

**Table 3.2.2-1—Classification Summary**  
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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
<b>REACTOR COOLANT SYSTEM</b>							
JE, JA, JDA	Reactor Coolant System						
30JEF10 AA009-010	Bypass Valves for PDS Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEC10/20/30/40	Cold Leg Instrument Piping and Root Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEC10/20/30/40 BR003	Cold Leg Piping	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
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	
JDA	Control Rod Drive Mechanism - Pressure Boundary	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEC10/20/30/40	Cross-over Leg Instrument Piping and Root Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEC10/20/30/40 BR002	Cross-over Leg Piping	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>

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JAC	Heavy Reflector - Centering Pins	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	Heavy Reflector - Normal and Centering Rings	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	Heavy Reflector - Positioning Keys	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	Heavy Reflector - Slabs	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	Heavy Reflector - Tie Rods	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	Heavy Reflector - Upper Core Plate Guide Pins	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	Heavy Reflector - Vertical Keys	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
30JEC10/20/30/40	Hot Leg Instrument Piping and Root Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEC10/20/30/40 BR001	Hot Leg Piping	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEF10 BR004	PDS Discharge Line Pipe #1	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>

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30JEF10 BR006	PDS Discharge Line Pipe #2	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEF10 AA004-007	PDS Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JAA10	Post Accident High Point Vent Piping (downstream of Valves 30JAA10 AA509/511)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30JAA10	Post Accident High Point Vent Piping (upstream of Valves 30JAA10 AA508/510)	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JAA10 AA508-511	Post Accident RPV High Point Vent Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEF10 BB001	Pressurizer	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEF10	Pressurizer Auxiliary Spray Line & Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEF10 AA002-003	Pressurizer By-Pass Manual Spray Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEF10 BR002-003	Pressurizer By-Pass Spray Lines	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEF10 BR402	Pressurizer Degassing Drain Line Pipe #1	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JEG10 BR403	Pressurizer Degassing Drain Line Pipe #2	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30JEF10 AA402-403	Pressurizer Degassing Drain Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEG10	Pressurizer Degassing Piping & Valves (downstream of Valve 30JEF10 AA504)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30JEG10	Pressurizer Degassing Piping & Valves (upstream of Valve 30JEF10 AA503)	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEF10 AA503-504	Pressurizer Degassing Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEF10 AH	Pressurizer Heater Assemblies - Pressure Boundary	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEF10	Pressurizer Instrumentation Piping and Root Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEF10 BR102-103	Pressurizer Normal Spray Lines	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JEF10 AA102-103	Pressurizer Normal Spray Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEG10	Pressurizer Relief Tank and Associated Piping & Valves (downstream of PSRV and PDS Valves)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , ASME VIII <sup>[8]</sup>
30JEF10	Pressurizer Sampling Line & Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEC30 BR004	Pressurizer Surge Line	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEG10	Pressurizer Vacuum Pump/Nitrogen Piping & Valves (downstream of Valve 30JEF10 AA502)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30JEF10 BR501	Pressurizer Vacuum Pump/Nitrogen Supply Line	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEF10 AA501-502	Pressurizer Vacuum Pump/Nitrogen Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEF10 AA191-193	PSRVs	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>

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30JEB10/20/30/40	RCP Motors - Anti-Rotation Devices/ Rotating Assemblies/ Bearings/Bearing Supports/Motor Frames	S	N/A	I	Yes	UJA	ASME III Allowables as applicable
30JEB10/20/30/40	RCP Motors - Oil Collection System	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , API 620 <sup>[10]</sup>
30JEB10/20/30/40	RCP Motors - Oil Coolers/Air Coolers/ Oil Lift Pumps (non-motor)	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30JEB10/20/30/40	RCP Motors - Remaining Parts	NS-AQ	N/A	II	Yes	UJA	NEMA MG 1-2003
30JEB10/20/30/40	RCP Seal #1 Injection Line Auxiliary Piping and Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEB10/20/30/40	RCP Seal #1 Remaining Auxiliary Piping and Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEB10/20/30/40	RCP Seal #1 Sweeping Line Auxiliary Piping and Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>

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30JEB10/20/30/40	RCP Seal #2 Auxiliary Piping and Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30JEB10/20/30/40	RCP Seal #3 Auxiliary Piping and Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30JEB10/20/30/40	RCP Stand Still Seal System Auxiliary Piping and Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30JEB10/20/30/40	RCP Thermal Barrier Auxiliary Piping and Valves	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30JEB10/20/30/40 AP001	Reactor Coolant Pump Bodies	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JAH10 BU	Reactor Coolant System Insulation	NS-AQ	N/A	II	Yes	UJA	
30JAA10 BB001	Reactor Pressure Vessel	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JAA10	RPV High Point Vent Piping & Valves (downstream of Valve 30JAA10 AA502)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>

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30JAA10	RPV High Point Vent Piping (upstream of Valve 30JAA10 AA501)	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JAA10 AA501-502	RPV High Point Vent Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
JAC	RPV Internals - Control Rod Drive Mechanism Adaptor Thermal Sleeves	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	RPV Internals - Handling Studs and Inserts	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	RPV Internals - Head and Vessel Alignment Pins	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	RPV Internals - Hold Down Spring	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	RPV Internals - Radial Key Inserts	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	RPV Lower Internals - Core Barrel (Flange and Shells)	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	RPV Lower Internals - Dome Spray Nozzles	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)



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JAC	RPV Lower Internals - Flow Distribution Device	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	RPV Lower Internals - Fuel Assembly Guide Pin	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	RPV Lower Internals - Irradiation Capsule Access Plug	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	RPV Lower Internals - Irradiation Capsule Basket	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	RPV Lower Internals - Lower Support Plate	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	RPV Lower Internals - Radial Key Inserts	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
30JAA10	RPV O-Ring Leakoff Piping & Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
JAC	RPV Upper Internals - Control Rod Guide Assembly	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	RPV Upper Internals - Control Rod Guide Assembly Columns	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>

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JAC	RPV Upper Internals - Control Rod Guide Assembly Support Pins	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	RPV Upper Internals - Guide Tubes for Instrumentation	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	RPV Upper Internals - Level Measurement Probe Columns	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	RPV Upper Internals - Level Measurement Probe Upper Housing	NS-AQ	D	II	Yes	UJA	ASME Class CS <sup>[4]</sup> (Internal Structure)
JAC	RPV Upper Internals - Normal Support Columns	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	RPV Upper Internals - Upper Core Plate	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	RPV Upper Internals - Upper Fuel Pins	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>
JAC	RPV Upper Internals - Upper Support Plate (Flange & Shell)	S	B	I	Yes	UJA	ASME Class CS <sup>[4]</sup>

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30JEA10/20/30/40	Steam Generator Instrument Piping and Root Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEA10/20/30/40	Steam Generator Sampling Line and Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEA10/20/30/40 AC001	Steam Generators, Primary	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEA10/20/30/40 AC001	Steam Generators, Secondary	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
<b>FRONT LINE SYSTEMS</b>							
<b>JNA</b>	<b>Residual Heat Removal System</b>						
30JNA10/20/30/40 BR009	Bypass Piping around RHR 1 <sup>st</sup> RCPB Isolation Valve Containing RHR 1 <sup>st</sup> RCPB Bypass Check Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNK10/11 BR195	LHSI /RHR Overpressure Protection Piping between RHR Suction Line Safety Relief Valve and IRWSTS	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>

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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 <sup>[2]</sup>
30JNA30/40 AA006	LHSI Heat Exchanger Bypass Check Valve on Purification Line to CVCS	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNA10/20/30/40 AA101	LHSI Heat Exchanger Bypass Control Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNA30/40 AA004	LHSI Heat Exchanger Bypass Isolation Valve on Purification Line to CVCS	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNA30/40 AA103	LHSI Heat Exchanger Bypass Throttle Valve on Purification Line to CVCS	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>

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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 <sup>[2]</sup>
30JNA10/20/30/40 BR002	Piping between Containment Penetrations (30JMK10 BQ103, 30JMK20 BQ203, 30JMK30 BQ308, and 30JMK40 BQ403) and RHR 2 <sup>nd</sup> RCPB Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>

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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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
30JNA40 BR007	Purification Line between LHSI HX Bypass Line and CVCS Piping	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>

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30JNA30 BR007	Purification Line between LHSI HX Bypass Line and Train 4 Purification Line	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNA10/20/30/40 BR001	RCS Suction Line Piping between RHR 2 <sup>nd</sup> RCPB Isolation Valve and Connection to RCS Hot Leg in RCS	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JNA10/20/30/40 AA009	RHR 1 <sup>st</sup> RCPB Bypass Check Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNA10/20/30/40 AA001	RHR 1 <sup>st</sup> RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JNA10/20/30/40 AA002	RHR 2 <sup>nd</sup> RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JNA10/20/30/40 AA003	RHR Outside Containment Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNA10/20/30/40 AA191	RHR Suction Line Safety Relief Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>

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<b>JND</b>	<b>Medium Head Safety Injection System</b>						
30JND10/20/30/40 BP001	Flow Restrictor at Inlet of MHSI Large Miniflow Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JND10/20/30/40 BP002	Flow Restrictor at Inlet of MHSI Small Miniflow Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JND10/20/30/40 BP003	Flow Restrictor in MHSI Pump Discharge Line between MHSI Inside Containment Isolation Valve and MHSI 2 <sup>nd</sup> RCPB Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JND10/20/30/40 AA003	MHSI 2 <sup>nd</sup> RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JND10/20/30/40 AA007	MHSI Inside Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JND10/20/30/40 AA005	MHSI Large Miniflow Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>



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30JND10/20/30/40 AA002	MHSI Outside Containment Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JND10/20/30/40 AP001	MHSI Pump	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JND10/20/30/40 AA004	MHSI Small Miniflow Line Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JND10/20/30/40 AA001	MHSI Suction Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
30JND10/20/30/40 BR002	Piping between MHSI Pump and MHSI Outside Containment Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>

**Table 3.2.2-1—Classification Summary**  
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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JND10/20/30/40 BR003	Piping between Inlet of MHSI Inside Containment Isolation Valve and MHSI 2 <sup>nd</sup> RCPB Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
30JND10/20/30/40 BR004	Piping between MHSI 2 <sup>nd</sup> RCPB Isolation Valve and Cold Leg Injection Line	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
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 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
30JND40 BR010	Piping between MHSI Suction Isolation Valve and IRWSTS Three-Way Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
<b>JNG</b>	<b>Low Head Safety Injection System</b>						
30JNG13/23/33/ 43 BP001	1 <sup>st</sup> Flow Restrictor in Accumulator Filling Line	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG13/23/33/ 43 BP002	2 <sup>nd</sup> Flow Restrictor in Accumulator Filling Line	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG13/23/33/ 43 AA009	Accumulator Check Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>

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

**Table 3.2.2-1—Classification Summary**  
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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JNG13/23/33/ 43 AA006	Accumulator-Nitrogen Distribution Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 BR061	Bypass Line around LHSI Outside Containment Main Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
30JNG10/20/30/ 40 BR008	Cold leg Injection Line between LHSI 2 <sup>nd</sup> RCPB Isolation Valve and Accumulator Cold Leg Injection Line	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JNG13/23/33/ 43 BR007	Cold leg Injection Line between SIS 1 <sup>st</sup> RCPB Isolation Valve and RCS going to the Cold Leg Nozzle	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JNG10/40 AA012	Cross-Connect Bypass Check Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
30JNG15/25/35/ 45 AA003	Dead Leg Pressure Bypass Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG15/25/35/ 45 AA004	Dead Leg Pressure Control Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JNG15/25/35/ 45 AA001	Dead Leg Pressurization Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JNG15/25/35/ 45 BP001	Flow Restrictor Downstream of Dead Leg Pressure Control Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JNG10/20/30/ 40 BP061	Flow Restrictor in LHSI Outside Containment Main Isolation Valve Bypass Line	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JNG10/20/30/ 40 BP001	Flow Restrictor in LHSI Tangential Miniflow Line	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
30JNG10/20/30/ 40 AA006	LHSI 2 <sup>nd</sup> RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JNG10/20/30/ 40 AA011	LHSI Cross-Connect Check Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AA010	LHSI Cross-Connect Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AA192	LHSI Discharge Line Safety Relief Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AC001	LHSI Heat Exchanger	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AA102	LHSI Heat Exchanger Main Control Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AA104	LHSI Heat Exchanger Pre-Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNG12/22/32/ 42 AA002	LHSI Hot Leg Injection Check Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JNG12/22/32/ 42 AA001	LHSI Hot Leg Injection Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AA009	LHSI Inside Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AA061	LHSI Outside Containment Bypass Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AA060	LHSI Outside Containment Main Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AP001	LHSI Pump	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AA003	LHSI Radial Miniflow Line Check Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AA001	LHSI Suction Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNG10/20/30/ 40 AA004	LHSI Tangential Miniflow Line Check Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JNG13/23/33/ 43 BR501	Piping between Accumulator and Accumulator Depressurization Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG13/23/33/ 43 BR305	Piping between Accumulator and Accumulator Level Sensor Root Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG13/23/33/ 43 BR006	Piping between Accumulator and Accumulator Nitrogen Distribution Check Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG13/23/33/ 43 BR304	Piping between Accumulator and Accumulator Pressure Sensor Root Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JNG13/23/33/ 43 BR197	Piping between Accumulator and Accumulator Safety Relief Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>

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

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
30JNG10/20/30/ 40 BR005	Piping between Containment Penetrations (30JMK10 BQ101, 30JMK20 BQ201, 30JMK30 BQ301, and 30JMK40 BQ401) and LHSI 2 <sup>nd</sup> RCPB Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
30JNG13/23/33/43 BR001	Piping between Inlet of Accumulator Check Valve and Accumulator	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[1]</sup>
30JNG10/20/30/40 BR001	Piping between IRWSTS Three-Way Isolation Valve, LHSI Suction Isolation Line and SAHRS-IRWSTS 1 <sup>st</sup> Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
30JNK10/11 BR194/ 196	Piping between LHSI Discharge Line Safety Relief Valve and IRWSTS	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
30JNG10/20/30/40 BR501	Piping between LHSI Heat Exchanger and KT System Process Drain Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
30JNG10/20/30/40 BR602	Piping between LHSI Heat Exchanger and Nuclear Sampling System Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
30JNG40 BR007	Piping between LHSI Suction Line and SAHRS-IRWSTS 1 <sup>st</sup> Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JNK10/20/30/40 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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>
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 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
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 <sup>[1]</sup>
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 <sup>[1]</sup>
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 <sup>[2]</sup>
30JNG15/25/35/45 AA002	RCS Suction Line Pressurization Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JNG40 AA007	SAHRS-IRWSTS 1 <sup>st</sup> Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNG40 AA008	SAHRS-IRWSTS 2 <sup>nd</sup> Isolation Valve	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
30JNG13/23/33/43 AA005	SIS 1 <sup>st</sup> RCPB Isolation Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JNG13/23/33/43 BB001	SIS Accumulator	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
<b>JNK</b>	<b>In-Containment Refueling Water Storage Tank System</b>						
JNK	All incoming Piping and Valves to the IRWST from the Safety Injection System	S	B	I	Yes	UJA, UJH	ASME Class 2 <sup>[2]</sup>
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 <sup>[6]</sup> ; Penetrates IRWST boundary
JNK	CVCS/FPPS Suction Line: Piping and Valves from IRWST to 30JNK10 AA013	S	B	I	Yes	UJA, UJH	ASME Class 2 <sup>[2]</sup>
30JNK10 AT003	CVCS/FPPS Sump Strainer	NS-AQ	N/A	II	Yes	UJA	ANSI/AISC N690-1994(R2004)s2 <sup>[13]</sup>
JNK	FPPS supply: Piping and Valve from FAL (30FAL16 AA102) to the IRWST	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> ; Penetrates IRWST boundary

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JNK11 AA009	IRWST Isolation Valve for SAHRS	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNK10 AA009/013	IRWST Isolation Valves for CVCS and FPPS	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JNK10/11 AT004-005	IRWST Retaining Baskets	S	N/A	I	Yes	UJA	ANSI/AISC N690-1994(R2004)s2 <sup>[13]</sup>
30JNK00 BB001	IRWST Tank	S	N/A	I	Yes	UJA	ACI 349R
30JNK10/20/30/40 AA001	IRWST Three-way Isolation Valves for SIS	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
JNK	RCDT Overpressure Protection Line: Piping Downstream of RCDT to IRWST	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
JNK	Reactor Building cavities Draining: Piping from FAL (30FAL16 AA003) to the IRWST	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> ; Penetrates IRWST boundary
JNK	Reactor Building cavities overflow: Piping from FAL (30FAL10 AA411) to the IRWST	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> ; Penetrates IRWST boundary

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
JNK	SAHRS Suction Line: Piping and Valve from IRWST to 30JNK11 AA009	S	B	I	Yes	UJA, UJH	ASME Class 2 <sup>[2]</sup>
30JNK11 AT003	SAHRS Sump Strainer	NS-AQ	N/A	II	Yes	UJA	ANSI/AISC N690-1994(R2004)s2 <sup>[13]</sup>
30JNK10/11 AA004-007	SIS Strainer Back-flush Isolation Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
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 <sup>[2]</sup>
30JNK10/11 AT001-002	SIS Sump Strainers	S	N/A	I	Yes	UJA	ANSI/AISC N690-1994(R2004)s2 <sup>[13]</sup>
30JNK10/11 AT014-015	Trash Racks (IRWST Heavy Floor Opening)	S	N/A	I	Yes	UJA	ANSI/AISC N690-1994(R2004)s2 <sup>[13]</sup>
<b>LAR, LAS</b>	<b>Emergency Feedwater System</b>						
30LAR11/21/31/41 AA007	Containment Isolation Check Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LAR14/24/34/44 AA001	Discharge Cross Connect Valves	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
LAR	Discharge Header Piping and Valves	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
30LAR04 AA001	DWDS Isolation Valve	S	C	I	Yes	4UJH	ASME Class 3 <sup>[3]</sup>
30LAS11/21/31/41 AP001	EFW Pumps	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
30LAR10/20/30/40 BB001	EFW Storage Pools	S	N/A	I	Yes	UJH	ACI 349R
30LAR11/21/31/41 AA103	Flow Control Valves	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
30LAR11/21/31/41 AA002	Min Flow Check Valves	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
LAR	Piping and Valves from EFW Pools to EFW Pumps	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
LAR	Piping and Valves from EFW Pumps to Steam Generator Isolation Valves	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
LAR	Piping and Valves from Steam Generator Isolation Valves to SGs	S	B	I	Yes	UJA, UJH	ASME Class 2 <sup>[2]</sup>
30LAR11/21/31/41 AA006	Steam Generator Isolation Valves	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>

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

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
30JDH10 BR054	Hydrotest Line	NS	E	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30JDH10 AA054	Hydrotest Line Isolation Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
JDH10	Hydrotest Line Piping & Valves Upstream of & including JDH10 AA053	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30JDH10 BR021	IRWST Suction Line	NS	D	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30JDH10 AA021	IRWST Suction Line Isolation Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
JDH10/40 AP001	Pump	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
JDH10/40	Safety Relief Line Piping & Valve	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
JDH10/40	Suction Line Piping & Valves including the Interconnect	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
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 <sup>[2]</sup>
JDH10/40 BB001	Tank	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
JDH10/40	Tank Drain Line Piping & Valve	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
JDH10/40	Tank Level Measurement Piping	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
JDH10/40	Tank Refill Line Piping Downstream of & including the Check Valve	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
JDH10/40	Tank Refill Line Piping Upstream of the JDH10/40 AA012	NS	D	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
JDH10/40	Test Line Piping, Valves, & Flow Restrictor	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30JDH10 BR051	VCT Suction Line	NS	E	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JDH10 AA051	VCT Suction Line Isolation Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
<b>JMT</b>	<b>Combustible Gas Control System</b>						
JMT20	Convection Foils	NS-AQ	B	NSC	No	UJA	
JMT20	Hydrogen Mixing Damper	NS-AQ	B	NSC	No	UJA	
JMT10	Passive Autocatalytic Recombiner	NS-AQ	B	II	Yes	UJA	Located above safety-related equipment
JMT20	Rupture Foils	NS-AQ	B	NSC	No	UJA	
<b>JMQ</b>	<b>Severe Accident Heat Removal System</b>						
30JMQ40/41/42/43 AA001/002	Containment Isolation Valves	S	B	I	Yes	UJH	ASME Class 2 <sup>[2]</sup>
30JMQ42 BR005/007	Passive Flooding line up to and including MOV (JMQ42 AA007/009)	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JMQ41 BR004	Piping - Spray Header and Nozzles	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> ; Located above safety-related piping and equipment
30JMQ40	Piping and associated equipment in Safeguards Building	NS	D	NSC	No	UJH	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30JMQ41/43	Piping and associated equipment inside Containment	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> ; Located in close proximity to safety-related piping and equipment
30JMQ42	Piping and associated equipment inside Containment (except Passive Flooding Line)	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup> ; Located in close proximity to safety-related piping and equipment
30JMQ41/42/43	Piping in Safeguards Building	NS-AQ	D	II	Yes	UJH	ANSI/ASME B31.1 <sup>[6]</sup> ; Located in close proximity to safety-related piping and equipment
30JMQ40 AC001	SAHRS Heat Exchanger	NS	D	NSC	No	UJH	Manufacturer Standards
30JMQ40 AP001	SAHRS Pump	NS	D	NSC	No	UJH	Manufacturer Standards
<b>JMB</b>	<b>Core Melt Stabilization System</b>						
JMB40 AC	Cooling Structure	NS	D	NSC	No	UJA	Manufacturer Standards

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
JMB20 AB001	Gate	NS	D	NSC	No	UJA	Manufacturer Standards
JMB30	Melt Discharge Channel	NS-AQ	D	II	Yes	UJA	Manufacturer Standards; Helps support the structural integrity of reactor pit
JMB30 BU001	Melt Discharge Channel - Refractory Layer	NS	D	NSC	No	UJA	Manufacturer Standards
JMB20	Melt Plug – Sacrificial Concrete	NS	D	NSC	No	UJA	ACI, Manufacturer Standards
JMB10	Reactor Cavity – Sacrificial Concrete	NS	D	NSC	No	UJA	ACI, Manufacturer Standards
JMB10 BU001	Refractory Layer: Reactor Cavity, Melt Discharge Channel	NS	D	NSC	No	UJA	Manufacturer Standards
JMB40	Spreading Area – Sacrificial Concrete	NS	D	NSC	No	UJA	Manufacturer Standards
<b>NUCLEAR FUEL SYSTEM</b>							
N/A	<b>Nuclear Fuel</b>	S	N/A	I	Yes	UJA, UFA	
<b>NSSS SUPPORT SYSTEMS</b>							
<b>FAK, FAL</b>	<b>Fuel Pool Cooling &amp; Purification System</b>						
FAL	Balance of FAL Piping	NS	D	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
FAL	Containment Isolation Pressure Boundary Piping	S	B	I	Yes	UJA, UFA	ASME Class 2 <sup>[2]</sup>
30FAK10/20 AA001	FPC Control Valves	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30FAK10/20 AC001	FPC Heat Exchangers	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30FAK11/12/21/22 AP001	FPC Pumps	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30FAK10/20 AA601	FPC Sampling Isolation Valves	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30FAL23 AT002	FPP Ion Exchanger	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30FAL23 AT003	FPP Post Filter	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30FAL23 AT001	FPP Pre-Filter	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30FAL29 AT001	FPP Resin Sieve	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30FAL22 AP001	Fuel Building Purification Pump	NS	D	NSC	No	UFA	ASME VIII <sup>[8]</sup>
30FAL21 AT001	Fuel Building Skimmer Filter	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30FAL21 AP001	Fuel Building Skimming Pump	NS	D	NSC	No	UFA	ASME VIII <sup>[8]</sup>
30FAL40 AA002	Fuel Transfer Tube Containment Isolation Valve (Inner)	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30FAL40 AA001	Fuel Transfer Tube Containment Isolation Valve (Outer)	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30FAL10 AA003	ILCO Outlet Isolation Valve	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
FAK	Piping and Valves between Spent Fuel Pool and FPC Pumps	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
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 <sup>[3]</sup>
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 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30FAL12 AA001	Reactor Building Purification Containment Isolation Valve (Inner)	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30FAL12/15 AA002	Reactor Building Purification Containment Isolation Valves (Outer)	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30FAL12 AP001	Reactor Building Purification Pump	NS	D	NSC	No	UFA	ASME VIII <sup>[8]</sup>
30FAL11 AP001	Reactor Building Skimming Pump	NS	D	NSC	No	UJA	ASME VIII <sup>[8]</sup>
30FAL02 AP001-002	Spent Fuel Pool Make-up Pumps	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
<b>KBA, KBD</b>	<b>Chemical &amp; Volume Control System</b>						
30KBA20 AA104	3-Way Control Valve to KBB	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA20 AA001	3-Way Valve to KBE	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA20 AA002	3-Way Valve to KBG	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA35 AA101	3-Way Valve to Pressurizer Spray	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
KBD	All System Piping to Check Valve KBD11 AA016	NS	E	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA14 AA107	Back-Pressure Control Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA34 AA101	Charging Header Flow Control Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA34 AA003	Charging Line Containment Isolation Check Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30KBA34 AA002	Charging Line Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30KBA34 AA012	Charging Line Isolation Valve	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KBA34 AA191	Charging Line Relief Valve	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[3]</sup>
KBA	Charging Piping from Containment Isolation Valve KBA34 AA002 to Check Valve KBA34 AA003	S	B	I	Yes	UJA, UFA	ASME Class 2 <sup>[2]</sup>
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 <sup>[1]</sup>
30KBA31/32 AA005	Charging Pump Minimum Flow Valves	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[6]</sup>
30KBA31/32 AA191	Charging Pump Suction Relief Valves	NS-AQ	D	NSC	Yes	UFA	ASME VIII <sup>[8]</sup>
30KBA31/32 AP001	Charging Pumps	NS-AQ	D	NSC	Yes	UFA	Manufacturer Standards
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 <sup>[2]</sup>
30KBA25 BT001	Gas Separator	NS-AQ	D	NSC	Yes	UFA	ASME VIII <sup>[8]</sup>
30KBA11/12 AA001	HP Cooler Inlet Valves	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KBA11/12 AA003	HP Cooler Outlet Valves	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KBA11/12 AC001	HP Coolers	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KBA11/12 AA102	HP Reducing Stations	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KBA25 AA101	Hydrogen Control Valve to Hydrogenation Station	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA25 AA006	Hydrogen Gas Isolation Valve to Hydrogenation Station	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA31 AA013	Isolation Valve from IRWST	NS-AQ	D	NSC	Yes	UFA	ASME VIII <sup>[8]</sup>
30KBA20 AA601	Isolation Valve to KUA	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA14 AA009/011	Isolation Valves to KTA	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KBA14 AA191	Letdown Line Relief Valve	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KBA14 AA192	Letdown Line Relief Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA20 AA191	Letdown Line Relief Valve	NS-AQ	D	NSC	Yes	UKA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA25 AA191	Letdown Line Relief Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
KBA	Letdown Piping from RCS to Downstream of Valve KBA10 AA002	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
KBA	Letdown Piping from Valve KBA10 AA002 to Inside Containment Isolation Valve KBA14 AA002	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[6]</sup>
30KBD11 BB001	Lithium Hydroxide Injection Tank	NS	E	NSC	No	UFA	API 650 <sup>[11]</sup>
30KBD11 BB002	Lithium Hydroxide Preparation Tank	NS	E	NSC	No	UFA	API 650 <sup>[11]</sup>
KBA	Low Pressure Letdown Piping in Fuel building from JNX to Downstream of Valve KBA14 AA004	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30KBA14 AA106	LP Reducing Station	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30KBA14 AA004	LP Reducing Station Isolation Valve	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30KBA31/32 BZ001	Mixing Elements	NS-AQ	D	NSC	Yes	UFA	ASME VIII <sup>[8]</sup>
30KBA25 BZ001	Mixing Pipe	NS-AQ	D	NSC	Yes	UFA	ASME VIII <sup>[8]</sup>



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KBA20 AA021	Nitrogen Supply Valve to VCT	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
KBD	Piping from Check Valve KBD11 AA016 to Charging Pump Suction Piping	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA35 AA002	Pressurizer Spray Check Valve	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30KBA35 AA001	Pressurizer Spray Isolation Valve	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KBA25 AA017	Prevent Dilution Valve	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30KBA21 AA001/009	Prevent Dilution Valves	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30KBA34 AA018-021	RC Pressure Boundary Check Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30KBA10 AA001-002	RC Pressure Boundary Valves	S	A	I	Yes	UJA	ASME Class 1 <sup>[1]</sup>
30JEW01 AT001-002	RCP Seal Injection Filters	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30JEW01 AA101	RCP Seal Injection Flow Control Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30JEW11/21/31/41 AA111	RCP Seal Injection Flow Control Valves	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
JEW	RCP Seal Injection from Check Valve JEW01 AA006 to RCPs	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
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 <sup>[6]</sup>
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 <sup>[2]</sup>
30JEW50 AA001	RCP Seal Leak-off Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEW50 AA002	RCP Seal Leak-off Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30JEW50 AT001	RCP Seal Leak-off Filter	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
JEW	RCP Seal Leakoff Piping from Outside Containment Isolation Valve to Charging Piping	NS-AQ	D	NSC	Yes	UFA, UKA	ANSI/ASME B31.1 <sup>[6]</sup>
JEW	RCP Seal Leakoff Piping from RCPs to Inside Containment Isolation Valve JEW50 AA001	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30JEW50 AA104	RCP Seal Leak-off Pressure Regulating Valve	NS-AQ	D	NSC	Yes	UFA	ASME VIII <sup>[8]</sup>
30JEW50 AA191	RCP Seal Leak-off Relief Valve	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30JEW50 AA021	RCP Seal Leak-off to KTA	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KBA10 AC001	Regenerative Heat Exchanger	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KBA34 AA007	Regenerative Heater 3-Way Bypass Valve	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30JEW01 AA006	Seal Injection Containment Isolation Check Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JEW01 AA005	Seal Injection Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30KBA25 BB001	Stand Pipe	NS-AQ	D	NSC	Yes	UFA	ASME VIII <sup>[8]</sup>
30KBA20 BB001	Volume Control Tank	NS-AQ	D	NSC	Yes	UFA	ASME VIII <sup>[8]</sup>
30KBA21 AA191	Volume Control Tank Relief Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
30KBA25 BN001	Water Jet Pump	NS-AQ	D	NSC	Yes	UFA	Manufacturer Standards
30KBA25 AA007	Water Jet Pump Inlet Isolation Valve	NS-AQ	D	NSC	Yes	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
<b>FAA, FAB, FAE, FAF, FB, FC</b>	<b>Fuel Handling System</b>						
SMF01	Auxiliary Crane	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992, ASME NOG-1

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
FCD30	CCU (Fuel Building)	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Must maintain structural integrity during earthquake
FCB30	CCU (Reactor Building)	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Must maintain structural integrity during earthquake
FCB63	Control Rod Drive Shaft Handling Tool	NS	E	NSC	No	UJA	ANS 57.1-1992
FCB62	Control Rod Drive Shaft Unlatching/Latching Tool	NS	E	NSC	No	UJA	
FCJ04	Conveyor Car and Drive	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCD40	Defective FAIs Storage Adaptor	NS	E	NSC	No	UFA	ANS 57.1-1992
FCJ06	Emergency Manual Drive System for Conveyor Car	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
FCD07	FAs Guide System	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCJ01	Fuel Transfer Tube Facility (Except FCJ05)	NS-AQ	D	II	Yes	UJA, UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment and must maintain structural integrity
FCB61	Instrumentation Guide Funnel Tool	NS	E	NSC	No	UJA	
FCB60	Instrumentation Lance Handling Tool	NS	E	NSC	No	UJA	
FCB64	Lance Finger Cutting Tool	NS	E	NSC	No	UJA	
FAA01	New Fuel Storage Racks	S	C	I	Yes	UFA	ANS 57.3-1983
FCD10	NFE (Entire Assembly)	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
FCB01	RM (Entire Assembly)	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCB02	RM Bridge	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCB05	RM FAIs Hoist	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCB04	RM FAs Hoist	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCB08	RM ISH	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
FCB07	RM Mast & Gripper (FAIs)	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCB06	RM Mast & Gripper (FAs)	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCB03	RM Trolley	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCB10	RM Video Core Mapping	NS	E	NSC	No	UJA	
FCD01	SFM (Entire Assembly)	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCD02	SFM Bridge	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
FCD04	SFM Hoist	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCD05	SFM Mast & Gripper	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCD06	SFM Tower & Rotation Device	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCD03	SFM Trolley	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCJ05	Transfer Tube, Expansion Joints (Compensators), and Isolation Valves	S	B	I	Yes	UJA, UFA	ASME Class 2 <sup>[2]</sup>
FAB02	Underwater Fuel Racks	S	C	I	Yes	UFA	ANS 57.2-1983

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
FCJ08	Up-Ender and Track (Fuel Building)	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCJ07	Up-Ender and Track (Reactor Building)	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCJ03	Up-Ender Hoist (Fuel Building)	NS-AQ	D	II	Yes	UFA	ANS 57.1-1992; Located in close proximity to safety-related equipment
FCJ02	Up-Ender Hoist (Reactor Building)	NS-AQ	D	II	Yes	UJA	ANS 57.1-1992; Located in close proximity to safety-related equipment
<b>KBB</b>	<b>Coolant Supply &amp; Storage System</b>						
30KBB11/12/13/ 14/ 15/16 BB001	Storage Tanks	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
KBB	All KBB System Piping	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup>

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
<b>KBC</b>	<b>Reactor Boron &amp; Water Makeup System</b>						
KBC	Boric Acid Mixing Tank, Feed Pump and their Connected Equipment	NS	E	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , ASME VIII <sup>[8]</sup>
KBC	Boric Acid Storage Pumps and their Connected Equipment	NS	D	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , ASME VIII <sup>[8]</sup>
KBC	Boric Acid Storage Tanks and their Connected Equipment except 30KBC21/22 AA191	NS	D	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , ASME VIII <sup>[8]</sup>
30KBC21/22 AA003	Boric Acid Storage Tanks to GWPS Isolation Valves	NS-AQ	D	RS	No	UFA	ANSI/ASME B31.3 <sup>[9]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , ASME VIII <sup>[8]</sup> , RG 1.143
KBC	Demineralized Water Pumps and their Connected Equipment	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , ASME VIII <sup>[8]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
<b>KBF</b>	<b>Coolant Treatment System</b>						
30KBF25 AC001	After Cooler	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AT001	Boric Acid Column (Evaporator)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF22 AP001	Boric Acid Delivery Pump	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AP003-004	Boric Acid Delivery Pumps	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF21 AP001	Boric Acid Metering Pump	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AP001-002	Circulating Pumps	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AA103-104	Concentration Control Valves (Boric Acid)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 BB002	Condensate Collector	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>

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

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KBF40 AP001	Degasifier Extraction Pump	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF40 AC005	Degasifier Heater	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AC007	Electrical Pre-heater (Circulation)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AC002	Evaporator	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF11/12 AP001	Evaporator Feed Pumps	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AC004	Gas Cooler (Condensate)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF40 AC004	Gas Cooler (Degasifier)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF40 AA101	Level Control Valve (Degasifier Column)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KBF20 AA101-102	Level Control Valves (Boric Acid/ Evaporator Column)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AA105-106	Level Control Valves (Condensate Collector)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF23/24 AA101	Level Control Valves (Condensate Tank)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF40 AC001	Make-up Water Preheater	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AC005	Recuperative Boric Acid Cooler	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AC001	Recuperative Preheater	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF40 AC003	Reflux Condenser	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF40 AA192	Safety Valve (Downstream of Make-up Water Preheater)	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KBF11/12/20/40 AA191	Safety Valves	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF20 AA192/194	Safety Valves	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF35 AC001	Seal Water Cooler	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF35 AP001-002	Seal Water Pumps	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF35 AT001	Seal Water Strainer	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF35 BB001	Seal Water Tank	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
30KBF31/32/33 AN001	Vapor Compressors	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
KBF	All KBF System Piping	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup>



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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
<b>KBG</b>	<b>Coolant Degasification System</b>						
30KBG20 AH501	Anti-Condensation Heater for Extraction Pump Motor	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG10 AP001	Degasification Circulation Pump	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG10 AT001	Degasifier Column	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG10 AC001	Degasifier Column Electric Heater	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG20 AP001	Degasifier Extraction Pump	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG10 AC002	Degasifier Gas Condenser	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG10 AC003	Degasifier Gas Cooler	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG30 AN001	Degasifier Vacuum Pump	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG10 BB301	Reference Vessel CL001	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG10 BB302	Reference Vessel CL002	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG30 AC001	Sealing Liquid Cooler	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBG30 AT001	Sealing Liquid Strainer	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KBG30 BB001	Sealing Liquid Tank	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
KBG	Balance of KBG System	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
<b>KBE</b>	<b>Coolant Purification System</b>						
30KBE10 AT001	Coolant Filter	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBE10 AT003	Coolant Filter	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBE10 AT005	Coolant Filter	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
KBE	KBE System Piping in UFA	NS	D	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
KBE	KBE System Piping in UKA and UKS	NS	D	NSC	No	UKA, UKS	ANSI/ASME B31.1 <sup>[6]</sup>
30KBE11/12/20 AT001	Mixed Bed Ion Exchangers	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBE17 BB001	Overflow Tank	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBE40 AP001	Resin Flush Pump	NS	D	NSC	No	UKS	ASME VIII <sup>[8]</sup>
30KBE40 AT002	Resin Sieve	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBE11/12/20 AT002	Resin Sieves	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBE31/32 AT001	Resin Sieves	NS	D	NSC	No	UKS	ASME VIII <sup>[8]</sup>
30KBE10 AT002	Resin Trap	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBE10 AT004	Resin Trap	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KBE20 AT003	Resin Trap	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KBE31/32 BB001	Resin Waste Tanks	NS	D	NSC	No	UKS	ASME VIII <sup>[8]</sup>
30KBE40 AT001	Sieve	NS	D	NSC	No	UKS	ASME VIII <sup>[8]</sup>
<b>ELECTRICAL SYSTEMS</b>							
<b>BGA, BRA, BRU01, BRW, BTD, BTP, BUC, BUW</b>	<b>Class 1E Uninterruptible Power Supply System</b>						
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	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	Class 1E 480 V Motor Control Centers	S	N/A	I	Yes	UJK	
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	Panelboards	S	N/A	I	Yes	UJK	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
<b>BD, BM, BN</b>	<b>Emergency Power Supply System</b>						
31/32/33/34BMA	Class 1E 480 V Load Centers	S	N/A	I	Yes	UJK	
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	
31/32/33/34BNA02	Class 1E 480 V Motor Control Centers	S	N/A	I	Yes	UJK	
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	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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	
31/34BMT01/ 02/03	Class 1E 6.9 kV to 480 V Transformers	S	N/A	I	Yes	1UJK, 4UJK	
32/33BMT01/02	Class 1E 6.9 kV to 480 V Transformers	S	N/A	I	Yes	2UJK, 3UJK	
<b>BRB, BRC, BRU03, BRV, BRX, BTB, BTM, BUD, BUE, BUV, BUX</b>	<b>12 Hour Uninterruptible Power Supply System</b>						
31/32/33/34BUX	250 Vdc - 24 Vdc Converters (NI)	NS-AQ	N/A	NSC	No	UJK	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
31/32BRV	250 Vdc - 24 Vdc Converters (TI)	NS-AQ	N/A	NSC	No	UBA	RG 1.155
31/32/33/34BUE	250 Vdc Switchboards (NI)	NS-AQ	N/A	NSC	No	UJK	
31/32BUD	250 Vdc Switchboards (TI)	NS-AQ	N/A	NSC	No	UBA	RG 1.155
31/32/33/34BRX	480 Vac - 24 Vdc Converters (NI)	NS-AQ	N/A	NSC	No	UJK	
31/32BUV	480 Vac - 24 Vdc Converters (TI)	NS-AQ	N/A	NSC	No	UBA	RG 1.155
31/32/33/34BRB	480 Vac Motor Control Centers (NI)	NS-AQ	N/A	NSC	No	UJK	
31/32BRC	480 Vac Motor Control Centers (TI)	NS-AQ	N/A	NSC	No	UBA	RG 1.155
31/32BTD01	Batteries	NS-AQ	N/A	NSC	No	UBA	RG 1.155
30/31/32BTM01	Battery Chargers	NS-AQ	N/A	NSC	No	UBA	RG 1.155
31/32BRU03	Inverter with Static Bypass Switches	NS-AQ	N/A	NSC	No	UBA	RG 1.155
<b>BG, BJ, BL, BZL</b>	<b>Lighting &amp; Small Power System</b>	NS	N/A	NSC	No	All	NFPA 101
BG, BJ, BL, BZL	Emergency Lighting	NS-AQ	N/A	NSC	No	All	NFPA 101

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
<b>BRJ, BRU02, BRZ, BTA, BTL, BUB, BUM, BUZ</b>	<b>Non-Class 1E Uninterruptible Power Supply System</b>						
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	
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	

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<b>BB, BF, BH</b>	<b>Normal Power Supply System</b>						
31/32/33/34BBC	Class 1E 13.8 kV Switchgear	S	N/A	I	Yes	UJK	RCP circuit breaker trip function is Safety Related
35BFT05	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	
35/36BFT07	Non-Class 1E 13.8 kV - 480 V Transformers	NS	N/A	NSC	No	UQA	
36BFT05/06	Non-Class 1E 13.8 kV - 480 V Transformers	NS	N/A	NSC	No	UKS	
35BBT07	Non-Class 1E 13.8 kV - 6.9 kV Transformer	NS	N/A	NSC	No	Site Specific	



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
36BBT07	Non-Class 1E 13.8 kV - 6.9 kV Transformer	NS	N/A	NSC	No	UKS	
31/32/33/34BBT08	Non-Class 1E 13.8 kV - 6.9 kV Transformers	NS	N/A	NSC	No	UBA	
31/32/33/34/35/36BBA	Non-Class 1E 13.8 kV Switchgear	NS	N/A	NSC	No	UBA	
35/36BBD	Non-Class 1E 13.8 kV Switchgear	NS	N/A	NSC	No	UQA	
35BFE	Non-Class 1E 480 V Load Center	NS	N/A	NSC	No	Site Specific	
36BFE	Non-Class 1E 480 V Load Center	NS	N/A	NSC	No	UKS	
36BFF	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	
31/32BFC	Non-Class 1E 480 V Load Centers	NS	N/A	NSC	No	UBA	

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31/32BFX	Non-Class 1E 480 V Load Centers	NS-AQ	N/A	NSC	No	UBA	RG 1.155
35/36BFG	Non-Class 1E 480 V Load Centers	NS	N/A	NSC	No	UQA	
35BHE01	Non-Class 1E 480 V Motor Control Center	NS	N/A	NSC	No	Site Specific	
36BHE01	Non-Class 1E 480 V Motor Control Center	NS	N/A	NSC	No	UKS	
36BHF01	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	

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31/32BHX01	Non-Class 1E 480 V Motor Control Centers	NS-AQ	N/A	NSC	No	UBA	RG 1.155
31/32BFT08	Non-Class 1E 6.9 kV - 480 V Transformers	NS-AQ	N/A	NSC	No	UBA	RG 1.155
31/32/33/34BBH	Non-Class 1E 6.9 kV Switchgear	NS-AQ	N/A	NSC	No	UBA	RG 1.155
35/36BBG	Non-Class 1E 6.9 kV Switchgear	NS	N/A	NSC	No	Site Specific	
<b>ACD</b>	<b>Offsite Power System</b>						
30BBT01/02/03	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	
<b>BA, CHA, MK</b>	<b>Power Transmission (Main Generator, Main Transformer, Protection &amp; Synch)</b>						
30BAT01/02/03	27 kV - 500 kV Main Generator Stepup Transformers	NS	N/A	NSC	No	UBF	
30BAT04	Main Generator Neutral Ground Transformer	NS	N/A	NSC	No	UBA	
30MKT01	Main Generator Excitation Transformer	NS	N/A	NSC	No	UBA	

**Table 3.2.2-1—Classification Summary**  
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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30MKC01	Main Generator Exciter	NS	N/A	NSC	No	UBA	
30MKA	Main Generator	NS	N/A	NSC	No	UBA	
<b>BAW</b>	<b>Lightning Protection &amp; Grounding System</b>	NS	N/A	NSC	No	UZT	
<b>I&amp;C SYSTEMS</b>							
<b>JR, CLE, CLF, CLG, CLH</b>	<b>Protection System</b>						
JR	Components used for Accident Monitoring Functions	S	N/A	I	Yes	UJK	
30CLF35	Gateway, Division 2	NS-AQ	N/A	II	Yes	2UJK	Located in close proximity to safety-related equipment
30CLG35	Gateway, Division 3	NS-AQ	N/A	II	Yes	3UJK	Located in close proximity to safety-related equipment
JR	Service Unit	NS-AQ	N/A	II	Yes	UJK	
JR	Balance of Protection System	S	N/A	I	Yes	UJK	

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
<b>DS, CLE6, CLF6, CLG6, CLH6</b>	<b>Priority &amp; Actuator Control System</b>						
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	Severe Accident Priority & Actuator Control System Cabinets	NS-AQ	N/A	II	Yes	UJK	Located in close proximity to safety-related equipment
<b>DR</b>	<b>Safety Automation System</b>						
DR	Components used for Accident Monitoring Functions	S	N/A	I	Yes	UBP, UBZ, UJA, UJK, UFA	
DR	Balance of DR System	S	N/A	I	Yes	UBP, UBZ, UJA, UJK, UFA	
<b>CWY</b>	<b>Safety Information &amp; Control System</b>						
CWY	SICS Cabinets	S	N/A	I	Yes	UJK	
CWY	SICS QDS for Safety Related I&C Functions	S	N/A	I	Yes	2UJK, 3UJK	
CWY	SICS QDS for Non-Safety Related I&C Functions	NS-AQ	N/A	II	Yes	2UJK	

**Table 3.2.2-1—Classification Summary**  
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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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	
<b>CW</b>	<b>Main Control Room</b>	S	N/A	I	Yes	2UJK, 3UJK	Those portions required to maintain the integrity of the Control Room boundary and envelope
<b>JKR</b>	<b>Reactor Pressure Vessel Level Measurement System</b>	S	N/A	I	Yes	UJA	
<b>JKS, JKQ</b>	<b>Incore Instrumentation System</b>						
JKQ	Aeroball Measurement System Components and Associated Cabinets	NS-AQ	N/A	II	Yes	UJA	Components located inside and outside the reactor Vessel

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
JKS	Core Outlet Temperature Thermocouples	S	N/A	I	Yes	UJA	
JKS	Reactor Pressure Vessel Dome Temperature Measurement Subsystem	NS-AQ	N/A	II	Yes	UJA	Thermocouples are located inside the reactor Vessel
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
<b>JKT</b>	<b>Excore Instrumentation System</b>						
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	
JKT	Non-Safety Portions of JKT System	NS-AQ	N/A	II	Yes	UJA	

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
CPF	Boron Concentration Measurement System	S	N/A	I	Yes	UFA	
JYK	<b>Radiation Monitoring System</b>						JYK takes input from sensors in other systems
30JYK15/28 CR101	High Range Dose Rate Monitors	S	N/A	I	Yes	UJA	
JYK	Balance of JYK System	NS	N/A	NSC	No	UJA, UFA, UJH, UJK, UKS, UKA	
<b>BUA</b>	<b>Control Rod Drive Control System</b>						
BUA	Contactors only	S	N/A	I	Yes	1UJK, 4UJK	
BUA	Balance of Control Rod Drive Control System	NS-AQ	N/A	II	Yes	1UJK, 4UJK	
<b>CXA</b>	<b>Remote Shutdown Station</b>	NS-AQ	N/A	I	No	3UJK	The RSS is not a separate structure, but is part of Safeguards Building 2/3 and herefore inherits Seismic Category I.



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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
<b>CR</b>	<b>Process Automation System</b>						
CR	Components used for Accident Monitoring Functions	NS-AQ	N/A	NSC	No	UJK, UBP, UBA, UAA	
CR	Components used for Accident Monitoring Functions (adjacent to Safety Related Equipment)	NS-AQ	N/A	II	Yes	UJK, UBP	Located in close proximity to safety-related equipment
CR	PAS Subsystems: Diverse Actuation System (DAS - adjacent to Safety Related Equipment)	NS-AQ	N/A	II	Yes	UJK	Located in close proximity to safety-related equipment
CR	PAS Subsystems: Diverse Actuation System	NS-AQ	N/A	NSC	No	UJK	
CR	PAS Subsystem: NIS, TIS, BPS	NS	N/A	NSC	No	UJK, UBP, UBA, UAA	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
CR	PAS Subsystem: NIS, TIS, BPS (adjacent to Safety Related Equipment)	NS-AQ	N/A	II	Yes	UJK, UBP	Located in close proximity to safety-related equipment
<b>CRU</b>	<b>Process Information &amp; Control System</b>	NS-AQ	N/A	II	Yes	2UJK, 3UJK	
<b>CYE</b>	<b>Plant Fire Alarm System</b>	NS-AQ	N/A	NSC	No	All	NFPA
<b>JMU</b>	<b>Hydrogen Monitoring System</b>						
JMU	Containment Isolation Valves and Associated Piping	S	B	I	Yes	UJA, 1UJH, 4UJH	ASME Class 2 <sup>[2]</sup>
30JMU50/51 BZ001-004	Gas Samplers	NS-AQ	N/A	II	Yes	UJA	
30JMU20 CQ001-007	Hydrogen Sensors	S	N/A	I	Yes	UJA	
30JMU10 CQ001-005	Hydrogen Sensors	NS-AQ	N/A	II	Yes	UFA	
30JMU50/51 GH001	Local Control Unit	NS-AQ	N/A	II	Yes	1UJH, 4UJH	

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
JMU	Piping inside Containment up to Process and Analysis Modules outside Containment (except Containment Isolation)	NS-AQ	C	II	Yes	UJA, 1UJH, 4UJH	ASME Class 3 <sup>[3]</sup>
30JMU50/51 BZ010	Process and Analysis Module	NS-AQ	N/A	II	Yes	1UJH, 4UJH	
30JMU10 GH001	Signal Processing Unit	S	N/A	I	Yes	1UJH, 4UJH	
<b>JS</b>	<b>Reactor Control, Surveillance &amp; Limitation System</b>	NS-AQ	N/A	II	Yes	UJA, UJH	
<b>JZ, CS</b>	<b>Severe Accident Instrumentation &amp; Control</b>						JZ takes input from sensors in other systems
30CSE01 GW001	Severe Accident I&C Cabinet, Division 1	NS-AQ	D	NSC	Yes	1UJK	
30CSF01 GW001	Severe Accident I&C Cabinet, Division 2	NS-AQ	D	NSC	Yes	2UJK	
30CSG01 GW001	Severe Accident I&C Cabinet, Division 3	NS-AQ	D	NSC	Yes	3UJK	
30CSH01 GW001	Severe Accident I&C Cabinet, Division 4	NS-AQ	D	NSC	Yes	4UJK	
<b>JYH</b>	<b>Leak Detection Systems</b>						

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
JYH	Leakage Detection Remote Computer	NS	N/A	NSC	No	UJK	
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.
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.
JYL	<b>Fatigue Monitoring System</b>	NS-AQ	N/A	II	Yes	UJA	
CWT	<b>Technical Support Center</b>	NS	N/A	I	No	3UJK	The TSC is not a separate structure, but is part of Safeguards Building 2/3 and herefore inherits Seismic Category I.

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
JYF	<b>Loose Parts Monitoring System</b>	NS	N/A	NSC	No	UJA, UJH	
JYG, JYM	<b>Vibration Monitoring System</b>	NS	N/A	NSC	No	UJA, UJH	
CY	<b>Communication System</b>	NS	N/A	NSC	No	All	
N/A	<b>Turbine - Generator Instrumentation &amp; Control</b>	NS	N/A	NSC	No	UAA, UBA, UMA	
<b>DISTRIBUTED UTILITIES</b>							
<b>PE</b>	<b>Essential Service Water System</b>						
PEB80	Blowdown System Piping from Dedicated ESW train inside 4UQB	NS	E	NSC	No	4UQB	ANSI/ASME B31.1 <sup>[6]</sup>
PEB80	Blowdown System Piping from Dedicated ESW train outside 4UQB	NS	E	NSC	No	UZT	ANSI/ASME B31.1 <sup>[6]</sup>
30PED10/20/30/40 AA011	Cooling Tower Bypass Isolation Valves	S	C	I	Yes	UQB	ASME Class 3 <sup>[3]</sup>
PED10/20/30/40	Cooling Tower Bypass Piping	S	C	I	Yes	UQB, URB	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
PED10/20/30/40	Cooling Tower Distribution Piping	S	C	I	Yes	UQB, URB	ASME Class 3 <sup>[3]</sup>
30PED10/20/30/40 AA010	Cooling Tower Distribution Piping Isolation Valves	S	C	I	Yes	UQB	ASME Class 3 <sup>[3]</sup>
30PEB80 AT001	Dedicated ESW Debris Filter	NS	E	NSC	No	4UQB	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
PEB80	Dedicated ESW Piping/Components (Includes Components Listed Below, excluding Dedicated ESW Pump)	NS	E	NSC	No	4UQB, UZT, 4UJH	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , Manufacturer Standards
30PEB80 AP001	Dedicated ESW Pump	NS-AQ	D	II	Yes	4UQB	Manufacturer Standards
PEB10/20/30/40	ESW Blowdown Piping Outside UQB	NS	E	NSC	No	UZT	ANSI/ASME B31.1 <sup>[6]</sup>
30PEB10/20/30/40 AA003	ESW Blowdown System Isolation Valve	S	C	I	Yes	UQB	ASME Class 3 <sup>[3]</sup>
30PEB10/20/30/40 AA015-016	ESW Blowdown System Isolation Valve	S	C	I	Yes	UQB	ASME Class 3 <sup>[3]</sup>

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

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
PED10/20/30/40	ESW Emergency Makeup Water System Piping	S	C	I	Yes	UQB	ASME Class 3 <sup>[3]</sup>
30PED10/20/30/ 40 AA019	ESW Normal Makeup Water System Isolation Valves	S	C	I	Yes	UQB	ASME Class 3 <sup>[3]</sup>
PED10/20/30/40	ESW Normal Makeup Water System Piping downstream of Isolation Valves 30PED10/20/30/40 AA019	S	C	I	Yes	UQB	ASME Class 3 <sup>[3]</sup>
PED10/20/30/40	ESW Normal Makeup Water System Piping upstream of Isolation Valves 30PED10/20/30/40 AA019	NS	E	NSC	No	UQB	ANSI/ASME B31.1 <sup>[6]</sup>
PEB10/20/30/40	ESW Piping/ Components (Trains PEB10/20/30/40)	S	C	I	Yes	UQB, UZT, UJH, UBP	ASME Class 3 <sup>[3]</sup>
30PEB10/20/30/40 AP001	ESW Pumps	S	C	I	Yes	UQB	ASME Class 3 <sup>[3]</sup>
PEB80	ESW Valves (Dedicated Train)	NS	E	NSC	No	4UQB, UJH	ANSI/ASME B31.1 <sup>[6]</sup>



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30PEB10/20/30/40	ESW Valves (Trains PEB10/20/30/40)	S	C	I	Yes	UQB, UJH, UBP	ASME Class 3 <sup>[3]</sup>
30PED10/20/30/40 AN001-002	UHS Cooling Tower Fans	S	C	I	Yes	URB	
<b>QKA</b>	<b>Safety Chilled Water System</b>						
30QKA10/20/30/40 AP107	Running Pumps	S	C	I	Yes	UJK	ASME Class 3 <sup>[3]</sup>
30QKA10/20/30/40 AP108	Standby Pumps	S	C	I	Yes	UJK	ASME Class 3 <sup>[3]</sup>
30QKA10/40 AH112	Air Cooled Chillers	S	C	I	Yes	UJK	ASME Class 3 <sup>[3]</sup>
30QKA20/30 AH112	Water Cooled Chillers	S	C	I	Yes	UJK	ASME Class 3 <sup>[3]</sup>
30QKA10/20/30/40 BB101	Expansion Tanks	S	C	I	Yes	UJK	ASME Class 3 <sup>[3]</sup>
QKA	All Valves and Instruments	S	C	I	Yes	UJK, UJH, UFA	ASME Class 3 <sup>[3]</sup>
QKA	All Piping and Supports	S	C	I	Yes	UJK, UJH, UFA	ASME Class 3 <sup>[3]</sup>
<b>KA</b>	<b>Component Cooling Water System</b>						
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 <sup>[3]</sup>

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

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
30KAB60/70 AA014/018	CCWS Inner Containment Isolation Valves for Return from RCPs and CVCS Coolers	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30KAA22/32 AA013	CCWS Isolation Valves to LSHI Pump Seal Coolers	S	C	I	Yes	2UJH, 3UJH	ASME Class 3 <sup>[3]</sup>
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 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
KAB50/80	CCWS Non-Safety Related Piping and Valves in UKS or UKA	NS	E	NSC	No	UKA, UKS	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KAB40 AA006	CCWS Outer Containment Isolation Valve for Return from Containment HVAC and RC Drain Cooler	S	B	I	Yes	1UJH	ASME Class 2 <sup>[2]</sup>
30KAB40 AA001	CCWS Outer Containment Isolation Valve for Supply to Containment HVAC and RC Drain Cooler	S	B	I	Yes	1UJH	ASME Class 2 <sup>[2]</sup>
30KAB30 AA049/052	CCWS Outer Containment Isolation Valves for RCP Thermal Barrier	S	B	I	Yes	1UJH	ASME Class 2 <sup>[2]</sup>
30KAB30 AA053/056	CCWS Outer Containment Isolation Valves for RCP Thermal Barrier	S	B	I	Yes	4UJH	ASME Class 2 <sup>[2]</sup>
30KAB60/70 AA019	CCWS Outer Containment Isolation Valves for Return from RCPs and CVCS Coolers	S	B	I	Yes	1UJH, 4UJH	ASME Class 2 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KAB60/70 AA013	CCWS Outer Containment Isolation Valves for Supply to RCPs and CVCS Coolers	S	B	I	Yes	1UJH, 4UJH	ASME Class 2 <sup>[2]</sup>
KAA10/12/20/22/30/32/40/42	CCWS Piping and Valves in UJH	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
30KAA10/20/30/40 AP001	CCWS Pumps	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
30KAA10/20/30/40 BB001	CCWS Surge Tanks (Pools)	S	C	I	Yes	UJH	Liner: ASME Class 3 <sup>[3]</sup>
30KAA12/22/32/42 AA005	CCWS to LHSI Heat Exchanger Isolation Valves	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
30KAB80 AA019	CCWS UKA Common 1.B Return Isolation Valve	S	C	I	Yes	1UJH	ASME Class 3 <sup>[3]</sup>
30KAB80 AA015-016	CCWS UKA Common 1.B Supply Isolation Valves	S	C	I	Yes	1UJH	ASME Class 3 <sup>[3]</sup>
30KAB50 AA004	CCWS UKA/UFA Common 2.B Return Isolation Valve	S	C	I	Yes	4UJH	ASME Class 3 <sup>[3]</sup>
30KAB50 AA001/006	CCWS UKA/UFA Common 2.B Supply Isolation Valves	S	C	I	Yes	4UJH	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KAA80 AC001	Dedicated CCWS Heat Exchanger	NS	E	NSC	No	2UJH	ASME VIII <sup>[8]</sup>
KAA80	Dedicated CCWS Piping and Valves in the 4UJH	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30KAA80 AP201	Dedicated CCWS Pressurization Pump	NS	E	NSC	No	4UJH	Manufacturer Standards
30KAA80 AA202	Dedicated CCWS Pressurization Pump Isolation Valve	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
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 <sup>[8]</sup>
30KAA80 AA021	Dedicated CCWS Surge Tank Nitrogen Supply Isolation Valve	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30KAA80 AA020	Dedicated CCWS Surge Tank Outlet Isolation Valve	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30KAA10/20/30/40 AA027	DWDS Supply Isolation Valves	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30KAA10/20/30/40 AA010/032	Switchover Valves Return from Common Headers	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
30KAA10/20/30/40 AA006/033	Switchover Valves Supply to Common Headers	S	C	I	Yes	UJH	ASME Class 3 <sup>[3]</sup>
<b>QN</b>	<b>Operational Chilled Water System - Nuclear Island</b>						
30QNJ41AA002-003	Containment Isolation Valves	S	B	I	Yes	UJA, UFA	ASME Class 2 <sup>[2]</sup>
30QNJ41AA027-028	Containment Isolation Valves	S	B	I	Yes	UJA, UFA	ASME Class 2 <sup>[2]</sup>
<b>GHC</b>	<b>Deminerlized Water Distribution System</b>						
30GHC11/12 AP001	Deminerlized Water Pumps	NS	E	NSC	No	UBA	Manufacturer Standards
30GHC60 AP001	Emergency Deminerlized Water Pump	NS	E	NSC	No	UBA	Manufacturer Standards
30GHC01/02 BB001	Deminerlized Water Storage Tanks	NS	E	NSC	No	UBA	AWWA D100

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[2]</sup>
GHC	System Components in UJA, UFA, UBP, and UJH	NS	E	NSC	No	UJA, UFA, UBP, UJH	ANSI/ASME B31.1 <sup>[6]</sup>
GHC	System Components in the Conventional Island, UKS, and UKA	NS	E	NSC	No	UBA, UMA, UKS, UKA	ANSI/ASME B31.1 <sup>[6]</sup>
<b>GHW</b>	<b>Seal Water Supply System</b>						
GHW	Remaining Seal Water Components and Piping Inside Safeguard Building 34UJH and the Fuel Building 30UFA	NS	E	NSC	No	4UJH, UFA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
GHW	Remaining Seal Water Components and Piping Outside Safeguard Building 34UJH and the Fuel Building 30UFA	NS	E	NSC	No	UKS, UKA, UBA, UMZ	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30GHW44 BB001	Seal Water Buffer Tank	NS	E	NSC	No	4UJH	ASME VIII <sup>[8]</sup>
30GHW45 BB001	Seal Water Buffer Tank	NS	E	NSC	No	UFA	ASME VIII <sup>[8]</sup>
30GHW44 AA003	Seal Water Check Valve	NS	E	NSC	No	4UJH	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30GHW45 AA003	Seal Water Check Valve	NS	E	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30GHW46 AA002	Seal Water Check Valve	NS	E	NSC	No	UKS	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30GHW11/12 AA002	Seal Water Check Valves	NS	E	NSC	No	UBA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30GHW11/12 AA011	Seal Water Check Valves	NS	E	NSC	No	UBA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30GHW46 AT001	Seal Water Filter	NS	E	NSC	No	UKS	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30GHW40 AA002	Seal Water NI Isolation Motor-Operated Valve	NS	E	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30GHW46 AA003/011	Seal Water Pressure Reducing Valves	NS	E	NSC	No	UKS	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30GHW46 AA191/193	Seal Water Pressure Relief Valves	NS	E	NSC	No	UKS	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
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 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>
30GHW45 AA002	Seal Water Solenoid Valve	NS	E	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30GHW44 BB302	Seal Water Tank	NS	E	NSC	No	4UJH	ASME VIII <sup>[8]</sup>
<b>GK</b>	<b>Potable &amp; Sanitary Water Systems</b>						
GK	Potable and Sanitary Water Systems	NS	E	NSC	No	UBA, UKA, UKE, UKS, UJK, UMA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
GK	GK System Components located in the UJH and UBP	NS	E	NSC	No	UJH, UBP	ANSI/ASME B31.1 <sup>[6]</sup>
<b>SGA, SGB</b>	<b>Fire Water Distribution System</b>						
SGA	Fire Water Distribution System, Conventional Area (Not Providing Safe Shutdown Earthquake Protection)	NS-AQ	D	NSC	No	USG, UZT	NFPA
SGA	Fire Water Distribution System, Conventional Area (Safe Shutdown Equipment Protection)	NS-AQ	D	II	Yes	USG, UZT	NFPA, ANSI/ASME B31.1 <sup>[6]</sup> ; Required for safe shutdown earthquake protection

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
SGB	Fire Water Distribution System, SGB Subsystem within UKS and UKA inside Nuclear Island	NS-AQ	D	NSC	No	UKS, UKA	NFPA
SGB	Fire Water Distribution System, SGB Subsystem (Safe Shutdown Equipment Protection)	NS-AQ	D	II	Yes	UBP, UFA, UJA, UJH, UJK, URB	NFPA, ANSI/ASME B31.1 <sup>[6]</sup> ; Required for safe shutdown earthquake protection
SGB	Fire water distribution system, SGB Subsystem Containment Isolation	S	B	I	Yes	UFA, UJA, UJB	ASME Class 2 <sup>[2]</sup>
<b>SGC</b>	<b>Spray Deluge Systems</b>	NS-AQ	D	NSC	No	UJA, UBP	NFPA
<b>SGE</b>	<b>Sprinkler Systems</b>	NS-AQ	D	NSC	No	UBP	NFPA
<b>SGJ</b>	<b>Gaseous Fire Extinguishing Systems</b>	NS-AQ	D	NSC	No	2UJH	NFPA
<b>SC</b>	<b>Compressed Air System</b>						
SCB	Compressed Air Distribution System	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
SCB	Compressed Air Distribution System Containment Isolation Valves	S	B	I	Yes	UFA, UJA	ASME Class 2 <sup>[2]</sup> During DBA, the motor operated containment isolation valves are closed by signals from the Protection System
SCA	Compressed Air Generation System	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
SCB	Parts 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 <sup>[6]</sup>
<b>QJ</b>	<b>Central Gas Distribution System</b>						Only Containment Isolation in scope.
QJB	Containment Isolation Valves, Associated Piping, and Penetration	S	B	I	Yes	UFA, UJA	ASME Class 2 <sup>[2]</sup>

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
<b>AUXILIARY SYSTEMS</b>							
<b>JMM</b>	<b>Leak-off System</b>						
JMM30	Containment Inflating/Deflating Subsystem - Air Intake and Discharge Piping	NS	E	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
JMM30	Containment Inflating/Deflating Subsystem - Containment Isolation Valves and Related Piping, Equipment, and Instruments	S	B	I	Yes	UFA, UJA, UJB	ASME Class 2 <sup>[2]</sup>
JMM30	Containment Inflating/Deflating Subsystem - Leak-off Pipe to JMM21/22/23 from Outer Containment Isolation Valve	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
JMM21/22/23	Containment Leakage Exhaust Subsystem - Containment Isolation Valves and Related Piping, Equipment, and Instruments	S	B	I	Yes	UJA, UJB	ASME Class 2 <sup>[2]</sup>
JMM21/22/23	Containment Leakage Exhaust Subsystem - Remaining Piping, Equipment and Instruments	S	C	I	Yes	UFA, UJA, UJB, UJH	ASME Class 3 <sup>[3]</sup>
JMM10	Containment Leaktightness Test Subsystem - Containment Isolation Valves and Related Piping, Equipment and Instruments	S	B	I	Yes	UJA, UJB, UJH	ASME Class 2 <sup>[2]</sup>
JMM10	Containment Leaktightness Test Subsystem - Remaining Piping, Equipment and Instruments	NS	E	NSC	No	UJA, UJB, UJH, UZT	ANSI/ASME B31.1 <sup>[6]</sup>

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
<b>KT</b>	<b>Nuclear Island Drain &amp; Vent Systems</b>						
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 <sup>[2]</sup>
30KTA10 AA018	Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30KTD10 AA015	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30KTD10 AA024	Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30KTC10 AA005/029	Containment Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30KTC10 AA006/010	Containment Isolation Valves	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
KTA, KTC, KTD	Containment Penetration: Piping and Valves	S	B	I	Yes	UJA, UFA	ASME Class 2 <sup>[2]</sup>
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



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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
30KTC30 AP001-002	Floor Drain 2 Pumps - UFA	NS	D	NSC	No	UFA	Manufacturer Standards
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

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
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 <sup>[8]</sup>
30KTA11 BB001	Phase Separator Drain Pot	NS	D	NSC	No	UJA	Manufacturer Standards
KTA30, KTB30, KTC30	Piping & Valves Inside UFA	NS	D	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
KTA, KTC, KTD	Piping & Valves Inside UJA	NS	D	NSC	No	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
KTA20, KTB20, KTC20	Piping & Valves Inside UJH (Controlled Areas)	NS	D	NSC	No	UJH	ANSI/ASME B31.1 <sup>[6]</sup>
KTE20	Piping & Valves Inside UJH (Non-Controlled Areas)	NS	E	NSC	No	UJH	ANSI/ASME B31.1 <sup>[6]</sup>
KTA41, KTB40, KTC40, KTD40	Piping & Valves Inside UKA	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup>
KTD60	Piping & Valves Inside UKE	NS	E	NSC	No	UKE	ANSI/ASME B31.1 <sup>[6]</sup>
KTC50/51/52/53/54	Piping & Valves Inside UKS	NS	D	NSC	No	UKS	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
KT	Piping and Valves Connected to Radwaste	NS-AQ	D	RS	No	UKA	Manufacturer Standards, RG 1.143
30KTA10 AC001	Primary Effluents Heat Exchanger	NS	D	NSC	No	UJA	Manufacturer Standards
30KTA41 BB001	Primary Leakage Measurement Bottle	NS	D	NSC	No	UJA	ASME VIII <sup>[8]</sup>
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 <sup>[8]</sup>
30KTB20 BB003	Process Drain Tank - 3UJH	NS	D	NSC	No	3UJH	ASME VIII <sup>[8]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KTA10 BB002	Process Drain Tank - UJA	NS	D	NSC	No	UJA	ASME VIII <sup>[8]</sup>
30KTB30 BB001-002	Process Drain Tanks - UFA	NS	D	NSC	No	UFA	ASME VIII <sup>[8]</sup>
30KTB40 BB001	Process Drain UKA Relay Tank	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KTA10 BB001	Reactor Coolant Drain Tank	NS	D	NSC	No	UJA	ASME VIII <sup>[8]</sup>
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 <sup>[8]</sup>
30KTA30 BB001-002	Recyclable Effluents Tanks - UFA	NS	D	NSC	No	UFA	ASME VIII <sup>[8]</sup>
30KTA20 BB001-004	Recyclable Effluents Tanks - UJH	NS	D	NSC	No	UJH	ASME VIII <sup>[8]</sup>
30KTE20 CL001-008	Sump Level Sensors	NS-AQ	D	NSC	No	UKA	Manufacturer Standards

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<b>KU</b>	<b>Nuclear Sampling System</b>						
30KUA70 BB001	Active Sample Storage Tank	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
KUA66	Argon/Nitrogen Bottles	NS	E	NSC	No	UKA	Manufacturer Standards
KUA65/66	Argon/Nitrogen Piping	NS	E	NSC	No	UKA	Manufacturer Standards
30KUA10 AC002	Boron Sample Heat Exchanger	NS-AQ	D	NSC	No	UFA	Manufacturer Standards
KUA, KUB	Chilled Water Piping Distribution (QN)	NS	E	NSC	No	UKA	Manufacturer Standards
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 <sup>[8]</sup>
30KUA10 AA003	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30KUA10 AA004	Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30KUA20 AA002	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KUA30 AA003	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30KUB10 AA001	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30KUB10 AA002	Containment Isolation Valve	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30KUA20 AA003-004	Containment Isolation Valves	S	B	I	Yes	UFA	ASME Class 2 <sup>[2]</sup>
30KUA65 AT001	Degasser	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KUA66 AT001-002	Filters	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KUA65 AT002	Gas Drier	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
KUA62	Hydrogen Piping	NS	E	NSC	No	UKA	Manufacturer Standards
30KUA80 AN001	Mobile Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KUA67 AC001-005	Multiple Heat Exchangers	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KUA69 AC001-004	Multiple Heat Exchangers	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
KUF	Piping	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
KUA	Piping & Valves (Upstream Outer Containment Isolation Valve)	S	B	I	Yes	UJA, UFA	ASME Class 2 <sup>[2]</sup>
KUA	Piping & Valves (from Boron Grab Sample)	NS-AQ	D	NSC	No	UFA, UKA	ANSI/ASME B31.1 <sup>[6]</sup>
KUB	Piping (from Outer Containment Isolation Valve)	NS	D	NSC	No	UFA, UKA	ASME VIII <sup>[8]</sup>
KUB	Piping (Upstream Outer Containment Isolation Valve)	S	B	I	Yes	UJA, UFA	ASME Class 2 <sup>[2]</sup>
30KUA10/20/30 AC001	Primary Heat Exchangers	NS-AQ	D	NSC	No	UFA	Manufacturer Standards
KUB	Remaining Valves	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup>
30KUA68 AP001	Sample Backfeed Pump	NS	D	NSC	No	UKA	Manufacturer Standards
30KUB10 BZ001	Sample Box	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KUB10 AN001	Sample Box Ventilation Pump	NS	D	NSC	No	UKA	Manufacturer Standards
KUA67/70	Sample Box/ Ventilation Piping	NS	E	NSC	No	UKA	Manufacturer Standards

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
KUB10	Sample Box/ Ventilation Piping	NS	E	NSC	No	UKA	Manufacturer Standards
30KUA66/67/70/80 BZ001	Sample Boxes	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KUA62/63/64/65 AC001	Sample Chillers	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KUA68 BB001	Sample Collecting Vessel	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30KUA70 AC001	Sample Heat Exchanger	NS	D	NSC	No	UKA	ASME VIII <sup>[8]</sup>
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 <sup>[8]</sup>
30KUA65 GH001	Thermostat	NS	E	NSC	No	UKA	Manufacturer Standards
KUF	Valves	NS	D	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup>
KUA66	Ventilation Piping	NS	E	NSC	No	UKA	Manufacturer Standards
<b>KUL</b>	<b>Severe Accident Sampling System</b>						
30KUL53 BZ001	Backfeeding Module	NS-AQ	D	NSC	No	4UJH	ASME VIII <sup>[8]</sup>
30KUL51 AA001	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KUL52 AA002	Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30KUL51/52 AA003	Containment Isolation Valves	S	B	I	Yes	4UJH	ASME Class 2 <sup>[2]</sup>
30KUL54 BZ001	Gas Sampling Module	NS-AQ	D	NSC	No	4UJH	ASME VIII <sup>[8]</sup>
KUL	Piping and Valves in 4UJH	NS-AQ	D	NSC	No	4UJH	ANSI/ASME B31.1 <sup>[6]</sup>
KUL	Piping and Valves in UFA	NS-AQ	D	NSC	No	UFA	ANSI/ASME B31.1 <sup>[6]</sup>
KUL	Piping and Valves in UJA	NS-AQ	D	NSC	No	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30KUL51/52 BZ001	Pool Samplers	NS-AQ	D	NSC	No	UJA	ASME VIII <sup>[8]</sup>
30KUL58 AP001	Proportioning Pump	NS-AQ	D	NSC	No	UFA	Manufacturer Standards
30KUL60 BZ001	Sample Box	NS-AQ	D	NSC	No	UFA	ASME VIII <sup>[8]</sup>
30KUL55 BZ001	Scrubbing Liquid Sampling Module	NS-AQ	D	NSC	No	4UJH	ASME VIII <sup>[8]</sup>
30KUL58 BB001	Sodium Hydroxide Tank	NS-AQ	D	NSC	No	UFA	API 620 <sup>[10]</sup>
30KUL56 BZ001	Sump Sampling Module	NS-AQ	D	NSC	No	4UJH	ASME VIII <sup>[8]</sup>

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	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)	<b>Emergency Diesel Generator Set</b>						
30XKA10/20/30/40 AG001	AC Synchronous Generator	S	N/A	I	Yes	UBP	IEEE 387; NEMA MG 1-2003; IEEE 112
30XJX10/20/30/40	Air Start System Receiver Inlet Check Valves to Engine	S	C	I	Yes	UBP	ASME Class 3 <sup>[3]</sup>
30XJX10/20/30/40	Air Start System Up to Receiver Inlet Check Valves	NS	E	NSC	No	UBP	ANSI/ASME B31.1 <sup>[6]</sup>
30XJQ10/20/30/40	Combustion Air System	S	C	I	Yes	UBP	ASME Class 3 <sup>[3]</sup>
30CXN10/20/30/40	Control Panels	S	N/A	I	Yes	UBP	IEEE 420
30XJG10/20/30/40	Cooling Water System	S	C	I	Yes	UBP	ASME Class 3 <sup>[3]</sup>
30XJA10/20/30/40 AV100	Diesel Engine (Excluding Engine-Driven Cooling, Lubrication, and Fuel Pumps)	S	C	I	Yes	UBP	IEEE 387
30XJA10/20/30/40 AP100	Engine Governor	S	C	I	Yes	UBP	

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
30XJR10/20/30/40	Exhaust Silencer and Exhaust Stack	NS-AQ	D	II	Yes	UBP	ANSI/ASME B31.1 <sup>[6]</sup>
30XJR10/20/30/40	Exhaust System, Bypass Valve and Duct	S	C	I	Yes	UBP	ASME Class 3 <sup>[3]</sup>
30XJN10/20/30/40	Fuel Oil System	S	C	I	Yes	UBP	ASME Class 3 <sup>[3]</sup>
30XJG10/20/30/40	Jacket Water Standby Heater Circuit	NS	E	NSC	No	UBP	ANSI/ASME B31.1 <sup>[6]</sup>
30XJV10/20/30/40	Lube Oil Keepwarm/ Prelube Circuit	NS	E	NSC	No	UBP	ANSI/ASME B31.1 <sup>[6]</sup>
30XJV10/20/30/40	Lube Oil System	S	C	I	Yes	UBP	ASME Class 3 <sup>[3]</sup>
30XJA10/20/30/40 AN100A/B	Turbochargers	S	C	I	Yes	UBP	
<b>XJA, XKA, XJG, XJN, XJQ, XJR, XJR, XJX (50/80), CXN (50/51/80/81)</b>	<b>Station Blackout Diesel Generator Set</b>						
30XKA50/80 AG001	AC Synchronous Generator	NS-AQ	N/A	NSC	No	UBA	IEEE 387, NEMA MG 1-2003; IEEE 112
30XJR50/80	Air Exhaust System	NS-AQ	D	NSC	No	UBA	ANSI/ASME B31.1 <sup>[6]</sup>
30CXN50/80	Control Panels	NS-AQ	N/A	NSC	No	UBA	IEEE 420

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30XJG50/80	Cooling Water System	NS-AQ	D	NSC	No	UBA	ANSI/ASME B31.1 <sup>[6]</sup>
30XJA50/80 AV001	Diesel Engine (Excluding Engine-Driven Cooling, Lubrication, and Fuel Pumps)	NS-AQ	D	NSC	No	UBA	
30XJA50/80 AP100	Engine Governor	NS-AQ	D	NSC	No	UBA	
30XJQ50/80	Exhaust Gas and Air Intake System	NS-AQ	D	NSC	No	UBA	ANSI/ASME B31.1 <sup>[6]</sup>
30XJN50/80	Fuel Oil System	NS-AQ	D	NSC	No	UBA	ANSI/ASME B31.1 <sup>[6]</sup>
30XKA50/80 AH	Generator Space Heaters	NS	N/A	NSC	No	UBA	
30XKA50/80 CT	Generator Thermal Sensors	NS	N/A	NSC	No	UBA	
30XJV50/80	Lube Oil System	NS-AQ	D	NSC	No	UBA	ANSI/ASME B31.1 <sup>[6]</sup>
30XJX50/80	Starting Air System	NS-AQ	D	NSC	No	UBA	ANSI/ASME B31.1 <sup>[6]</sup>
30XJA50/80 AN100A/B	Turbochargers	NS-AQ	D	NSC	No	UBA	
<b>KPC</b>	<b>Solid Waste System</b>						
KPC	All Other Equipment	NS-AQ	D	RS	No	UKS	RG 1.143

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KPC20 BB001	Concentrate Buffer Tank	NS-AQ	D	RS	No	UKS	RG 1.143
30KPC20 AP001	Concentrate Recirculation Pump	NS-AQ	D	RS	No	UKS	RG 1.143
30KPC50 AP001	Condensate Collection Pump	NS-AQ	D	RS	No	UKS	RG 1.143
30KPC50 BB001	Condensate Collection Tank	NS-AQ	D	RS	No	UKS	RG 1.143
30KPC30/40/50 BB001	Drum Drying Stations	NS-AQ	D	RS	No	UKS	RG 1.143
30KPC60 AP001	High Pressure Cleaning Device	NS-AQ	D	RS	No	UKS	RG 1.143
30KPC10 BB001	Resin Proportioning Tank	NS-AQ	D	RS	No	UKS	RG 1.143
30KPC50 BB002	Scrubber Tank	NS-AQ	D	RS	No	UKS	RG 1.143
30KPC60 BZ001	Vacuum Unit	NS-AQ	D	RS	No	UKS	RG 1.143
<b>KPK, KPF</b>	<b>Liquid Waste Storage &amp; Processing System</b>						
KPF, KPK	All Pumps	NS-AQ	D	RS	No	UKS	RG 1.143
KPF, KPK	All Tanks	NS-AQ	D	RS	No	UKS	RG 1.143
30KPK41/42/43/44 AM001	Chemical Tank Agitators	NS-AQ	D	RS	No	UKS	RG 1.143
30KPK31/32/33 AM001	Concentrate Tank Agitators	NS-AQ	D	RS	No	UKS	RG 1.143

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30KPF51 AT001	Decanter with Filling Station (Centrifuge Plant)	NS-AQ	D	RS	No	UKS	RG 1.143
30KPF11 AC002	Evaporator	NS-AQ	D	RS	No	UKS	RG 1.143
30KPF11 AT001	Evaporator Column	NS-AQ	D	RS	No	UKS	RG 1.143
30KPF52 AT001	Separator (Centrifuge Plant)	NS-AQ	D	RS	No	UKS	RG 1.143
30KPF53 AM001	Sludge Tank Agitator	NS-AQ	D	RS	No	UKS	RG 1.143
30KPK11/12/13/14/15 AM001	Storage Tank Agitators	NS-AQ	D	RS	No	UKS	RG 1.143
30KPF11 AN001	Vapor Compressor	NS-AQ	D	RS	No	UKS	RG 1.143
KPF	Vendor Supplied Demineralizer System	NS-AQ	D	RS	No	UKS	RG 1.143
<b>KPL</b>	<b>Gaseous Waste Processing System</b>						
30KPL30 BB001	Condensate Collecting Tank	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL84 BR004-005	Containment Isolation Piping	S	B	I	Yes	UFA, UJA	ASME Class 2 <sup>[2]</sup>
30KPL85 BR006-007	Containment Isolation Piping	S	B	I	Yes	UFA, UJA	ASME Class 2 <sup>[2]</sup>
30KPL84 AA002-003	Containment Isolation Valves	S	B	I	Yes	UFA, UJA	ASME Class 2 <sup>[2]</sup>

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30KPL85 AA003-004	Containment Isolation Valves	S	B	I	Yes	UFA, UJA	ASME Class 2 <sup>[2]</sup>
30KPL85 AA202	Containment Penetration Test Connection Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30KPL50 AT001-003	Delay Beds	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL11 AC001	Gas Cooler	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL01 AC001	Gas Drier	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL70 AT001	Gas Filter	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL40 AT001	Gel Drier	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL05 AN003	Measuring Gas Compressor	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL05/06 AN001-002	Measuring Gas Compressors	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL05/06 AC001	Measuring Gas Driers	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL30 AC001	Pre-drier	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL11 AT001	Recombiner	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
KPL	Remaining Piping	NS-AQ	D	RS	No	UJA, UJH, UFA, UKA	RG 1.143, RW-IIa
KPL	Remaining Valves	NS-AQ	D	RS	No	UJA, UJH, UFA, UKA	RG 1.143, RW-IIa

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30KPL21/22 AC001	Sealing Liquid Coolers	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL21/22 BB001	Sealing Liquid Tanks	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
30KPL21/22 AN001	Waste Gas Compressors	NS-AQ	D	RS	No	UKA	RG 1.143, RW-IIa
<b>KLK</b>	<b>Sampling Activity Monitoring Systems</b>						
30KLK70/90 AN	Compressor Fan Units KLK70 AN005, KLK70 AN006, KLK90 AN003, and KLK90 AN004	NS	E	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup>
KLK	KLK System mechanical components used to support the Leak Detection System (30KLK05)	NS-AQ	D	I	No	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
KLK	Remainder of KLK System Mechanical Components	NS	E	NSC	No	UFA, UJA, UJK, UKA, UKE, UKS	ANSI/ASME B31.1 <sup>[6]</sup>
30KLK38/65/66 CR001-002	Radioactivity Monitors	S	N/A	I	Yes	UFA, UJK	
30KLK05CR 001/031/071/561	Radioactivity Monitors Used to Support the Leak Detection System	NS-AQ	N/A	I	No	UJA	



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KLK	Remainder of KLK System Radioactivity Monitors	NS	N/A	NSC	No	UFA, UJA, UJK, UKA, UKE, UKS	
<b>POWER CONVERSION SYSTEMS</b>							
<b>LB, MAN</b>	<b>Main Steam System</b>						
30LBA13/23/33/43 BP701	Flow Orifices	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LBA10/20/30/40 AA342-344	Flow Transmitter Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LBA10/20/30/40 AA441	Main Steam Isolation Bypass Drain Valves - 1	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>
30LBA10/20/30/40 AA442	Main Steam Isolation Bypass Drain Valves - 2	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LBA10/20/30/40 AA444	Main Steam Isolation Bypass Drain Valves - 3	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LBA14/24/34/44 CG101	Main Steam Isolation Bypass Shutoff Valve 2 Position Sensors	NS-AQ	N/A	II	Yes	UJE	
30LBA10/20/30/40 AA002	Main Steam Isolation Valves	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>
30LBA10/20/30/40 BR442/443/444	Main Steam Piping	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>

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30LBA10/20/30/40 BR445	Main Steam Piping	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LBA11/21/31/41 BR441	Main Steam Piping	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LBA12/22/32/42 BR441	Main Steam Piping	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LBA13/23/33/43 BR301	Main Steam Piping	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LBA13/23/33/43 BR441-442	Main Steam Piping	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LBA14/24/34/44 BR002	Main Steam Piping	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
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 <sup>[2]</sup>
30LBA13/23/33/43 AA001	Main Steam Relief Isolation Valves	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>
30LBA11/21/31/41 CG191	Main Steam Safety Valve Position Sensors	S	N/A	I	Yes	UJE	

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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 <sup>[2]</sup>
30LBA12/22/32/42 AA191	Main Steam Safety Valves	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>
30JMK10 BQ110	Main Steam Train 1 Containment Penetration	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JMK20 BQ208	Main Steam Train 2 Containment Penetration	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JMK30 BQ307	Main Steam Train 3 Containment Penetration	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JMK40 BQ410	Main Steam Train 4 Containment Penetration	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LBA14/24/34/44 AA101	Main Steam Warming Control Valves (MSWCV)	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LBA14/24/34/44 AA001	Main Steam Warming Isolation Valves (MSWIV)	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>

**Table 3.2.2-1—Classification Summary**  
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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30LBA13/23/33/43 BR003	MSRT Discharge Piping	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LBA11/21/31/41 BR192	MSSV Discharge Piping	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LBA12/22/32/42 BR192	MSSV Discharge Piping	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LBA10/20/30/40 AA311/321/331/ 341	Pressure Transmitter Isolation Valves	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>
30LBA13/23/33/43 AA301	Pressure Transmitter Isolation Valves	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LBA10/20/30/40 CP401	Pressure Transmitters - Acceptance Testing - Pressure Retaining Parts Only	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LBA13/23/33/43 CP401	Pressure Transmitters - Acceptance Testing - Pressure Retaining Parts Only	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LBA10/20/30/40 CP811/821/831/ 841	Pressure Transmitters - Reactor Safety	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>
30LBA10/20/30/40 CR811/821/831/ 841	Radiation Monitors - Reactor Safety	S	N/A	I	Yes	UJE	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30LBA13/23/33/43 BS001	Silencers	S	C	I	Yes	UZT (Roof of 1UJE, 4UJE)	ASME Class 3 <sup>[3]</sup>
30LBA10/20/30/40 CT401	Temperature Sensors - Acceptance Testing - Thermowell Only	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>
30LBA10/20/30/40 CT002	Temperature Sensors - Binary Measurement - Thermowell Only	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>
30LBA10/20/30/40 AA501-502	Vent Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30MAN11/13/21/23/ 31/33 AA051	Turbine Bypass Valves	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup>
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 <sup>[2]</sup>
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 <sup>[6]</sup>

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
LB	Balance of LB System	NS	E	NSC	No	UMA, UMY	ANSI/ASME B31.1 <sup>[6]</sup>
<b>MAA, MAB, MAC</b>	<b>Main Turbine Generator</b>	NS	E	NSC	No	UMA	
<b>LCQ</b>	<b>Steam Generator Blowdown System</b>						
LCQ	All LCQ Piping and Valves in 32UJE Downstream of Outer Containment Isolation Valve	NS	D	CS	Yes	2UJE	ANSI/ASME B31.3 <sup>[9]</sup> , RG 1.143, RW-IIc
LCQ	All LCQ Piping and Valves in 34UJH Downstream of Outer Containment Isolation Valve	NS-AQ	D	II	Yes	4UJH	ANSI/ASME B31.3 <sup>[9]</sup> , RG 1.143; Safety-Related piping in close proximity
30LCQ51 AC001-002	First Stage Blowdown Coolers	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCQ51 AA002	Inner Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCQ52 AA001	Inner Containment Isolation Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCQ51 AA003	Outer Containment Isolation Valve	S	B	I	Yes	4UJH	ASME Class 2 <sup>[2]</sup>
30LCQ52 AA002	Outer Containment Isolation Valve	S	B	I	Yes	2UJE	ASME Class 2 <sup>[2]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30LCQ51 AC003-004	Second Stage Blowdown Coolers	NS	D	CS	No	UKA	ASME VIII <sup>[8]</sup> , RG 1.143, RW-IIc
30LCQ50 BB001	Steam Generator Blowdown Flash Tank	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCQ52 AA191	Steam Generator Blowdown Flash Tank Safety Relief Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCQ10/20/30/ 40 AA104	Steam Generator Blowdown Flow Rate Adjusting Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCQ10/20/30/ 40 AA002	Steam Generator Cold Leg Blowdown Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCQ10/20/30/ 40 AA003	Steam Generator Common Leg Blowdown Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCQ10/20/30/ 40 AA001	Steam Generator Hot Leg Blowdown Isolation Valves	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
LCQ	UMY, UMZ, UKA and UMA Piping and Valves	NS	D	CS	No	UMY, UMZ, UMA, UKA	ASME VIII <sup>[8]</sup> , RG 1.143, RW-IIc

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
LA	<b>Feedwater System</b>						
LA	Balance of Feedwater System	NS	E	NSC	No	UMY, UMA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , ASME VIII <sup>[8]</sup>
30LAB60/70/80/90 AA003	Check Valves Upstream of Steam Generators	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LAB64/74/84/94 AA301-302	Differential Pressure Transmitter Isolation Valves	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB60/70/80/90 CP209	Differential Pressure Transmitters Across FLCVs	NS	E	NSC	No	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LAB64/74/84/94 CP701-703	Differential Pressure Transmitters Across VLLCVs	NS	E	NSC	No	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LAB60/70/80/90 AA309-310	Differential Pressure Transmitters Isolation Valves	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB60/70/80/90 AA401	Drain Valves Downstream of FLCVs	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30LAB60/70/80/90 AA403	Feedwater Drain Valves Between Check Valves and SGs	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30JMK60/70/80/90 BQ109	Feedwater Line Containment Penetrations	S	B	I	Yes	UJB	ASME Class 2 <sup>[2]</sup>
30LAB60/70/80/90 BR307	Feedwater Piping	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB60/70/80/90 BR309/310	Feedwater Piping	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB60/70/80/90 BR401/501	Feedwater Piping	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB60/70/80/90 BR403	Feedwater Piping	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LAB64/74/84/94 BR301/302	Feedwater Piping	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
LAB	Feedwater Piping From Fix Point to MFWIV	S	C	I	Yes	UJK, UJE	ASME Class 3 <sup>[3]</sup>
LAB	Feedwater Piping From MFWIV to SG Nozzle	S	B	I	Yes	UJE, UJB, UJA	ASME Class 2 <sup>[2]</sup>
30LAB60/70/80/90 GC701-703	Full Load Control Valve Position Sensors	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30LAB60/70/80/90 AA101	Full Load Control Valves	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB60/70/80/90 AA001	Full Load Isolation Valves	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB64/74/84/94 CG701-703	Low Load Control Valve Position Sensors	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LAB64/74/84/94 AA101	Low Load Control Valves	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB64/74/84/94 AA001	Low Load Isolation Valves	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB60/70/80/90 AA002	Main Isolation Valves	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>
30LAB60/70/80/90 CP407	Pressure Transmitter Downstream of Flow Meters	NS	E	NSC	No	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LAB60/70/80/90 AA307	Pressure Transmitter Isolation Valves	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB60/70/80/90 CT708	Temperature Sensor Downstream of Flow Meters	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB60/70/80/90 CT762	Temperature Sensors Downstream of FL/LL Junctions	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30LAB60/70/80/90 CT763	Temperature Sensors Downstream of FL/LL Junctions	S	B	I	Yes	UJE	ASME Class 2 <sup>[2]</sup>
30LAB60/70/80/90 AA501	Vent Valves Downstream of FLCVs	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
30LAB64/74/84/94 CG704-706	Very Low Load Control Valve Position Sensors	NS-AQ	D	II	Yes	UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LAB64/74/84/94 AA102	Very Low Load Control Valves	S	C	I	Yes	UJE	ASME Class 3 <sup>[3]</sup>
<b>MAG</b>	<b>Main Condenser</b>	NS	E	NSC	No	UMA	
<b>LC, LD</b>	<b>Condensate System</b>						
LC	Balance of Condensate Piping Inside Containment	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
LC	Balance of Condensate Piping, Excluding Condensate Polishing	NS	E	NSC	No	UMY, UMA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , ASME VIII <sup>[8]</sup>
30LCA90 AA403/408	Condensate Drain Second Isolation Valves	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30LCA90 AA406/410	Condensate Drain Second Isolation Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30JMK10 BQ304-305	Condensate Line Containment Penetrations	S	B	I	Yes	UJB	ASME Class 2 <sup>[2]</sup>
LC	Condensate Piping Associated With Containment Penetrations	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
LC	Condensate Piping From 32UJE to Deaerator	NS	E	NSC	No	UMY, UMA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , ASME VIII <sup>[8]</sup>
LD	Condensate Polishing	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup> , ANSI/ASME B16.34 <sup>[7]</sup> , ASME VIII <sup>[8]</sup>
30LCA90 AA511	Condensate Vent Isolation Valve	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA503/508	Condensate Vent Isolation Valves	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA009	First Stage Blowdown Cooler Bypass Valve	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30LCA90 AA015-017	First Stage Blowdown Cooler Bypass Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA030-031	First Stage Blowdown Cooler Bypass Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA401-402	First Stage Blowdown Cooler Drain Isolation Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA501-502	First Stage Blowdown Cooler Vent Isolation Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA301-304	Flow Transmitter Isolation Valves	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA311-314	Flow Transmitter Isolation Valves	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 CF001/002/011/012	Flow Transmitters	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA002	Inbound Condensate Isolation Valve	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 <sup>[6]</sup>
LC	Inbound Condensate Piping in 32UJE	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30LCA90 AA004	Inbound Containment Isolation Valve - Inside Containment	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCA90 AA003	Inbound Containment Isolation Valve - Outside Containment	S	B	I	Yes	2UJE	ASME Class 2 <sup>[2]</sup>
30LCA90 CG004	Inside Containment Isolation Valve Position Sensor	S	B	I	Yes	UJA	
LC	Inside Containment Relief Valve Discharge Piping	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA305	Leak Test Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCA90 AA306/ 307	Leak Test Valves	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA010	Outbound Condensate Check Valve	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA007	Outbound Condensate Isolation Valve	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 <sup>[6]</sup>

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
LC	Outbound Condensate Piping in 32UJE	NS	E	NSC	No	2UJE	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA101	Outbound Condensate Temperature Control Valve	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA005	Outbound Containment Isolation Valve - Inside Containment	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCA90 AA006	Outbound Containment Isolation Valve - Outside Containment	S	B	I	Yes	2UJE	ASME Class 2 <sup>[2]</sup>
30LCA90 AA195	Pressure Relief Valve	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
30LCA90 AA182/184/186/188/191	Pressure Relief Valves	NS-AQ	D	II	Yes	UJA	ASME VIII <sup>[8]</sup>
30LCA90 AA310	Pressure Transmitter Isolation Valve	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 AA320/330	Pressure Transmitter Isolation Valve	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 CP002/402/501	Pressure Transmitters	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30LCA90 CT001-002	Temperature Transmitters	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
30LCA90 CT401-403	Temperature Transmitters	NS-AQ	D	II	Yes	UJA	ANSI/ASME B31.1 <sup>[6]</sup>
<b>QU</b>	<b>Secondary Sampling System</b>						
QUC	Balance of QUC System	NS	E	NSC	No	UFA, UKA	ANSI/ASME B31.1 <sup>[6]</sup>
QUS	Circulating Water Sampling System	NS	E	NSC	No	UQA	ANSI/ASME B31.1 <sup>[6]</sup>
QUE	Condensate Sampling Systems	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup>
QUP	Cooling System for Secondary Samples	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup>
QUG	Demineralized Water Supply Sampling System	NS	E	NSC	No	UBA	ANSI/ASME B31.1 <sup>[6]</sup>
QUA	Feedwater Sampling System	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup>
QUB	Main Steam Sampling System	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup>
QUD	Sampling System for Auxiliary Steam and Feedwater	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup>



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
QUC	Sampling System for Steam Generator Blowdown System - Containment Penetrations, including Containment Isolation Valves	S	B	I	Yes	UJA, UFA	ASME Class 2 <sup>[2]</sup>
QUC	Sampling System for Steam Generator Blowdown System - Tubing Up to Containment Penetrations	S	B	I	Yes	UJA	ASME Class 2 <sup>[2]</sup>
<b>MAJ</b>	<b>Condenser Evacuation System</b>	NS	D	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup> , HEI
<b>MAW</b>	<b>Turbine Gland Steam Sealing System</b>	NS	E	NSC	No	UMA	ANSI/ASME B31.1 <sup>[6]</sup> , ASME VIII <sup>[8]</sup>
<b>GD</b>	<b>Steam Generator Blowdown Demineralizing System</b>						
GDA	Air Lines Connected to Backwash Air Vessel and Buffer Tank for Pneumatic Valves	NS	E	NSC	No	UKA	ANSI/ASME B31.1 <sup>[6]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30GDA14 AT010	Backwash Air Vessel	NS	E	NSC	No	UKA	ASME VIII <sup>[8]</sup>
GDA	Balance of GDA Piping and Valves	NS	D	NSC	No	UKA	ANSI/ASME B31.3 <sup>[9]</sup> , RG 1.143
30GDA20 AT010	Buffer Tank for Pneumatic Valves	NS	E	NSC	No	UKA	ASME VIII <sup>[8]</sup>
30GDA10 AT010	Cartridge Filter	NS-AQ	D	CS	No	UKA	ASME VIII <sup>[8]</sup> , RG 1.143, RW-IIc
30GDA10 AT001	Cation Exchanger	NS-AQ	D	CS	No	UKA	ASME VIII <sup>[8]</sup> , RG 1.143, RW-IIc
30GDA13 AT012	Drain Buffer Tank	NS-AQ	D	CS	No	UKA	ASME VIII <sup>[8]</sup> , RG 1.143, RW-IIc
30GDA10 AT002	Mixed Bed Exchanger	NS-AQ	D	CS	No	UKA	ASME VIII <sup>[8]</sup> , RG 1.143, RW-IIc
30GDA10 AT011	Resin Trap	NS-AQ	D	CS	No	UKA	ASME VIII <sup>[8]</sup> , RG 1.143, RW-IIc
30GDA13 AP001	Waste Water Pump	NS-AQ	D	CS	No	UKA	ASME VIII <sup>[8]</sup> , RG 1.143, RW-IIc
<b>PA</b>	<b>Circulating Water Supply System</b>	NS	E	NSC	No	UMA, UZT	AWWA

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
<b>STRUCTURES</b>							
<b>UFA, UJA, UJB, UJH, UJK, UJE, JM</b>	<b>Nuclear Island Structural System (Fuel, Reactor, Safeguard Buildings)</b>	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 <sup>[2]</sup>
JML	Cable Containment Penetrations	S	B	I	Yes	UJA, UJB	ASME Class 2 <sup>[2]</sup>
<b>UBP</b>	<b>Emergency Power Generating Buildings</b>	S	N/A	I	Yes	UBP	
<b>URB</b>	<b>Essential Service Water Cooling Tower Structures</b>	S	N/A	I	Yes	URB	
<b>UQB</b>	<b>Essential Service Water Pump Buildings</b>	S	N/A	I	Yes	UQB	
<b>UKA</b>	<b>Nuclear Auxiliary Building</b>	NS-AQ	N/A	RS, CS	No	UKA	
<b>UKS</b>	<b>Radioactive Waste Processing Building</b>	NS-AQ	N/A	RS, CS	No	UKS	
<b>UKH</b>	<b>Vent Stack</b>	NS-AQ	N/A	II	Yes	UKH	

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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
<b>SM, SN</b>	<b>Cranes, Hoists, and Elevators</b>						
SMJ06	Assembly Crane	NS-AQ	N/A	NSC	No	UJA	ASME NUM-1
SM	Balance of Cranes and Hoists	NS	N/A	NSC	No	All	ASME NOG-1, ASME NUM-1
SMK14	Decontamination Area Crane	NS	N/A	NSC	No	UKS	ASME NUM-1
SMB11/12/21/31/41/42	Diesel Hall Cranes	NS-AQ	N/A	NSC	No	UBP	ASME NUM-1
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	NSC	No	UFA	ASME NOG-1, ASME NUM-1
SMK01	Hot Workshop Crane	NS	N/A	NSC	No	UKA	ASME NOG-1
SMK13	Hot Workshop Crane	NS	N/A	NSC	No	UKS	ASME NOG-1
SMJ02/03/04	HVAC Equipment Room Cranes	NS-AQ	N/A	NSC	No	UJA	ASME NOG-1
SMJ32/33/34/35	Main Steam Valve Station Cranes	NS-AQ	N/A	II	Yes	UJH	ASME NUM-1; Located above safety-related equipment

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
SMA01	Manual Hoists	NS	N/A	NSC	No	All	ANSI/ASME B30.11, ANSI/ASME B30.21
SMZ01	Outdoor Crane	NS	N/A	NSC	No	UZT	ASME NOG-1
SMJ01	Polar Crane	NS-AQ	N/A	II	Yes	UJA	ASME NOG-1; Located above safety-related equipment
SMJ07/08/09/10	Steam Generator Cubicle Cranes	NS-AQ	N/A	II	Yes	UJA	ASME NUM-1; Located above safety-related equipment
[[UKE	<b>Access Building</b>	NS-AQ	N/A	CS	No	UKE	
UBZ	<b>Buried Conduit Duct Bank</b>	S	N/A	I	Yes	UBZ]]	
<b>HVAC SYSTEMS</b>							
<b>SAB</b>	<b>Main Control Room Air Conditioning System</b>						
30SAB11/14 AT003	Carbon Adsorbers	S	C	I	Yes	UJK	ASME AG-1 <sup>[14]</sup>
30SAB01/02/03/04 AT004	Demisters	S	C	I	Yes	UJK	
30SAB45 AA004	Downstream Exhaust Air Isolation Damper	S	C	I	Yes	UJK	Local Building Codes
30SAB32 AH001-007	Electric Air Heaters	NS	E	NSC	No	UJK	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30SAB11/14 AH001	Electric Heater for Carbon Filter	S	C	I	Yes	UJK	ASME AG-1 <sup>[14]</sup>
30SAB11/14 AN001	ESF Filter Train Fans	S	C	I	Yes	UJK	ASME AG-1 <sup>[14]</sup>
30SAB11/14 AA003	ESF Filter Train Isolation Dampers, Electric Operated	S	C	I	Yes	UJK	ASME AG-1 <sup>[14]</sup>
30SAB45 AN001	Exhaust Fan	S	C	I	Yes	UJK	Local Building Codes
30SAB01/02/03/04 AT005	HEPA Filters	S	C	I	Yes	UJK	ASME AG-1 <sup>[14]</sup>
30SAB11/14 AT002/004	HEPA Filters	S	C	I	Yes	UJK	ASME AG-1 <sup>[14]</sup>
30SAB11/14 AA001	Isolation Dampers with Electric Actuators	S	C	I	Yes	UJK	ASME AG-1 <sup>[14]</sup>
30SAB01/02/03/04 AA002	Outside Air Inlet Dampers	S	C	I	Yes	UJK	
30SAB01/02/03/04 AH001	Outside Air Inlet Electric Heaters - 3 Stage	S	C	I	Yes	UJK	
30SAB01/02/03/04 AA003	Outside Air Inlet Isolation Dampers with Electric Actuators	S	C	I	Yes	UJK	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30SAB01/02/03/04 AT001	Outside Air Inlet Pre-Filters	S	C	I	Yes	UJK	
30SAB01/02/03/04 AA006	Outside Air Inlet Volume Control Dampers, Manually Adjusted	S	C	I	Yes	UJK	
30SAB11/14 AT001	Pre-Filters	S	C	I	Yes	UJK	ASME AG-1 <sup>[14]</sup>
30SAB01/02/03/04 AC001	Recirc Air Cooling Coils with Safety Chilled Water	S	C	I	Yes	UJK	
30SAB01/02/03/04 AA009	Recirculation Unit Isolation Dampers	S	C	I	Yes	UJK	
30SAB01/02/03/04 BS003	Silencers on Fan Discharge Side	S	C	I	Yes	UJK	
30SAB01/02/03/04 BS002	Silencers on Fan Suctions	S	C	I	Yes	UJK	
30SAB01/02/03/04 AH002	Steam Humidifiers	NS	E	NSC	No	UJK	Local Building Codes
30SAB01/02/03/04 AN001	Supply Air Fans	S	C	I	Yes	UJK	
30SAB45 AA003	Upstream Exhaust Air Isolation Damper	S	C	I	Yes	UJK	Local Building Codes

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30SAB01/02/03/04 AA010/012	Volume Control Dampers, Manually Adjusted for Recirc Unit	S	C	I	Yes	UJK	
<b>SAC</b>	<b>Electrical Division of Safeguard Building Ventilation System</b>						
30SAC05/08 AC001	Air Cooling Coils - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC61/62/63/64 AC001-002	Air Cooling Coils - Recirculation Cooling Units	S	C	I	Yes	UJK	
30SAC01/02/03/04 AC001	Air Cooling Coils - Supply Air System	S	C	I	Yes	UJK	
30SAC11/14 AH002	Battery Room Air Supply Duct Heaters - Supply and Exhaust Air Shafts	S	C	I	Yes	1UJK, 4UJK	
30SAC11/12/13/14 AH001	Battery Room Air Supply Duct Heaters - Supply and Exhaust Air Shafts	S	C	I	Yes	UJK	
SAC	Electric Air Heating Convectors	NS	E	NSC	No	UJK	
30SAC05/08 AH002	Electric Heaters - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	



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30SAC01/02/03/04 AH002	Electric Heaters - Supply Air System	S	C	I	Yes	UJK	
30SAC51/52/53/54 AN001	Exhaust Air Fans - Battery/SCWS Room Exhaust	S	C	I	Yes	UJK	
30SAC51/54 AN002	Exhaust Air Fans - Maintenance Train Battery/SCWS Room Exhaust	NS	E	NSC	No	1UJK, 4UJK	
30SAC35/38 AN001	Exhaust Fan - Maintenance Train Exhaust Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC31/32/33/35 AN001	Exhaust Fans - Exhaust Air System	S	C	I	Yes	UJK	
30SAC01/02/03/04 AH003-004	Humidifier Heaters - Supply Air System	S	C	I	Yes	UJK	
30SAC05/08 AC003-004	Humidifier Spray Nozzles - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AT007-008	Humidifier Spray Nozzles - Supply Air System	S	C	I	Yes	UJK	
30SAC05/08 AH003-004	Humidifiers Heaters - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
SAC	Maintenance Supply/ Exhaust Ducts	NS	E	NSC	No	UJK	
30SAC35/38 AA001/004	Manual Isolation Damper - Maintenance Train Exhaust Air	S	C	I	Yes	1UJK, 4UJK	
30SAC51/52/53/54 AA001	Manual Isolation Dampers - Battery/ SCWS Room Exhaust	S	C	I	Yes	UJK	
30SAC31/32/33/35 AA001/004	Manual Isolation Dampers - Exhaust Air System	S	C	I	Yes	UJK	
30SAC51/54 AA004	Manual Isolation Dampers - Maintenance Train Battery/SCWS Room Exhaust	S	C	I	Yes	1UJK, 4UJK	
30SAC05/08 AA002	Manual Isolation Dampers - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AA002	Manual Isolation Dampers - Supply Air System	S	C	I	Yes	UJK	

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

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30SAC22/23 AA009/ 011/012/ 020	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	C	I	Yes	2UJK, 3UJK	
30SAC42/43 AA002	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	C	I	Yes	2UJK, 3UJK	
30SAC11/14 AA013	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	C	I	Yes	1UJK, 4UJK	
30SAC11/14 AA018/ 020/023	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	C	I	Yes	1UJK, 4UJK	
30SAC12/13 AA027/ 028/029/ 031	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	C	I	Yes	2UJK, 3UJK	
30SAC11/12/13/14 AA001/014/025	Manual Volume Control Dampers - Supply and Exhaust Air Shafts	S	C	I	Yes	UJK	
30SAC05/08 AT006	Moisture Separators - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30SAC61/62/63/64 AT001-002	Moisture Separators - Recirculation Cooling Units	S	C	I	Yes	UJK	
30SAC01/02/03/04 AT006	Moisture Separators - Supply Air System	S	C	I	Yes	UJK	
30SAC51/52/53/54 AA003	Motor Operated Isolation Dampers - Battery/SCWS Room Exhaust	S	C	I	Yes	UJK	
30SAC51/54 AA006	Motor Operated Isolation Dampers - Maintenance Train Battery/SCWS Room Exhaust	S	C	I	Yes	1UJK, 4UJK	
30SAC35/38 AA002	Motor Operated Volume Control Damper - Maintenance Train Exhaust Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC31/32/33/35 AA002	Motor Operated Volume Control Dampers - Exhaust Air System	S	C	I	Yes	UJK	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30SAC05/08 AA003-004	Motor Operated Volume Control Dampers - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AA003-004	Motor Operated Volume Control Dampers - Supply Air System	S	C	I	Yes	UJK	
30SAC41/42/43/44 AA001	Motor Operated Volume Control Dampers - Supply and Exhaust Air Shafts	S	C	I	Yes	UJK	
30SAC22/23 AA015	Motor Operated Volume Control Dampers - Supply and Exhaust Air Shafts	S	C	I	Yes	2UJK, 3UJK	
30SAC12/13 AA020	Motor Operated Volume Control Dampers - Supply and Exhaust Air Shafts	S	C	I	Yes	2UJK, 3UJK	
30SAC35/38 AA003	Non-Return Damper - Maintenance Train Exhaust Air	NS	E	NSC	No	1UJK, 4UJK	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30SAC51/52/53/54 AA002	Non-return Dampers - Battery/SCWS Room Exhaust	S	C	I	Yes	UJK	
30SAC31/32/33/35 AA003	Non-return Dampers - Exhaust Air System	S	C	I	Yes	UJK	
30SAC51/54 AA005	Non-Return Dampers - Maintenance Train Battery/SCWS Room Exhaust	NS	E	NSC	No	1UJK, 4UJK	
30SAC05/08 AA005	Non-return Dampers - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AA005	Non-return Dampers - Supply Air System	S	C	I	Yes	UJK	
SAC	Non-Safety Related Fire Dampers and Ducts	NS	E	NSC	No	UJK	
30SAC05/08 AT004	Pre-Filters - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AT004	Pre-Filters - Supply Air System	S	C	I	Yes	UJK	
30SAC21/22/23/24 AA020	Pressure Wave Protection Dampers - Exhaust Air System	S	C	I	Yes	UJK	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30SAC01/02/03/04 AA001	Pressure Wave Protection Dampers - Supply Air System	S	C	I	Yes	UJK	
30SAC61/62/63/64 AN001-002	Recirculation Fans - Recirculation Cooling Units	S	C	I	Yes	UJK	
30SAC05/08 AT005	Roughing Filters - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AT005	Roughing Filters - Supply Air System	S	C	I	Yes	UJK	
SAC	Safety Related Fire Dampers and Ducts	S	C	I	Yes	UJK	
30SAC01/02/03/04 BS001	Silencer on Fan Suctions - Supply Air System	S	C	I	Yes	UJK	
30SAC05/08 BS002	Silencers on Fan Discharges - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 BS002	Silencers on Fan Discharges - Supply Air System	S	C	I	Yes	UJK	



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30SAC05/08 BS001	Silencers on Fan Suctions - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC05/08 AN001	Supply Air Fans - Maintenance Train Supply Air	NS	E	NSC	No	1UJK, 4UJK	
30SAC01/02/03/04 AN001	Supply Air Fans - Supply Air System	S	C	I	Yes	UJK	
SAC	Supply Duct and Dampers not assigned to Electrical and I&C Rooms	S	C	I	Yes	UJK	
SAC	Supply Duct and Dampers to Electrical and I&C Rooms	S	C	I	Yes	UJK	
SAC	Toilet Exhaust Componets - Maintenance Train	NS	E	NSC	No	1UJK, 4UJK	
<b>KLC</b>	<b>Safeguard Building Controlled Area Ventilation System</b>						
30KLC41/42 AT003	Carbon Adsorbers	S	C	I	Yes	UFA	
30KLC45 AA005-006	Dampers, Containment Building Isolation	S	C	I	Yes	UJH	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KLC45 AA003-004	Dampers, Fuel Building Isolation	S	C	I	Yes	UJH	
30KLC31/32/33/34 AA001	Dampers, Isolation Accident Exhaust	S	C	I	Yes	UJH	
30KLC11 AA008	Dampers, Isolation Div 1 JM room	S	C	I	Yes	UJH	
30KLC11/14 AA007	Dampers, Isolation Div 1/4 JN room	S	C	I	Yes	UJH	
30KLC21/24 AA005	Dampers, Isolation Div 1/4 JN room	S	C	I	Yes	UJH	
30KLC22 AA010	Dampers, Isolation Div 2 personal air lock exhaust	S	C	I	Yes	UJH	
30KLC12 AA009-010	Dampers, Isolation Div 2 personal air lock supply	S	C	I	Yes	UJH	
30KLC24 AA002-004	Dampers, Isolation Div 4 JMQ rooms	S	C	I	Yes	UJH	
30KLC21/22/23/24 AA007-008	Dampers, Isolation Operational Exhaust	S	C	I	Yes	UJH	
30KLC11/12/13/14 AA004-005	Dampers, Isolation Operational Supply	S	C	I	Yes	UJH	
30KLC45 AA001-002	Dampers, Safeguard Building Isolation	S	C	I	Yes	UJH	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KLC21/22/23/24 AA006	Dampers, Volume Control Operational Exhaust	S	C	I	Yes	UJH	
30KLC11/12/13/14 AA003	Dampers, Volume Control Operational Supply	S	C	I	Yes	UJH	
30KLC41/42 AN001	Exhaust Fans for KLC filtration Units	S	C	I	Yes	UFA	
KLC	Fire Dampers	NS-AQ	D	II	No	UJH	
30KLC41/42 AH001	Heaters	S	C	I	Yes	UFA	
30KLC41/42 AT002	HEPA Filters	S	C	I	Yes	UFA	
30KLC41/42 AT004	HEPA Filters	S	C	I	Yes	UFA	
30KLC41/42 AA001	Inlet Tight Isolation Dampers with Electric actuator	S	C	I	Yes	UJH	
30KLC51/54 AT003	Moisture Separator	S	C	I	Yes	UJH	
30KLC51/52/53/54 AT001	Moisture Separators	S	C	I	Yes	UJH	
30KLC51/52/53/54 AT002	Moisture Separators	S	C	I	Yes	UJH	
30KLC41/42 AA003	Non-Return Dampers	S	C	I	Yes	UJH	
30KLC41/42 AT001	Pre-Filters	S	C	I	Yes	UFA	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KLC51/52/53/54 AC001	Recirculation Cooling Units	S	C	I	Yes	UJH	
30KLC51/52/53/54 AC002	Recirculation Cooling Units	S	C	I	Yes	UJH	
30KLC51/54 AC003	Recirculation Cooling Units	S	C	I	Yes	UJH	
30KLC51/52/53/54 AN001	Recirculation Fans	S	C	I	Yes	UJH	
30KLC51/52/53/54 AN002	Recirculation Fans	S	C	I	Yes	UJH	
30KLC51/54 AN003	Recirculation Fans	S	C	I	Yes	UJH	
30KLC12 AH001	Room Heater	NS	E	NSC	No	UJH	
30KLC11/14 AH001-002	Room Heaters	NS	E	NSC	No	UJH	
30KLC12/13 AH002-006	Room Heaters	NS	E	NSC	No	UJH	
<b>SAD</b>	<b>Emergency Power Generating Building Ventilation System</b>	S	C	I	Yes	UBP	ASME AG-1 <sup>[14]</sup>
<b>SAQ</b>	<b>Essential Service Water Pump Building Ventilation System</b>	S	C	I	Yes	URB	ASME AG-1 <sup>[14]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
SAQ	Cooling Coil Isolation Valves	S	C	I	Yes	URB	ASME Class 3 <sup>[3]</sup>
SAQ	Balance of SAQ System	S	C	I	Yes	URB	ASME AG-1 <sup>[14]</sup>
<b>KLA</b>	<b>Containment Building Ventilation System</b>						
30KLA50 AT003	Carbon Adsorber (KLA 5)	NS-AQ	D	I	Yes	UJA	ASME AG-1 <sup>[14]</sup> , ASME N510
30KLA21/22 AT003	Carbon Adsorbers	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup> , ASME N510, RG 1.52
30KLA40 AA001	Containment Isolation Valve - Full Flow Exhaust Inside	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KLA40 AA002	Containment Isolation Valve - Full Flow Exhaust Outside	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30KLA30 AA003	Containment Isolation Valve - Full Flow Supply Inside	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KLA30 AA002	Containment Isolation Valve - Full Flow Supply Outside	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KLA20 AA001	Containment Isolation Valve - Low Flow Exhaust Inside	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KLA20 AA003	Containment Isolation Valve - Low Flow Exhaust Outside	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30KLA10 AA003	Containment Isolation Valve - Low Flow Supply Inside	S	C	I	Yes	UJA	ASME Class 3 <sup>[3]</sup>
30KLA10 AA001	Containment Isolation Valve - Low Flow Supply Outside	S	C	I	Yes	UFA	ASME Class 3 <sup>[3]</sup>
30KLA61/63 AC001/003	Cooling Coils (4 X 25%) KAB	NS	E	NSC	No	UJA	ASME AG-1 <sup>[14]</sup>
30KLA61/63 AC002/004	Cooling Coils (4 X 25%) QNJ	NS	E	NSC	No	UJA	ASME AG-1 <sup>[14]</sup>
30KLA20 AA004	Damper, Controls Negative Pressure	NS	E	NSC	No	UJA	
30KLA10 AA005	Damper, Supply Air	NS	E	NSC	No	UJA	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KLA61/63 AA004	Dampers (Maintain DP between Service and Equipment Areas)	NS	E	NSC	No	UJA	ASME AG-1 <sup>[14]</sup>
30KLA61/63 AA003/004	Dampers, Cooling Units	NS	E	NSC	No	UJA	ASME AG-1 <sup>[14]</sup>
30KLA21/22 AA004/007	Dampers, Isolation	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup> , ASME N510, RG 1.52
30KLA50 AH001	Electric Heater, (KLA 5)	NS-AQ	D	I	Yes	UJA	ASME AG-1 <sup>[14]</sup> , ASME N510
30KLA21/22 AH005	Electric Heaters	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup> , ASME N510, RG 1.52
30KLA51/52 AN001	Fans, Internal Filtration System	NS-AQ	D	I	Yes	UJA	ASME AG-1 <sup>[14]</sup> , ASME N510
30KLA21/22 AN001	Fans, Low Flow Purge Exhaust	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup> , ASME N510, RG 1.52
30KLA61/62/63/64 AN001	Fans, Main Supply (4 x 50%)	NS	E	NSC	No	UJA	ASME AG-1 <sup>[14]</sup> ,
30KLA50 AT002	HEPA Filter (KLA 5)	NS-AQ	D	I	Yes	UJA	ASME AG-1 <sup>[14]</sup> , ASME N510

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KLA50 AT004	HEPA Filter (KLA 5)	NS-AQ	D	I	Yes	UJA	ASME AG-1 <sup>[14]</sup> , ASME N510
30KLA21/22 AT002	HEPA Filters	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup> , ASME N510, RG 1.52
30KLA21/22 AT042	HEPA Filters	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup> , ASME N510, RG 1.52
30KLA71 AC001-012	Local Air Cooling Units w/ QNJ Cooling Water	NS	E	NSC	No	UJA	ASME AG-1 <sup>[14]</sup>
30KLA50 AT001	Pre-Filter (KLA 5)	NS-AQ	D	I	Yes	UJA	ASME AG-1 <sup>[14]</sup> , ASME N510
30KLA21/22 AT001	Pre-Filters	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup> , ASME N510, RG 1.52
30KLA65/66 AN001	Reactor Pit Fans (4 x 50%)	NS-AQ	C	I	Yes	UJA	ASME AG-1 <sup>[14]</sup> , ASME Class 3 <sup>[3]</sup>
30KLA65/66 AN002	Reactor Pit Fans (4 x 50%)	NS-AQ	C	I	Yes	UJA	ASME AG-1 <sup>[14]</sup> , ASME Class 3 <sup>[3]</sup>
30KLA71 AN001-012	Supply Air Fans (Axial, Direct Drive)	NS	E	NSC	No	UJA	ASME AG-1 <sup>[14]</sup>



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KKS System or Component Code	System or Component Description	Safety Classification (Note 15)	Quality Group Classification	Seismic Category (Note 16)	10 CFR 50 Appendix B Program	Location (Note 17)	Comments/ Commercial Code
<b>KLB</b>	<b>Annulus Ventilation System</b>						
30KLB21/24 AA006	Accident Train Backdraft Dampers	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLB21/24 AA004	Accident Train Motor Operated Exhaust Dampers	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLB21/24 AA003	Accident Train Motor Operated Supply Dampers	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLB21/24 AT003	Adsorbers	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLB21/24 AT004	Downstream HEPA Filters	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLB21/24 AH001	Electric Heaters	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLB21/24 AN001	Exhaust Fans	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLB34 AA004	Normal Train Control Damper	NS	E	NSC	No	UFA	ASME AG-1 <sup>[14]</sup>
KLB	Normal Train Fire Dampers	NS	E	NSC	No	UFA	NFPA <sup>]</sup>
30KLB44 AA002-003	Normal Train Motor Operated Exhaust Dampers	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLB34 AA002-003	Normal Train Motor Operated Supply Dampers	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KLB21/24 AT001	Pre-Filters	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLB21/24 AT002	Upstream HEPA Filters	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
<b>KLL</b>	<b>Fuel Building Ventilation System</b>						
KLL	Ductwork between KLL and KLC for Iodine Exhaust from the Fuel Handling Hall	S	C	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLL21/24 AA001-003	Exhaust Isolation Dampers	S	C	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLL21/24 AA004	Fuel Building Exhaust/KLC Isolation Dampers	S	C	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLL41/44 AA100-101	Fuel Building Exhaust Air Isolation Dampers	S	C	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLL31 AA049	Fuel Building Supply Air Isolation Damper	S	C	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLL31/34 AA090	Fuel Building Supply Air Isolation Damper	S	C	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KLL34 AA065	Fuel Building Supply Air Isolation Damper	S	C	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
KLL	Non-Safety Related Electric Heating Units (33)	NS	E	NSC	No	UFA	Commercial
30KLL61/64 AN002-003	Recirculation Cooling Units in FAK Pump Rooms	S	C	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLL61/64 AN001	Recirculation Cooling Units in JDH Pump Rooms	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
KLL	Safety Related Electric Heating Units (115)	S	B	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLL11/14 AA001-003	Supply Isolation Dampers	S	C	I	Yes	UFA	ASME AG-1 <sup>[14]</sup>
30KLL11 AA010	Supply Pressure Control Damper	NS	E	NSC	No	UFA	ASME AG-1 <sup>[14]</sup>
KLL	Balance of KLL System	NS	E	NSC	No	UFA	

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
<b>SAM3</b>	<b>Main Steam &amp; Feedwater Valve Room Ventilation System</b>						
SAM3	Recirculation Cooling Units	NS	E	NSC	No	UJE	ASME AG-1 <sup>[14]</sup>
SAM3	Electric Heaters	NS	E	NSC	No	UJE	Commercial
<b>KLD</b>	<b>Access Building Ventilation System</b>						
KLD	Building Protection Grilles	NS	E	NSC	No	UKE	
KLD	Control Area Exhaust Dampers	NS-AQ	D	NSC	No	UKE, UKA	ASME AG-1 <sup>[14]</sup>
30KLD41/42/43 AT002	Controlled Area HEPA Filters	NS-AQ	D	NSC	No	UKE	ASME AG-1 <sup>[14]</sup>
30KLD41/42/43 AT001	Controlled Area Pre-Filters	NS-AQ	D	NSC	No	UKE	ASME AG-1 <sup>[14]</sup>
30KLD01/02 AT005	Droplet Separators	NS	E	NSC	No	UKE	
KLD	Duct Electric Air Heaters	NS	E	NSC	No	UKE	
30KLD45/46 AN001	Exhaust Fans - Controlled Area	NS-AQ	D	NSC	No	UKA	ASME AG-1 <sup>[14]</sup>
30KLD32/33 AN001	Exhaust Fans - Supervised Area	NS	E	NSC	No	UKE	
30KLD04/05/32/33 AH501	Fan Motor Anti-Condensate Heaters	NS	E	NSC	No	UKE	
30KLD45/46 AH501	Fan Motor Anti-Condensate Heaters	NS-AQ	D	NSC	No	UKA	ASME AG-1 <sup>[14]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
KLD	Fire Dampers	NS-AQ	D	NSC	No	UKE	NFPA
KLD	Intake/Exhaust Screens	NS	E	NSC	No	UKE, UJA	
30KLD39 AN001	Prestressing Gallery Exhaust Fan	NS	E	NSC	No	UJA	
30KLD01/02 AT006	Roughing Filters	NS	E	NSC	No	UKE	
KLD	Silencers	NS	E	NSC	No	UKE	
30KLD09 AC001	Steam Humidifier	NS	E	NSC	No	UKE	
30KLD01/02 AC002	Supply Air Coolers	NS	E	NSC	No	UKE	
30KLD04/05 AN001	Supply Air Fans	NS	E	NSC	No	UKE	
30KLD01/02 AC003	Supply Air Heaters	NS	E	NSC	No	UKE	
30KLD01/02 AT004	Supply Air Pre-Filters	NS	E	NSC	No	UKE	
30KLD01/02 AC001	Supply Air Pre-Heaters	NS	E	NSC	No	UKE	
KLD	Supply/Supervised Area Exhaust Dampers	NS	E	NCS	No	UKE	
<b>KLE</b>	<b>Nuclear Auxiliary Building Ventilation System</b>	NS	E	NSC	No	UKA	ASME AG-1 <sup>[14]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
<b>SAG</b>	<b>Smoke Confinement System</b>	NS	E	NSC	No	UFA, UJK, UJH, UKE, UKA, UKS	
<b>SAM1, SAM2</b>	<b>Turbine Building Ventilation System</b>	NS	E	NSC	No	UMA	Local Building Codes
<b>SAL</b>	<b>Station Blackout Building Ventilation System</b>	NS	E	NSC	No	UBA	Local Building Codes
<b>KLF</b>	<b>Radioactive Waste Processing Building Ventilation</b>						
30KLF50/51 AC001	Air Coolers	NS	E	NSC	No	UKS	
30KLF02/03 AC002	Air Coolers	NS	E	NSC	No	UKS	
30KLF08 AC001-004	Air Heaters	NS	E	NSC	No	UKS	
30KLF25/26/39/40 AA002	Backdraft Dampers	NS	D	NSC	No	UKS	
30KLF02/03 AA003	Backdraft Dampers	NS	E	NSC	No	UKS	
30KLF37/38 AN001	Booster Fans	NS	D	NSC	No	UKS	
30KLF22/23 AT003	Carbon Adsorbers	NS	D	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>
30KLF36 AT001	Carbon Adsorbers	NS	D	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>
30KLF05/50/51 AT001	Demisters	NS	E	NSC	No	UKS	
30KLF02/03 AT003	Demisters	NS	E	NSC	No	UKS	

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30KLF38 AA003	Electric Powered Flow Control Damper	NS	D	NSC	No	UKS	
30KLF31/32/34/35 AA003	Electric Powered Flow Control Dampers	NS	E	NSC	No	UKS	
30KLF37/38 AA001	Electric Powered Flow Control Dampers	NS	D	NSC	No	UKS	
30KLF80 AH001-002	Electric Staircase Heaters	NS	E	NSC	No	UKS	
30KLF25/26/39/40 AN001	Exhaust Fans	NS	D	NSC	No	UKS	
30KLF22/23 AA001-002	Filter Unit Bubble Tight Dampers for Isolation	NS	D	NSC	No	UKS	
30KLF31/32/33/34/35 AA001	Filter Unit Bubble Tight Dampers for Isolation	NS	E	NSC	No	UKS	
30KLF31/32/33/34/35 AA002	Filter Unit Bubble Tight Dampers for Isolation	NS	E	NSC	No	UKS	
30KLF33 AA003-004	Filter Unit Bubble Tight Dampers for Isolation	NS	E	NSC	No	UKS	
30KLF02/03	Filters	NS	E	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>

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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KLF22/23/36 AH001	Heaters for Filter Units	NS	D	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>
30KLF31/32/33/34/35 AT002	HEPA Filters	NS	E	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>
30KLF22/23/36 AT002	HEPA Filters	NS	D	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>
30KLF22/23 AT004	HEPA Filters	NS	D	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>
30KLF25/26/37/38/39/40 AA001	Manual Dampers	NS	D	NSC	No	UKS	
30KLF37/38 AA002	Manual Dampers	NS	D	NSC	No	UKS	
30KLF02/03 AA002	Manual Dampers	NS	E	NSC	No	UKS	
30KLF31/32/33/34/35 AT001	Pre-Filters	NS	E	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>
30KLF22/23 AT001	Pre-Filters	NS	D	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>
30KLF02/03	Pre-Filters	NS	E	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>
30KLF07 AC001	Pre-Heaters	NS	E	NSC	No	UKS	
30KLF02/03 AC001/003	Pre-Heaters	NS	E	NSC	No	UKS	
30KLF08 AN002-004	Recirculating Air Fan	NS	E	NSC	No	UKS	
30KLF08/50/51 AN001	Recirculating Air Fans	NS	E	NSC	No	UKS	
30KLF08 AC001-004	Recirculating Cooler	NS	E	NSC	No	UKS	



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<b>KKS System or Component Code</b>	<b>System or Component Description</b>	<b>Safety Classification (Note 15)</b>	<b>Quality Group Classification</b>	<b>Seismic Category (Note 16)</b>	<b>10 CFR 50 Appendix B Program</b>	<b>Location (Note 17)</b>	<b>Comments/ Commercial Code</b>
30KLF10 AH002	Room Heaters	NS	E	NSC	No	UKS	
30KLF06/09/10 AH001	Room Heaters	NS	E	NSC	No	UKS	
30KLF05 AC001	Steam Humidifier	NS	E	NSC	No	UKS	
30KLF04/26/31/35 AA101	Supply Air Control Dampers	NS	E	NSC	No	UKS	
30KLF02/03 AN001	Supply Fans	NS	E	NSC	No	UKS	ASME AG-1 <sup>[14]</sup>

**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 1- 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 Section 8 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] API 609 refers to “American Petroleum Institute - API 609: Butterfly Valves: Double Flanged, Lug-and Water-Type, 6th Edition”.
- [13] ANSI/AISC N690-1994(R2004)s 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-1a-2004 - Code on Nuclear Air and Gas Treatment”.
- [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:

<b>KKS</b>		
<b>Designator</b>	<b>Location</b>	
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 30UBA (division 1) to 31UJH and 31UJK	
2 UBZ	Buried cable conduit ductbank from 30UBA (division 2) to 32UJH and 32UJK	
3 UBZ	Buried cable conduit ductbank from 30UBA (division 3) to 33UJH and 33UJK	
4 UBZ	Buried cable conduit ductbank from 30UBA (division 4) to 34UJH and 34UJK and 30UKS	
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
	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 30UMA to 30UKA and 30UKS
2	UMZ	Buried piping and pipe ducts from 30UMA to 30UTH
3	UMZ	Buried piping and pipe ducts from 31UMZ to building 30UKE
	UPC	Circulating water intake structure

	UPE	Circulating water makeup intake structure
	UPF	Cooling tower 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 31UJH
2	UQZ	Buried piping and pipe ducts for service water system and cables from 32UJH
3	UQZ	Buried piping and pipe ducts for service water system and cables from 33UJH
4	UQZ	Buried piping and pipe ducts for service water system and cables from 34UJH
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
	UYH	Simulator building (training facilities)

UZE	Track system (rails if necessary)
UZJ	Fencing and gates
UZT	Outdoor area