/Nitrogen Supply Line	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 AA501/502	Pressurizer Vacuum Pump/Nitrogen Valves	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEF10 AA191-193	PSRVs	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEB10/20/30/40	RCP Motors - Rotating Assemblies/Bearings/Bearing Supports/Motor Frames	S	N/A	I	Yes	UJA	ASME III Allowables as applicable

Table 3.2.2-1—Classification Summary
Sheet 6 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JEB10/20/30/40	RCP Motors - Oil Collection Pipe, Valves, and Tanks	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , API 620 ¹⁰ RG 1.29 ²⁵ RG 1.189 ²⁵
30JEB10/20/30/40	RCP Motors - Oil Coolers/Air Coolers/Oil Lift Pumps (non-motor)	S	C	I	Yes	UJA	ASME Class 3 ³
30JEB10/20/30/40	RCP Motors - Remaining Parts	NS-AQ	N/A	II	Yes	UJA	NEMA MG 1-2006 RG 1.29 ²⁵
30JEB10/20/30/40	RCP Seal #1 Injection Line Auxiliary Piping and Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30JEB10/20/30/40	RCP Seal #1 Sweeping Line Auxiliary Piping and Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30JEB10/20/30/40	RCP Seal #2 Auxiliary Piping and Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ RG 1.29 ²⁵ RG 1.155 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 7 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JEB10/20/30/40	RCP Seal #3 Auxiliary Piping and Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ RG 1.29 ²⁵ RG 1.155 ²⁵
30JEB10/20/30/40	RCP Standstill Seal System Auxiliary Piping and Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , RG 1.29 ²⁵ RG 1.155 ²⁵
30JEB10/20/30/40	RCP Thermal Barrier Auxiliary Piping and Valves	S	C	I	Yes	UJA	ASME Class 3 ³
30JEB10/20/30/40 AP001	Reactor Coolant Pump Bodies	S	A	I	Yes	UJA	ASME Class 1 ¹
30JAH10 BU	Reactor Coolant System Insulation	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
30JAA10 BB001	Reactor Pressure Vessel Pressure Boundary	S	A	I	Yes	UJA	ASME Class 1 ¹
30JAA10BB001	Reactor Pressure Vessel (Radial Keys)	S	B	I	Yes	UJA	ASME Class CS ⁴
30JAA10	RPV High Point Vent Piping & Valves (downstream of Valve 30JAA10 AA502)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ RG 1.29 ²⁵ 10 CFR 50.46a ²⁵

Table 3.2.2-1—Classification Summary
Sheet 8 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JAA10	RPV High Point Vent Piping (upstream of Valve 30JAA10 AA501)	S	A	I	Yes	UJA	ASME Class 1 ¹
30JAA10 AA501/502	RPV High Point Vent Valves	S	A	I	Yes	UJA	ASME Class 1 ¹
JAC	RPV Internals - Control Rod Drive Mechanism Adaptor Thermal Sleeves	NS-AQ	N/A	II	Yes	UJA	ASME Class CS ⁴ (Internal Structure) RG 1.29 ²⁵
30JAB	RPV Refueling Cavity Ring	S	N/A	I	Yes	UJA	Note 24
JAC	RPV Internals - Handling Studs and Inserts	NS-AQ	N/A	II	Yes	UJA	ASME Class CS ⁴ (Internal Structure) RG 1.29 ²⁵
JAC	RPV Internals - Head and Vessel Alignment Pins	NS-AQ	N/A	II	Yes	UJA	ASME Class CS ⁴ (Internal Structure) RG 1.29 ²⁵
JAC	RPV Internals - Hold Down Spring	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	RPV Internals - Radial Key Inserts	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	RPV Lower Internals - Core Barrel (Flange and Shells)	S	B	I	Yes	UJA	ASME Class CS ⁴

Table 3.2.2-1—Classification Summary
Sheet 9 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JAC	RPV Lower Internals - Dome Spray Nozzles	NS-AQ	N/A	II	Yes	UJA	ASME Class CS ⁴ (Internal Structure) RG 1.29 ²⁵
JAC	RPV Lower Internals - Flow Distribution Device	NS-AQ	N/A	II	Yes	UJA	ASME Class CS ⁴ (Internal Structure) RG 1.29 ²⁵
JAC	RPV Lower Internals - Fuel Assembly Guide Pin	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	RPV Lower Internals - Irradiation Capsule Access Plug	NS-AQ	N/A	II	Yes	UJA	ASME Class CS ⁴ (Internal Structure) RG 1.29 ²⁵
JAC	RPV Lower Internals - Irradiation Capsule Basket	NS-AQ	N/A	II	Yes	UJA	ASME Class CS ⁴ (Internal Structure) RG 1.29 ²⁵
JAC	RPV Lower Internals - Lower Support Plate	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	RPV Lower Internals - Radial Key Inserts	S	B	I	Yes	UJA	ASME Class CS ⁴
30JAA10	RPV O-Ring Leakoff Piping & Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 10 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JAC	RPV Upper Internals - Control Rod Guide Assembly	S	N/A	I	Yes	UJA	ASME Class CS ⁴ (Internal Structure)
JAC	RPV Upper Internals - Control Rod Guide Assembly Columns	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	RPV Upper Internals - Control Rod Guide Assembly Support Pins	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	RPV Upper Internals - Guide Tubes for Incore Instrumentation	S	N/A	I	Yes	UJA	ASME Class CS ⁴ (Internal Structure)
JAC	RPV Upper Internals - Level Measurement Probe Columns	NS-AQ	N/A	II	Yes	UJA	ASME Class CS ⁴ (Internal Structure) RG 1.29 ²⁵
JAC	RPV Upper Internals - Level Measurement Probe Upper Housing	NS-AQ	N/A	II	Yes	UJA	ASME Class CS ⁴ (Internal Structure) RG 1.29 ²⁵
JAC	RPV Upper Internals - Normal Support Columns	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	RPV Upper Internals - Upper Core Plate	S	B	I	Yes	UJA	ASME Class CS ⁴

Table 3.2.2-1—Classification Summary
Sheet 11 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JAC	RPV Upper Internals - Upper Fuel Pins	S	B	I	Yes	UJA	ASME Class CS ⁴
JAC	RPV Upper Internals - Upper Support Plate (Flange & Shell)	S	B	I	Yes	UJA	ASME Class CS ⁴
30JEA10/20/30/40	Steam Generator Instrument Piping and Root Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30JEA10/20/30/40	Steam Generator Sampling Line and Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JEA10/20/30/40 AC001	Steam Generators, Primary	S	A	I	Yes	UJA	ASME Class 1 ¹
30JEA10/20/30/40 AC001	Steam Generators, Secondary	S	B	I	Yes	UJA	ASME Class 2 ²
FRONT LINE SYSTEMS							
JNA	Residual Heat Removal System						
30JNA10/20/30/40 BR009	Bypass Piping around RHR 1 st RCPB Isolation Valve Containing RHR 1 st RCPB Bypass Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 12 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNK10/11 BR195	LHSI /RHRS Overpressure Protection Piping between RHR Suction Line Safety Relief Valve and IRWSTS	S	B	I	Yes	UJA	ASME Class 2 ²
30JNK10/11 BR192	LHSI /RHRS Overpressure Protection Piping between RHR Suction Line Safety Relief Valve and IRWSTS	S	B	I	Yes	UJA	ASME Class 2 ²
30JNA30/40 AA006	LHSI Heat Exchanger Bypass Check Valve on Purification Line to CVCS	S	B	I	Yes	UJH	ASME Class 2 ²
30JNA10/20/30/40 AA101	LHSI Heat Exchanger Bypass Control Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNA30/40 AA004	LHSI Heat Exchanger Bypass Isolation Valve on Purification Line to CVCS	S	B	I	Yes	UJH	ASME Class 2 ²
30JNA30/40 AA103	LHSI Heat Exchanger Bypass Throttle Valve on Purification Line to CVCS	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 13 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNA10/20/30/40 BR004	LHSI RHR Heat Exchanger Bypass Line Containing LHSI Heat Exchanger Bypass Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNA10/20/30/40 BR002	Piping between Containment Penetrations (30JMK10 BQ103, 30JMK20 BQ203, 30JMK30 BQ308, and 30JMK40 BQ403) and RHR 2 nd RCPB Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNA30/40 BR006	Piping between LHSI HX Downstream Line and Purification Line to CVCS containing LHSI HX Throttle Bypass Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNA10/20/30/40 BR326	Piping between RCS Hot Leg and RCS Hot Leg Pressure Sensor Root Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNA10/20/30/40 BR315	Piping between RCS Suction Line and RHR Suction Line Pressure Sensor Root Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 14 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNA10/20/30/40 BR191	Piping between RCS Suction Line and RHR Suction Line Safety Relief Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNA10/20/30/40 BR003	Piping between Suction Side of LHSI Pump and Containment Penetrations (30JMK10 BQ103, 30JMK20 BQ203, 30JMK30 BQ308, 30JMK40 BQ403) Containing RHR Outside Containment Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNA40 BR007	Purification Line between LHSI HX Bypass Line and CVCS Piping	S	B	I	Yes	UJH	ASME Class 2 ²
30JNA30 BR007	Purification Line between LHSI HX Bypass Line and Train 4 Purification Line	S	B	I	Yes	UJH	ASME Class 2 ²

**Table 3.2.2-1—Classification Summary
Sheet 15 of 197**

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNA10/20/30/40 BR001	RCS Suction Line Piping between RHR 2 nd RCPB Isolation Valve and Connection to RCS Hot Leg in RCS	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNA10/20/30/40 AA009	RHR 1 st RCPB Bypass Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNA10/20/30/40 AA001	RHR 1 st RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNA10/20/30/40 AA002	RHR 2 nd RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNA10/20/30/40 AA003	RHR Outside Containment Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNA10/20/30/40 AA191	RHR Suction Line Safety Relief Valve	S	B	I	Yes	UJA	ASME Class 2 ²

**Table 3.2.2-1—Classification Summary
Sheet 16 of 197**

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JND	Medium Head Safety Injection System						
30JND10/20/30/40 BP001	Flow Restrictor at Inlet of MHSI Large Miniflow Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JND10/20/30/40 BP002	Flow Restrictor at Inlet of MHSI Small Miniflow Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JND10/20/30/40 BP003	Flow Restrictor in MHSI Pump Discharge Line between MHSI Inside Containment Isolation Valve and MHSI 2 nd RCPB Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JND10/20/30/40 AA003	MHSI 2 nd RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JND10/20/30/40 AA103	MHSI Control Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JND10/20/30/40 AA007	MHSI Inside Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JND10/20/30/40 AA005	MHSI Large Miniflow Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 17 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JND10/20/30/40 AA002	MHSI Outside Containment Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JND10/20/30/40 AP001	MHSI Pump	S	B	I	Yes	UJH	ASME Class 2 ²
30JND10/20/30/40 AA004	MHSI Small Miniflow Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JND10/20/30/40 AA001	MHSI Suction Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JND10/20/30/40 BR012	Piping between Containment Penetrations (30JMK10 BQ102, 30JMK20 BQ202, 30JMK30 BQ302, and 30JMK40 BQ402) and Inlet of MHSI Inside Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JND10/20/30/40 BR002	Piping between MHSI Pump and MHSI Outside Containment Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 18 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JND10/20/30/40 BR003	Piping between Inlet of MHSI Inside Containment Isolation Valve and MHSI 2 nd RCPB Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JND10/20/30/40 BR001	Piping between IRWSTS 3-Way Isolation Valve and Flange at Suction of MHSI Pump	S	B	I	Yes	UJH	ASME Class 2 ²
30JND10/20/30/40 BR004	Piping between MHSI 2 nd RCPB Isolation Valve and Cold Leg Injection Line	S	A	I	Yes	UJA	ASME Class 1 ¹
30JND10/20/30/40 BR008	Piping between MHSI Large and Small Miniflow Line Isolation Valves to the Miniflow Line Header	S	B	I	Yes	UJA	ASME Class 2 ²
30JNK10/11 BR098/099	Piping between MHSI Large and Small Miniflow Lines to the MHSI Miniflow Line Header going into the IRWSTS	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 19 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JND10/20/30/40 BR005	Piping between MHSI Large Miniflow Line and Inlet of MHSI Small Miniflow Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JND10/20/30/40 BR011	Piping Between MHSI Outside Containment Valves and Containment Penetrations (30JMK10 BQ102, 30JMK20 BQ202, 30JMK30 BQ302, and 30JMK40 BQ402)	S	B	I	Yes	UJH	ASME Class 2 ²
30JND10/20/30/40 BR006	Piping between MHSI Pump Discharge Line and Inlet of MHSI Large Miniflow Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JND10/20/30/40 BR313	Piping between MHSI Pump Discharge Line and Inlet to MHSI Flowrate Sensor Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 20 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JND10/20/30/40 BR311	Piping between MHSI Pump Discharge Line and MHSI Pump Downstream Pressure Indicator (Local) Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JND10/20/30/40 BR312	Piping between MHSI Pump Discharge Line and MHSI Pump Downstream Pressure Sensor Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JND10/20/30/40 BR314	Piping between MHSI Pump Discharge Line and Outlet of MHSI Flowrate Sensor Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JND40 BR010	Piping between MHSI Suction Isolation Valve and IRWSTS Three-Way Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JND10/20/30/40 BR310	Piping between Suction Line of MHSI Pump and MHSI Pump Upstream Pressure Indicator (Local) Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 21 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JND11AP002	Primary Coolant Injection Pump	NS-AQ	D	II	Yes	UJH	Manufacturer Standards, ASCE 43-05, RG 1.29 ²⁵
30JND11AA008	Primary Coolant Injection Pump Suction Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JND11AA009	Primary Coolant Injection Pump Suction Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JND11AA191	Primary Coolant Injection Thermal Relief Valve	NS-AQ	D	II	Yes	UJH	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
30JND11AA013	Primary Coolant Injection Spare Connection Isolation Valve	NS-AQ	D	II	Yes	UJH	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
30JND11AA011	Primary Coolant Injection Discharge Check Valve	NS-AQ	D	II	Yes	UJH	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
30JND11AA012	Primary Coolant Injection Outside Containment Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 22 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JND11BR012	Piping between MHSI Pump Suction Line and Primary Coolant Injection Pump Suction Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JND11BR013	Piping between Primary Coolant Injection Pump Suction Isolation Valve and Primary Coolant Injection Pump	NS-AQ	D	II	Yes	UJH	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
30JND11BR014	Piping between Primary Coolant Injection Pump and Primary Coolant Injection Outside Containment Isolation Valve	NS-AQ	D	II	Yes	UJH	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
30JND11BR191	Piping between Primary Coolant Injection Pump Discharge Piping and Thermal Relief Valve	NS-AQ	D	II	Yes	UJH	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
30JND11BR192	Discharge Piping for Thermal Relief Valve	NS-AQ	D	II	Yes	UJH	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 23 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JND11BR015	Branch Piping from Primary Coolant Injection Pump Discharge Piping for Spare Hose Connection	NS-AQ	D	II	Yes	UJH	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
30JND11BR016	Branch Piping from Primary Coolant Injection Outside Containment Isolation Valve to pipe 30JND10BR001	S	B	I	Yes	UJH	ASME Class 2 ²
JNG	Low Head Safety Injection System						
30JNG13/23/33/43 BP001	1 st Flow Restrictor in Accumulator Filling Line	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BP002	2 nd Flow Restrictor in Accumulator Filling Line	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 AA009	Accumulator Check Valve	S	A	I	Yes	UJA	ASME Class 1 ¹

Table 3.2.2-1—Classification Summary
Sheet 24 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG13/23/33/43 BR002	Accumulator Cold Leg Pressurization Line between Outlet of Accumulator Check Valve and Inlet of SIS 1 st RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG13/23/33/43 AA101	Accumulator Depressurization Control Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 AA502	Accumulator Depressurization Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 AA003	Accumulator Filling Line Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 AA002	Accumulator Filling Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 AA008	Accumulator Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 AA197	Accumulator Safety Relief Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 AA007	Accumulator-Nitrogen Distribution Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 25 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG13/23/33/43 AA006	Accumulator-Nitrogen Distribution Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 BR061	Bypass Line around LHSI Outside Containment Main Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG15/25/35/45 BR011	Bypass Piping around Dead Leg Pressurization Valve Downstream of the Dead Leg Pressurization Bypass Check Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG15/25/35/45 BR010	Bypass Piping around Dead Leg Pressurization Valve Upstream of the Dead Leg Pressurization Bypass Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/40 BR011	Bypass Piping around LHSI Cross-Connect Isolation Valve Containing LHSI Cross-Connect Bypass Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 26 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG10/20/30/40 BR008	Cold leg Injection Line between LHSI 2 nd RCPB Isolation Valve and Accumulator Cold Leg Injection Line	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG13/23/33/43 BR007	Cold leg Injection Line between SIS 1 st RCPB Isolation Valve and RCS going to the Cold Leg Nozzle	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG10/40 AA012	Cross-Connect Bypass Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 BR010	Cross-Connect Piping between Trains 1 and 2 and Trains 3 and 4 respectively to the LHSI Cross-Connect Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG15/25/35/45 AA003	Dead Leg Pressure Bypass Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG15/25/35/45 AA004	Dead Leg Pressure Control Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG15/25/35/45 AA001	Dead Leg Pressurization Valve	S	A	I	Yes	UJA	ASME Class 1 ¹

Table 3.2.2-1—Classification Summary
Sheet 27 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG15/25/35/45 AA005	Dead Leg Pressurization Bypass Check Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG15/25/35/45 BP001	Flow Restrictor Downstream of Dead Leg Pressure Control Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG10/20/30/40 BP061	Flow Restrictor in LHSI Outside Containment Main Isolation Valve Bypass Line	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 BP001	Flow Restrictor in LHSI Tangential Miniflow Line	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG12/22/32/42 BP001	Flow Restrictor in Line between Cold Leg Injection Line and Hot Leg Suction/Injection Line	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 AA006	LHSI 2 nd RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG10/20/30/40 AA106	LHSI Control Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 AA011	LHSI Cross-Connect Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 28 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG10/20/30/40 AA010	LHSI Cross-Connect Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 AA192	LHSI Discharge Line Safety Relief Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 AC001	LHSI Heat Exchanger	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 AA102	LHSI Heat Exchanger Main Control Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG12/22/32/42 AA002	LHSI Hot Leg Injection Check Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG12/22/32/42 AA001	LHSI Hot Leg Injection Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 AA009	LHSI Inside Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 AA061	LHSI Outside Containment Bypass Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 AA060	LHSI Outside Containment Main Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 AP001	LHSI Pump	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 AA003	LHSI Radial Miniflow Line Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 29 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG10/20/30/40 AA001	LHSI Suction Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 AA004	LHSI Tangential Miniflow Line Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR501	Piping between Accumulator and Accumulator Depressurization Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR305	Piping between Accumulator and Accumulator Level Sensor Root Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR006	Piping between Accumulator and Accumulator Nitrogen Distribution Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR304	Piping between Accumulator and Accumulator Pressure Sensor Root Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 30 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG13/23/33/43 BR197	Piping between Accumulator and Accumulator Safety Relief Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR601	Piping between Accumulator and Connection to Nuclear Sampling System	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR302	Piping between Accumulator and Local Pressure/Level Sensor Root Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR301	Piping between Accumulator and Pressure/Level Sensor #1 Root Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR303	Piping between Accumulator and Pressure/Level Sensor #2 Root Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR005	Piping between Accumulator Fill Line and Accumulator Drain Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 31 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG13/23/33/43 BR004	Piping between Accumulator Filling Line Isolation Valve and Accumulator Cold Leg Injection Line	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR316	Piping between Cold leg Injection Line and Cold Leg Injection Pressure Sensor Root Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 BR005	Piping between Containment Penetrations (30JMK10 BQ101, 30JMK20 BQ201, 30JMK30 BQ301, and 30JMK40 BQ401) and LHSI 2 nd RCPB Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG15/25/35/45 BR009	Piping between Dead Leg Pressurization Valve and Dead Leg Bypass Isolation Line	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 BR304	Piping between Discharge of LHSI Pump and LHSI Pump Downstream Pressure Indicator (Local) Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 32 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG10/20/30/40 BR003	Piping between Flange at Suction of LHSI Pump and LHSI Heat Exchanger	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG12/22/32/42 BR309	Piping between Hot Leg Injection Line and Inlet of Hot Leg Injection Flowrate Sensor Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG12/22/32/42 BR308	Piping between Hot Leg Injection Line and Outlet of Hot Leg Injection Flowrate Sensor Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG13/23/33/43 BR001	Piping between Inlet of Accumulator Check Valve and Accumulator	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG15/25/35/45 BR001	Piping between Inlet of Dead Leg Pressurization Valve and Cold Leg Injection Line	S	A	I	Yes	UJA	ASME Class 1 ¹

Table 3.2.2-1—Classification Summary
Sheet 33 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG10/20/30/40 BR001	Piping between IRWSTS Three-Way Isolation Valve, LHSI Suction Isolation Line and SAHRS-IRWSTS 1 st Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 BR006	Piping between LHSI Discharge Line and LHSI Tangential Miniflow Line Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNK10/11 BR194/196	Piping between LHSI Discharge Line Safety Relief Valve and IRWSTS	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 BR192	Piping between LHSI Discharge Line Safety Relief Valve and LHSI Tangential Miniflow Line	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 BR403/503	Piping between LHSI Heat Exchanger and KT System Floor Drain 1 Valve	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 34 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG10/20/30/40 BR501	Piping between LHSI Heat Exchanger and KT System Process Drain Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 BR401	Piping between LHSI Heat Exchanger and KT System Valves for Primary Effluent Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 BR602	Piping between LHSI Heat Exchanger and Nuclear Sampling System Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 BR406	Piping between LHSI Heat Exchanger Downstream Line and Isolation Valve for Primary Effluents	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 BR601	Piping between LHSI Heat Exchanger Downstream Line and KU System Valve for Active Liquid Samples	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 35 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG10/20/30/40 BR603	Piping between LHSI Heat Exchanger Vent and Drain Line and KU System Valve for the Sampling Line	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 BR004	Piping between LHSI Heat Exchangers and Containment Penetrations (30JMK10 BQ101, 30JMK20 BQ201, 30JMK30 BQ301, and 30JMK40 BQ401)	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG12/22/32/42 BR001	Piping between LHSI Hot Leg Injection Isolation Valve and LHSI Pump Discharge Line	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG12/22/32/42 BR002	Piping between LHSI Hot Leg Injection Isolation Valve and RHR Suction Line	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 BR306	Piping between LHSI Pump Discharge Line and Inlet to RHR Flowrate Sensor Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 36 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG10/20/30/40 BR405	Piping between LHSI Pump Discharge Line and KT System Valve for Process Drains	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 BR305	Piping between LHSI Pump Discharge Line and LHSI Pump Downstream Pressure Sensor Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG10/20/30/40 BR307	Piping between LHSI Pump Discharge Line and Outlet of RHR Flowrate Sensor Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNK10 BR018/028/038/048	Piping between LHSI Radial Miniflow Line Check Valve and Radial Miniflow IRWSTS Line	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG10/20/30/40 BR002	Piping between LHSI Suction Isolation Valve and Flange at Suction on LHSI Pump	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG40 BR007	Piping between LHSI Suction Line and SAHRS-IRWSTS 1 st Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 37 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG10/20/30/40 BR009	Piping between LHSI Tangential Miniflow Line and LHSI Radial Miniflow Line Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNK10/11 BR022/023	Piping between LHSI Tangential Miniflow Line Check Valve and Tangential Miniflow IRWSTS Line	S	B	I	Yes	UJA	ASME Class 2 ²
30JNK10/11 BR098 and BR099	Piping between MHSI Large and Small Miniflow Lines to the MHSI Miniflow Line Header going to IRWSTS	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG13/23/33/43 BR003	Piping between MHSI Small Miniflow Line and Accumulator Filling Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG15/25/35/45 BR005	Piping between Outlet of Dead Leg Pressure Control Bypass Isolation Valve and CVCS Letdown Function Header	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 38 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG15/25/35/45 BR003	Piping between RCS Suction Line Pressurization Valve Outlet and Dead Leg Pressure Bypass Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG15/25/35/45 BR008	Piping between RHR Suction Line and Dead Leg Pressure Control Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNG15/25/35/45 BR007	Piping between RHR Suction Line and Inlet of Dead Leg Pressure Control Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG15/25/35/45 BR002	Piping between RHR Suction Line and Inlet of RCS Suction Line Pressurization Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG10/20/30/40 BR301	Piping between Suction of LHSI Pump Line and LHSI Pump Upstream Pressure Indicator (Local) Root Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG15/25/35/45 AA002	RCS Suction Line Pressurization Valve	S	A	I	Yes	UJA	ASME Class 1 ¹

Table 3.2.2-1—Classification Summary
Sheet 39 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNG40 AA007	SAHRS-IRWSTS 1 st Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG40 AA008	SAHRS-IRWSTS 2 nd Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 ²
30JNG13/23/33/43 AA005	SIS 1 st RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30JNG13/23/33/43 BB001	SIS Accumulator	S	B	I	Yes	UJA	ASME Class 2 ²
JNK	In-Containment Refueling Water Storage Tank System						
JNK	All incoming Piping and Valves to the IRWST from the Safety Injection System	S	B	I	Yes	UJA, UJH	ASME Class 2 ²
JNK	Back-flushing for SIS strainers: Piping and Valves from FAL (ILCO) to the IRWST	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ ; Penetrates IRWST boundary RG 1.29 ²⁵
JNK	CVCS/FPPS Suction Line: Piping and Valves from IRWST to 30JNK10 AA013	S	B	I	Yes	UJA, UJH	ASME Class 2 ²
30JNK10 AT003	CVCS/FPPS Sump Strainer	NS-AQ	N/A	II	Yes	UJA	ANSI/AISC N690-1994(R2004)s2 ¹³ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 40 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JNK	FPPS supply: Piping and Valve from FAL (30FAL16 AA102) to the IRWST	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ ; Penetrates IRWST boundary RG 1.29 ²⁵
30JNK11 AA009	IRWST Isolation Valve for SAHRS	S	B	I	Yes	UJH	ASME Class 2 ²
30JNK10 AA009/013	IRWST Isolation Valves for CVCS and FPPS	S	B	I	Yes	UJH	ASME Class 2 ²
30JNK10 AA010/011 30JNK11 AA010/011	MHSI Miniflow Line Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JNK10/11 AT004/005	IRWST Retaining Baskets	S	N/A	I	Yes	UJA	ANSI/AISC N690-1994(R2004)s ² 13
30JNK00 BB001	IRWST Tank	S	N/A	I	Yes	UJA	[ACI 349/349R-01 ²⁶]*
30JNK10/20/30/40 AA001	IRWST Three-way Isolation Valves for SIS	S	B	I	Yes	UJH	ASME Class 2 ²
JNK	RCDT Overpressure Protection Line: Piping Downstream of RCDT to IRWST	S	C	I	Yes	UJA	ASME Class 3 ³
JNK	Reactor Building cavities Draining: Piping from FAL (30FAL16 AA003) to the IRWST	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ ; Penetrates IRWST boundary RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 41 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JNK	Reactor Building cavities overflow: Piping from FAL (30FAL10 AA411) to the IRWST	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ ; Penetrates IRWST boundary RG 1.29 ²⁵
JNK	SAHRS Suction Line: Piping and Valve from IRWST to 30JNK11 AA009	S	B	I	Yes	UJA, UJH	ASME Class 2 ²
30JNK11 AT003	SAHRS Sump Strainer	NS-AQ	N/A	II	Yes	UJA	ANSI/AISC N690-1994(R2004)s2 ¹³ RG 1.29 ²⁵
30JNK10/11 AA004-007	SIS Strainer Back-flush Isolation Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
JNK	SIS Suction Lines: Piping and Valve from IRWST to Valves 30JNK10/20/30/40 AA001	S	B	I	Yes	UJA, UJH	ASME Class 2 ²
30JNK10/11 AT001/002	SIS Sump Strainers	S	N/A	I	Yes	UJA	ANSI/AISC N690-1994(R2004)s2 ¹³
30JNK10/11 AT014/015	Trash Racks (IRWST Heavy Floor Opening)	S	N/A	I	Yes	UJA	ANSI/AISC N690-1994(R2004)s2 ¹³

Table 3.2.2-1—Classification Summary
Sheet 42 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JNK10/11 AT024/025	TSP Baskets	S	N/A	I	Yes	UJA	ANSI/AISC N690-1994(R2004)s2 ¹³
LAR, LAS	Emergency Feedwater System						
30LAR11/21/31/41 AA007	Containment Isolation Check Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30LAR14/24/34/44 AA001	Discharge Cross Connect Valves	S	C	I	Yes	UJH	ASME Class 3 ³
LAR	Discharge Header Piping and Valves	S	C	I	Yes	UJH	ASME Class 3 ³
30LAR04 AA001	DWDS Isolation Valve	S	C	I	Yes	4UJH	ASME Class 3 ³
30LAS11/21/31/41 AP001	EFW Pumps	S	C	I	Yes	UJH	ASME Class 3 ³
30LAR10/20/30/40 BB001	EFW Storage Pools	S	N/A	I	Yes	UJH	[ACI 349/349R-01 ²⁶]*
30LAR11/21/31/41 AA103	Flow Control Valves	S	C	I	Yes	UJH	ASME Class 3 ³
30LAR11/21/31/41 AA002	Min Flow Check Valves	S	C	I	Yes	UJH	ASME Class 3 ³
LAR	Piping between EFW discharge cross-connect header and Isolation Valve 30LAR55AA002	S	C	I	Yes	1UJH	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 43 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
LAR	Piping between Isolation Valve 30LAR55AA002 and Connection to Fire Water Distribution System	NS-AQ	D	II	Yes	1UJH/USG	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
30 LAR55AA001	Fire Water Distribution System Isolation Check Valve	S	C	I	Yes	1UJH	ASME Class 3 ³
30LAR55AA002	Fire Water Distribution System Isolation Valve	S	C	I	Yes	1UJH	ASME Class 3 ³
30LAR55AA005	Fire Water Distribution System Isolation Valve	NS-AQ	D	II	Yes	1UJH	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
LAR	Piping and Valves from EFW Pools to EFW Pumps	S	C	I	Yes	UJH	ASME Class 3 ³
LAR	Piping and Valves from EFW Pumps to Steam Generator Isolation Valves	S	C	I	Yes	UJH	ASME Class 3 ³
LAR	Piping and Valves from Steam Generator Isolation Valves to SGs	S	B	I	Yes	UJA, UJH	ASME Class 2 ²
30LAR11/21/31/41 AA006	Steam Generator Isolation Valves	S	B	I	Yes	UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 44 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LAR11/21/31/41 AA105	Steam Generator Level Control Valves	S	C	I	Yes	UJH	ASME Class 3 ³
LAR	Storage Pool Overflow and Drain Piping	NS	E	NSC	No	UJH	ANSI/ASME B31.1 ⁶
30LAR13/23/33/43 AA001	Supply Cross Connect Valves	S	C	I	Yes	UJH	ASME Class 3 ³
LAR	Supply Header Piping and Valves	S	C	I	Yes	UJH	ASME Class 3 ³
JDH	Extra Borating System						
JDH10/20/30/40	Discharge Piping Downstream of & including the RCS Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
JDH10/40	Discharge Piping, Valve, & Flow Meter Upstream of & including the Outside Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 ²
JDH10/20/30/40	Discharge Piping, Valves, & Flow Meters Downstream of the Outside Containment Isolation Valve up to the RCS Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 45 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JDH10 BR054	Hydrotest Line	NS	E	NSC	No	UFA	ANSI/ASME B31.1 ⁶
30JDH10 AA054	Hydrotest Line Isolation Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
JDH10	Hydrotest Line Piping & Valves Upstream of & including JDH10 AA053	S	B	I	Yes	UFA	ASME Class 2 ²
30JDH10 BR021	IRWST Suction Line	NS	D	NSC	No	UFA	ANSI/ASME B31.1 ⁶
30JDH10 AA021	IRWST Suction Line Isolation Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
JDH10/40 AP001	Pump	S	B	I	Yes	UFA	ASME Class 2 ²
JDH10/40	Safety Relief Line Piping & Valve	S	B	I	Yes	UFA	ASME Class 2 ²
JDH10/40	Suction Line Piping & Valves including the Interconnect	S	B	I	Yes	UFA	ASME Class 2 ²
JDH10	Suction Line Piping from the VCT & IRWST Downstream of and Including JDH10 AA052 and JDH10 AA022	S	B	I	Yes	UFA	ASME Class 2 ²
JDH10/40 BB001	Tank	S	B	I	Yes	UFA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 46 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JDH10/40	Tank Drain Line Piping & Valve	S	B	I	Yes	UFA	ASME Class 2 ²
JDH10/40	Tank Level Measurement Piping	S	B	I	Yes	UFA	ASME Class 2 ²
JDH10/40	Tank Refill Line Piping Downstream of & including the Check Valve	S	B	I	Yes	UFA	ASME Class 2 ²
JDH10/40	Tank Refill Line Piping Upstream of the JDH10/40 AA012	NS	D	NSC	No	UFA	ANSI/ASME B31.1 ⁶
JDH10/40	Test Line Piping, Valves, & Flow Restrictor	S	B	I	Yes	UFA	ASME Class 2 ²
30JDH10 BR051	VCT Suction Line	NS	E	NSC	No	UFA	ANSI/ASME B31.1 ⁶
30JDH10 AA051	VCT Suction Line Isolation Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
JMT	Combustible Gas Control System						
JMT20	Convection Foils	S	N/A	I	Yes	UJA	ASME AG-1 ¹⁴ , ASME Section VIII ⁸
JMT20	Hydrogen Mixing Damper	S	N/A	I	Yes	UJA	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 47 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JMT10	Passive Autocatalytic Recombiner	NS-AQ	N/A	II	Yes	UJA	ASME AG-1 ¹⁴ RG 1.29 ²⁵ RG 1.7 ²⁵
JMT20	Rupture Foils	S	N/A	I	Yes	UJA	ASME AG-1 ¹⁴ , ASME Section VIII ⁸
JMQ	Severe Accident Heat Removal System						
30JMQ40AA001 and 30JMQ41/42/43 AA001/002	Containment Isolation Valves (including penetrations and associated piping)	S	B	I	Yes	UJA/UJH	ASME Class 2 ²
30JMQ42 BR005/007	Passive Flooding line up to and including MOV (JMQ42 AA004/006)	S	B	I	Yes	UJA	ASME Class 2 ²
30JMQ41 BR004	Piping - Spray Header and Nozzles	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ , Located above safety-related piping and equipment RG 1.29 ²⁵
30JMQ40/41/42/43	Piping and associated valves in Safeguard Building (excluding piping from containment isolation valve to penetration)	NS-AQ	D	II	Yes	UJH	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 48 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JMQ41/43	Piping and associated valves inside Containment	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ ; Located in close proximity to safety-related piping and equipment RG 1.29 ²⁵
30JMQ42	Piping and associated valves inside Containment (except Passive Flooding Line)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ ; Located in close proximity to safety-related piping and equipment RG 1.29 ²⁵
30JMQ40 AC001	SAHRS Heat Exchanger (Shell 1)	NS-AQ	D	II	Yes	UJH	ASCE 43-05, ASME VIII ⁸ , RG 1.29 ²⁵
30JMQ40 AC004	SAHRS Heat Exchanger (Shell 2)	NS-AQ	D	II	Yes	UJH	ASCE 43-05, ASME VIII ⁸ , RG 1.29 ²⁵
30JMQ40 AP001	SAHRS Pump	NS-AQ	D	II	Yes	UJH	ASCE 43-05, Manufacturer Standards, RG 1.29 ²⁵
JMB	Core Melt Stabilization System						
JMB40 AC	Cooling Structure	NS	N/A	NSC	No	UJA	
JMB20 AB001	Gate	NS	N/A	NSC	No	UJA	

Table 3.2.2-1—Classification Summary
 Sheet 49 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JMB30	Melt Discharge Channel	NS-AQ	N/A	II	Yes	UJA	Helps support the structural integrity of reactor pit RG 1.29 ²⁵
JMB30 BU001	Melt Discharge Channel - Refractory Layer	NS	N/A	NSC	No	UJA	
JMB20	Melt Plug – Sacrificial Concrete	NS	N/A	NSC	No	UJA	
JMB10	Reactor Cavity – Sacrificial Concrete	NS	N/A	NSC	No	UJA	
JMB10 BU001	Refractory Layer: Reactor Cavity, Melt Discharge Channel	NS	N/A	NSC	No	UJA	
JMB40	Spreading Area – Sacrificial Concrete	NS	N/A	NSC	No	UJA	
NUCLEAR FUEL SYSTEM							
N/A	Nuclear Fuel	S	N/A	I	Yes	UJA, UFA	
NSSS SUPPORT SYSTEMS							
FAK, FAL	Fuel Pool Cooling & Purification System						
FAL	Balance of FAL Piping	NS	D	NSC	No	UFA	ANSI/ASME B31.1 ⁶
FAL	Containment Isolation Pressure Boundary Piping	S	B	I	Yes	UJA, UFA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 50 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30FAK10/20 AA001	FPC Control Valves	S	C	I	Yes	UFA	ASME Class 3 ³
30FAK10/20 AC001	FPC Heat Exchangers	S	C	I	Yes	UFA	ASME Class 3 ³
30FAK11/12/21/22 AP001	FPC Pumps	S	C	I	Yes	UFA	ASME Class 3 ³
30FAK10/20 AA601	FPC Sampling Isolation Valves	S	C	I	Yes	UFA	ASME Class 3 ³
30FAL23 AT002	FPP Ion Exchanger	NS	D	NSC	No	UKA	ASME VIII ⁸
30FAL23 AT003	FPP Post Filter	NS	D	NSC	No	UKA	ASME VIII ⁸
30FAL23 AT001	FPP Pre-Filter	NS	D	NSC	No	UKA	ASME VIII ⁸
30FAL29 AT001	FPP Resin Sieve	NS	D	NSC	No	UKA	ASME VIII ⁸
30FAL22 AP001	Fuel Building Purification Pump	NS	D	NSC	No	UFA	Manufacturer Standards
30FAL21 AT001	Fuel Building Skimmer Filter	NS	D	NSC	No	UKA	ASME VIII ⁸
30FAL21 AP001	Fuel Building Skimming Pump	NS	D	NSC	No	UFA	Manufacturer Standards
30FAL10 AA003	ILCO Outlet Isolation Valve	S	C	I	Yes	UJA	ASME Class 3 ³
FAK	Piping and Valves between Spent Fuel Pool and FPC Pumps	S	C	I	Yes	UFA	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 51 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
FAL	Piping and Valves from bottom of Fuel Building Pool Compartments to Valves 30FAL20 AA004 and 30FAL30 AA001	S	C	I	Yes	UFA	ASME Class 3 ³
FAL	Piping and Valves from bottom of Reactor Building Pool Compartments to Valves 30FAL12 AA001 and 30FAL16 AA003	S	C	I	Yes	UJA	ASME Class 3 ³
30FAL12 AA001	Reactor Building Purification Containment Isolation Valve (Inner)	S	B	I	Yes	UJA	ASME Class 2 ²
30FAL12/15 AA002	Reactor Building Purification Containment Isolation Valves (Outer)	S	B	I	Yes	UFA	ASME Class 2 ²
30FAL12 AP001	Reactor Building Purification Pump	NS	D	NSC	No	UFA	Manufacturer Standards
30FAL11 AP001	Reactor Building Skimming Pump	NS	D	NSC	No	UJA	Manufacturer Standards
30FAL02 AP001	Spent Fuel Pool Makeup Pump	S	C	I	Yes	UFA	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 52 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
FAL	Spent Fuel Pool Makeup Pump Piping	S	C	I	Yes	UFA	ASME Class 3 ³
30FAK31CL003, CL004, CL005, CL006	Spent Fuel Pool Wide Range Level Sensors	S	N/A	I	Yes	UFA	IEEE 323 IEEE 344
KBA, KBD	Chemical & Volume Control System						
30KBA20 AA104	3-Way Control Valve to KBB	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA20 AA001	3-Way Valve to KBE	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA20 AA002	3-Way Valve to KBG	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA35 AA101	3-Way Valve to Pressurizer Spray	S	C	I	Yes	UJA	ASME Class 3 ³
KBD	All System Piping to Check Valve KBD11 AA016	NS	E	NSC	No	UFA	ANSI/ASME B31.1 ⁶
30KBA14 AA107	Back-Pressure Control Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA34 AA101	Charging Header Flow Control Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 53 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBA34 AA003	Charging Line Containment Isolation Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30KBA34 AA002	Charging Line Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 ²
30KBA34 AA012	Charging Line Isolation Valve	S	C	I	Yes	UJA	ASME Class 3 ³
30KBA34 AA191	Charging Line Relief Valve	S	C	I	Yes	UJA	ASME Class 3 ³
KBA	Charging Piping from Check Valve KBA34 AA003 to Charging Line Loop Check Valves KBA34 AA018 & KBA34 AA019 and Pressurizer Auxiliary Spray Check Valve KBA35 AA002	S	C	I	Yes	UJA	ASME Class 3 ³
KBA	Charging Piping from Containment Isolation Valve KBA34 AA002 to Check Valve KBA34 AA003	S	B	I	Yes	UJA, UFA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 54 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
KBA	Charging Piping from Loop Check Valves KBA34 AA018 & KBA34 AA019 and Pressurizer Auxiliary Spray Check Valve KBA35 AA002 to RCS and Pressurizer	S	A	I	Yes	UJA	ASME Class 1 ¹
30KBA31/32 AA005	Charging Pump Minimum Flow Valves	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
KBA	Charging Pump Suction and Discharge Piping from KBA21 AA009 to Containment Isolation KBA34 AA002	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA31/32 AA191	Charging Pump Suction Relief Valves	NS-AQ	D	NSC	Yes	UFA	ASME VIII ⁸ RG 1.29 ²⁵
30KBA31/32 AP001	Charging Pumps	NS-AQ	D	NSC	Yes	UFA	Manufacturer Standards RG 1.29 ²⁵
30KBA31AC101	Charging pump motor cooler	S	C	I	Yes	UFA	ASME Class 3
30KBA31AC102	Charging pump seal cooler	S	C	I	Yes	UFA	ASME Class 3

Table 3.2.2-1—Classification Summary
Sheet 55 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBA31AC103	Charging pump oil cooler	S	C	I	Yes	UFA	ASME Class 3
30KBA32AC101	Charging pump motor cooler	S	C	I	Yes	UFA	ASME Class 3
30KBA32AC102	Charging pump seal cooler	S	C	I	Yes	UFA	ASME Class 3
30KBA32AC103	Charging pump oil cooler	S	C	I	Yes	UFA	ASME Class 3
30KBD11 AP001-003	Chemical Proportioning Pumps	NS	E	NSC	No	UFA	Manufacturer Standards
30KBA14 AA002/003	Containment Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30KBA25 BT001	Gas Separator	NS-AQ	D	NSC	Yes	UFA	ASME VIII ⁸ RG 1.29 ²⁵
30KBA11/12 AA001	HP Cooler Inlet Valves	S	C	I	Yes	UJA	ASME Class 3 ³
30KBA11/12 AA003	HP Cooler Outlet Valves	S	C	I	Yes	UJA	ASME Class 3 ³
30KBA11/12 AC001	HP Coolers	S	C	I	Yes	UJA	ASME Class 3 ³
30KBA11/12 AA102	HP Reducing Stations	S	C	I	Yes	UJA	ASME Class 3 ³
30KBA25 AA101	Hydrogen Control Valve to Hydrogenation Station	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 56 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBA25 AA006	Hydrogen Gas Isolation Valve to Hydrogenation Station	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA31 AA013	Isolation Valve from IRWST	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA20 AA601	Isolation Valve to KUA	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA14 AA009/011	Isolation Valves to KTA	S	C	I	Yes	UJA	ASME Class 3 ³
30KBA14 AA191	Letdown Line Relief Valve	S	C	I	Yes	UJA	ASME Class 3 ³
30KBA14 AA192	Letdown Line Relief Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA20 AA191	Letdown Line Relief Valve	NS-AQ	D	NSC	Yes	UKA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA25 AA191	Letdown Line Relief Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
KBA	Letdown Piping from Inside Containment Isolation Valve to Downstream of Outside Containment Isolation Valve KBA14 AA003	S	B	I	Yes	UJA, UFA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 57 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
KBA	Letdown Piping from RCS to Downstream of Valve KBA10 AA002	S	A	I	Yes	UJA	ASME Class 1 ¹
KBA	Letdown Piping from Valve KBA10 AA002 to Inside Containment Isolation Valve KBA14 AA002	S	C	I	Yes	UJA	ASME Class 3 ³
KBA	Letdown Piping from Valve KBA14 AA004 and Outside Containment Isolation Valve KBA14 AA003 to Valves KBA21 AA001 KBA21 AA009 and KBA25 AA017	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBD11 BB001	Lithium Hydroxide Injection Tank	NS	E	NSC	No	UFA	API 650 ¹¹
30KBD11 BB002	Lithium Hydroxide Preparation Tank	NS	E	NSC	No	UFA	API 650 ¹¹
KBA	Low Pressure Letdown Piping in Fuel building from JNX to Downstream of Valve KBA14 AA004	S	C	I	Yes	UFA	ASME Class 3 ³
30KBA14 AA106	LP Reducing Station	S	B	I	Yes	UFA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 58 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBA14 AA004	LP Reducing Station Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 ²
30KBA31/32 BZ001	Mixing Elements	NS-AQ	D	NSC	Yes	UFA	ASME VIII ⁸ RG 1.29 ²⁵
30KBA25 BZ001	Mixing Pipe	NS-AQ	D	NSC	Yes	UFA	ASME VIII ⁸ RG 1.29 ²⁵
30KBA20 AA021	Nitrogen Supply Valve to VCT	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
KBD	Piping from Check Valve KBD11 AA016 to Charging Pump Suction Piping	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA35 AA002	Pressurizer Spray Check Valve	S	A	I	Yes	UJA	ASME Class 1 ¹
30KBA35 AA001	Pressurizer Spray Isolation Valve	S	C	I	Yes	UJA	ASME Class 3 ³
30KBA25 AA017	Prevent Dilution Valve	S	C	I	Yes	UFA	ASME Class 3 ³
30KBA21 AA001/009	Prevent Dilution Valves	S	C	I	Yes	UFA	ASME Class 3 ³
30KBA34 AA018-021	RC Pressure Boundary Check Valves	S	A	I	Yes	UJA	ASME Class 1 ¹
30KBA10 AA001/002	RC Pressure Boundary Valves	S	A	I	Yes	UJA	ASME Class 1 ¹

Table 3.2.2-1—Classification Summary
 Sheet 59 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JEW01 AT001/002	RCP Seal Injection Filters	NS	D	NSC	No	UKA	ASME VIII ⁸
30JEW01 AA101	RCP Seal Injection Flow Control Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30JEW11/21/31/41 AA111	RCP Seal Injection Flow Control Valves	S	C	I	Yes	UJA	ASME Class 3 ³
JEW	RCP Seal Injection from Check Valve JEW01 AA006 to RCPs	S	C	I	Yes	UJA	ASME Class 3 ³
JEW	RCP Seal Injection Piping from Charging Line to Outside Containment Isolation Valve JEW01 AA005	NS-AQ	D	NSC	Yes	UFA, UKA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
JEW	RCP Seal Injection Piping from Containment Isolation Valve to Inside Containment Check Valve JEW01 AA006	S	B	I	Yes	UJA, UFA	ASME Class 2 ²
30JEW50 AA001	RCP Seal Leak-off Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 60 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JEW50 AA002	RCP Seal Leak-off Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 ²
30JEW50 AT001	RCP Seal Leak-off Filter	NS	D	NSC	No	UKA	ASME VIII ⁸
JEW	RCP Seal Leakoff Piping from Inside Containment Isolation Valve JEW50 AA001 to Outside Containment Isolation Valve JEW50 AA002	S	B	I	Yes	UJA, UFA	ASME Class 2 ²
JEW	RCP Seal Leakoff Piping from Outside Containment Isolation Valve to Charging Piping	NS-AQ	D	NSC	Yes	UFA, UKA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
JEW	RCP Seal Leakoff Piping from RCPs to Inside Containment Isolation Valve JEW50 AA001	S	C	I	Yes	UJA	ASME Class 3 ³
30JEW50 AA104	RCP Seal Leak-off Pressure Regulating Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30JEW50 AA191	RCP Seal Leak-off Relief Valve	S	C	I	Yes	UJA	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 61 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JEW50 AA021	RCP Seal Leak-off to KTA	S	C	I	Yes	UJA	ASME Class 3 ³
30KBA10 AC001	Regenerative Heat Exchanger	S	C	I	Yes	UJA	ASME Class 3 ³
30KBA34 AA007	Regenerative Heater 3-Way Bypass Valve	S	C	I	Yes	UJA	ASME Class 3 ³
30JEW01 AA006	Seal Injection Containment Isolation Check Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30JEW01 AA005	Seal Injection Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 ²
30KBA25 BB001	Stand Pipe	NS-AQ	D	NSC	Yes	UFA	ASME VIII ⁸ RG 1.29 ²⁵
30KBA20 BB001	Volume Control Tank	NS-AQ	D	NSC	Yes	UFA	ASME VIII ⁸ RG 1.29 ²⁵
30KBA21 AA191	Volume Control Tank Relief Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KBA25 BN001	Water Jet Pump	NS-AQ	D	NSC	Yes	UFA	Manufacturer Standards RG 1.29 ²⁵
30KBA25 AA007	Water Jet Pump Inlet Isolation Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 62 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
FAA, FAB, FAE, FAF, FB, FC	Fuel Handling System						
SMF01	Auxiliary Crane	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992, ASME NOG-1 RG 1.29 ²⁵
FCD30	Centralized Control Unit (Fuel Building)	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Must maintain structural integrity during earthquake RG 1.29 ²⁵
FCB30	Centralized Control Unit (Reactor Building)	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Must maintain structural integrity during earthquake RG 1.29 ²⁵
FCJ04	Conveyor Car and Drive	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCJ06	Emergency Manual Drive System for Conveyor Car	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 63 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
FCD07	FAs Guide System	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCJ01	Fuel Transfer Tube Facility (Except FCJ05)	NS-AQ	N/A	II	Yes	UJA, UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment and must maintain structural integrity RG 1.29 ²⁵
FAA01	New Fuel Storage Racks	S	N/A	I	Yes	UFA	ANS 57.3-1983
FCD10	NFE (Entire Assembly)	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCB01	RM (Entire Assembly)	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 64 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
FCB02	RM Bridge	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCB05	RM FAIs Hoist	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCB04	RM FAs Hoist	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCB08	RM ISH	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCB07	RM Mast & Gripper (FAIs)	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 65 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
FCB06	RM Mast & Gripper (FAs)	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCB03	RM Trolley	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCD01	SFM (Entire Assembly)	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCD02	SFM Bridge	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCD04	SFM Hoist	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 66 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
FCD05	SFM Mast & Gripper	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCD06	SFM Tower & Rotation Device	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCD03	SFM Trolley	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCJ05	Fuel Transfer Tube - Tube and Blind Flange	S	N/A	I	Yes	UJA, UFA	ASME Class MC ²³
FCJ05	Fuel Transfer Tube - FB Gate Valve and Expansion Joints	S	C	I	Yes	UJA, UJB, UFA	ASME Class 3 ³
FAB02	Underwater Fuel Racks	S	N/A	I	Yes	UFA	ANS 57.2-1983
30FAB11 KB001	Transfer Pit Slot Gate	S	N/A	I	Yes	UFA	Manufacturer's standard
30FAB11 KB002	Transfer Pit Swivel Gate	S	N/A	I	Yes	UFA	Manufacturer's standard

Table 3.2.2-1—Classification Summary
Sheet 67 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30FAB12 KB001	Loading Pit Slot Gate	S	N/A	I	Yes	UFA	Manufacturer's standard
30FAB12 KB002	Loading Pit Swivel Gate	S	N/A	I	Yes	UFA	Manufacturer's standard
FCJ08	Up-Ender and Track (Fuel Building)	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCJ07	Up-Ender and Track (Reactor Building)	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCJ03	Up-Ender Hoist (Fuel Building)	NS-AQ	N/A	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵
FCJ02	Up-Ender Hoist (Reactor Building)	NS-AQ	N/A	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 68 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
FCJ12	Spent Fuel Cask Transfer Facility Penetration Assembly (excluding the Upper Cover Hoist)	S	N/A	I	Yes	UFA	ANS 57.2-1983
	Penetration Upper Cover Hoist	NS-AQ	N/A	II	Yes	UFA	ANS 57.2-1983; ASME NOG-1-2004 RG 1.29 ²⁵
FCJ10	Spent Fuel Cask Transfer Machine	S	N/A	I	Yes	UFA	ANS 57.2-1983
FCJ11	Biological Lid Handling Station	NS-AQ	N/A	II	Yes	UFA	ANS 57.2-1983 RG 1.29 ²⁵
FCJ15/16	Piping and valves connected to the loading pit fluid boundary up to and including first normally closed valve, second automatically closed valve, or second remotely operated valve.	S	C	I	Yes	UFA	ASME Section III Class 3
KBB	Coolant Supply & Storage System						
30KBB11/12/13/14/15/16 BB001	Storage Tanks	NS	D	NSC	No	UKA	ASME VIII ⁸

Table 3.2.2-1—Classification Summary
 Sheet 69 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBB11/12/13/14/15/16 AA003	Storage Tanks GWPS Inlet Isolation Valves	NS-AQ	D	RS	No	UKA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , RG 1.143 ²⁵ , RW-IIa
30KBB11/12/13/14/15/16 AA004	Storage Tanks GWPS Outlet Isolation Valves	NS-AQ	D	RS	No	UKA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , RG 1.143 ²⁵ , RW-IIa
KBB	All KBB System Piping	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
KBC	Reactor Boron & Water Makeup System						
KBC	Boric Acid Mixing Tank, Feed Pump and their Connected Pipe and Valves	NS	E	NSC	No	UFA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , ASME VIII ⁸ , Manufacturer Standards
KBC	Boric Acid Storage Pumps and their Connected Pipe and Valves	NS	D	NSC	No	UFA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , Manufacturer Standards
KBC	Boric Acid Storage Tanks and their Connected Pipe and Valves except 30KBC21/22 AA191	NS	D	NSC	No	UFA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷

Table 3.2.2-1—Classification Summary
Sheet 70 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBC21/22 AA003	Boric Acid Storage Tanks to GWPS Isolation Valves	NS-AQ	D	RS	No	UFA	ANSI/ASME B31.3 ⁹ , ANSI/ASME B16.34 ⁷ , RG 1.143 ²⁵ , RW-IIa RG 1.29 ²⁵
KBC	Demineralized Water Pumps and their Connected Pipe and Valves	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , Manufacturer Standards
KBF	Coolant Treatment System						
30KBF25 AC001	After Cooler	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF20 AT001	Boric Acid Column (Evaporator)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF22 AP001	Boric Acid Delivery Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KBF20 AP003/004	Boric Acid Delivery Pumps	NS	D	NSC	No	UKA	Manufacturer Standards
30KBF21 AP001	Boric Acid Metering Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KBF20 AP001/002	Circulating Pumps	NS	D	NSC	No	UKA	Manufacturer Standards
30KBF20 AA103/104	Concentration Control Valves (Boric Acid)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶

Table 3.2.2-1—Classification Summary
Sheet 71 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBF20 BB002	Condensate Collector	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF20 AC006	Condensate Cooler	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF23/24 AP001	Condensate Pumps	NS	D	NSC	No	UKA	Manufacturer Standards
30KBF20 BB001	Condensate Tank	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF20 AC003	Condenser	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF31/32/33 AA101	Control Valves (Bypass Vapor Compressors)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KBF20 AA107/108	Control Valves (Excess Vapor)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KBF40 AP002	Degasifier Circulation Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KBF40 AT001	Degasifier Column	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF40 AP001	Degasifier Extraction Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KBF40 AC005	Degasifier Heater	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸

Table 3.2.2-1—Classification Summary
Sheet 72 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBF20 AC007	Electrical Pre-heater (Circulation)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF20 AC002	Evaporator	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF11/12 AP001	Evaporator Feed Pumps	NS	D	NSC	No	UKA	Manufacturer Standards
30KBF20 AC004	Gas Cooler (Condensate)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF40 AC004	Gas Cooler (Degasifier)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF40 AA101	Level Control Valve (Degasifier Column)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KBF20 AA101/102	Level Control Valves (Boric Acid/Evaporator Column)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KBF20 AA105/106	Level Control Valves (Condensate Collector)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KBF23/24 AA101	Level Control Valves (Condensate Tank)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KBF40 AC001	Makeup Water Preheater	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸

**Table 3.2.2-1—Classification Summary
Sheet 73 of 197**

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBF20 AC005	Recuperative Boric Acid Cooler	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF20 AC001	Recuperative Preheater	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF40 AC003	Reflux Condenser	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF40 AA192	Safety Valve (Downstream of Makeup Water Preheater)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF11/12/20/40 AA191	Safety Valves	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF20 AA192/194	Safety Valves	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF35 AC001	Seal Water Cooler	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF35 AP001/002	Seal Water Pumps	NS	D	NSC	No	UKA	Manufacturer Standards
30KBF35 AT001	Seal Water Strainer	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸

Table 3.2.2-1—Classification Summary
Sheet 74 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBF35 BB001	Seal Water Tank	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KBF31/32/33 AN001	Vapor Compressors	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
KBF	All KBF System Piping	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
KBG	Coolant Degasification System						
30KBG20 AH501	Anti-Condensation Heater for Extraction Pump Motor	NS	N/A	NSC	No	UKA	
30KBG10 AP001	Degasification Circulation Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KBG10 AT001	Degasifier Column	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBG10 AC001	Degasifier Column Electric Heater	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBG20 AP001	Degasifier Extraction Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KBG10 AC002	Degasifier Gas Condenser	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBG10 AC003	Degasifier Gas Cooler	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBG30 AN001	Degasifier Vacuum Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KBG10 BB301	Reference Vessel CL001	NS	D	NSC	No	UKA	ASME VIII ⁸

Table 3.2.2-1—Classification Summary
Sheet 75 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBG10 BB302	Reference Vessel CL002	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBG30 AC001	Sealing Liquid Cooler	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBG30 AT001	Sealing Liquid Strainer	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBG30 BB001	Sealing Liquid Tank	NS	D	NSC	No	UKA	ASME VIII ⁸
KBG	All KBG System Piping	NS	D	NSC	No	UKA	ANSI/ASME B31.1
KBE	Coolant Purification System						
30KBE10 AT001	Coolant Filter	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBE10 AT003	Coolant Filter	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBE10 AT005	Coolant Filter	NS	D	NSC	No	UKA	ASME VIII ⁸
KBE	KBE System Piping in UFA	NS	D	NSC	No	UFA	ANSI/ASME B31.1 ⁶
KBE	KBE System Piping in UKA and UKS	NS	D	NSC	No	UKA, UKS	ANSI/ASME B31.1 ⁶
30KBE11/12/20 AT001	Mixed Bed Ion Exchangers	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBE17 BB001	Overflow Tank	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBE40 AP001	Resin Flush Pump	NS	D	NSC	No	UKS	Manufacturer Standards
30KBE40 AT002	Resin Sieve	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBE11/12/20 AT002	Resin Sieves	NS	D	NSC	No	UKA	ASME VIII ⁸

Table 3.2.2-1—Classification Summary
Sheet 76 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KBE31/32 AT001	Resin Sieves	NS	D	NSC	No	UKS	ASME VIII ⁸
30KBE10 AT002	Resin Trap	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBE10 AT004	Resin Trap	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBE20 AT003	Resin Trap	NS	D	NSC	No	UKA	ASME VIII ⁸
30KBE31/32 BB001	Resin Waste Tanks	NS	D	NSC	No	UKS	ASME VIII ⁸
30KBE40 AT001	Sieve	NS	D	NSC	No	UKS	ASME VIII ⁸
ELECTRICAL SYSTEMS							
BGA, BGT, BLB, BLT, BRA, BRD, BRU01, BRW, BTD, BTP, BUC, BUF, BUW	Class 1E Uninterruptible Power Supply System						
31/32/33/34BTD01	250 Vdc Class 1E Batteries	S	N/A	I	Yes	UJK	
31/32/33/34BTP01/02	250 Vdc Class 1E Battery Chargers	S	N/A	I	Yes	UJK	
31/32/33/34BUC 31/32/33/34BUF	Class 1E 250 Vdc Switchboards	S	N/A	I	Yes	UJK	
BUW	Class 1E 250 Vdc to 24 Vdc Converters	S	N/A	I	Yes	UJK, UBP	
31/32/33/34BRA 31/32/33/34BRD	Class 1E 480 V Motor Control Centers	S	N/A	I	Yes	UJK	

Table 3.2.2-1—Classification Summary
Sheet 77 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
BRW	Class 1E 480 Vac to 24 Vdc Converters	S	N/A	I	Yes	UJK, UBP	
31/32/33/34BRU01	Class 1E UPS Inverters	S	N/A	I	Yes	UJK	
31/32/33/34BGA01 31/32/33/34BGA02	Class 1E Panelboards	S	N/A	I	Yes	UJK	
31/32/33/34BGT01 31/32/33/34BGT02	Class 1E 480 V to 208/120 V transformers	S	N/A	I	Yes	UJK	
31/32/33/34BLT01 31/32/33/34BLT02	Non-Class 1E 480 V to 208/120 V Transformers	NS-AQ	N/A	II	Yes	UJK	ASCE 43-05 RG 1.29 ²⁵
31/32/33/34BLB01 31/32/33/34BLB02	Non-Class 1E Panelboards	NS-AQ	N/A	II	Yes	UJK	ASCE 43-05 RG 1.29 ²⁵
BD, BM, BN, BF	Emergency Power Supply System						
31/32/33/34BMB	Class 1E 480 V Load Centers	S	N/A	I	Yes	UJK	
31/32/33/34BMD	Class 1E 480 V Load Centers	S	N/A	I	Yes	UQB	
31/34BMC	Class 1E 480 V Load Centers	S	N/A	I	Yes	1UJK, 4UJK	
31/32/33/34BNA01	Class 1E 480 V Motor Control Centers	S	N/A	I	Yes	UBP	
32/33BNA02	Class 1E 480 V Motor Control Centers	S	N/A	I	Yes	UJK	

**Table 3.2.2-1—Classification Summary
Sheet 78 of 197**

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
31/32/33/34BNB01/02	Class 1E 480 V Motor Control Centers	S	N/A	I	Yes	UJK	
31/32/33/34BNB03	Class 1E 480 V Motor Control Centers	S	N/A	I	Yes	UJK	
31/32/33/34BND01	Class 1E 480 V Motor Control Centers	S	N/A	I	Yes	UQB	
31/34BNC01	Class 1E 480 V Motor Control Centers	S	N/A	I	Yes	1UJK, 4UJK	
31/32/33/34BNT01	Class 1E 480 V Voltage Regulating Transformers	S	N/A	I	Yes	UJK	
31/32/33/34BDA	Class 1E 6.9 kV Switchgear	S	N/A	I	Yes	UJK	
31/32/33/34BDB	Class 1E 6.9 kV Switchgear	S	N/A	I	Yes	UJK	
31/32/33/34BDD	Class 1E 6.9 kV Switchgear	S	N/A	I	Yes	UQB	
31/34BDC	Class 1E 6.9 kV Switchgear	S	N/A	I	Yes	1UJK, 4UJK	
31/32/33/34BMT04	Class 1E 6.9 kV to 480 V Transformers	S	N/A	I	Yes	UQB	
31/32/33/34BMT01	Class 1E 6.9 kV to 480 V transformers	S	N/A	I	Yes	UBP	

**Table 3.2.2-1—Classification Summary
Sheet 79 of 197**

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
31/32/33/34BMT02	Class 1E 6.9 kV to 480 V transformers	S	N/A	I	Yes	UJK	
31/32/33/34BMT03	Class 1E 6.9 kV to 480 V transformers	S	N/A	I	Yes	UJK	
BRB, BRC, BRU03, BRV, BRX, BTB, BTM, BUD, BUE, BUV, BUX	12 Hour Uninterruptible Power Supply System						
31/32/33/34BUX	250 Vdc - 24 Vdc Converters (NI)	NS-AQ	N/A	NSC	No	UJK	RG 1.155 ²⁵
31/32BUV	250 Vdc - 24 Vdc Converters (TI)	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵
31/32/33/34BUE	250 Vdc Switchboards (NI)	NS-AQ	N/A	NSC	No	UJK	RG 1.155 ²⁵
31/32BUD	250 Vdc Switchboards (TI)	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵
31/32/33/34BRX	480 Vac - 24 Vdc Converters (NI)	NS-AQ	N/A	NSC	No	UJK	RG 1.155 ²⁵
31/32BRV	480 Vac - 24 Vdc Converters (TI)	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵
31/32/33/34BRB	480 Vac Motor Control Centers (NI)	NS-AQ	N/A	NSC	No	UJK	RG 1.155 ²⁵
31/32BRC	480 Vac Motor Control Centers (TI)	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 80 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
31/32BTB01	Batteries	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵
30/31/32BTM01	Battery Chargers	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵
31/32BRU03	Inverter with Static Bypass Switches	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵
BG, BJ, BL, BZL	Lighting & Small Power System						
BG, BJ, BL, BZL	Emergency Lighting	NS-AQ	N/A	II	Yes	All	RG 1.29 ²⁵
BG, BJ, BL, BZL	Special Emergency Lighting	NS-AQ	N/A	II	Yes	All	ASCE 43-05 RG 1.29 ²⁵
BG, BJ, BL, BZL	Normal Lighting	NS	N/A	NSC	No	All	
BG, BJ, BL, BZL	Escape Route Lighting	NS-AQ	N/A	II	Yes	All	NFPA 101, ASCE 43-05, RG 1.29 ²⁵ , RG 1.189 ²⁵
BG, BJ, BL, BZL	Security Lighting	NS	N/A	NSC	No	All	
BRJ, BRU02, BRZ, BTA, BTL, BUB, BUM, BUZ	Non-Class 1E Uninterruptible Power Supply System						
32/33BUB	250 Vdc CRDM Switchboards	S	N/A	I	Yes	2UJK, 3UJK	
31/32BTA01	250 Vdc Non-Class 1E Batteries	NS	N/A	NSC	No	UBA	
30/31/32BTL01	250 Vdc Non-Class 1E Battery Chargers	NS	N/A	NSC	No	UBA	

Table 3.2.2-1—Classification Summary
Sheet 81 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
31/32BUM	Non-Class 1E 250 Vdc Switchboards	NS	N/A	NSC	No	UBA	
31/32BUZ	Non-Class 1E 250 Vdc to 24 Vdc Converters	NS	N/A	NSC	No	UBA	
31/32BRJ	Non-Class 1E 480 V Motor Control Centers	NS	N/A	NSC	No	UBA	
31/32BRZ	Non-Class 1E 480 Vac to 24 Vdc Converters	NS	N/A	NSC	No	UBA	
31/32BRU02	Non-Class 1E UPS Inverters	NS	N/A	NSC	No	UBA	
BB, BF, BH	Normal Power Supply System						
31/32/33/34BBC	Non-Class 1E 13.8 kV Switchgear	NS	N/A	NSC	No	UJK	
31/32/33/34BDE	Class 1E 13.8 kV Switchgear	S	N/A	I	Yes	UJK	
31BFT05	Non-Class 1E 13.8 kV - 480 V Transformer	NS	N/A	NSC	No	Site Specific	
31/32/33/34BFT01	Non-Class 1E 13.8 kV - 480 V Transformers	NS	N/A	NSC	No	UBA	
31/32/33/34BFT04	Non-Class 1E 13.8 kV - 480 V Transformers	NS	N/A	NSC	No	UJK	
31/32BFT02/03	Non-Class 1E 13.8 kV - 480 V Transformers	NS	N/A	NSC	No	UBA	

Table 3.2.2-1—Classification Summary
Sheet 82 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
32/34BFT05	Non-Class 1E 13.8 kV - 480 V Transformers	NS	N/A	NSC	No	UKS	
33BBT01	Non-Class 1E 13.8 kV - 6.9 kV Transformer	NS	N/A	NSC	No	UBA	
34BBT01	Non-Class 1E 13.8 kV - 6.9 kV Transformer	NS	N/A	NSC	No	UBA	
31/32/33/34BBT08	Non-Class 1E 13.8 kV - 6.9 kV Transformers	NS	N/A	NSC	No	UBA	
31/32/33/34/BBA	Non-Class 1E 13.8 kV Switchgear	NS	N/A	NSC	No	UBA	
31/32/33/34BBD	Non-Class 1E 13.8 kV Switchgear	NS	N/A	NSC	No	UQA	
31BFE	Non-Class 1E 480 V Load Center	NS	N/A	NSC	No	Site Specific	
32BFE	Non-Class 1E 480 V Load Center	NS	N/A	NSC	No	UKS	
34BFE	Non-Class 1E 480 V Load Center	NS	N/A	NSC	No	UKS	
31/32/33/34BFA	Non-Class 1E 480 V Load Centers	NS	N/A	NSC	No	UBA	
31/32/33/34BFD	Non-Class 1E 480 V Load Centers	NS	N/A	NSC	No	UJK	
31/32BFB	Non-Class 1E 480 V Load Centers	NS	N/A	NSC	No	UBA	

Table 3.2.2-1—Classification Summary
Sheet 83 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
31/32BFC	Non-Class 1E 480 V Load Centers	NS	N/A	NSC	No	UBA	
31/32BFX	Non-Class 1E 480 V Load Centers	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵
[[31/32/33/34BFF/BFG	Non-Class 1E 480 V Load Centers	NS	N/A	NSC	No	UQA]]	
31BHE01	Non-Class 1E 480 V Motor Control Center	NS	N/A	NSC	No	Site Specific	
32BHE01	Non-Class 1E 480 V Motor Control Center	NS	N/A	NSC	No	UKS	
34BHE01	Non-Class 1E 480 V Motor Control Center	NS	N/A	NSC	No	UKS	
31/32/33/34BHA01	Non-Class 1E 480 V Motor Control Centers	NS	N/A	NSC	No	UBA	
31/32/33/34BHD01/02	Non-Class 1E 480 V Motor Control Centers	NS	N/A	NSC	No	UJK	
31/32BHB01/02	Non-Class 1E 480 V Motor Control Centers	NS	N/A	NSC	No	UBA	
31/32BHC01	Non-Class 1E 480 V Motor Control Centers	NS	N/A	NSC	No	UBA	
31/32BHX01	Non-Class 1E 480 V Motor Control Centers	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵
31/32BFT08	Non-Class 1E 6.9 kV - 480 V Transformers	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 84 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
31/32BBH	Non-Class 1E 6.9 kV Switchgear	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵
31/32BHZ01	Non-Class 1E 480 V Motor Control Centers	NS-AQ	N/A	NSC	No	UBA	RG 1.155 ²⁵
33/34BBH	Non-Class 1E 6.9 kV Switchgear	NS	N/A	NSC	No	UBA	
[[31/32/33/34BFT06/07	Non-Class 1E 13.8 kV - 480 V Transformer	NS	N/A	NSC	No	UQA]]	
33/34BBG	Non-Class 1E 6.9 kV Switchgear	NS	N/A	NSC	No	Site Specific	
30BFT02	Non-Class 1E 6.9 kV to 480 V Transformer	NS-AQ	N/A	II	Yes	UJK	ASCE 43-05, RG 1.29 ²⁵
30BFT01	Non-Class 1E 480 V to 6.9 kV Transformer	NS-AQ	N/A	CS	No	USG	ASCE 43-05, RG 1.189 ²⁵
ACD	Offsite Power System						
30BBT01/02	[[500 kV]] - 13.8 kV Offsite Transformers	NS	N/A	NSC	No	UBE	
30BDT01/02	[[500 kV]] - 6.9 kV Offsite Transformers	NS	N/A	NSC	No	UBE	
BA, CHA, MK	Power Transmission (Main Generator, Main Transformer, Protection & Synch)						
30BAT01/02/03	27 kV - [[500 kV]] Main Generator Stepup Transformers	NS	N/A	NSC	No	UBF	

Table 3.2.2-1—Classification Summary
Sheet 85 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30MKT03	Main Generator Neutral Ground Transformer	NS	N/A	NSC	No	UBA	
30MKT01	Main Generator Excitation Transformer	NS	N/A	NSC	No	UBA	
30MKC01	Main Generator Exciter	NS	N/A	NSC	No	UBA	
30MKA	Main Generator	NS	N/A	NSC	No	UBA	
BAW	Lightning Protection & Grounding System	NS	N/A	NSC	No	UZT	
CY	Communication System	NS	N/A	NSC	No	All	
I&C SYSTEMS							
JR, CLE, CLF, CLG, CLH	Protection System						
30CLF35	Gateway, Division 2	NS-AQ	N/A	II	Yes	2UJK	Located in close proximity to safety-related equipment RG 1.29 ²⁵
30CLG35	Gateway, Division 3	NS-AQ	N/A	II	Yes	3UJK	Located in close proximity to safety-related equipment RG 1.29 ²⁵
JR	Service Unit	NS	N/A	NSC	No	UJK	
JR	Balance of Protection System	S	N/A	I	Yes	UJK	

Table 3.2.2-1—Classification Summary
Sheet 86 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
DS, CLE6, CLF6, CLG6, CLH6	Priority & Actuator Control System						
CLE6, CLF6, CLG6, CLH6	Priority & Actuator Control System Cabinets	S	N/A	I	Yes	UJK	
CLE61/62/63, CLF61/62, CLG61/62, CLH61/62/63	Priority & Actuator Control System Cabinets	NS-AQ	N/A	II	Yes	UJK	Located in close proximity to safety-related equipment RG 1.29 ²⁵
DR	Safety Automation System						
DR	Balance of DR System	S	N/A	I	Yes	UBP, UBZ, UJA, UJK, UFA	
CWY, JRE	Safety Information & Control System						
CWY	SICS QDS	NS-AQ	N/A	II	Yes	2UJK	RG 1.29 ²⁵
CWY	Hardwire (Conventional) I&C for Safety Related I&C Functions	S	N/A	I	Yes	2UJK, 3UJK	
CWY	Hardwire (Conventional) I&C for Non-Safety Related I&C Functions	NS-AQ	N/A	II	Yes	2UJK	RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 87 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
CWY	Type A, B, C Post-accident Monitoring Instrumentation	S	N/A	I	Yes	2UJK	
JKR,JKS, CLE14, CLF14, CLG14, CLH14	Reactor Pressure Vessel Level Measurement System						
JKR	Portion of Guide Tube Only	S	N/A	I	Yes	UJA	
JKR	Reactor Pressure Vessel Measurement System	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
JKS, JKQ, CNC, CNN, CLE12/15, CLF12/15, CLG12/15, CLH12/15	Incore Instrumentation System						
JKQ	Aeroball Measurement System Components and Associated Cabinets	NS-AQ	N/A	II	Yes	UJA	Components located inside and outside the reactor Vessel RG 1.29 ²⁵
JKS	Core Outlet Temperature Thermocouples	S	N/A	I	Yes	UJA	
JKS	Reactor Pressure Vessel Dome Temperature Measurement Thermocouples	NS-AQ	N/A	II	Yes	UJA	Thermocouples are located inside the reactor vessel RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 88 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JKS	Self Powered Neutron Detectors	S	N/A	I	Yes	UJA	
JKS	Self Powered Neutron Detectors Test Instrumentation	NS-AQ	N/A	II	Yes	UJA	Located in close proximity to safety-related equipment RG 1.29 ²⁵
30CLE12GH001 30CLE15GH001 30CLE15GH002	Incore Instrumentation Conditioning Cabinets Division 1	S	N/A	I	Yes	1UJK	
30CLF12GH001 30CLF15GH001 30CLF15GH002	Incore Instrumentation Conditioning Cabinets Division 2	S	N/A	I	Yes	2UJK	
30CLG12GH001 30CLG15GH001 30CLG15GH002	Incore Instrumentation Conditioning Cabinets Division 3	S	N/A	I	Yes	3UJK	
30CLH12GH001 30CLH15GH001 30CLH15GH002	Incore Instrumentation Conditioning Cabinets Division 4	S	N/A	I	Yes	4UJK	
JKT, CLE13, CLF13, CLG13, CLH13	Excore Instrumentation System						
JKT	Source Range Detectors	S	N/A	I	Yes	UJA	
JKT	Intermediate Range Detectors	S	N/A	I	Yes	UJA	
JKT	Power Range Detectors	S	N/A	I	Yes	UJA	

Table 3.2.2-1—Classification Summary
Sheet 89 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30CLE13	Excore Conditioning Cabinets Division 1	S	N/A	I	Yes	1UJK	
30CLF13	Excore Conditioning Cabinets Division 2	S	N/A	I	Yes	2UJK	
30CLG13	Excore Conditioning Cabinets Division 3	S	N/A	I	Yes	3UJK	
30CLH13	Excore Conditioning Cabinets Division 4	S	N/A	I	Yes	4UJK	
JKT	Non-Safety Portions of JKT System	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
CPF, CLE23, CLF23, CLG23, CLH23	Boron Concentration Measurement System						
30CLE23	Boron Concentration Measurement Conditioning Cabinet Division 1	S	N/A	I	Yes	1UJK	
30CLF23	Boron Concentration Measurement Conditioning Cabinet Division 2	S	N/A	I	Yes	2UJK	
30CLG23	Boron Concentration Measurement Conditioning Cabinet Division 3	S	N/A	I	Yes	3UJK	

Table 3.2.2-1—Classification Summary
Sheet 90 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30CLH23	Boron Concentration Measurement Conditioning Cabinet Division 4	S	N/A	I	Yes	4UJK	
JYK, LBA, CLE20, CLF20, CLG20, CLH20	Radiation Monitoring System						JYK takes input from sensors in other systems
JYK15CR101/102/103 JYK28CR101 JYK00GH111/112 JYK00GH007/008	High Range Dose Rate Monitor	S	N/A	I	Yes	UJA, UFA	
JYK00GH061/062 JYK00GH109/110	BBX Main Control Room Vent Duct Gamma	S	N/A	I	Yes	UJK	
LBA10CR811 LBA10CR821 LBA10CR831 LBA10CR841	Main Steam Line Radiation Monitors Division 1	S	N/A	I	Yes	1UJE	
LBA20CR811 LBA20CR821 LBA20CR831 LBA20CR841	Main Steam Line Radiation Monitors Division 2	S	N/A	I	Yes	2UJE	

**Table 3.2.2-1—Classification Summary
Sheet 91 of 197**

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
LBA30CR811 LBA30CR821 LBA30CR831 LBA30CR841	Main Steam Line Radiation Monitors Division 3	S	N/A	I	Yes	3UJE	
LBA40CR811 LBA40CR821 LBA40CR831 LBA40CR841	Main Steam Line Radiation Monitors Division 4	S	N/A	I	Yes	4UJE	
JYK	Balance of JYK System	NS	N/A	NSC	No	UJA, UFA, UJH, UJK, UKS, UKA	
JYK	Balance of JYK System	NS-AQ	N/A	NSC	No	UFA	RG 1.89 ²⁵
CLE20	Radiation Monitoring Cabinet Division 1	S	N/A	I	Yes	1UJK	
CLF20	Radiation Monitoring Cabinet Division 2	S	N/A	I	Yes	2UJK	
CLG20	Radiation Monitoring Cabinet Division 3	S	N/A	I	Yes	3UJK	
CLH20	Radiation Monitoring Cabinet Division 4	S	N/A	I	Yes	4UJK	
BUA	Control Rod Drive Control System						
BUA	Contactors only	S	N/A	I	Yes	1UJK, 4UJK	

Table 3.2.2-1—Classification Summary
Sheet 92 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
BUA	Balance of Control Rod Drive Control System	NS-AQ	N/A	II	Yes	1UJK, 4UJK	RG 1.29 ²⁵
CPE	Seismic Monitoring System	NS-AQ	N/A	I	Yes	Site Specific	Exception to Criteria based on the seismic monitoring required to be functional during and after a seismic event RG 1.29 ²⁵
CR	Process Automation System						
CR	Process Automation System	NS	N/A	NSC	No	UJK, UBP, UBA, UAA	
CR	Process Automation System (adjacent to Safety Related Equipment)	NS-AQ	N/A	II	Yes	UJK, UBP	Located in close proximity to safety-related equipment RG 1.29 ²⁵
CME, CMF, CMG, CMH	Diverse Actuation System						
CME, CMF, CMG, CMH	Diverse Actuation System (DAS - adjacent to Safety Related Equipment)	NS-AQ	N/A	II	Yes	UJK	Located in close proximity to safety-related equipment RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 93 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
CME, CMF, CMG, CMH	Diverse Actuation System	NS-AQ	N/A	NSC	No	UJK	SECY-93-087 ²⁵
CRU	Process Information & Control System	NS-AQ	N/A	II	Yes	2UJK, 3UJK	RG 1.29 ²⁵
CYE	Plant Fire Alarm System	NS-AQ	N/A	NSC	No	All	NFPA RG 1.189 ²⁵
JMU	Hydrogen Monitoring System						
JMU	Containment Isolation Valves and Associated Piping	S	B	I	Yes	UJA, 1UJH, 4UJH	ASME Class 2 ²
30JMU50/51 BZ001-004	Gas Samplers	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
30JMU10 CQ001-012	Hydrogen Sensors	NS-AQ	N/A	I	Yes	UJA	RG 1.7 ²⁵ RG 1.29 ²⁵
30JMU20 CQ001-005	Hydrogen Sensors	NS-AQ	N/A	II	Yes	UFA	RG 1.29 ²⁵
30JMU50/51 GH001	Local Control Unit	NS-AQ	N/A	II	Yes	1UJH, 4UJH	RG 1.29 ²⁵
JMU	Piping inside Containment up to Process and Analysis Modules outside Containment (except Containment Isolation)	NS-AQ	D	II	Yes	UJA, 1UJH, 4UJH	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 94 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30JMU50/51 BZ010	Process and Analysis Module	NS-AQ	N/A	II	Yes	1UJH, 4UJH	RG 1.29 ²⁵
30JMU10 GH001	Signal Processing Unit	NS-AQ	N/A	I	Yes	1UJH	RG 1.7 ²⁵
30JMU10 GH002	Signal Processing Unit	NS-AQ	N/A	I	Yes	4UJH	RG 1.7 ²⁵
JS	Reactor Control, Surveillance & Limitation System	NS-AQ	N/A	II	Yes	UJA, UJH	RG 1.29 ²⁵
CLE51/52, CLF51/52, CLG51/52, CLH51/52	Signal Conditioning and Distribution System (SCDS)						
30CLE51	SCDS Cabinets Division 1	S	N/A	I	Yes	1UJK	
30CLF51	SCDS Cabinets Division 2	S	N/A	I	Yes	2UJK	
30CLG51	SCDS Cabinets Division 3	S	N/A	I	Yes	3UJK	
30CLH51	SCDS Cabinets Division 4	S	N/A	I	Yes	4UJK	
30CLE52	SCDS Cabinets Division 1	NS-AQ	N/A	I	Yes	1UJK	RG 1.29 ²⁵
30CLF52	SCDS Cabinets Division 2	NS-AQ	N/A	I	Yes	2UJK	RG 1.29 ²⁵
30CLG52	SCDS Cabinets Division 3	NS-AQ	N/A	I	Yes	3UJK	RG 1.29 ²⁵

**Table 3.2.2-1—Classification Summary
Sheet 95 of 197**

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30CLH52	SCDS Cabinets Division 4	NS-AQ	N/A	I	Yes	4UJK	RG 1.29 ²⁵
CLE11,CLF11, CLG11, CLH11	Rod Position Measurement System (RPMS)						
30CLE11	Rod Position Measurement Cabinets Division 1	S	N/A	I	Yes	1UJK	
30CLF11	Rod Position Measurement Cabinets Division 2	S	N/A	I	Yes	2UJK	
30CLG11	Rod Position Measurement Cabinets Division 3	S	N/A	I	Yes	3UJK	
30CLH11	Rod Position Measurement Cabinets Division 4	S	N/A	I	Yes	4UJK	
JYH	Leak Detection Systems						
JYH	Main Steam Local Humidity Detection System	NS-AQ	N/A	II	Yes	UJK, UJA	Located in close proximity to safety-related equipment. Used to support LBB analysis.RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 96 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
JYH	Balance of JYH System	NS-AQ	N/A	II	Yes	UJA	Located in close proximity to safety-related equipment. Portions used to support RCPB leakage assumption. RG 1.29 ²⁵
JYL	Fatigue Monitoring System	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
JYF	Loose Parts Monitoring System	NS	N/A	NSC	No	UJA, UJH	
JYG, JYM	Vibration Monitoring System	NS	N/A	NSC	No	UJA, UJH	
N/A	Turbine - Generator Instrumentation & Control	NS	N/A	NSC	No	UAA, UBA, UMA	
DISTRIBUTED UTILITIES							
PE	Essential Service Water System						
30PEB10/20/30/40 CR001	Radioactivity Monitor	NS-AQ	N/A	II	Yes	UJH	RG 1.29 ²⁵
30PED10/20/30/40 AA011	Cooling Tower Bypass Isolation Valves	S	C	I	Yes	UQB	ASME Class 3 ³
PED10/20/30/40	Cooling Tower Bypass Piping	S	C	I	Yes	UQB, URB	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 97 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
PED10/20/30/40	Cooling Tower Distribution Piping	S	C	I	Yes	UQB, URB	ASME Class 3 ³
30PED10/20/30/40 AA010	Cooling Tower Distribution Piping Isolation Valves	S	C	I	Yes	UQB	ASME Class 3 ³
PEB80	Dedicated ESW Blowdown Piping inside 4UQB	NS	E	NSC	No	4UQB	ANSI/ASME B31.1 ⁶
PEB80	Dedicated ESW Blowdown Piping outside 4UQB	NS	E	NSC	No	UQT	ANSI/ASME B31.1 ⁶
30PEB80 AT001	Dedicated ESW Debris Filter	NS	E	NSC	No	4UQB	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
PEB80	Dedicated ESW Piping/ Components	NS	E	NSC	No	4UQB, UQT, 4UJH	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , Manufacturer Standards
30PEB80 AP001	Dedicated ESW Pump	NS	E	NSC	No	4UQB	Manufacturer Standards
30PEB80 AA004	Dedicated ESW return isolation valve	S	C	I	Yes	4UJH	ASME Class 3 ³
PEB81	Dedicated ESW to/ from UQB Ventilation System Room Cooler	NS	E	NSC	No	4UQB	Manual Initiation ico Severe Accident only; ANSI/ASME B31.1 ⁶

Table 3.2.2-1—Classification Summary
Sheet 98 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
PEB80	Dedicated ESW Valves	NS	E	NSC	No	4UQB, UJH	ANSI/ASME B31.1 ⁶
PEB10/20/30/40	ESW Blowdown Piping Outside UQB	NS	E	NSC	No	UZT	ANSI/ASME B31.1 ⁶
30PEB10/20/30/40 AA003	ESW Blowdown Isolation Valve	S	C	I	Yes	UQB	ASME Class 3 ³
30PEB10/20/30/40 AA015/016	ESW Blowdown Isolation Valve	S	C	I	Yes	UQB	ASME Class 3 ³
30PEB10/20/30/40AA004	ESW Filter Emergency Blowdown Isolation Valve	S	C	I	Yes	UQB	ASME Class 3 ³
PEB10/20/30/40	Emergency Blowdown and Emergency Debris Filter Blowdown Piping to its terminal end outside of wall of UQB.	S	C	I	Yes	UQB	ASME Class 3 ³
PEB10/20/30/40	ESW Blowdown Piping inside UQBs and downstream of Isolation Valves 30PEB 10/20/30/40 AA003, AA015, AA016	NS	E	NSC	No	UQB	ANSI/ASME B31.1 ⁶

Table 3.2.2-1—Classification Summary
Sheet 99 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
PEB10/20/30/40	ESW Blowdown Piping upstream of Isolation Valves 30PEB 10/20/30/40 AA003, AA015, AA016	S	C	I	Yes	UQB	ASME Class 3 ³
30PED10/20/30/40 AA022	ESW Chemical Treatment System Isolation Valves	NS	E	NSC	No	UQB	ANSI/ASME B31.1 ⁶
PED10/20/30/40	ESW Chemical Treatment System Piping	NS	E	NSC	No	UQB	ANSI/ASME B31.1 ⁶
30PEB10/20/30/40 AT002	ESW Debris Filters	S	C	I	Yes	UQB	ASME Class 3 ³
30PED10/20/30/40 AA021	ESW Emergency Makeup Water Isolation Valves	S	C	I	Yes	UQB	ASME Class 3 ³
PED10/20/30/40	ESW Emergency Makeup Water Piping	S	C	I	Yes	UQB	ASME Class 3 ³
30PED10/20/30/40 AA019	ESW Normal Makeup Water Isolation Valves	S	C	I	Yes	UQB	ASME Class 3 ³
PED10/20/30/40	ESW Normal Makeup Water Piping downstream of Isolation Valves 30PED10/20/30/40 AA019	S	C	I	Yes	UQB	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 100 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
PED10/20/30/40	ESW Normal Makeup Water Piping upstream of Isolation Valves 30PED10/20/30/40 AA019	NS	E	NSC	No	UQB	ANSI/ASME B31.1 ⁶
30PED10/20/30/40 AA024	ESW UHS Tower Keep-Fill Isolation Valves	S	C	I	Yes	UQB	ASME Class 3 ³
30PED 10/20/30/40 AA025	ESW UHS Tower Keep-Fill Check Valves	S	C	I	Yes	UQB	ASME Class 3 ³
PEB10/20/30/40	ESW Piping/Components (Trains PEB10/20/30/40)	S	C	I	Yes	UQB, UZT ²² , UJH, UBP	Except as noted in this Table/ASME Class 3 ³
30PEB10/20/30/40 AP001	ESW Pumps	S	C	I	Yes	UQB	ASME Class 3 ³
30PEB21/22/23/24	ESW to/from EDG Coolers	S	C	I	Yes	UQB	ASME Class 3 ³
30PEB11/12/13/14	ESW to/from UQB Ventilation System Room Cooler	S	C	I	Yes	UQB	Except as noted in this Table/ASME Class 3 ³
30PEB15/25/35/45	ESW to/from UBP Control/Electrical Room Coolers	S	C	I	Yes	UBP	ASME Class 3 ³
30PEB10/20/30/40	ESW Valves (Trains PEB10/20/30/40)	S	C	I	Yes	UQB, UJH, UBP	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 101 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30PED10/20/30/40 AN001/002	UHS Cooling Tower Fans	S	N/A	I	Yes	URB	
30PED10/20/30/40 AT003	Coarse Debris Screen	S	N/A	I	Yes	URB	ANSI/AISC N690-1994(R2004)s2 ¹³
30PED10/20/30/40 AT004	Fine Debris Screen	S	N/A	I	Yes	URB	ANSI/AISC N690-1994(R2004)s2 ¹³
30PED10/20/30/40 AC001	Mechanical Draft Cooling Towers (excluding fans)	S	C	I	Yes	URB	ASME Class 3 ³
30PEB15/25/35/45 AA010	Isolation Valve Upstream of 30SAD13/23/33/43AC001	S	C	SI	Yes	UBP	ASME Class 3
30PEB15/25/35/45 AA011	Isolation Valve Downstream of 30SAD13/23/33/43AC001	S	C	SI	Yes	UBP	ASME Class 3
30PEB15/25/35/45 AA012	Isolation Valve Downstream of 30SAD13/23/33/43AC001	S	C	SI	Yes	UBP	ASME Class 3
30PEB15/25/35/45 AA310	Ventilation Valve Upstream of 30SAD13/23/33/43 AC001	S	C	SI	Yes	UBP	ASME Class 3

Table 3.2.2-1—Classification Summary
Sheet 102 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30PEB15/25/35/45 AA311	Ventilation Valve Downstream of 30SAD13/23/33/43 AC001	S	C	SI	Yes	UBP	ASME Class 3
30PEB15/25/35/45 AA410	Drain Valve Upstream of 30SAD13/23/33/43 AC001	S	C	SI	Yes	UBP	ASME Class 3
30PEB15/25/35/45 AA510	Instrument Valve for Differential Pressure Measurement of 30SAD13/23/33/43 AC001	S	C	SI	Yes	UBP	ASME Class 3
30PEB15/25/35/45 AA511	Instrument Valve for Differential Pressure Measurement of 30SAD13/23/33/43 AC001	S	C	SI	Yes	UBP	ASME Class 3
QKA	Safety Chilled Water System						
30QKC10/40 CR001	Radioactivity Monitor	NS-AQ	N/A	II	Yes	UJH	RG 1.29 ²⁵
30QKA10/20/30/40 AP107	Running Pumps	S	C	I	Yes	UJK	ASME Class 3 ³
30QKA10/20/30/40 AP108	Standby Pumps	S	C	I	Yes	UJK	ASME Class 3 ³
30QKA10/40 AH112	Air Cooled Chillers	S	C	I	Yes	UJK	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 103 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30QKA20/30 AH112	Water Cooled Chillers	S	C	I	Yes	UJK	ASME Class 3 ³
30QKA10/20/30/40 BB101	Expansion Tanks	S	C	I	Yes	UJK	ASME Class 3 ³
QKA	All Valves and Instruments	S	C	I	Yes	UJK, UJH, UFA	ASME Class 3 ³
QKA	All Piping and Supports	S	C	I	Yes	UJK, UJH, UFA	ASME Class 3 ³
30QKA10/40 AN021-028	Safety Chilled Water Fans	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30QKA10/40 AA023-026	Safety Chilled Water Check Dampers	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30QKA10/40 AA033-036	Safety Chilled Water Check Dampers	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30QKA10/40 AH021	Safety Chilled Water Air Heaters	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
KA	Component Cooling Water System						
30KAA10/20/30/40 CR001	Radioactivity Monitor	NS-AQ	N/A	II	Yes	UJH	RG 1.29 ²⁵
30KAB60/70 CR001/002	Radioactivity Monitor	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
KAB10/20/30/40/50/60/70/80	CCWS Common Header (1 & 2) Piping and Valves in 1UJH & 4UJH, UJA, and UFA	S	C	I	Yes	1UJH, 4UJH, UFA, UJA	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 104 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
KAB30/40/60/70	CCWS Containment Penetration, Piping, and the following Inner and Outer Isolation Valves.	S	B	I	Yes	UJA	ASME Class 2 ²
30KAB60/70 AA116	CCWS Control Valves for CVCS HP Coolers	S	C	I	Yes	UJA	ASME Class 3 ³
30KAB10/20 AA134	CCWS Control Valves for FPCS Heat Exchanger 1	S	C	I	Yes	UFA	ASME Class 3 ³
30KAA22/32 AA101	CCWS Control Valves to SCWS Chillers	S	C	I	Yes	2UJH, 3UJH	ASME Class 3 ³
30KAA10/20/30/40 AA112	CCWS Heat Exchanger Bypass Valves	S	C	I	Yes	UJH	ASME Class 3 ³
30KAA10/20/30/40 AC001	CCWS Heat Exchangers	S	C	I	Yes	UJH	ASME Class 3 ³
30KAB30 AA050/051	CCWS Inner Containment Isolation Valves for RCP Thermal Barrier	S	B	I	Yes	UJA	ASME Class 2 ²
30KAB30 AA054/055	CCWS Inner Containment Isolation Valves for RCP Thermal Barrier	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 105 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KAB40 AA002/012	CCWS Inner Containment Isolation Valves for Return from Containment HVAC and RC Drain Cooler	S	B	I	Yes	UJA	ASME Class 2 ²
30KAB60/70 AA014/018	CCWS Inner Containment Isolation Valves for Return from RCPs and CVCS Coolers	S	B	I	Yes	UJA	ASME Class 2 ²
30KAA22/32 AA013	CCWS Isolation Valves to LSHI Pump Seal Coolers	S	C	I	Yes	2UJH, 3UJH	ASME Class 3 ³
KAB50/80	CCWS Non-Safety Related Piping and Valves in 1 & 4 UJH, or UFA	NS	E	NSC	No	1UJH, 4UJH, UFA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
KAB50/80	CCWS Non-Safety Related Piping and Valves in UKS or UKA	NS	E	NSC	No	UKA, UKS	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
30KAB40 AA006	CCWS Outer Containment Isolation Valve for Return from Containment HVAC and RC Drain Cooler	S	B	I	Yes	1UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 106 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KAB40 AA001	CCWS Outer Containment Isolation Valve for Supply to Containment HVAC and RC Drain Cooler	S	B	I	Yes	1UJH	ASME Class 2 ²
30KAB30 AA049/052	CCWS Outer Containment Isolation Valves for RCP Thermal Barrier	S	B	I	Yes	1UJH	ASME Class 2 ²
30KAB30 AA053/056	CCWS Outer Containment Isolation Valves for RCP Thermal Barrier	S	B	I	Yes	4UJH	ASME Class 2 ²
30KAB60/70 AA019	CCWS Outer Containment Isolation Valves for Return from RCPs and CVCS Coolers	S	B	I	Yes	1UJH, 4UJH	ASME Class 2 ²
30KAB60/70 AA013	CCWS Outer Containment Isolation Valves for Supply to RCPs and CVCS Coolers	S	B	I	Yes	1UJH, 4UJH	ASME Class 2 ²
KAA10/12/20/22/30/32/40/42	CCWS Piping and Valves in UJH	S	C	I	Yes	UJH	ASME Class 3 ³
30KAA10/20/30/40 AP001	CCWS Pumps	S	C	I	Yes	UJH	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 107 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KAA10/20/30/40 BB001	CCWS Surge Tanks (Pools)	S	C	I	Yes	UJH	Liner: ASME Class 3 ³
30KAA12/22/32/42 AA005	CCWS to LHSI Heat Exchanger Isolation Valves	S	C	I	Yes	UJH	ASME Class 3 ³
30KAB80 AA019	CCWS UKA Common 1.B Return Isolation Valve	S	C	I	Yes	1UJH	ASME Class 3 ³
30KAB80 AA015/ 016	CCWS UKA Common 1.B Supply Isolation Valves	S	C	I	Yes	1UJH	ASME Class 3 ³
30KAB50 AA004	CCWS UKA/UFA Common 2.B Return Isolation Valve	S	C	I	Yes	4UJH	ASME Class 3 ³
30KAB50 AA001/ 006	CCWS UKA/UFA Common 2.B Supply Isolation Valves	S	C	I	Yes	4UJH	ASME Class 3 ³
30KAA80 AC001	Dedicated CCWS Heat Exchanger	NS	E	NSC	No	2UJH	ASME VIII ⁸
KAA80	Dedicated CCWS Piping and Valves in the 4UJH	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30KAA80 AP201	Dedicated CCWS Pressurization Pump	NS	E	NSC	No	4UJH	Manufacturer Standards

Table 3.2.2-1—Classification Summary
Sheet 108 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KAA80 AA202	Dedicated CCWS Pressurization Pump Isolation Valve	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30KAA80 AP001	Dedicated CCWS Pump	NS	E	NSC	No	4UJH	Manufacturer Standards
30KAA80 BB001	Dedicated CCWS Surge Tank	NS	E	NSC	No	4UJH	ASME VIII ⁸
30KAA80 AA021	Dedicated CCWS Surge Tank Nitrogen Supply Isolation Valve	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30KAA80 AA020	Dedicated CCWS Surge Tank Outlet Isolation Valve	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30KAA10/20/30/40 AA027	DWDS Supply Isolation Valves	S	C	I	Yes	UJH	ASME Class 3 ³
KAA/10/20/30/40	Piping and Valves Upstream of the DWDS Supply Isolation Valves (KAA10/20/30/40 AA027)	NS	E	NSC	No	UJH	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30KAA10/20/30/40 AA010/032	Switchover Valves Return from Common Headers	S	C	I	Yes	UJH	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 109 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KAA10/20/30/40 AA006/033	Switchover Valves Supply to Common Headers	S	C	I	Yes	UJH	ASME Class 3 ³
QN	Operational Chilled Water System - Nuclear Island						
30QNJ41AA002/003	Containment Isolation Valves	S	B	I	Yes	UJA, UFA	ASME Class 2 ²
30QNJ41AA027/028	Containment Isolation Valves	S	B	I	Yes	UJA, UFA	ASME Class 2 ²
GHC	Demineralized Water Distribution System						
30GHC11/12 AP001	Demineralized Water Pumps	NS	E	NSC	No	UBA	Manufacturer Standards
30GHC60 AP001	Emergency Demineralized Water Pump	NS	E	NSC	No	UBA	Manufacturer Standards
30GHC01/02 BB001	Demineralized Water Storage Tanks	NS	E	NSC	No	UBA	AWWA D100
GHC	Containment Penetration including Inner and Outer Isolation Valves (GHC74 AA002, GHC74 AA001)and Associated Piping	S	B	I	Yes	UFA, UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 110 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
GHC	System Components in UJA, UFA, UBP, and UJH	NS	E	NSC	No	UJA, UFA, UBP, UJH	ANSI/ASME B31.1 ⁶
GHC	System Components in the Conventional Island, UKS, and UKA	NS	E	NSC	No	UBA, UMA, UKS, UKA	ANSI/ASME B31.1 ⁶
GHW	Seal Water Supply System						
GHW	Remaining Seal Water Components and Piping Inside Safeguard Building 4UJH and the Fuel Building UFA	NS	E	NSC	No	4UJH, UFA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
GHW	Remaining Seal Water Components and Piping Outside Safeguard Building 4UJH and the Fuel Building UFA	NS	E	NSC	No	UKS, UKA, UBA, UMZ	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30GHW44 BB001	Seal Water Buffer Tank	NS	E	NSC	No	4UJH	ASME VIII ⁸
30GHW45 BB001	Seal Water Buffer Tank	NS	E	NSC	No	UFA	ASME VIII ⁸
30GHW45 AA005	Seal Water Buffer Tank Isolation Valve	NS	E	NSC	No	UFA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30GHW44 AA003	Seal Water Check Valve	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷

Table 3.2.2-1—Classification Summary
Sheet 111 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30GHW45 AA003	Seal Water Check Valve	NS	E	NSC	No	UFA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30GHW46 AA002	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30GHW11/12 AA002	Seal Water Check Valves	NS	E	NSC	No	UBA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30GHW11/12 AA011	Seal Water Check Valves	NS	E	NSC	No	UBA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30GHW46 AA012	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA013	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA014	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA015	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA016	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA017	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷

Table 3.2.2-1—Classification Summary
Sheet 112 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30GHW46 AA018	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA019	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA020	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA023	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA024	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA025	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA026	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA027	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA028	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA029	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷

Table 3.2.2-1—Classification Summary
Sheet 113 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30GHW46 AA030	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW46 AA031	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW44 AA191	Seal Water Pressure Protection Relief Valve	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW45 AA191	Seal Water Pressure Protection Relief Valve	NS	E	NSC	No	UFA	ANSI/ASME B31.1 ⁶ , ANSI/ ASME B16.34 ⁷
30GHW40 AA002	Seal Water NI Isolation Motor-Operated Valve	NS	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30GHW46 AA003/011	Seal Water Pressure Reducing Valves	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30GHW46 AA191/193	Seal Water Pressure Relief Valves	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30GHW11/12 AP001	Seal Water Pumps	NS	E	NSC	No	UBA	Manufacturer Standards
30GHW44 AA002	Seal Water Solenoid Valve	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30GHW45 AA002	Seal Water Solenoid Valve	NS	E	NSC	No	UFA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷

Table 3.2.2-1—Classification Summary
Sheet 114 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30GHW44 BB302	Seal Water Tank	NS	E	NSC	No	4UJH	ASME VIII ⁸
GK	Potable & Sanitary Water Systems						
GK	Potable and Sanitary Water Systems	NS	N/A	NSC	No	UBA, UKA, UKE, UKS, UJK, UMA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
GK	GK System Piping and Associated Valves located in the UJH and UBP	NS	E	NSC	No	UJH, UBP	ANSI/ASME B31.1 ⁶
SGA, SGB	Fire Water Distribution System						
SGA	Fire Water Distribution System, Conventional Area (Not Providing Safe Shutdown Earthquake Protection)	NS-AQ	N/A	NSC	No	USG, UZT	NFPA 20, 2007 Ed. NFPA 22, 2003 Ed. NFPA 24, 2007 Ed. NFPA 25, 2002 Ed. NFPA 804, 2006 Ed. RG 1.189 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 115 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
SGA	Fire Water Distribution System, Conventional Area (Safe Shutdown Equipment Protection)	NS-AQ	N/A	CS	No	USG, UZT	NFPA 20, 2007 Ed. NFPA 22, 2003 Ed. NFPA 24, 2007 Ed. NFPA 25, 2002 Ed. NFPA 804, 2006 Ed. ANSI/ASME B31.1 ⁶ , ASCE/SEI Std. 43-05, ANSI/AWWA D100-2005; Required for safe shutdown earthquake protection RG 1.189 ²⁵
SGB	Fire Water Distribution System, SGB Subsystem within UKS and UKA inside Nuclear Island	NS-AQ	N/A	NSC	No	UKS, UKA	NFPA 14, 2007 Ed. NFPA 25, 2002 Ed. NFPA 804, 2006 Ed. RG 1.189 ²⁵
SGB	Fire Water Distribution System, SGB Subsystem (Safe Shutdown Equipment Protection)	NS-AQ	N/A	II	Yes	UBP, UFA, UJA, UJH, UJK, URB, UJB	NFPA 14, 2007 Ed. NFPA 25, 2002 Ed. NFPA 804, 2006 Ed. ANSI/ASME B31.1 ⁶ ; Required for safe shutdown earthquake protection RG 1.29 ²⁵ RG 1.189 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 116 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
SGB	Fire water distribution system, SGB Subsystem Containment Isolation Valves	S	B	I	Yes	UFA, UJA, UJB	ASME Class 2 ²
SGC	Spray Deluge Systems	NS-AQ	N/A	NSC	No	UJA, UBP	NFPA 13, 2007 Ed. NFPA 15, 2007 Ed. NFPA 25, 2002 Ed. NFPA 804, 2006 Ed. RG 1.189 ²⁵
SGE	Sprinkler Systems	NS-AQ	N/A	NSC	No	UBP	NFPA 13, 2007 Ed. NFPA 25, 2002 Ed. NFPA 804, 2006 Ed. RG 1.189 ²⁵
SGJ	Gaseous Fire Extinguishing Systems	NS-AQ	N/A	NSC	No	2UJH	NFPA 2001, 2004 Ed. NFPA 804, 2006 Ed. RG 1.189 ²⁵
SC	Compressed Air System						
SCB	Compressed Air Distribution System	NS	N/A	NSC	No	UMA	ANSI/ASME B31.1 ⁶

Table 3.2.2-1—Classification Summary
Sheet 117 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
SCB	Compressed Air Distribution System Containment Isolation Valves	S	B	I	Yes	UFA, UJA	ASME Class 2 ² ; During DBA, the motor operated containment isolation valves are closed by signals from the Protection System
SCA	Compressed Air Generation System	NS	N/A	NSC	No	UMA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
SCB	Piping components of the Compressed Air Distribution System Located in UJA, UFA, UBP, UJH, UJK, UJE, UQB	NS	E	NSC	No	UJA, UFA, UBP, UJH, UJK, UQB, UJE	ANSI/ASME B31.1 ⁶
SCB	Piping Components of the Compressed Air System (FLEX)	NS-AQ	D	II	Yes	UFA, UJA	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
QJ	Central Gas Distribution System						Only Containment Isolation in scope.
QJB	Containment Isolation Valves, Associated Piping, and Penetration	S	B	I	Yes	UFA, UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 118 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
AUXILIARY SYSTEMS							
JMM	Leak-off System						
JMM30	Containment Inflating/ Deflating Subsystem - Air Intake and Discharge Piping	NS	E	NSC	No	UFA	ANSI/ASME B31.1 ⁶
JMM10	Containment Leaktightness Test Subsystem - Contaminant Isolation Valves and Related Piping	S	B	I	Yes	UJA, UJB, UJH	ASME Class 2 ²
JMM10	Containment Leaktightness Test Subsystem - Remaining Piping	NS	E	NSC	No	UJA, UJB, UJH, UZT	ANSI/ASME B31.1 ⁶
KT	Nuclear Island Drain & Vent Systems						
30KTC10 AP004	Annular Sump Pump - UJB	NS	D	NSC	No	UJB	Manufacturer Standards
30KTA10 AA017	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30KTA10 AA018	Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 ²
30KTD10 AA015	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 119 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KTD10 AA024	Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 ²
30KTC10 AA005/029	Containment Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30KTC10 AA006/010	Containment Isolation Valves	S	B	I	Yes	UFA	ASME Class 2 ²
KTA, KTC, KTD	Containment Penetration: Piping and Valves	S	B	I	Yes	UJA, UFA	ASME Class 2 ²
30KTA11 AP001	Evacuation Unit	NS	D	NSC	No	UJA	Manufacturer Standards
30KTC10 AP003	Floor Drain 1 Mobile Pump - UJA	NS	D	NSC	No	UJA	Manufacturer Standards
30KTC10 AP001/002	Floor Drain 1 Pumps - UJA	NS	D	NSC	No	UJA	Manufacturer Standards
30KTC20 AP001-004	Floor Drain 1 Pumps - UJH	NS	D	NSC	No	UJH	Manufacturer Standards
30KTC40 AP001-005	Floor Drain 1 Pumps - UKA	NS	D	NSC	No	UKA	Manufacturer Standards
30KTC50/51/52/53/54 AP001	Floor Drain 1 Pumps - UKA	NS	D	NSC	No	UKA	Manufacturer Standards
30KTD60 AP001	Floor Drain 2 Pump - UKE	NS	E	NSC	No	UKE	Manufacturer Standards

Table 3.2.2-1—Classification Summary
Sheet 120 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KTC30 AP001/002	Floor Drain 2 Pumps - UFA	NS-AQ	D	II	Yes	UFA	Manufacturer Standards, ASCE 43-05, RG 1.29 ²⁵
30KTD40 AP001-003	Floor Drain 2 Pumps - UKA	NS	D	NSC	No	UKA	Manufacturer Standards
30KTE20 AP001	Floor Drain 3 Mobile Pump	NS	E	NSC	No	1UJH	Manufacturer Standards
30KTE20 AP002	Floor Drain 3 Mobile Pump	NS	E	NSC	No	4UJH	Manufacturer Standards
30KTE20 AP003/004	Floor Drain 3 Pumps - UJH	NS	E	NSC	No	UJH	Manufacturer Standards
30KTE40 AP001/002	Floor Drain 3 Pumps - UKA	NS	D	NSC	No	UKA	Manufacturer Standards
30KTD10 AP002	Floor Drains 2 Annulus Pump - UJB	NS	D	NSC	No	UJB	Manufacturer Standards
30KTD10 AP003	Floor Drains 2 Mobile Pump - UJA	NS	D	NSC	No	UJA	Manufacturer Standards
30KTD10 AP001	Floor Drains 2 Pump - UJA	NS	D	NSC	No	UJA	Manufacturer Standards
30KTD10 BB001	Floor Drains 2 Tank - UJA	NS	D	NSC	No	UJA	ASME VIII ⁸
30KTA11 BB001	Phase Separator Drain Pot	NS	D	NSC	No	UJA	ASME B31.1 ⁶

Table 3.2.2-1—Classification Summary
Sheet 121 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
KTA30, KTB30, KTC30	Piping & Valves Inside UFA (with the exception of the Spent Fuel Pool Spray System)	NS	D	NSC	No	UFA	ANSI/ASME B31.1 ⁶
KTA, KTC, KTD	Piping & Valves Inside UJA	NS	D	NSC	No	UJA	ANSI/ASME B31.1 ⁶
KTC	Spent Fuel Pool Spray System Piping & Valves	NS-AQ	D	II	Yes	UFA	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
KTA20, KTB20, KTC20	Piping & Valves Inside UJH (Controlled Areas)	NS	D	NSC	No	UJH	ANSI/ASME B31.1 ⁶
KTE20	Piping & Valves Inside UJH (Non-Controlled Areas)	NS	E	NSC	No	UJH	ANSI/ASME B31.1 ⁶
KTA41, KTB40, KTC40, KTD40	Piping & Valves Inside UKA	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
KTD60	Piping & Valves Inside UKE	NS	E	NSC	No	UKE	ANSI/ASME B31.1 ⁶
KTC50/51/52/53/54	Piping & Valves Inside UKS	NS	D	NSC	No	UKS	ANSI/ASME B31.1 ⁶
KT	Piping and Valves Connected to Radwaste	NS-AQ	D	RS	No	UKA	ASME B31.1 ⁶ RG 1.143 ²⁵ , RW-IIa
30KTA10AC001	NIDVS RCDT cooler	S	C	I	Yes	UJA	Class 3

Table 3.2.2-1—Classification Summary
Sheet 122 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
KTA10	NIDVS RCDT cooler supply and return piping to the nearest valves	NS-AQ	D	II	Yes	UJA	ASME B31.1
30KTA41 BB001	Primary Leakage Measurement Bottle	NS	D	NSC	No	UJA	ASME VIII ⁸
30KTB20 AP001	Process Drain Mobile Pumps - 1UJH	NS	D	NSC	No	1UJH	Manufacturer Standards
30KTB20 AP004	Process Drain Mobile Pumps - 4UJH	NS	D	NSC	No	4UJH	Manufacturer Standards
30KTB20 AP002	Process Drain Pump - 2UJH	NS	D	NSC	No	2UJH	Manufacturer Standards
30KTB20 AP003	Process Drain Pump - 3UJH	NS	D	NSC	No	3UJH	Manufacturer Standards
30KTA10 AP003	Process Drain Pump - UJA	NS	D	NSC	No	UJA	Manufacturer Standards
30KTB30 AP001/002	Process Drain Pumps - UFA	NS	D	NSC	No	UFA	Manufacturer Standards
30KTB20 BB002	Process Drain Tank - 2UJH	NS	D	NSC	No	2UJH	ASME VIII ⁸
30KTB20 BB003	Process Drain Tank - 3UJH	NS	D	NSC	No	3UJH	ASME VIII ⁸
30KTA10 BB002	Process Drain Tank - UJA	NS	D	NSC	No	UJA	ASME VIII ⁸

Table 3.2.2-1—Classification Summary
Sheet 123 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KTB30 BB001/002	Process Drain Tanks - UFA	NS	D	NSC	No	UFA	ASME VIII ⁸
30KTB40 BB001	Process Drain UKA Relay Tank	NS	D	NSC	No	UKA	ASME VIII ⁸
30KTC10 CL001/002	Reactor Building Sump Level Indicators	S	N/A	I	Yes	UJA	Manufacturer Standards, RG 1.45, Rev. 1, IEEE 323, IEEE 344
30KTA10 BB001	Reactor Coolant Drain Tank	NS	D	NSC	No	UJA	ASME VIII ⁸
30KTA30 AP001/002	Recyclable Effluents Pumps - UFA	NS	D	NSC	No	UFA	Manufacturer Standards
30KTA10 AP001/002	Recyclable Effluents Pumps - UJA	NS	D	NSC	No	UJA	Manufacturer Standards
30KTA20 AP001-004	Recyclable Effluents Pumps - UJH	NS	D	NSC	No	UJH	Manufacturer Standards
30KTA40 AP001/002	Recyclable Effluents Pumps - UKA	NS	D	NSC	No	UKA	Manufacturer Standards
30KTA40 BB001	Recyclable Effluents Tank - UKA	NS	D	NSC	No	UKA	ASME VIII ⁸
30KTA30 BB001/002	Recyclable Effluents Tanks - UFA	NS	D	NSC	No	UFA	ASME VIII ⁸
30KTA20 BB001-004	Recyclable Effluents Tanks - UJH	NS	D	NSC	No	UJH	ASME VIII ⁸

Table 3.2.2-1—Classification Summary
Sheet 124 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KTE20 CL001/003/005/007	Sump Level Sensors	S	N/A	I	Yes	UJH	Manufacturer Standards, IEEE 323, IEEE 344
30KTC10 CL005	Sump Level Sensors	S	N/A	I	Yes	UJA	Manufacturer Standards, IEEE 323, IEEE 344
30KTC30 CL001/003	Sump Level Sensors	S	N/A	I	Yes	UFA	Manufacturer Standards, IEEE 323, IEEE 344
30KTD10 CL002	Sump Level Sensors	S	N/A	I	Yes	UJB	Manufacturer Standards, IEEE 323, IEEE 344
KU	Nuclear Sampling System						
30KUA70 BB001	Active Sample Storage Tank	NS	D	NSC	No	UKA	ASME VIII ⁸
KUA66	Argon/Nitrogen Bottles	NS	E	NSC	No	UKA	Manufacturer Standards
KUA65/66	Argon/Nitrogen Piping	NS	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KUA10 AC002	Boron Sample Heat Exchanger	NS-AQ	D	NSC	No	UFA	ASME VIII ⁸ RG 1.21 ²⁵ NUREG-0737 ²⁵
KUA, KUB	Chilled Water Piping Distribution (QN)	NS	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶

Table 3.2.2-1—Classification Summary
Sheet 125 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KUA50 AT001	Commissioning Filter	NS	E	NSC	No	UKA	Manufacturer Standards
30KUA10/20/30/40 AT001	Commissioning Filters	NS	E	NSC	No	UFA	Manufacturer Standards
30KUA69 AT001-004	Commissioning Filters	NS	E	NSC	No	UJH	Manufacturer Standards
30KUA65 AC002/003	Condensers	NS	D	NSC	No	UKA	ASME VIII ⁸
30KUA10 AA003	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30KUA10 AA004	Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 ²
30KUA20 AA002	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30KUA30 AA003	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30KUB10 AA001	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30KUB10 AA002	Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 ²
30KUA20 AA003/004	Containment Isolation Valves	S	B	I	Yes	UFA	ASME Class 2 ²
30KUA65 AT001	Degasser	NS	D	NSC	No	UKA	ASME VIII ⁸

Table 3.2.2-1—Classification Summary
Sheet 126 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KUA66 AT001/002	Filters	NS	D	NSC	No	UKA	ASME VIII ⁸
30KUA65 AT002	Gas Drier	NS	D	NSC	No	UKA	ASME VIII ⁸
KUA62	Hydrogen Piping	NS	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KUA80 AN001	Mobile Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KUA67 AC001-005	Multiple Heat Exchangers	NS	D	NSC	No	UKA	ASME VIII ⁸
30KUA69 AC001-004	Multiple Heat Exchangers	NS	D	NSC	No	UKA	ASME VIII ⁸
KUF	Piping	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
KUA	Piping & Valves (Upstream Outer Containment Isolation Valve)	S	B	I	Yes	UJA, UFA	ASME Class 2 ²
KUA	Piping & Valves (from Boron Grab Sample)	NS-AQ	D	NSC	No	UFA, UKA	ANSI/ASME B31.1 ⁶ RG 1.21 ²⁵ NUREG-0737 ²⁵
KUB	Piping (from Outer Containment Isolation Valve)	NS	D	NSC	No	UFA, UKA	ANSI/ASME B31.1 ⁶

Table 3.2.2-1—Classification Summary
Sheet 127 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
KUB	Piping (Upstream Outer Containment Isolation Valve)	S	B	I	Yes	UJA, UFA	ASME Class 2 ²
30KUA10AC001	NSS sample cooler	S	C	I	Yes	UFA	ASME Class 3
KUA10	NSS sample cooler supply and return piping to the nearest valves	NS-AQ	D	II	Yes	UFA	ASME B31.1
30KUA20AC001	NSS sample cooler	S	C	I	Yes	UFA	ASME Class 3
KUA20	NSS sample cooler supply and return piping to the nearest valves	NS-AQ	D	II	Yes	UFA	ASME B31.1
30KUA30AC001	NSS sample cooler	S	C	I	Yes	UFA	ASME Class 3
KUA30	NSS sample cooler supply and return piping to the nearest valves	NS-AQ	D	II	Yes	UFA	ASME B31.1
KUB	Remaining Valves	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KUA68 AP001	Sample Backfeed Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KUB10 BZ001	Sample Box	NS	N/A	NSC	No	UKA	Manufacturer Standards

Table 3.2.2-1—Classification Summary
Sheet 128 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KUB10 AN001	Sample Box Ventilation Fan	NS	N/A	NSC	No	UKA	ASME AG-1 ¹⁴
30KUA67/70/80 BZ001	Sample Boxes	NS	N/A	NSC	No	UKA	Manufacturer Standards
30KUA62/63/64/65 AC001	Sample Chillers	NS	D	NSC	No	UKA	ASME VIII ⁸
30KUA68 BB001	Sample Collecting Vessel	NS	D	NSC	No	UKA	ASME VIII ⁸
30KUA70 AC001	Sample Heat Exchanger	NS	D	NSC	No	UKA	ASME VIII ⁸
30KUA69 AP002-004	Sample Pumps	NS	D	NSC	No	UJH	Manufacturer Standards
30KUB10 BB001	Slightly Active Sample Storage Tank	NS	D	NSC	No	UKA	ASME VIII ⁸
30KUA65 GH001	Thermostat	NS	N/A	NSC	No	UKA	Manufacturer Standards
KUF	Valves	NS	D	NSC	No	UKA	ANSI/ASME B31.1 ⁶
KUA66	Ventilation Piping	NS	E	NSC	No	UKA	Manufacturer Standards
KUL	Severe Accident Sampling System						
30KUL53 BZ001	Backfeeding Module	NS-AQ	D	NSC	No	4UJH	Manufacturer Standards RG 1.21 ²⁵ NUREG-0737 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 129 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KUL51 AA001	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30KUL52 AA002	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30KUL51/52 AA003	Containment Isolation Valves	S	B	I	Yes	4UJH	ASME Class 2 ²
30KUL54 BZ001	Gas Sampling Module	NS-AQ	D	NSC	No	4UJH	Manufacturer Standards RG 1.21 ²⁵ NUREG-0737 ²⁵
KUL	Piping and Valves in 4UJH	NS-AQ	D	NSC	No	4UJH	ANSI/ASME B31.1 ⁶ RG 1.21 ²⁵ NUREG-0737 ²⁵
KUL	Piping and Valves in UFA	NS-AQ	D	NSC	No	UFA	ANSI/ASME B31.1 ⁶ RG 1.21 ²⁵ NUREG-0737 ²⁵
KUL	Piping and Valves in UJA	NS-AQ	D	NSC	No	UJA	ANSI/ASME B31.1 ⁶ RG 1.21 ²⁵ NUREG-0737 ²⁵
30KUL51/52 BZ001	Pool Samplers	NS-AQ	D	NSC	No	UJA	Manufacturer Standards RG 1.21 ²⁵ NUREG-0737 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 130 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KUL58 AP001	Proportioning Pump	NS-AQ	D	NSC	No	UFA	Manufacturer Standards RG 1.21 ²⁵ NUREG-0737 ²⁵
30KUL60 BZ001	Sample Box	NS-AQ	N/A	NSC	No	UFA	Manufacturer Standards RG 1.21 ²⁵ NUREG-0737 ²⁵
30KUL55 BZ001	Scrubbing Liquid Sampling Module	NS-AQ	D	NSC	No	4UJH	Manufacturer Standards RG 1.21 ²⁵ NUREG-0737 ²⁵
30KUL58 BB001	Sodium Hydroxide Tank	NS-AQ	D	NSC	No	UFA	API 620 ¹⁰ RG 1.21 ²⁵ NUREG-0737 ²⁵
30KUL56 BZ001	Sump Sampling Module	NS-AQ	D	NSC	No	4UJH	Manufacturer Standards RG 1.21 ²⁵ NUREG-0737 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 131 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
XJA, XKA, XJG, XJN XJQ, XJR, XJV, XJX (10/20/30/40), CXN (10/11/20/21/30/31/40/41)	Emergency Diesel Generator Set						
30XKA10/20/30/40 AG001	AC Synchronous Generator	S	N/A	I	Yes	UBP	IEEE 387; NEMA MG 1-2003; IEEE 112
30XJG10/20/30/40	Engine Cooling System Pressure Retaining Components	S	C	I	Yes	UBP	ASME Class 3 ³
30XJG10/20/30/40	Engine Cooling System Jacket Water Standby Heater Circuit Components	NS-AQ	D	II	Yes	UBP	ASME VIII8, ANSI/ASME B31.1 ⁶ , Manufacturer Standards, RG 1.29 ²⁵
30XJN10/20/30/40	Fuel Oil System Pressure Retaining Components	S	C	I	Yes	UBP	ASME Class 3 ³
30XJN10/20/30/40	Fuel Oil System Pump Discharge Test Lines	NS-AQ	D	II	Yes	UBP	ANSI/ASME B31.1 (6), RG 1.29 ²⁵
30XJQ10/20/30/40	Combustion Air System Pressure Retaining Components	S	C	I	Yes	UBP	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 132 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30XJQ10/20/30/40	Combustion Air System Intake Pressure Retaining Components	S	C	I	Yes	UBP	ASME Class 3 ³
30XJR10/20/30/40	Exhaust Gas System Piping	S	C	I	Yes	UBP	ASME Class 3 ³
30XJR10/20/30/40	Exhaust Gas System Piping and Pressure Retaining Components outside of UBP	NS	E	NSC	No	UZT	ANSI/ASME B31.1 ⁶ , Manufacturer Standards
30XJV10/20/30/40	Lube Oil System Pressure Retaining Components	S	C	I	Yes	UBP	ASME Class 3 ³
30XJV10/20/30/40	Lube Oil System Keep-warm/Prelube System Pressure Retaining Components	NS-AQ	D	II	Yes	UBP	ASME VIII8, ANSI/ASME B31.1 ⁶ , Manufacturer Standards, RG 1.29 ²⁵
30XJX10/20/30/40	Starting Air System Pressure Retaining Components	S	C	I	Yes	UBP	ASME Class 3 ³
30XJX10/20/30/40	Starting Air System Compressor and Associated Pressure Retaining Components	NS-AQ	D	II	Yes	UBP	ASME VIII8, ANSI/ASME B31.1 ⁶ , Manufacturer Standards, RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 133 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30XJX10/20/30/40	Starting Air System Pipe (from compressor inlet filter to receiver inlet check valves)	NS-AQ	D	II	Yes	UBP	ANSI/ASME B31.1 ⁶ , RG 1.29 ²⁵
30CXN10/20/30/40	Control Switches, Relays, and Safety-related Sensors (Engine and Auxiliary System - Thermal, Pressure, Level)	S	N/A	I	Yes	UBP	IEEE 323
30CXN10/20/30/40	Sensors (Engine and Auxiliary System - Thermal, Pressure, Level)	NS	N/A	NSC	N	UBP	Manufacturer Standards
30CXN10/20/30/40	Control Panels	S	N/A	I	Yes	UBP	IEEE 420
30XJA10/20/30/40 AV100	Diesel Engine	S	N/A	I	Yes	UBP	IEE 387, Manufacturer Standards
XJA, XKA, XJG, XJN, XJQ, XJR, XJR, XJX (50/80), CXN (50/51/80/81)	Station Blackout Diesel Generator Set						
30XKA50/80 AG001	AC Synchronous Generator	NS-AQ	N/A	NSC	No	UBA	IEEE 387, NEMA MG 1-2003, IEEE 112 RG 1.155 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 134 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30CXN50/80	Control Panels	NS-AQ	N/A	NSC	No	UBA	IEEE 420 RG 1.155 ²⁵
30XJA50/80 AV100	Diesel Engine	NS-AQ	N/A	NSC	No	UBA	IEEE 387, Manufacturer Standards RG 1.155 ²⁵
30XJG50/80	Engine Cooling System Pressure Retaining Components	NS-AQ	D	NSC	No	UBA	ASME VIII8, ANSI/ ASME B31.1 ⁶ , Manufacturer Standards, API 650 (11), RG 1.155 ²⁵
30XJN50/80	Fuel Oil System Pressure Retaining Components	NS-AQ	D	NSC	No	UBA	ASME VIII8, ANSI/ ASME B31.1 ⁶ , API 650 (11), Manufacturer Standards, RG 1.155 ²⁵
30XJQ50/80	Combustion Air System Pressure Retaining Components	NS-AQ	D	NSC	No	UBA	ANSI/ASME B31.1 ⁶ , Manufacturer Standards, RG 1.155 ²⁵
30XJR50/80	Exhaust System Pressure Retaining Components	NS-AQ	D	NSC	No	UBA	ANSI/ASME B31.1 ⁶ , Manufacturer Standards, RG 1.155 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 135 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30XJV50/80	Lube Oil System Pressure Retaining Components	NS-AQ	D	NSC	No	UBA	ASME VIII8, ANSI/ASME B31.1 ⁶ , Manufacturer Standards, RG 1.155 ²⁵
30XJX50/80	Starting Air System Pressure Retaining Components	NS-AQ	D	NSC	No	UBA	ASME VIII8, ANSI/ASME B31.1 ⁶ , Manufacturer Standards, RG 1.155 ²⁵
30CXN50/80	Control Switches, Relays, and Sensors	NS-AQ	N/A	NSC	No	UBA	Manufacturer Standards, RG 1.155 ²⁵
XKA, XJA (60)	Extended Loss of AC Power Diesel Generator						
30XKA60 AG100	AC Synchronous Generator	NS-AQ	N/A	CS	No	USG	NEMA MG 1-2003, IEEE 112, ASCE 43-05, RG 1.189 ²⁵
30XJA60 AV100	Diesel Engine (Including Auxiliaries)	NS-AQ	N/A	CS	No	USG	ASCE 43-05, RG 1.189 ²⁵
KPC	Solid Waste System						
KPC	All Other Equipment	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPC20 BB001	Concentrate Buffer Tank	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ RW-IIa
30KPC20 AP001	Concentrate Recirculation Pump	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa

Table 3.2.2-1—Classification Summary
Sheet 136 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KPC50 AP001	Condensate Collection Pump	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPC50 BB001	Condensate Collection Tank	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPC30/40/50 BB001	Drum Drying Stations	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPC60 AP001	High Pressure Cleaning Device	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPC10 BB001	Resin Proportioning Tank	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPC50 BB002	Scrubber Tank	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPC60 BZ001	Vacuum Unit	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ RW-IIa
KPK, KPF	Liquid Waste Storage & Processing System						
KPF, KPK	All Pumps (excluding 30KPK26/27 AP001)	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
KPF, KPK	All Tanks (excluding 30KPK21/22 BB001)	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPK21/22 BB001	Monitoring Tanks	NS-AQ	D	CS	No	UKS	RG 1.143 ²⁵ , RW-IIc
30KPK26/27 AP001	Recirculation and Discharge Pumps	NS-AQ	D	CS	No	UKS	RG 1.143 ²⁵ , RW-IIc
30KPK41/42/43/44 AM001	Chemical Tank Agitators	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa

Table 3.2.2-1—Classification Summary
Sheet 137 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KPK31/32/33 AM001	Concentrate Tank Agitators	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPF51 AT001	Decanter with Filling Station (Centrifuge Plant)	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPF11 AC002	Evaporator	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPF11 AT001	Evaporator Column	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPF52 AT001	Separator (Centrifuge Plant)	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPF53 AM001	Sludge Tank Agitator	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPK11/12/13/14/15 AM001	Storage Tank Agitators	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
30KPF11 AN001	Vapor Compressor	NS-AQ	D	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
KPF	Vendor Supplied Demineralizer System	NS-AQ	N/A	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa
KPL	Gaseous Waste Processing System						
30KPL30 BB001	Condensate Collecting Tank	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL84 BR004/005	Containment Isolation Piping	S	B	I	Yes	UFA, UJA	ASME Class 2 ²
30KPL85 BR006/007	Containment Isolation Piping	S	B	I	Yes	UFA, UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 138 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KPL84 AA002/003	Containment Isolation Valves	S	B	I	Yes	UFA, UJA	ASME Class 2 ²
30KPL85 AA003/004	Containment Isolation Valves	S	B	I	Yes	UFA, UJA	ASME Class 2 ²
30KPL85 AA202	Containment Penetration Test Connection Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30KPL50 AT001-003	Delay Beds	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL11 AC001	Gas Cooler	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL01 AC001	Gas Drier	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL70 AT001	Gas Filter	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL40 AT001	Gel Drier	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL05 AN003	Measuring Gas Compressor	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL05/06 AN001/002	Measuring Gas Compressors	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL05/06 AC001	Measuring Gas Driers	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL30 AC001	Pre-drier	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL11 AT001	Recombiner	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa

Table 3.2.2-1—Classification Summary
Sheet 139 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
KPL	Remaining Piping	NS-AQ	D	RS	No	UJA, UJH, UFA, UKA	RG 1.143 ²⁵ , RW-IIa
KPL	Remaining Valves	NS-AQ	D	RS	No	UJA, UJH, UFA, UKA	RG 1.143 ²⁵ , RW-IIa
30KPL21/22 AC001	Sealing Liquid Coolers	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL21/22 BB001	Sealing Liquid Tanks	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
30KPL21/22 AN001	Waste Gas Compressors	NS-AQ	D	RS	No	UKA	RG 1.143 ²⁵ , RW-IIa
KLK	Sampling Activity Monitoring Systems						
30KLK70/90 AN	Compressor Fan Units KLK70 AN005, KLK70 AN006, KLK90 AN003, and KLK90 AN004	NS	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶
KLK	KLK System piping components used to support the Leak Detection System (30KLK05)	NS-AQ	D	I	Yes	UJA	ANSI/ASME B31.1. RG 1.45 ²⁵
30KLK10/12/20/37 BR001/002 30KLK12 AA001/002 30KLK20/37 AH001/002	KLK System piping components that physically interface with safety related HVAC ducts	NS-AQ	D	II	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 140 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
KLK	Remainder of KLK System Piping Components	NS	E	NSC	No	UFA, UJA, UJK, UKA, UKE, UKS	ANSI/ASME B31.1 ⁶
30KLK65/66 CR001/002	Radioactivity Monitors	S	N/A	I	Yes	UJK	
30KLK05 CR001/031/071/561	Radioactivity Monitors Used to Support the Leak Detection System	NS-AQ	N/A	I	Yes	UJA	RG 1.45 ²⁵
30KLK13/37/38 CR001/002 30KLK95CR001/002	Radioactivity monitors that physically interface with safety related HVAC ducts and vent stack	NS-AQ	N/A	II	Yes	UFA UKH	RG 1.29 ²⁵
30KLK30/31/32/34/35/36 CR001/031/071	Radioactivity Monitors	NS-AQ	N/A	NSC	No	UKA	RG 4.15
30KLK50/52 CR031/071	Radioactivity Monitors	NS-AQ	N/A	NSC	No	UKA	RG 4.15
30KLK21 CR001/002	Radioactive Monitors for the Annulus Ventilation System	NS-AQ	N/A	I	Yes	UFA	RG 1.97 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 141 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
KLK	Remainder of KLK System Radioactivity Monitors	NS	N/A	NSC	No	UFA, UJA, UJK, UKA, UKE, UKS	
POWER CONVERSION SYSTEMS							
LB, MAN	Main Steam System						
30LBA13/23/33/43 BP701	Flow Orifices	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LBA10/20/30/40 AA342-344	Flow Transmitter Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30LBA10/20/30/40 AA441	Main Steam Isolation Bypass Drain Valves - 1	S	B	I	Yes	UJE	ASME Class 2 ²
30LBA10/20/30/40 AA442	Main Steam Isolation Bypass Drain Valves - 2	S	C	I	Yes	UJE	ASME Class 3 ³
30LBA10/20/30/40 AA444	Main Steam Isolation Bypass Drain Valves - 3	S	C	I	Yes	UJE	ASME Class 3 ³
30LBA14/24/34/44 CG101	Main Steam Isolation Bypass Shutoff Valve 2 Position Sensors	NS-AQ	N/A	II	Yes	UJE	RG 1.29 ²⁵
30LBA10/20/30/40 AA002	Main Steam Isolation Valves	S	B	I	Yes	UJE	ASME Class 2 ²
30LBA10/20/30/40 BR442/443/444	Main Steam Piping	S	C	I	Yes	UJE	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 142 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LBA10/20/30/40 BR445	Main Steam Piping	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LBA11/21/31/41 BR441	Main Steam Piping	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LBA12/22/32/42 BR441	Main Steam Piping	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LBA13/23/33/43 BR301	Main Steam Piping	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LBA13/23/33/43 BR441/442	Main Steam Piping	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LBA14/24/34/44 BR002	Main Steam Piping	S	C	I	Yes	UJE	ASME Class 3 ³
30LBA13/23/33/43 CG807-809	Main Steam Relief Control Valve Position Sensors	S	N/A	I	Yes	UJE	
30LBA13/23/33/43 AA101	Main Steam Relief Control Valves	S	B	I	Yes	UJE	ASME Class 2 ²
30LBA13/23/33/43 AA001	Main Steam Relief Isolation Valves	S	B	I	Yes	UJE	ASME Class 2 ²
30LBA11/21/31/41 CG191	Main Steam Safety Valve Position Sensors	S	N/A	I	Yes	UJE	

Table 3.2.2-1—Classification Summary
Sheet 143 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LBA12/22/32/42 CG191	Main Steam Safety Valve Position Sensors	S	N/A	I	Yes	UJE	
30LBA11/21/31/41 AA191	Main Steam Safety Valves	S	B	I	Yes	UJE	ASME Class 2 ²
30LBA12/22/32/42 AA191	Main Steam Safety Valves	S	B	I	Yes	UJE	ASME Class 2 ²
30JMK10 BQ110	Main Steam Train 1 Containment Penetration	S	B	I	Yes	UJA	ASME Class 2 ²
30JMK20 BQ208	Main Steam Train 2 Containment Penetration	S	B	I	Yes	UJA	ASME Class 2 ²
30JMK30 BQ307	Main Steam Train 3 Containment Penetration	S	B	I	Yes	UJA	ASME Class 2 ²
30JMK40 BQ410	Main Steam Train 4 Containment Penetration	S	B	I	Yes	UJA	ASME Class 2 ²
30LBA14/24/34/44 AA101	Main Steam Warming Control Valves (MSWCV)	S	C	I	Yes	UJE	ASME Class 3 ³
30LBA14/24/34/44 AA001	Main Steam Warming Isolation Valves (MSWIV)	S	B	I	Yes	UJE	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 144 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LBA13/23/33/43 BR003	MSRT Discharge Piping	S	C	I	Yes	UJE	ASME Class 3 ³
30LBA11/21/31/41 BR192	MSSV Discharge Piping	S	C	I	Yes	UJE	ASME Class 3 ³
30LBA12/22/32/42 BR192	MSSV Discharge Piping	S	C	I	Yes	UJE	ASME Class 3 ³
30LBA10/20/30/40 AA311/321/331/341	Pressure Transmitter Isolation Valves	S	B	I	Yes	UJE	ASME Class 2 ²
30LBA13/23/33/43 AA301	Pressure Transmitter Isolation Valves	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LBA10/20/30/40 CP401	Pressure Transmitters	NS-AQ	N/A	II	Yes	UJE	RG 1.29 ²⁵
30LBA13/23/33/43 CP401	Pressure Transmitters	NS-AQ	N/A	II	Yes	UJE	RG 1.29 ²⁵
30LBA10/20/30/40 CP811/821/831/841	Pressure Transmitters - Reactor Safety	S	N/A	I	Yes	UJE	
30LBA10/20/30/40 CR811/821/831/841	Radiation Monitors - Reactor Safety	S	N/A	I	Yes	UJE	
30LBA13/23/33/43 BS001	Silencers	S	C	I	Yes	UJT (Roof of 1UJE, 4UJE)	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 145 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LBA10/20/30/40 CT401	Temperature Sensors - Acceptance Testing - Thermowell Only	S	B	I	Yes	UJE	ASME Class 2 ²
30LBA10/20/30/40 CT002	Temperature Sensors - Binary Measurement - Thermowell Only	S	B	I	Yes	UJE	ASME Class 2 ²
30LBA10/20/30/40 AA501/502	Vent Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30MAN11/13/21/23/31/33 AA051	Turbine Bypass Valves	NS	E	NSC	No	UMA	ANSI/ASME B31.1 ⁶
LBA	Main Steam Piping 30LBA/10/20/30/40 BR001/002 and Other Piping Directly Connected within UJA, UJE, and UJH	S	B	I	Yes	UJA, UJE, UJH	ASME Class 2 ²
LBA	Balance of LBA Piping within UJA, UJE, and UJH (Miscellaneous Vents and Drains, etc.)	NS-AQ	D	II	Yes	UJA, UJE, UJH	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
LB	Balance of LB System	NS	N/A	NSC	No	UMA, UMY	ANSI/ASME B31.1 ⁶
MAA, MAB, MAC	Main Turbine Generator	NS	N/A	NSC	No	UMA	

Table 3.2.2-1—Classification Summary
Sheet 146 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
LCQ	Steam Generator Blowdown System						
LCQ	All LCQ Piping and Valves in 2UJE Downstream of Outer Containment Isolation Valve	NS-AQ	D	CS	No	2UJE	ANSI/ASME B31.3 ⁹ , ANSI/ASME B16.34 ⁷ , RG 1.143 ²⁵ , RW-IIc
LCQ	All LCQ Piping and Valves in 4UJH Downstream of Outer Containment Isolation Valve	NS-AQ	D	II	Yes	4UJH	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , Safety-Related piping in close proximity RG 1.29 ²⁵
30LCQ51 AC001/002	First Stage Blowdown Coolers	S	B	I	Yes	UJA	ASME Class 2 ²
30LCQ51 AA002	Inner Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30LCQ52 AA001	Inner Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30LCQ10 AA012/013	SG 1 & 2 Transfer Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30LCQ30 AA012/013	SG 3 & 4 Transfer Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30LCQ51 AA003	Outer Containment Isolation Valve	S	B	I	Yes	4UJH	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 147 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LCQ52 AA002	Outer Containment 1st Isolation Valve	S	B	I	Yes	2UJE	ASME Class 2 ²
30LCQ52AA005	Outer Containment 2nd Isolation Valve	S	B	I	Yes	2UJE	ASME Class 2 ²
30LCQ51 AC003/004	Second Stage Blowdown Coolers	NS-AQ	D	CS	No	UKA	ASME VIII ⁸ , RG 1.143 ²⁵ , RW-IIc
30LCQ50 BB001	Steam Generator Blowdown Flash Tank	S	B	I	Yes	UJA	ASME Class 2 ²
30LCQ52 AA191	Steam Generator Blowdown Flash Tank Safety Relief Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30LCQ10/20/30/40 AA104	Steam Generator Blowdown Flow Rate Adjusting Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30LCQ10/20/30/40 AA002	Steam Generator Cold Leg Blowdown Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30LCQ10/20/30/40 AA003	Steam Generator Common Leg Blowdown Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 ²
30LCQ10/20/30/40 AA001	Steam Generator Hot Leg Blowdown Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 148 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
LCQ	UMY, UKA and UMA Piping and Valves	NS-AQ	D	CS	No	UMY, UMA, UKA	ANSI/ASME B31.3 ⁹ , ANSI/ASME B16.34 ⁷ , RG 1.143 ²⁵ , RW-IIc
LCQ	All LCQ Piping Upstream of Outer Containment Isolation Valves	S	B	I	YES	UJA, 2UJE, 4UJH	ASME Class 2 ²
LA	Feedwater System						
LA	Balance of Feedwater System	NS	N/A	NSC	No	UMY, UMA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , ASME VIII ⁸
30LAB60/70/80/90 AA003	Check Valves Upstream of Steam Generators	S	B	I	Yes	UJA	ASME Class 2 ²
30LAB64/74/84/94 AA301/302	Differential Pressure Transmitter Isolation Valves	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB60/70/80/90 CP209	Differential Pressure Transmitters Across FLCVs	NS	N/A	NSC	No	UJE	
30LAB64/74/84/94 CP701-703	Differential Pressure Transmitters Across VLLCVs	NS	N/A	NSC	No	UJE	

Table 3.2.2-1—Classification Summary
Sheet 149 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LAB60/70/80/90 AA309/310	Differential Pressure Transmitters Isolation Valves	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB60/70/80/90 AA401	Drain Valves Downstream of FLCVs	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB60/70/80/90 AA403	Feedwater Drain Valves Between Check Valves and SGs	S	B	I	Yes	UJA	ASME Class 2 ²
30JMK60/70/80/90 BQ109	Feedwater Line Containment Penetrations	S	B	I	Yes	UJB	ASME Class 2 ²
30LAB60/70/80/90 BR307	Feedwater Piping	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB60/70/80/90 BR309/310	Feedwater Piping	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB60/70/80/90 BR401/501	Feedwater Piping	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB60/70/80/90 BR403	Feedwater Piping	S	B	I	Yes	UJA	ASME Class 2 ²
30LAB64/74/84/94 BR301/302	Feedwater Piping	S	C	I	Yes	UJE	ASME Class 3 ³
LAB	Feedwater Piping From Fix Point to MFWIV	S	C	I	Yes	UJK, UJE	ASME Class 3 ³
LAB	Feedwater Piping From MFWIV to SG Nozzle	S	B	I	Yes	UJE, UJB, UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 150 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LAB60/70/80/90 GC701-703	Full Load Control Valve Position Sensors	NS-AQ	N/A	II	Yes	UJE	RG 1.29 ²⁵
30LAB60/70/80/90 AA101	Full Load Control Valves	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB60/70/80/90 AA001	Full Load Isolation Valves	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB64/74/84/94 CG701-703	Low Load Control Valve Position Sensors	NS-AQ	N/A	II	Yes	UJE	RG 1.29 ²⁵
30LAB64/74/84/94 AA101	Low Load Control Valves	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB64/74/84/94 AA001	Low Load Isolation Valves	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB60/70/80/90 AA002	Main Isolation Valves	S	B	I	Yes	UJE	ASME Class 2 ²
30LAB60/70/80/90 CP407	Pressure Transmitter Downstream of Flow Meters	NS	N/A	NSC	No	UJE	
30LAB60/70/80/90 AA307	Pressure Transmitter Isolation Valves	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB60/70/80/90 CT708	Temperature Sensor Downstream of Flow Meters	S	N/A	I	Yes	UJE	
30LAB60/70/80/90 CT762	Temperature Sensors Downstream of FL/LL Junctions	S	N/A	I	Yes	UJE	

Table 3.2.2-1—Classification Summary
Sheet 151 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LAB60/70/80/90 CT763	Temperature Sensors Downstream of FL/LL Junctions	S	N/A	I	Yes	UJE	
30LAB60/70/80/90 AA501	Vent Valves Downstream of FLCVs	S	C	I	Yes	UJE	ASME Class 3 ³
30LAB64/74/84/94 CG704-706	Very Low Load Control Valve Position Sensors	NS-AQ	N/A	II	Yes	UJE	RG 1.29 ²⁵
30LAB64/74/84/94 AA102	Very Low Load Control Valves	S	C	I	Yes	UJE	ASME Class 3 ³
MAG	Main Condenser	NS	N/A	NSC	No	UMA	
LC, LD	Condensate System						
LC	Balance of Condensate Piping Inside Containment	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
LC	Balance of Condensate Piping, Excluding Condensate Polishing	NS	E	NSC	No	UMY, UMA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
30LCA90 AA403/408	Condensate Drain Second Isolation Valves	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 ⁶
30LCA90 AA406/410	Condensate Drain Second Isolation Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30JMK10 BQ304/305	Condensate Line Containment Penetrations	S	B	I	Yes	UJB	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 152 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
LC	Condensate Piping Associated With Containment Penetrations	S	B	I	Yes	UJA	ASME Class 2 ²
LC	Condensate Piping From 2UJE to Deaerator	NS	E	NSC	No	UMY, UMA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷
LD	Condensate Polishing	NS	E	NSC	No	UMA	ANSI/ASME B31.1 ⁶ , ANSI/ASME B16.34 ⁷ , ASME VIII ⁸
30LCA90 AA511	Condensate Vent Isolation Valve	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LCA90 AA503/508	Condensate Vent Isolation Valves	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 ⁶
30LCA90 AA009	First Stage Blowdown Cooler Bypass Valve	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LCA90 AA015-017	First Stage Blowdown Cooler Bypass Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LCA90 AA030/031	First Stage Blowdown Cooler Bypass Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LCA90 AA401/402	First Stage Blowdown Cooler Drain Isolation Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 153 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LCA90 AA501/502	First Stage Blowdown Cooler Vent Isolation Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LCA90 AA301-304	Flow Transmitter Isolation Valves	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 ⁶
30LCA90 AA311-314	Flow Transmitter Isolation Valves	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 ⁶
30LCA90 CF001/002/011/012	Flow Transmitters	NS	N/A	NSC	No	2UJE	
30LCA90 AA002	Inbound Condensate Isolation Valve	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 ⁶
LC	Inbound Condensate Piping in 2UJE	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 ⁶
30LCA90 AA004	Inbound Containment Isolation Valve - Inside Containment	S	B	I	Yes	UJA	ASME Class 2 ²
30LCA90 AA003	Inbound Containment Isolation Valve - 1st Outside Containment	S	B	I	Yes	2UJE	ASME Class 2 ²
30LCA90AA020	Inbound Containment Isolation Valve - 2nd Outside Containment	S	B	I	Yes	2UJE	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 154 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LCA90 CG004	Inside Containment Isolation Valve Position Sensor	S	N/A	I	Yes	UJA	
LC	Inside Containment Relief Valve Discharge Piping	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LCA90 AA305	Leak Test Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30LCA90 AA306/ 307	Leak Test Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LCA90 AA010	Outbound Condensate Check Valve	NS	E	NSC	No	UMA	ANSI/ASME B31.1 ⁶
30LCA90 AA007	Outbound Condensate Isolation Valve	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 ⁶
LC	Outbound Condensate Piping in 2UJE	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 ⁶
30LCA90 AA101	Outbound Condensate Temperature Control Valve	NS	E	NSC	No	UMA	ANSI/ASME B31.1 ⁶
30LCA90 AA005	Outbound Containment Isolation Valve - Inside Containment	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 155 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30LCA90 AA006	Outbound Containment Isolation Valve - 1st Outside Containment	S	B	I	Yes	2UJE	ASME Class 2 ²
30LCA90 AA021	Outbound Containment Isolation Valve - 2nd Outside Containment	S	B	I	Yes	2UJE	ASME Class 2 ²
30LCA90 AA195	Pressure Relief Valve	S	B	I	Yes	UJA	ASME Class 2 ²
30LCA90 AA182/184/186/188/191	Pressure Relief Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LCA90 AA310	Pressure Transmitter Isolation Valve	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LCA90 AA320/330	Pressure Transmitter Isolation Valve	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30LCA90 CP002/402/501	Pressure Transmitters	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
30LCA90 CT001/002	Temperature Transmitters	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
30LCA90 CT401-403	Temperature Transmitters	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 156 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
QU	Secondary Sampling System						
QUC	Balance of QUC System	NS	N/A	NSC	No	UFA, UKA	ANSI/ASME B31.1 ⁶
QUS	Circulating Water Sampling System	NS	N/A	NSC	No	UQA	ANSI/ASME B31.1 ⁶
QUE	Condensate Sampling Systems	NS	N/A	NSC	No	UMA	ANSI/ASME B31.1 ⁶
QUP	Cooling System for Secondary Samples	NS	N/A	NSC	No	UMA	ANSI/ASME B31.1 ⁶
QUG	Demineralized Water Supply Sampling System	NS	N/A	NSC	No	UBA	ANSI/ASME B31.1 ⁶
QUA	Feedwater Sampling System	NS	N/A	NSC	No	UMA	ANSI/ASME B31.1 ⁶
QUB	Main Steam Sampling System	NS	N/A	NSC	No	UMA	ANSI/ASME B31.1 ⁶
QUD	Sampling System for Auxiliary Steam and Feedwater	NS	N/A	NSC	No	UMA	ANSI/ASME B31.1 ⁶
QUC	Sampling System for Steam Generator Blowdown System - Containment Penetrations, including Containment Isolation Valves	S	B	I	Yes	UJA, UFA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 157 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
QUC	Sampling System for Steam Generator Blowdown System - Tubing Up to Containment Penetrations	S	B	I	Yes	UJA	ASME Class 2 ²
30QUC11AC001	SECSS (SG) sample cooler	S	C	I	Yes	UFA	ASME Class 3
QUC11	SECSS (SG) sample cooler supply and return piping to the nearest valves	NS-AQ	D	II	Yes	UFA	ASME B31.1
30QUC12AC001	SECSS (SG) sample cooler	S	C	I	Yes	UFA	ASME Class 3
QUC12	SECSS (SG) sample cooler supply and return piping to the nearest valves	NS-AQ	D	II	Yes	UFA	ASME B31.1
30QUC13AC001	SECSS (SG) sample cooler	S	C	I	Yes	UFA	ASME Class 3
QUC13	SECSS (SG) sample cooler supply and return piping to the nearest valves	NS-AQ	D	II	Yes	UFA	ASME B31.1
30QUC14AC001	SECSS (SG) sample cooler	S	C	I	Yes	UFA	ASME Class 3

Table 3.2.2-1—Classification Summary
Sheet 158 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
QUC14	SECSS (SG) sample cooler supply and return piping to the nearest valves	NS-AQ	D	II	Yes	UFA	ASME B31.1
MAJ	Condenser Evacuation System	NS	N/A	NSC	No	UMA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸ , HEI ²¹
MAW	Turbine Gland Steam Sealing System	NS	N/A	NSC	No	UMA	ANSI/ASME B31.1 ⁶ , ASME VIII ⁸
GD	Steam Generator Blowdown Demineralizing System						
GDA	Air Lines Connected to Backwash Air Vessel and Buffer Tank for Pneumatic Valves	NS	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30GDA14 AT010	Backwash Air Vessel	NS	E	NSC	No	UKA	ASME VIII ⁸
GDA	Balance of GDA Piping and Valves	NS-AQ	D	RS	No	UKA	ANSI/ASME B31.3 ⁹ , RG 1.143 ²⁵ , RW-IIa
30GDA20 AT010	Buffer Tank for Pneumatic Valves	NS	E	NSC	No	UKA	ASME VIII ⁸
30GDA10 AT010	Cartridge Filter	NS-AQ	D	RS	No	UKA	ASME VIII ⁸ , RG 1.143 ²⁵ , RW-IIa
30GDA10 AT001	Cation Exchanger	NS-AQ	D	RS	No	UKA	ASME VIII ⁸ , RG 1.143 ²⁵ , RW-IIa

Table 3.2.2-1—Classification Summary
Sheet 159 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30GDA13 AT012	Drain Buffer Tank	NS-AQ	D	RS	No	UKA	ASME VIII ⁸ , RG 1.143 ²⁵ , RW-IIa
30GDA10 AT002	Mixed Bed Exchanger	NS-AQ	D	RS	No	UKA	ASME VIII ⁸ , RG 1.143 ²⁵ , RW-IIa
30GDA10 AT011	Resin Trap	NS-AQ	D	RS	No	UKA	ASME VIII ⁸ , RG 1.143 ²⁵ , RW-IIa
30GDA13 AP001	Waste Water Pump	NS-AQ	D	RS	No	UKA	ASME VIII ⁸ , RG 1.143 ²⁵ , RW-IIa
PA	Circulating Water Supply System	NS	N/A	NSC	No	UMA, UZT	
PG	Turbine Building Closed Cooling Water System	NS	N/A	NSC	No	UMA, UZT	ASME B31.1 ⁶ , ASME VIII ⁸
STRUCTURES							
UFA, UJA, UJB, UJH, UJK, UJE, JM	Nuclear Island Structural System (Fuel, Reactor, Safeguard Buildings)	S	N/A	I	Yes	UFA, UJA, UJB, UJH, UJK, UJE, JM	
JMK	Piping Containment Penetrations	S	B	I	Yes	UJA, UJB	ASME Class 2 ²
JML	Cable Containment Penetrations	S	B	I	Yes	UJA, UJB	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 160 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
UJA	Safety-Related Reactor Building Doors	S	N/A	I	Yes	UJA	Must maintain structural integrity during SSE and opens on dif. pressure to support LBB and subcompartment analysis.
UJA	Non-Safety-Related Reactor Building Doors	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
UJA	Pressurizer Compartment Rupture Foils	NS-AQ	N/A	II	Yes	UJA	RG 1.29 ²⁵
UBP	Emergency Power Generating Buildings	S	N/A	I	Yes	UBP	
URB	Essential Service Water Cooling Tower Structures	S	N/A	I	Yes	URB	
UQB	Essential Service Water Pump Buildings	S	N/A	I	Yes	UQB	
UKA	Nuclear Auxiliary Building	NS-AQ	N/A	RS, II	Yes	UKA	RG 1.143 ²⁵ , RW-IIa RG 1.29 ²⁵
UKS	Radioactive Waste Processing Building	NS-AQ	N/A	RS	No	UKS	RG 1.143 ²⁵ , RW-IIa

Table 3.2.2-1—Classification Summary
Sheet 161 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
UKH	Vent Stack	S	N/A	I	Yes	UKH	
[[UMA, UBA	Turbine Building (Switchgear Building)	NS-AQ	N/A	II	Yes	UMA, UBA]]	RG 1.29 ²⁵
[[UKE	Access Building	NS-AQ	N/A	II	Yes	UKE]]	RG 1.29 ²⁵
[[USG	Fire Protection Building and Fire Water Storage Tanks	NS-AQ	N/A	CS	No	USG	ASCE 7-10, AWWA D100 (Tanks only), RG 1.189 ²⁵]]
SM, SN	Cranes, Hoists, and Elevators						
SMJ06	Assembly Crane	NS-AQ	N/A	II	Yes	UJA	ASME NUM-1 RG 1.29 ²⁵
SM	Balance of Cranes and Hoists	NS	N/A	NSC	No	All	ASME NOG-1, ASME NUM-1
SMB11/12/21/31/41/42	Diesel Hall Cranes	NS-AQ	N/A	II	Yes	UBP	ASME NUM-1 RG 1.29 ²⁵
SMK12	Drum Storage Area Crane	NS	N/A	NSC	No	UKS	ASME NOG-1
SN	Elevators	NS	N/A	NSC	No	UJA	ASME A17.1
SMK11	Entrance Area Crane	NS	N/A	NSC	No	UKS	ASME NOG-1
SMF02/03	Equipment Lock Cranes	NS-AQ	N/A	II	Yes	UFA	ASME NOG-1, ASME NUM-1 RG 1.29 ²⁵
SMK01	Hot Workshop Crane	NS	N/A	NSC	No	UKA	ASME NOG-1

Table 3.2.2-1—Classification Summary
Sheet 162 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
SMK13	Hot Workshop Crane	NS	N/A	NSC	No	UKS	ASME NOG-1
SMJ02/03/04/05	HVAC Equipment Room Cranes	NS-AQ	N/A	II	Yes	UJA	ASME NUM-1 RG 1.29 ²⁵
SMJ32/33/34/35	Main Steam Valve Station Cranes	NS-AQ	N/A	II	Yes	UJH	ASME NUM-1 RG 1.29 ²⁵
SMQ05/06/07/08	Pump Room Cranes	NS-AQ	N/A	II	Yes	UQB	ASME NUM-1 RG 1.29 ²⁵
SMA01	Manual Hoists	NS	N/A	NSC	No	All	ANSI/ASME B30.11, ANSI/ASME B30.21
SMZ01	Outdoor Crane	NS-AQ	N/A	II	Yes	UZT	ASME NOG-1 RG 1.29 ²⁵
SMJ01	Polar Crane	NS-AQ	N/A	II	Yes	UJA	ASME NOG-1 RG 1.29 ²⁵
SMJ07/08/09/10	Steam Generator Cubicle Cranes	NS-AQ	N/A	II	Yes	UJA	ASME NUM-1 RG 1.29 ²⁵
[[UBZ	Buried Conduit Duct Bank	S	N/A	I	Yes	UBZ]]	
HVAC SYSTEMS							
SAB	Main Control Room Air Conditioning System						
30SAB11/14 AT003	Carbon Adsorbers	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/02/03/04 AT004	Moisture Separators	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 163 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAB45 AA004	Downstream Exhaust Air Isolation Damper	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB32 AH001-007	Electric Air Heaters	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
SAB	Safety-Related Fire Dampers	S	N/A	I	Yes	UJK	NFPA 90A ¹⁸ NFPA 80A ²⁰
30SAB11/14 AH001	Electric Heater for Carbon Filter	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB11/14 AA002	ESF Filter Train Backdraft Damper	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB11/14 AA004	ESF Recirc Isolation Damper	S	N/A	I	Yes	UJK	ASME AG-114
30SAB11/14 AA005	ESF Recirc Backdraft Damper	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB11/14 AN001	ESF Filter Train Fans	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB11/14 AA003/AA004	ESF Filter Train Isolation Dampers, Electric Operated	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB45 AN001	Exhaust Fan	NS-AQ	N/A	II	Yes	UJK	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAB01/02/03/04 AA011	Backdraft Dampers	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 164 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAB45 BS001	Exhaust Fan Silencer	NS-AQ	N/A	II	Yes	UJK	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAB45 AA005	Exhaust Air Balancing Damper	NS-AQ	N/A	II	Yes	UJK	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAB01/02/03/04 AT005	Final Filters	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB11/14 AT002	HEPA Filters	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB11/14 AT004	Post Filters	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB11/14 AT005	Moisture Separators	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB11/14 AA001	Isolation Dampers with Electric Actuators	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/04 AA002	Outside Air Inlet Dampers with Electric Operators	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/04 AH001	Outside Air Inlet Electric Heaters - 3 Stage	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/04 AA003/004	Outside Air Inlet Isolation Dampers with Electric Actuators	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/04 AT001	Outside Air Inlet Pre-Filters	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 165 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAB01/04 AA006	Outside Air Inlet Volume Control Dampers, Manually Adjusted	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB11/14 AT001	Pre-Filters	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/02/03/04 AC001	Recirc Air Cooling Coils with Safety Chilled Water	S	C	I	Yes	UJK	ASME Class 3 ³
30SAB01/02/03/04 AA009	Recirculation Unit Isolation Dampers	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/02/03/04 BS003	Silencers on Fan Discharge Side	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/02/03/04 BS002	Silencers on Fan Suctions	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/04 SD001	Smoke Detector	NS-AQ	N/A	II	Yes	UJK	Local Bldg. Code RG 1.29 ²⁵ RG 1.189 ²⁵
30SAB 01/02/03/04 SD002	Smoke Detector	NS-AQ	N/A	II	Yes	UJK	Local Bldg. Code RG 1.29 ²⁵ RG 1.189 ²⁵
30SAB01/02/03/04 AN001	Supply Air Fans	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB45 AA003	Upstream Exhaust Air Isolation Damper	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 166 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAB45 AA006	Exhaust Air Backdraft Damper	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/02/03/04 AA010	Volume Control Dampers, Manually Adjusted for Recirc Unit	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB01/04 AA012	Pressure Control Damper	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB32 AA001/002/003/006/013/015/017	Air Supply Balancing Dampers	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB42 AA001/002	Exhaust Air Recirc Control Damper	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAB42 AA006/009/011/012/014/016	Exhaust Air Balancing Dampers	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
SAC	Electrical Division of Safeguard Building Ventilation System						
30SAC05/08 AC001	Air Cooling Coils - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	ANSI/ASME B31.1 ⁶
30SAC61/62/63/64 AC001/002	Air Cooling Coils - Recirculation Cooling Units	S	C	I	Yes	UJK	ASME Class 3 ³
30SAC01/02/03/04 AC001	Air Cooling Coils - Supply Air System	S	C	I	Yes	UJK	ASME Class 3 ³

Table 3.2.2-1—Classification Summary
Sheet 167 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAC11/14 AH002	Battery Room Air Supply Duct Heaters - Supply and Exhaust Air Shafts	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC11/12/13/14 AH001	Battery Room Air Supply Duct Heaters - Supply and Exhaust Air Shafts	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
SAC	Electric Air Heating Convectors	NS	N/A	NSC	No	UJK	
30SAC05/08 AH002	Electric Heaters - Maintenance Train Supply Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AH002	Electric Heaters - Supply Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC51/52/53/54 AN001	Exhaust Air Fans - Battery/SCWS Room Exhaust	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC51/54 AN002	Exhaust Air Fans - Maintenance Train Battery/SCWS Room Exhaust	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC35/38 AN001	Exhaust Fan - Maintenance Train Exhaust Air	NS	N/A	NSC	No	1UJK, 4UJK	

Table 3.2.2-1—Classification Summary
Sheet 168 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAC31/32/33/34 AN001	Exhaust Fans - Exhaust Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
SAC	Maintenance Supply/ Exhaust Ducts	NS	N/A	NSC	No	UJK	
30SAC35/38 AA001/004	Manual Isolation Damper - Maintenance Train Exhaust Air	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC51/52/53/54 AA001	Manual Isolation Dampers - Battery/ SCWS Room Exhaust	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC31/32/33/34 AA001/004	Manual Isolation Dampers - Exhaust Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC51/54 AA004	Manual Isolation Dampers - Maintenance Train Battery/SCWS Room Exhaust	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC05/08 AA002	Manual Isolation Dampers - Maintenance Train Supply Air	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC01/02/03/04 AA002	Manual Isolation Dampers - Supply Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 169 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAC11/15 AA003/005	Manual Isolation Dampers between Safety and Maintenance Trains	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC41/44 AA005	Manual Volume Control Dampers - Battery/ SCWS Room Exhaust	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC42/43 AA004	Manual Volume Control Dampers - Battery/ SCWS Room Exhaust	S	N/A	I	Yes	2UJK, 3UJK	ASME AG-1 ¹⁴
30SAC21/24 AA014	Manual Volume Control Dampers - Exhaust Air System	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC22/23 AA029	Manual Volume Control Dampers - Exhaust Air System	S	N/A	I	Yes	2UJK, 3UJK	ASME AG-1 ¹⁴
30SAC21/22/23/24 AA009	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC21/24 AA010	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC22/23 AA009/011/012/020	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	2UJK, 3UJK	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 170 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAC42/43 AA002	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	2UJK, 3UJK	ASME AG-1 ¹⁴
30SAC11/14 AA013	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC11/14 AA018/020/023	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC12/13 AA027/028/029/031	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	2UJK, 3UJK	ASME AG-1 ¹⁴
30SAC11/12/13/14 AA001/014/025	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC05/08 AT006	Moisture Separators - Maintenance Train Supply Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC61/62/63/64 AT001/002	Moisture Separators - Recirculation Cooling Units	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC01/02/03/04 AT006	Moisture Separators - Supply Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 171 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAC51/52/53/54 AA003	Motor Operated Isolation Dampers - Battery/SCWS Room Exhaust	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC51/54 AA006	Motor Operated Isolation Dampers - Maintenance Train Battery/SCWS Room Exhaust	S	N/A	I	Yes	1UJK, 4UJK	ASME AG-1 ¹⁴
30SAC35/38 AA002	Motor Operated Volume Control Damper - Maintenance Train Exhaust Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC31/32/33/34 AA002	Motor Operated Volume Control Dampers - Exhaust Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC05/08 AA003/004	Motor Operated Volume Control Dampers - Maintenance Train Supply Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AA003/004	Motor Operated Volume Control Dampers - Supply Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 172 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAC41/42/43/44 AA001	Motor Operated Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC22/23 AA015	Motor Operated Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	2UJK, 3UJK	ASME AG-1 ¹⁴
30SAC12/13 AA020	Motor Operated Volume Control Dampers - Supply and Exhaust Air Shafts	S	N/A	I	Yes	2UJK, 3UJK	ASME AG-1 ¹⁴
30SAC35/38 AA003	Non-Return Damper - Maintenance Train Exhaust Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC51/52/53/54 AA002	Non-return Dampers - Battery/SCWS Room Exhaust	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC31/32/33/34 AA003	Non-return Dampers - Exhaust Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC51/54 AA005	Non-Return Dampers - Maintenance Train Battery/SCWS Room Exhaust	NS	N/A	NSC	No	1UJK, 4UJK	

Table 3.2.2-1—Classification Summary
Sheet 173 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAC05/08 AA005	Non-return Dampers - Maintenance Train Supply Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AA005	Non-return Dampers - Supply Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
SAC	Non-Safety Related Fire Dampers and Ducts	NS	N/A	NSC	No	UJK	NFPA 90A ¹⁸ , NFPA 80 ²⁰
30SAC05/08 AT004	Pre-Filters - Maintenance Train Supply Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AT004	Pre-Filters - Supply Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC61/62/63/64 AN001/002	Recirculation Fans - Recirculation Cooling Units	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC05/08 AT005	Roughing Filters - Maintenance Train Supply Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AT005	Roughing Filters - Supply Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
SAC	Safety Related Fire Dampers and Ducts	S	N/A	I	Yes	UJK	NFPA 90A ¹⁸ , NFPA 80 ²⁰
30SAC01/02/03/04 BS001	Silencer on Fan Suctions - Supply Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 174 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAC05/08 BS002	Silencers on Fan Discharges - Maintenance Train Supply Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 BS002	Silencers on Fan Discharges - Supply Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
30SAC05/08 BS001	Silencers on Fan Suctions - Maintenance Train Supply Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC05/08 AN001	Supply Air Fans - Maintenance Train Supply Air	NS	N/A	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AN001	Supply Air Fans - Supply Air System	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
SAC	Supply Duct and Dampers not assigned to Electrical and I&C Rooms	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
SAC	Supply Duct and Dampers to Electrical and I&C Rooms	S	N/A	I	Yes	UJK	ASME AG-1 ¹⁴
SAC	Toilet Exhaust Components - Maintenance Train	NS	N/A	NSC	No	1UJK, 4UJK	

Table 3.2.2-1—Classification Summary
Sheet 175 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
KLC	Safeguard Building Controlled Area Ventilation System						
30KLC41/42 AT003	Carbon Adsorbers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLC45 AA005/006	Dampers, Containment Building Isolation	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC45 AA003/004	Dampers, Fuel Building Isolation	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC31/32/33/34 AA001/003	Dampers, Isolation Accident Exhaust	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC11/14 AA007	Dampers, Isolation Div 1/4 JN room	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC21/24 AA005	Dampers, Isolation Div 1/4 JN room	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC22 AA010	Dampers, Isolation Div 2 personnel air lock exhaust	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC12 AA009/010	Dampers, Isolation Div 2 personnel air lock supply	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC24 AA002	Damper, Isolation Div 4 KUL room	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC24 AA003-004	Dampers, Isolation Div 4 JMQ rooms	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC21/22/23/24 AA007/008	Dampers, Isolation Operational Exhaust	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 176 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLC21/24 AA010	Dampers, Isolation Operational Exhaust	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC11/12/13/14 AA004/005	Dampers, Isolation Operational Supply	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC45 AA001/002	Dampers, Safeguard Building Isolation	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC21/22/23/24 AA006	Dampers, Volume Control Operational Exhaust	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC11/12/13/14 AA003	Dampers, Control Operational Supply	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC41/42 AN001	Exhaust Fans for KLC filtration Units	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
KLC	Fire Dampers	S	N/A	I	Yes	UJH, UFA	NFPA 90A ¹⁸ , NFPA 80 ²⁰
30KLC41/42 AH001	Heaters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLC41/42 AT002	HEPA Filters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLC41/42 AT004	Post Filters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLC41/42 AT005	Moisture Separators	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLC41/42 AA001	Inlet Tight Isolation Dampers with Electric actuator	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 177 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLC51/54 AT003	Moisture Separator	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC51/52/53/54 AT001	Moisture Separators	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC51/52/53/54 AT002	Moisture Separators	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC41/42 AA003	Non-Return Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLC41/42 AT001	Pre-Filter	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLC51/52/53/54 AC001	Recirculation Cooling Units	S	C	I	Yes	UJH	ASME AG-1 ¹⁴ , ASME Class ³
30KLC51/52/53/54 AC002	Recirculation Cooling Units	S	C	I	Yes	UJH	ASME AG-1 ¹⁴ , ASME Class ³
30KLC51/54 AC003	Recirculation Cooling Units	S	C	I	Yes	UJH	ASME AG-1 ¹⁴ , ASME Class ³
30KLC51/52/53/54 AN001	Recirculation Fans	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC51/52/53/54 AN002	Recirculation Fans	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC51/54 AN003	Recirculation Fans	S	N/A	I	Yes	UJH	ASME AG-1 ¹⁴
30KLC12 AH001	Room Heater	NS	N/A	NSC	No	UJH	
30KLC11/14 AH001/002	Room Heaters	NS	N/A	NSC	No	UJH	

Table 3.2.2-1—Classification Summary
Sheet 178 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLC12/13 AH002-006	Room Heaters	NS	N/A	NSC	No	UJH	
SAD	Emergency Power Generating Building Ventilation System						
30SAD11/21/31/41-AA001/AA002	Backdraft Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD11/21/31/41-AA003	Backdraft Dampers	NS-AQ	N/A	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAD15/25/35/45-AA001/AA002	Backdraft Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD15/25/35/45-AA003	Backdraft Dampers	NS-AQ	N/A	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAD13/23/33/43-AA010	Backdraft Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD16/26/36/46-AA001/AA005	Backdraft Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD11/21/31/41-AT001/AT002	Pre-filters	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD11/21/31/41-AT003	Pre-filters	NS-AQ	N/A	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAD13/23/33/43-AT001	Pre-filters	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 179 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAD13/23/33/43-AT004	Pre-filters	NS-AQ	N/A	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAD11/21/31/41-AN001/AN002	Supply Air Fans	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD11/21/31/41-AN003	Supply Air Fans	NS-AQ	N/A	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAD13/23/33/43-AN001	Supply Air Fans	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD13/23/33/43-AN002	Supply Air Fans	NS-AQ	N/A	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAD11/21/31/41-AA004	Motor Operated Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD15/25/35/45-AA004	Motor Operated Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD13/23/33/43-AA007	Motor Operated Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD16/26/36/46-AA007/AA008	Motor Operated Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD11/21/31/41-AA005	Manual Dampers	NS-AQ	N/A	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 180 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAD12/22/32/42-AA001/AA002/AA003/AA004/AA005	Manual Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD13/23/33/43-AA002	Manual Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD13/23/33/43-AA008/AA009	Manual Dampers	NS-AQ	N/A	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAD16/26/36/46-AA003/AA004	Manual Dampers	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD15/25/35/45-AN001/AN002	Exhaust Fans	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD15/25/35/45-AN003	Exhaust Fans	NS-AQ	N/A	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAD16/26/36/46-AN001	Exhaust Fans	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD13/23/33/43-AT002	HEPA filters	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD13/23/33/43-AC001	Cooling Coils	S	C	I	Yes	UBP	ASME AG-1 ¹⁴ ASME Class 3
30SAD13/23/33/43-AC002/AC102	Cooling Coils	NS-AQ	D	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 181 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAD13/23/33/43-AT003	Moisture Separators	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD16/26/36/46-AH001	Electric Heaters	S	N/A	I	Yes	UBP	ASME AG-1 ¹⁴
30SAD14/24/34/44-AH001/AH002/AH003/AH004	Fan Heaters	NS-AQ	N/A	II	Yes	UBP	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAD13/23/33/43-AA004/AA005	Fire Dampers	S	N/A	I	Yes	UBP	NFPA 90A ¹⁸ , NFPA 80 ²⁰
30SAD16/26/36/46-AA002	Fire Dampers	S	N/A	I	Yes	UBP	NFPA 90A ¹⁸ , NFPA 80 ²⁰
SAQ	Essential Service Water Pump Building Ventilation System						
30SAQ01/02/03/04AA003/004	Cooling Coil Isolation Valves	S	C	I	Yes	URB	ASME Class 3 ³
30SAQ01/02/03/04AC001	Air Cooling Coil	S	C	I	Yes	URB	ASME AG-1 ¹⁴ ASME Class 3 ³
30SAQ01/02/03/04AA002	Recirc Chiller Balancing Damper	S	N/A	I	Yes	URB	ASME AG-1 ¹⁴
30SAQ01/02/03/04AT002	Recirc Chiller Prefilter	S	N/A	I	Yes	URB	ASME AG-1 ¹⁴
30SAQ01/02/03/04AN001	Recirc Fan	S	N/A	I	Yes	URB	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 182 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30SAQ01/02/03/04AT001	Recirc Chiller Moisture Separator	S	N/A	I	Yes	URB	ASME AG-1 ¹⁴
30SAQ01/02/03/04AH001/002	Room Electric Air Heaters	S	N/A	I	Yes	URB	ASME AG-1 ¹⁴
30SAQ01/02/03/04AA007/005	Inlet/Exhaust Air Isolation Dampers	S	N/A	I	Yes	URB	ASME AG-1 ¹⁴
30SAQ01/02/03/04AA008/006	Split Cooler Balancing Dampers	NS-AQ	N/A	II	Yes	URB	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAQ01/02/03/04AT003	Split Cooler Prefilter	NS-AQ	N/A	II	Yes	URB	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30SAQ01/02/03/04AC002	Split Cooler Chiller Unit	NS-AQ	D	II	Yes	URB	ASME AG-1 ¹⁴ ASME VIII ⁸ RG 1.29 ²⁵
30SAQ01/02/03/04AC102	Split Cooler Cooling Unit	NS-AQ	D	II	Yes	URB	ASME AG-1 ¹⁴ ASME VIII ⁸ RG 1.29 ²⁵
30SAQ01/02/03/04AN002	Split Cooler Fan	NS-AQ	N/A	II	Yes	URB	ASME AG-1 ¹⁴ RG 1.29 ²⁵
KLA	Containment Building Ventilation System						
30KLA50 AT003	Carbon Adsorber (KLA 5)	NS-AQ	N/A	I	Yes	UJA	ASME AG-1 ¹⁴ , ASME N510 RG 1.45 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 183 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLA21/22 AT003	Carbon Adsorbers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴ , ASME N510, RG 1.52
30KLA40 AA001	Containment Isolation Valve - Full Flow Exhaust Inside	S	B	I	Yes	UJA	ASME Class 2 ²
30KLA40 AA002	Containment Isolation Valve - Full Flow Exhaust Outside	S	B	I	Yes	UFA	ASME Class 2 ²
30KLA30 AA003	Containment Isolation Valve - Full Flow Supply Inside	S	B	I	Yes	UJA	ASME Class 2 ²
30KLA30 AA002	Containment Isolation Valve - Full Flow Supply Outside	S	B	I	Yes	UFA	ASME Class 2 ²
30KLA20 AA001	Containment Isolation Valve - Low Flow Exhaust Inside	S	B	I	Yes	UJA	ASME Class 2 ²
30KLA20 AA003	Containment Isolation Valve - Low Flow Exhaust Outside	S	B	I	Yes	UFA	ASME Class 2 ²
30KLA10 AA003	Containment Isolation Valve - Low Flow Supply Inside	S	B	I	Yes	UJA	ASME Class 2 ²

Table 3.2.2-1—Classification Summary
Sheet 184 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLA10 AA001	Containment Isolation Valve - Low Flow Supply Outside	S	B	I	Yes	UFA	ASME Class 2 ²
30KLA61/63 AC001/003	Cooling Coils (4 X 25%) KAB	S	C	I	Yes	UJA	ASME Class 3 ³
30KLA61/63 AC002/004	Cooling Coils (4 X 25%) QNJ	NS	E	NSC	No	UJA	ANSI/ASME B31.1 ⁶
30KLA20 AA004	Damper, Controls Negative Pressure	NS	N/A	NSC	No	UJA	
30KLA10 AA005	Damper, Supply Air	NS	N/A	NSC	No	UJA	
30KLA61/63 AA004	Dampers (Maintain DP between Service and Equipment Areas)	NS	N/A	NSC	No	UJA	
30KLA61/63 AA005	Dampers, Cooling Units	NS	N/A	NSC	No	UJA	
30KLA21/22 AA004/007	Dampers, Isolation	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴ , ASME N510, RG 1.52
30KLA50 AH001	Electric Heater, (KLA 5)	NS-AQ	N/A	I	Yes	UJA	ASME AG-1 ¹⁴ , ASME N510 RG 1.45 ²⁵
30KLA21/22 AH005	Electric Heaters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴ , ASME N510, RG 1.52

Table 3.2.2-1—Classification Summary
Sheet 185 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLA51/52 AN001	Fans, Internal Filtration System	NS-AQ	N/A	I	Yes	UJA	ASME AG-1 ¹⁴ , ASME N510 RG 1.45 ²⁵
30KLA21/22 AN001	Fans, Low Flow Purge Exhaust	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴ , ASME N510, RG 1.52
30KLA61/62/63/64 AN001	Fans, Main Supply (4 x 50%)	NS	N/A	NSC	No	UJA	
30KLA50 AT002	HEPA Filter (KLA 5)	NS-AQ	N/A	I	Yes	UJA	ASME AG-1 ¹⁴ , ASME N510 RG 1.45 ²⁵
30KLA50 AT004	Post Filter (KLA 5)	NS-AQ	N/A	I	Yes	UJA	ASME AG-1 ¹⁴ , ASME N510 RG 1.45 ²⁵
30KLA21/22 AT002	HEPA Filters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴ , ASME N510, RG 1.52
30KLA21/22 AT004	Post Filters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴ , ASME N510, RG 1.52
30KLA21/22 AT005	Moisture Separators	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴ ASME N510, RG 1.52

Table 3.2.2-1—Classification Summary
Sheet 186 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLA71 AC001-012	Local Air Cooling Units w/ QNJ Cooling Water	NS	E	NSC	No	UJA	ANSI/ASME B31.1 ⁶
30KLA50 AT001	Pre-Filter (KLA 5)	NS-AQ	N/A	I	Yes	UJA	ASME AG-1 ¹⁴ , ASME N510 RG 1.45 ²⁵
30KLA21/22 AT001	Pre-Filters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴ , ASME N510, RG 1.52
30KLA65/66 AN001-AN002	Reactor Pit Fans (4 x 50%)	NS-AQ	N/A	II	Yes	UJA	ASME AG-1 ¹⁴ RG 1.29 ²⁵ RG 1.155 ²⁵
30KLA71 AN001-012	Supply Air Fans (Axial, Direct Drive)	NS	N/A	NSC	No	UJA	
30KLA20 AA003C/003D/003E	KLA 2 SCB Isolation Valves	NS-AQ	D	II	Yes	UFA	ANSI/ASME B31.1 ⁶ RG 1.29 ²⁵
30KLA24 AA001/003	ESF Filter Bypass Isolation Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴ , ASME N510
30KLA24 AA002	ESF Filter Bypass Fire Damper	S	N/A	I	Yes	UFA	NFPA 90A ¹⁸ , NFPA 80 ²⁰
30KLA30 AA004/008	Motor Operated Dampers	NS-AQ	N/A	II	Yes	UFA	ASME AG-1 ¹⁴ RG 1.29 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 187 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLA30 AA007	Motor Operated Dampers	NS-AQ	N/A	II	Yes	UJA	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30KLA30 AA006	Manual Control Damper	NS-AQ	N/A	II	Yes	UJA	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30KLA40 AA004/ 005/007	Motor Operated Dampers	NS-AQ	N/A	II	Yes	UJA	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30KLA40 AA003/ 008	Manual Isolation Dampers	NS-AQ	N/A	II	Yes	UJA	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30KLA61/62/63/64 AA001	Backdraft Dampers	NS	N/A	NSC	No	UJA	
30KLA65/66 AA002/ 004	Backdraft Dampers	NS-AQ	N/A	II	Yes	UJA	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30KLA61/63 AA009/ 010	Manual Control Damper	NS	N/A	NSC	No	UJA	
30KLA61/63 AT002/ 004	Moisture Separators	NS	N/A	NSC	No	UJA	
KLB	Annulus Ventilation System						
30KLB21/24 AA006	Accident Train Backdraft Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLB21/24 AA004	Accident Train Motor Operated Exhaust Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 188 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLB21/24 AA003	Accident Train Motor Operated Supply Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLB21 AA008	Accident Train Exhaust Fire Damper	S	N/A	I	Yes	UFA	NFPA 90A ¹⁸ NFPA 90A ¹⁸
30KLB21/24 AT003	Adsorbers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLB21/24 AT004	Post Filters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLB21/24 AT005	Moisture Separators	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLB21/24 AH001	Electric Heaters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLB21/24 AN001	Exhaust Fans	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLB34 AA004	Normal Train Control Damper	NS	N/A	NSC	No	UFA	
KLB	Normal Train Fire Dampers	NS	N/A	NSC	No	UFA	NFPA 90A ¹⁸ , NFPA 80 ²⁰
30KLB44 AA002/003	Normal Train Motor Operated Exhaust Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLB34 AA002/003	Normal Train Motor Operated Supply Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLB21/24 AT001	Pre-Filters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 189 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLB21/24 AT002	HEPA Filters	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
KLL	Fuel Building Ventilation System						
KLL	Ductwork between KLL and KLC for Iodine Exhaust from the Fuel Pool Floor	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL21/24 AA001-003	Exhaust Isolation Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL21/24 AA004	Fuel Building Exhaust/KLC Isolation Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL41/44 AA100/101	Fuel Building Exhaust Air Isolation Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL31 AA049	Fuel Building Supply Air Isolation Damper	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL31/34 AA090	Fuel Building Supply Air Isolation Damper	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL34 AA065	Fuel Building Supply Air Isolation Damper	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL61AH010/011 30KLL64AH012-014	Non-Safety Related Electric Heating Units in supply air duct	NS-AQ	N/A	II	Yes	UFA	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30KLL61/64 AT/ AN002/003	Recirculation Cooling Units in FAK Pump Rooms	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴

Table 3.2.2-1—Classification Summary
Sheet 190 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLL61/64 AT/AN001	Recirculation Cooling Units in JDH Pump Rooms	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL61/64AH001-004	Safety Related Electric Heating Units in JDH Pump Rooms and Pipe Chase	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL11/14 AA001-003	Supply Isolation Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL11 AA010	Supply Pressure Control Damper	NS-AQ	N/A	II	Yes	UFA	ASME AG-1 ¹⁴ RG 1.29 ²⁵
KLL	Balance of KLL System	NS-AQ	N/A	II	Yes	UFA	ASME AG-1 ¹⁴ RG 1.29 ²⁵
KLL	Exhaust Air Duct	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
KLL	Fire Dampers on exhaust air duct	S	N/A	I	Yes	UFA	NFPA 90A ¹⁸ , NFPA 80 ²⁰
KLL	All other Fire Dampers	NS-AQ	N/A	II	Yes	UFA	NFPA 90A ¹⁸ , NFPA 80 ²⁰ RG 1.29 ²⁵
30KLL64AH020/021 30KLL61AH022-028	Non-safety-related Space Electric Heating Units	NS	N/A	NSC	No	UFA	Commercial

Table 3.2.2-1—Classification Summary
Sheet 191 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLL31AA009 30KLL34AA011	Supply Air Manual Isolation Dampers	NS-AQ	N/A	II	Yes	UFA	ASME AG-1 ¹⁴ RG 1.29 ²⁵
30KLL41AA004 30KLL44AA022	Exhaust Air Manual Isolation Dampers	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLL61/64 AC001	Recirculation Cooling Coil in JDH Pump Room	S	C	I	Yes	UFA	ASME AG-1 ¹⁴ , ASME Class 3 ³
30KLL61/64 AC002/003	Recirculation Cooling Coil in FAK Pump Room	S	C	I	Yes	UFA	ASME AG-1 ¹⁴ , ASME Class 3 ³
SAM3	Main Steam & Feedwater Valve Room Ventilation System						
SAM3	Recirculation Cooling Units	NS	E	NSC	No	UJE	
SAM3	Electric Heaters	NS	N/A	NSC	No	UJE	
KLD	Access Building Ventilation System						
KLD	Building Protection Grilles	NS	N/A	NSC	No	UKE	
KLD	Control Area Exhaust Dampers	NS-AQ	N/A	NSC	No	UKE, UKA	ASME AG-1 ¹⁴ RG 1.140 ²⁵
30KLD41/42/43 AT002	Controlled Area HEPA Filters	NS-AQ	N/A	NSC	No	UKE	ASME AG-1 ¹⁴ RG 1.140 ²⁵

Table 3.2.2-1—Classification Summary
Sheet 192 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLD41/42/43 AT001	Controlled Area Pre-Filters	NS-AQ	N/A	NSC	No	UKE	ASME AG-1 ¹⁴ RG 1.140 ²⁵
30KLD01/02 AT005	Droplet Separators	NS	N/A	NSC	No	UKE	
KLD	Duct Electric Air Heaters	NS	N/A	NSC	No	UKE	
30KLD45/46 AN001	Exhaust Fans - Controlled Area	NS-AQ	N/A	NSC	No	UKA	ASME AG-1 ¹⁴ RG 1.140 ²⁵
30KLD32/33 AN001	Exhaust Fans - Supervised Area	NS	N/A	NSC	No	UKE	
30KLD04/05/32/33 AH501	Fan Motor Anti-Condensate Heaters	NS	N/A	NSC	No	UKE	
30KLD45/46 AH501	Fan Motor Anti-Condensate Heaters	NS-AQ	N/A	NSC	No	UKA	ASME AG-1 ¹⁴ RG 1.140 ²⁵
KLD	Fire Dampers	NS-AQ	N/A	NSC	No	UKE	NFPA 90A ¹⁸ , NFPA 80 ²⁰ RG 1.189 ²⁵
KLD	Intake/Exhaust Screens	NS	N/A	NSC	No	UKE, UJA	
30KLD39 AN001	Prestressing Gallery Exhaust Fan	NS	N/A	NSC	No	UJA	
30KLD01/02 AT006	Roughing Filters	NS	N/A	NSC	No	UKE	
KLD	Silencers	NS	N/A	NSC	No	UKE	
30KLD01/02 AC002	Supply Air Coolers	NS	E	NSC	No	UKE	ANSI/ASME B31.1 ⁶

Table 3.2.2-1—Classification Summary
Sheet 193 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLD04/05 AN001	Supply Air Fans	NS	N/A	NSC	No	UKE	
30KLD01/02 AC003	Supply Air Heaters	NS	E	NSC	No	UKE	ANSI/ASME B31.1 ⁶
30KLD01/02 AT004	Supply Air Pre-Filters	NS	N/A	NSC	No	UKE	
30KLD01/02 AC001	Supply Air Pre-Heaters	NS	E	NSC	No	UKE	ANSI/ASME B31.1 ⁶
KLD	Supply/Supervised Area Exhaust Dampers	NS	N/A	NSC	No	UKE	
KLE	Nuclear Auxiliary Building Ventilation System						
30KLE50 AA001	Backdraft Damper to Vent Stack	S	N/A	I	Yes	UFA	ASME AG-1 ¹⁴
30KLE01/02/03 AC001	Room Air Heaters	NS	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KLE01/02/03 AC002	Supply Air Coolers	NS	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KLE01/02/03 AC003	Room Air Heaters	NS	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶
KLE	Fire Dampers	NS	N/A	NSC	No	UKA	NFPA 90A ¹⁸ NFPA 80 ²⁰
KLE	Balance of KLE	NS	N/A	NSC	No	UKA	
SAG	Smoke Confinement System	NS	N/A	NSC	No	UJK, UJH	NFPA 92A ¹⁹
[[SAM1, SAM2, SAC70	Turbine Island Ventilation System	NS	N/A	NSC	No	UMA, UBA	Local Building Codes]]

Table 3.2.2-1—Classification Summary
Sheet 194 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
SAL	Station Blackout Room Ventilation System						
SAL	Supply Air Coolers	NS-AQ	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶ RG 1.155 ²⁵
SAL	Fire Dampers	NS-AQ	N/A	NSC	No	UKA	NFPA 90A ¹⁸ NFPA 80 ²⁰ RG 1.155 ²⁵
SAL	Balance of SAL	NS-AQ	N/A	NSC	No	UKA	RG 1.155 ²⁵
KLF	Radioactive Waste Processing Building Ventilation						
30KLF50/51 AC001	Unit Room Air Coolers	NS	E	NSC	No	UKA	ANSI/ASME B31.1 ⁶
30KLF50/51 AT001	Unit Room Moisture Separators	NS	N/A	NSC	No	UKA	
30KLF50/51 AN001	Unit Room Fans	NS	N/A	NSC	No	UKA	
30KLF80 AH001 thru 025	Electric Room Heaters	NS	N/A	NSC	No	UKS	
30KLF06 AH001/002/003, 30KLF09 AH001, 30KLF10 AH001/002	Duct Heaters	NS	N/A	NSC	No	UKS	
30KLF08 AC001/002/003/004	Unit Room Air Heaters	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶
30KLF07 AC001	Unit Room Air Heater	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶

Table 3.2.2-1—Classification Summary
Sheet 195 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLF08 AN001/002/003/004	Unit Room Air Heater Fans	NS	N/A	NSC	No	UKS	
30KLF01 AH001	Supply Air Inlet Heater	NS	N/A	NSC	No	UKS	
30KLF02/03AA001, 30KLF04 AA101	Supply Air Motor Dampers	NS	N/A	NSC	No	UKS	
30KLF02/03 AA002	Supply Air Manual Damper	NS	N/A	NSC	No	UKS	
30KLF02/03 AC001/003	Supply Air Heaters	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶
30KLF02/03 AC002	Supply Air Coolers	NS	E	NSC	No	UKS	ANSI/ASME B31.1 ⁶
30KLF02/03 AT001	Supply Air Pre-Filters	NS	N/A	NSC	No	UKS	
30KLF02/03 AT002	Supply Air Filters	NS	N/A	NSC	No	UKS	
30KLF02/03 AT003	Supply Air Demisters	NS	N/A	NSC	No	UKS	
30KLF02/03 AN001	Supply Air Fans	NS	N/A	NSC	No	UKS	
30KLF02/03BS001/BS002	Supply Air Fan Silencers	NS	N/A	NSC	No	UKS	
30KLF02/03 AA003	Supply Air Backdraft Dampers	NS	N/A	NSC	No	UKS	
KLF	Fire Dampers	NS	N/A	NSC	No	UKS	NFPA 90A ¹⁸ , NFPA 80 ²⁰
30KLF21 AT001	Exhaust Air Moisture Separator	NS	N/A	NSC	No	UKS	

Table 3.2.2-1—Classification Summary
Sheet 196 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLF04/21/31/35 AA101	Motor Operated Vol Contrl Dampers	NS	N/A	NSC	No	UKS	
30KLF22/23/31/35 AA001/002	Motor Operated Isolation Dampers	NS	N/A	NSC	No	UKS	
30KLF31/35 AA003/004	Motor Operated Bypass Dampers	NS	N/A	NSC	No	UKS	
30KLF22/23/31/35 AH001	Exhaust Air Heaters	NS	N/A	NSC	No	UKS	
30KLF22/23/31/35 AT001	Exhaust Air Pre-Filters	NS	N/A	NSC	No	UKS	
30KLF22/23/31/35 AT002	Exhaust Air HEPA Filters	NS	N/A	NSC	No	UKS	
30KLF22/23/31/35 AT003	Exhaust Air Carbon Adsorbers	NS	N/A	NSC	No	UKS	
30KLF22/23/31/35 AT004	Exhaust Air Post-Filters	NS	N/A	NSC	No	UKS	
30KLF25/26/39/40 AA001	Exhaust Air Manual Dampers	NS	N/A	NSC	No	UKS	
30KLF25/26/39/40 AN002	Exhaust Fans	NS	N/A	NSC	No	UKS	
30KLF25/26/39/40 AA002	Exhaust Backdraft Dampers	NS	N/A	NSC	No	UKS	
30KLF41 BS001	Silencer	NS	N/A	NSC	No	UKS	

Table 3.2.2-1—Classification Summary
Sheet 197 of 197

KKS System or Component Code	SSC Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program (Note 5)	Location (Note 17)	Comments/ Commercial Code
30KLF26/40 AA101	Motor Operated Flow Control Damper	NS	N/A	NSC	No	UKS	
30KLF34AA050	Supply Air Balancing Damper	NS	N/A	NSC	No	UKS	
30KLF08AA010/011	Supply Air Manual Damper	NS	N/A	NSC	No	UKS	
30KLF08AA012	Supply Air Motor Dampers	NS	N/A	NSC	No	UKS	

Notes:

1. ASME Class 1 refers to “ASME Boiler and Pressure Vessel Code, Section III, Division 1, Subsection NB - Class 1 Components,” 2004 Edition, No Addenda, with 10 CFR 50.55a Exceptions and Clarifications.
2. ASME Class 2 refers to “ASME Boiler and Pressure Vessel Code, Section III, Division 1, Subsection NC - Class 2 Components,” 2004 Edition, No Addenda, with 10 CFR 50.55a Exceptions and Clarifications.
3. ASME Class 3 refers to “ASME Boiler and Pressure Vessel Code, Section III, Division 1, Subsection ND - Class 3 Components,” 2004 Edition, No Addenda, with 10 CFR 50.55a Exceptions and Clarifications.
4. ASME Class CS refers to “ASME Boiler and Pressure Vessel Code, Section III, Division 1, Subsection NG - Core Support Structures,” 2004 Edition, No Addenda, with 10 CFR 50.55a Exceptions and Clarifications.
5. Those SSCs classified as NS-AQ (for Safety Class) and classified as “Yes” for 10 CFR 50 Appendix B will be subject only to those quality assurance requirements of Appendix B that are pertinent to that SSC based on the potential affect of the SSC on safety-related functions.
6. ANSI/ASME B31.1 refers to “ANSI/ASME B31.1 - 2004: Power Piping.”

7. ANSI/ASME B16.34 refers to “ANSI/ASME B16.34 - 2004: Valves Flanged, Threaded and Welding End.”
8. ASME VIII refers to “ASME Boiler & Pressure Vessel Code, Section VIII, Rules for Construction of Pressure Vessels, Division 1,” 2004 Edition, No Addenda.
9. ANSI/ASME B31.3 refers to “ANSI/ASME B31.3 - 2004: Process Piping.”
10. API 620 refers to “American Petroleum Institute - API 620: Design and Construction of Large, Welded, Low-Pressure Storage Tanks,” Tenth Edition, 2002 with Addendum 1, June 2004.
11. API 650 refers to “Welded Steel Tanks for Oil Storage,” American Petroleum Institute, 1998 with Addenda 1-4.
12. Not Used.
13. ANSI/AISC N690-1994(R2004)s2 refers to “American Institute of Steel Construction - Specification for the Design, Fabrication, and Erection of Steel Safely-Related Structures for Nuclear Facilities,” ANSI/AISC N690-1994 (R2004), Supplement 2.
14. ASME AG-1 refers to ASME AG-1, “Code on Nuclear Air and Gas Treatment,” 1997 (including the AG-1a-2000, “Housings” Addenda).
15. As defined in Section 3.2.1, the U.S. EPR safety classifications are:
 - S - Safety-related
 - NS - Non-safety-related
 - NS-AQ - Supplemented Grade
16. As defined in Section 3.2.1, the Seismic Classifications are:
 - I - Seismic Category I
 - II - Seismic Category II
 - RS - Radwaste Seismic

- CS - Conventional Seismic
- NSC - Non-seismic

17. Locations are defined below:

	KKS Designator	Location
	UAA	Switchyard
	UBA	Switchgear building
1	UBE	Auxiliary power transformer areas
2	UBE	Auxiliary power transformer areas
1	UBF	Generator transformer areas
2	UBF	Generator transformer areas
3	UBF	Generator transformer areas
	UBH	Structure for oil collecting pits
1	UBP	Emergency power generating, building 1
2	UBP	Emergency power generating, building 2
3	UBP	Emergency power generating, building 3
4	UBP	Emergency power generating, building 4
1	UBZ	Buried cable conduit ductbank from UBA (division 1) to 1UJH and 1UJK
2	UBZ	Buried cable conduit ductbank from UBA (division 2) to 2UJH and 2UJK
3	UBZ	Buried cable conduit ductbank from UBA (division 3) to 3UJH and 3UJK
4	UBZ	Buried cable conduit ductbank from UBA (division 4) to 4UJH and 4UJK and UKS
5	UBZ	Buried cable conduit ductbank from switchgear building to transformers
6	UBZ	Buried cable conduit ductbank from turbine building to circulating water structures
	UFA	Fuel building
1	UGC	Demineralized water storage area
2	UGC	Demineralized water storage area
	UGU	Structure for effluent disposal

	KKS Designator	Location
	UJA	Reactor building
	UJB	Reactor building annulus
1	UJE	Main steam valve room, division 1
2	UJE	Main steam valve room, division 2
3	UJE	Main steam valve room, division 3
4	UJE	Main steam valve room, division 4
1	UJH	Safeguard building mechanical, division 1
2	UJH	Safeguard building mechanical, division 2
3	UJH	Safeguard building mechanical, division 3
4	UJH	Safeguard building mechanical, division 4
1	UJK	Safeguard building electrical, division 1
2	UJK	Safeguard building electrical, division 2
3	UJK	Safeguard building electrical, division 3
4	UJK	Safeguard building electrical, division 4
	UJP	Reactor pit
	UK	Structures for reactor auxiliary systems
	UKA	Nuclear auxiliary building
	UKE	Access building
	UKH	Vent stack
	UKS	Radioactive waste processing building
	UM	Structures for main machine sets
	UMA	Turbine building
	UMY	Pipe bridge or support structure
1	UMZ	Buried piping and pipe ducts from UMA to UKA and UKS
2	UMZ	Buried piping and pipe ducts from 1UMZ to building UKE
	UPC	Circulating water intake structure
	UPE	Circulating water makeup intake structure

	KKS Designator	Location
	UPF	Ultimate heat sink makeup water makeup intake structure
	UPQ	Water treatment building
	UQA	Circulating water pump building
1	UQB	Essential service water pump, building 1
2	UQB	Essential service water pump, building 2
3	UQB	Essential service water pump, building 3
4	UQB	Essential service water pump, building 4
	UQM	Service water and circulating water collecting pond
1	UQZ	Buried piping and pipe ducts for service water system and cables from 1UJH
2	UQZ	Buried piping and pipe ducts for service water system and cables from 2UJH
3	UQZ	Buried piping and pipe ducts for service water system and cables from 3UJH
4	UQZ	Buried piping and pipe ducts for service water system and cables from 4UJH
5	UQZ	Buried piping and pipe ducts for service water system
6	UQZ	Buried piping and pipe ducts for service water system
7	UQZ	Buried piping and pipe ducts for service water system
8	UQZ	Buried piping and pipe ducts for service water system
9	UQZ	Buried piping and pipe ducts for essential water pipes
	URA	Cooling tower structure
1	URB	Essential service water cooling tower structure, division 1
2	URB	Essential service water cooling tower structure, division 2
3	URB	Essential service water cooling tower structure, division 3
4	URB	Essential service water cooling tower structure, division 4
	USG	Fire protection storage tanks and building
	UST	Workshop & warehouse building
	UTG	Central gas supply building
	UYA	Office and staff amenities building
	UYF	Security access facility

KKS Designator	Location
UYH	Simulator building (training facilities)
UZE	Track system (rails if necessary)
UZJ	Fencing and gates
UZT	Outdoor area

18. NFPA 90A refers to “Standard for Installation of Air Conditioning and Ventilation Systems,” 2002 Edition.
19. NFPA 92A refers to “Standard for Smoke-Control Systems Utilizing Barriers and Pressure Differences,” 2006 Edition.
20. NFPA 80 refers to “Standard for Fire Doors and Other Opening Protectives,” 2007 Edition.
21. HEI refers to “Standards for Power Plant Heat Exchangers,” Fourth Edition, 2004.
22. ESW piping in trains PEB10/20/30/40 located in UZT are situated underground.
23. ASME Class MC refers to “ASME Boiler and Pressure Vessel Code, Section III, Division 1, Subsection NE Rules for Construction of Nuclear Facility Components,” 2004 Edition, No Addenda, with 10 CFR 50.55a Exceptions and Clarifications.
24. There are no specific construction code rules for this equipment. The RPV refueling cavity ring is constructed using fatigue analysis rules from ASME Section III, Class 2; and materials, design, fabrication and examination rules from Section III Class 3, to the extent that they can be applied. However, as this device is not a pressure retaining component or a support thereof, it is outside the scope of Section III; and, therefore, will not be certified or stamped as an ASME Section III vessel. Refer to Section 3.8.3.1.1 for additional information.
25. The basis for the quality assurance for the respective SSCs is detailed in the following:
 - RG 1.29 Regulatory Position C.1 for Seismic Category I or C for Seismic Category II and NSC
 - RG 1.189 Regulatory Position C.1.7
 - RG 1.155 Regulatory Position C.3.5

- 10 CFR 50.46a Regulatory Position (b)
- RG 1.7 Regulatory Position C.2
- RG 1.143 Regulatory Position C.7
- RG 1.140 Regulatory Position C.1
- RG 1.21 Regulatory Position C.4
- NUREG-0737 Appendix B
- Staff Requirements Manual to SECY-93-087 Section II Q
- RG 1.45, Regulatory Position C 2.4
- RG 1.89 Regulatory Position C.1
- RG 1.97 Regulatory Position C

26. *[ACI 349/349R-01 refers to “Code Requirements for Nuclear Safety-Related Concrete Structures,” 2001.]**

*NRC Staff approval is required prior to implementing a change in this information marked in this table; see FSAR Introduction.