

LimerickNPEm Resource

From: Christopher.Wilson2@exeloncorp.com
Sent: Thursday, June 30, 2011 9:49 AM
To: Kuntz, Robert; Regner, Lisa
Subject: AMR Database file for Limerick
Attachments: lgs amr database.xls

[Rob/Lisa](#)

[Here is the AMR database file for Limerick. Let me know if you need anything else. Have a great holiday weekend](#)

[Chris](#)

<<lgs amr database.xls>>

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Hearing Identifier: Limerick_LR_NonPublic
Email Number: 377

Mail Envelope Properties (9A15F707EB47A04D882D9FEB352EDDF80325C25A)

Subject: AMR Database file for Limerick
Sent Date: 6/30/2011 9:49:00 AM
Received Date: 6/30/2011 9:49:59 AM
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Files	Size	Date & Time
MESSAGE	1005	6/30/2011 9:49:59 AM
lgs amr database.xls	1026624	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

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Structure and/or Component	Material	Environment
Tanks	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Crane/Hoist (Bridge / Trolley / Girder)	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Ducting and Components	Elastomer	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Outdoor (External)
Piping, piping components, and pipi	Aluminum Alloy	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Gray Cast Iron	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Ductile Cast Iron	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with less th	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device (Flow Glasses)	Stainless Steel	Treated Water (Internal)
Flow Device (Flow Glasses)	Stainless Steel	Treated Water (Internal)
Rupture Disks	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body (Relief Valves)	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body (Check Valves)	Stainless Steel	Treated Water (Internal)
Flow Device (Orifices)	Stainless Steel	Treated Water (Internal)
Flow Device (Orifices)	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Reac	Carbon Steel	Closed Cycle Cooling Wat
Flow Device	Glass	Air - Indoor, Uncontrolled (
Flow Device (Flow Elements)	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Lubricating Oil (Internal)
Piping, piping components, and pipi	Copper	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper	Air/Gas - Wetted (Internal)
Heat Exchanger Components (Reac	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Reac	Stainless Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Waste Water (Internal)
Tanks (Gaseous Radwaste Hydroge	Stainless Steel	Air/Gas - Wetted (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Treated Water (External)
Special Defective Fuel Storage Cor	Aluminum Alloy	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Chill	Carbon Steel	Lubricating Oil (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Cast Austenitic Stainless	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)

Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Chill	Carbon Steel	Closed Cycle Cooling Wat
Concrete Curbs	Concrete	Air - Indoor, Uncontrolled (
Fire Barriers (Doors)	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Glass	Air/Gas - Wetted (Internal)
Ducting and Components	Elastomer	Air - Indoor, Uncontrolled (
Tanks	Carbon Steel	Closed Cycle Cooling Wat
Heat Exchanger Components (Dryw	Copper	Air/Gas - Wetted (External
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Gray Cast Iron	Closed Cycle Cooling Wat
Valve Body	Gray Cast Iron	Air - Indoor, Uncontrolled (
Expansion Joints (EDG HTX)	Elastomer	Raw Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Electric Heaters (Housing)	Carbon Steel	Air - Indoor, Uncontrolled (
Expansion Joints	Stainless Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (Lube	Carbon Steel	Lubricating Oil (Internal)
Heat Exchanger Components (Lube	Carbon Steel	Lubricating Oil (Internal)
Heat Exchanger Components (Jack	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Waste Water (Internal)
Piping, piping components, and pipi	Gray Cast Iron	Soil (External)
Piping, piping components, and pipi	Carbon Steel	Concrete
Flow Device	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Turbocharger Casing	Carbon Steel	Closed Cycle Cooling Wat
Turbocharger Casing	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (CRD	Copper	Air/Gas - Wetted (External
Flow Device	Glass	Air - Indoor, Uncontrolled (
Accumulator	Stainless Steel	Air/Gas - Wetted (Internal)
Pump Casing ("B/C" RWCU Pump)	Cast Austenitic Stainless	Treated Water > 482°F (Ir
Valve Body	Copper Alloy with 15% Z	Air/Gas - Wetted (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Ducting and Components	Stainless Steel	Waste Water (Internal)
Strainer (Grates and Screens)	Stainless Steel	Treated Water (External)
Tanks (Skimmer Surge Tanks)	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Air C	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Heat Exchanger Components (Air C	Copper Alloy with less th	Closed Cycle Cooling Wat

Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Treated Water (Internal)
Pump Casing	Stainless Steel	Treated Water (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Hoses	Elastomer	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components (MCR	Carbon Steel	Air/Gas - Wetted (Internal)
Flow Device	Carbon Steel	Closed Cycle Cooling Wat
Pump Casing (Filter Demineralizer	Stainless Steel	Treated Water (Internal)
Heat Exchanger Components	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Pump Casing	Gray Cast Iron	Raw Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Fuel Oil (Internal)
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Soil (External)
Piping, piping components, and pipi	Carbon Steel	Air - Outdoor (External)
Piping, piping components, and pipi	Carbon Steel	Closed Cycle Cooling Wat
Fire Barriers (Fire Rated Enclosures	Darmatt	Air - Indoor, Uncontrolled (
Fire Hydrant	Gray Cast Iron	Soil (External)
Piping, piping components, and pipi	Galvanized Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Gray Cast Iron	Raw Water (Internal)
Piping, piping components, and pipi	Gray Cast Iron	Soil (External)
Piping, piping components, and pipi	Stainless Steel	Raw Water (Internal)
Pump Casing (Diesel Driven Fire P	Gray Cast Iron	Raw Water (Internal)
Spray Nozzles	Copper Alloy with 15% Z	Air/Gas - Wetted (Internal)
Spray Nozzles	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Copper Alloy with 15% Z	Air/Gas - Wetted (Internal)
Fire Barriers (Walls and Slabs)	Concrete	Air - Outdoor (External)
Fire Barriers (Walls and Slabs)	Concrete	Air - Indoor, Uncontrolled (
Tanks (10-T402 Backup Fire Water	Carbon Steel	Raw Water (Internal)
Tanks (10-T402 Backup Fire Water	Carbon Steel	Air - Outdoor (External)
Tanks (10-T404 Backup Fuel Oil Ta	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Lube oil)	Gray Cast Iron	Air - Indoor, Uncontrolled (
Pump Casing (Lube oil)	Gray Cast Iron	Lubricating Oil (Internal)
Pump Casing (Coolant)	Gray Cast Iron	Closed Cycle Cooling Wat
Pump Casing (Coolant)	Gray Cast Iron	Closed Cycle Cooling Wat
Tanks	Carbon Steel	Fuel Oil (Internal)
Tanks	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Closed Cycle Cooling Wat
Valve Body	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper Alloy with less th	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Instr	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Heat Exchanger Components (Instr	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Heat Exchanger Components (Conc	Copper Alloy with 15% Z	Raw Water (Internal)
Heat Exchanger Components (Reci	Copper Alloy	Closed Cycle Cooling Wat

Heat Exchanger Components (Reactor)	Copper	Air/Gas - Wetted (External)
Bolting	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled (Internal)
Heat Exchanger Components (EDG)	Copper Alloy with less than 10% Nickel	Raw Water (Internal)
Heat Exchanger Components (RHR)	Carbon Steel	Raw Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Heat Exchanger Components (Core)	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (HPC)	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (HPC)	Copper Alloy with less than 10% Nickel	Air/Gas - Wetted (External)
Tanks	Carbon Steel	Treated Water (Internal)
Tanks	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Tanks	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and piping	Stainless Steel	Sodium Pentaborate Solution
Valve Body	Stainless Steel	Sodium Pentaborate Solution
Valve Body	Stainless Steel	Sodium Pentaborate Solution
Pump Casing	Stainless Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled (Internal)
Tanks (Exhaust Silencer Drain Pot)	Carbon Steel	Air/Gas - Wetted (Internal)
Bolting	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and piping	Carbon Steel	Raw Water (Internal)
Piping, piping components, and piping	Stainless Steel	Raw Water (Internal)
Piping, piping components, and piping	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Pump Casing	Aluminum	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Hoses	Stainless Steel	Treated Water (Internal)
Flow Device	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and piping	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and piping	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and piping	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (SGT)	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Flow Device	Carbon Steel	Air/Gas - Wetted (Internal)
Tanks (Precoat)	Carbon Steel	Air/Gas - Wetted (Internal)
Tanks (Precoat)	Carbon Steel	Treated Water (Internal)
Valve Body	Copper Alloy with 15% Zinc	Treated Water (Internal)
Heat Exchanger Components ("B" and "C")	Stainless Steel	Treated Water > 140°F (Internal)
Ducting and Components	Galvanized Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and piping	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and piping	Stainless Steel	Air/Gas - Dry (Internal)
Piping, piping components, and piping	Glass	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and piping	Glass	Air/Gas - Dry (Internal)
Valve Body	Copper Alloy with less than 10% Nickel	Air - Indoor, Uncontrolled (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Strainer (Element)	Copper Alloy with less than 10% Nickel	Air - Indoor, Uncontrolled (Internal)
Ducting and Components	Elastomer	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and piping	Stainless Steel	Treated Water (Internal)
Accumulator	Stainless Steel	Air/Gas - Wetted (Internal)
Accumulator	Carbon Steel	Treated Water (Internal)
Flow Device (Flow Glasses)	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Flow Device (Flow Glasses)	Glass	Air - Indoor, Uncontrolled (Internal)

Flow Device (Flow Glasses)	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Cast Austenitic Stainless	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Sensor Element	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body (Relief Valves)	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (Gase	Carbon Steel	Closed Cycle Cooling Wat
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Pump Casing (Chiller Compressor C	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with 15% Z	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Dry (Internal)
Heat Exchanger Components (Proc	Stainless Steel	Closed Cycle Cooling Wat
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Waste Water > 140°F (Int
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Treated Water (External)
Crane/Hoist (RCWP)	Stainless Steel	Air - Indoor, Uncontrolled (
Equipment Storage Racks (In Spent	Aluminum Alloy	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Heat Exchanger Components ("A" F	Carbon Steel	Treated Water (Internal)
Pump Casing ("A" RWCU Pump)	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Rege	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Rege	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Non-	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Recc	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Piping, piping components, and pipi	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Hoses	Stainless Steel	Raw Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Expansion Joints	Stainless Steel	Treated Water (Internal)
Expansion Joints	Nickel Alloy	Air - Indoor, Uncontrolled (
Expansion Joints	Nickel Alloy	Air/Gas - Wetted (Internal)
Heat Exchanger Components (Chill	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Chill	Copper	Air/Gas - Dry (External)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Valve Body	Carbon Steel	Closed Cycle Cooling Wat

Flow Device	Glass	Raw Water (Internal)
Flow Device	Carbon Steel	Raw Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with less th	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Air C	Aluminum	Air/Gas - Wetted (External
Bolting	Stainless Steel Bolting	Air/Gas - Wetted (External
Piping, piping components, and pipi	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Galvanized Steel	Waste Water (Internal)
Piping, piping components, and pipi	Gray Cast Iron	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Waste Water (Internal)
Flow Device	Glass	Waste Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Closed Cycle Cooling Wat
Tanks (Condensate Backwash Rece	Carbon Steel	Air/Gas - Wetted (Internal)
Tanks (Condensate Backwash Rece	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Pump Casing ("B/C" RWCU Pump)	Cast Austenitic Stainless	Treated Water > 482°F (Ir
Pump Casing ("B/C" RWCU Pump)	Cast Austenitic Stainless	Treated Water > 482°F (Ir
Pump Casing ("B/C" RWCU Pump)	Cast Austenitic Stainless	Treated Water > 482°F (Ir
Valve Body	Aluminum	Air/Gas - Dry (Internal)
Valve Body	Aluminum	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Closed Cycle Cooling Wat
Valve Body	Copper	Air/Gas - Wetted (Internal)
Heat Exchanger Components (SGT	Copper	Closed Cycle Cooling Wat
Heat Exchanger Components (SGT	Copper	Air/Gas - Wetted (External
Tanks (Fuel Oil Storage Tanks)	Carbon Steel	Air - Outdoor (External)
Tanks (Fuel Oil Storage Tanks)	Carbon Steel	Fuel Oil (Internal)
Ducting and Components	Aluminum	Air/Gas - Wetted (Internal)
Ducting and Components	Aluminum	Air - Indoor, Uncontrolled (
Strainer (Grates and Screens)	Galvanized Steel	Air - Indoor, Uncontrolled (
Strainer (Grates and Screens)	Stainless Steel	Treated Water (External)
Tanks (Skimmer Surge Tanks)	Stainless Steel	Treated Water (Internal)
Tanks (Skimmer Surge Tanks)	Stainless Steel	Treated Water (Internal)
Pump Casing (Fuel Pool Cooling Pu	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Cast Austenitic Stainless	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Flow Device	Stainless Steel	Treated Water (Internal)

Pump Casing	Gray Cast Iron	Raw Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Crane/Hoist (Rail System)	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (Head Tank and Chemical Ac	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Raw Water (Internal)
Piping, piping components, and pipi	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Diesel Exhaust (Internal)
Piping, piping components, and pipi	Aluminum	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with less th	Raw Water (Internal)
Piping, piping components, and pipi	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with less th	Fuel Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Dry (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Diesel Driven Fire P	Gray Cast Iron	Raw Water (Internal)
Sprinkler Heads	Copper Alloy with less th	Air/Gas - Wetted (Internal)
Sprinkler Heads	Copper Alloy with less th	Raw Water (Internal)
Valve Body	Gray Cast Iron	Soil (External)
Valve Body	Gray Cast Iron	Air - Indoor, Uncontrolled (
Fire Barriers (Walls and Slabs)	Concrete	Air - Indoor, Uncontrolled (
Tanks (00-T530 Diesel Oil Day Tan	Carbon Steel	Fuel Oil (Internal)
Tanks (00-T519 Foam Solution Tan	Carbon Steel	Air - Indoor, Uncontrolled (
Hoses	Elastomer	Air/Gas - Wetted (Internal)
Pump Casing (Lube oil)	Carbon Steel	Air - Indoor, Uncontrolled (
Strainer (Element)	Stainless Steel	Fuel Oil (External)
Valve Body	Stainless Steel	Closed Cycle Cooling Wat
Valve Body	Carbon Steel	Air - Outdoor (External)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Fuel Oil (Internal)
Valve Body	Carbon Steel	Raw Water (Internal)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper Alloy with less th	Treated Water (Internal)
Heat Exchanger Components ("A" F	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components ("A" F	Stainless Steel	Air - Indoor, Uncontrolled (
Ducting and Components	Elastomer	Air/Gas - Wetted (Internal)
Tanks (Drywell Floor Drain Sump ar	Stainless Steel	Air - Indoor, Uncontrolled (
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Heat Exchanger Components (MCR	Carbon Steel	Raw Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (HPC	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (RCIC	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Fire Barriers (For steel components	Cafecote	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)

Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Accumulator (1A, 1B, 1C, 2B)	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Pump Casing	Stainless Steel	Air - Indoor, Uncontrolled (
Pump Casing	Stainless Steel	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Tanks (Dirty Fuel Oil Drain Tank)	Carbon Steel	Fuel Oil (Internal)
Tanks (Exhaust Silencer Drain Pot)	Carbon Steel	Raw Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Pump Casing	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Heat Exchanger Components ("B" a	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components ("B" a	Stainless Steel	Treated Water > 140°F (Ir
Tanks (Filter Demineralizer)	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
Ducting and Components	Stainless Steel	Air/Gas - Wetted (External
Ducting and Components	Stainless Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Outdoor (External)
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Aluminum	Air/Gas - Dry (Internal)
Piping, piping components, and pipi	Gray Cast Iron	Air/Gas - Wetted (Internal)
Accumulator (Instrument Gas Bottle	Carbon Steel	Air/Gas - Dry (Internal)
Strainer (Element)	Stainless Steel	Raw Water (External)
Dikes	Soil (Asphalt covered)	Air - Outdoor (External)
Piping, piping components, and pipi	Carbon Steel	Raw Water (Internal)
Accumulator	Stainless Steel	Treated Water (Internal)
Flow Device (Flow Glasses)	Glass	Air/Gas - Wetted (Internal)
Rupture Disks	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Cast Austenitic Stainless	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Valve Body (Relief Valves)	Stainless Steel	Treated Water (Internal)
Flow Device (Orifices)	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Flow Device (Flow Elements)	Stainless Steel	Treated Water (Internal)
Pump Casing (Chiller Compressor C	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Treated Water (Internal)
Recombiners (Gaseous Radwaste)	Stainless Steel	Treated Water > 140°F (Ir
Recombiners (Gaseous Radwaste)	Stainless Steel	Treated Water > 140°F (Ir

Heat Exchanger Components (Gas)	Stainless Steel	Treated Water (Internal)
Heat Exchanger Components (Gas)	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Waste Water (Internal)
Fuel Storage Racks	Stainless Steel	Treated Water (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Crane/Hoist (FFAP and Hoists)	Aluminum Alloy	Air - Indoor, Uncontrolled (
Crane/Hoist (Refueling Mast/Grapp)	Nickel Alloy	Air - Indoor, Uncontrolled (
In-Vessel Storage Racks	Stainless Steel	Air - Indoor, Uncontrolled (
In-Vessel Storage Racks	Aluminum Alloy	Air - Indoor, Uncontrolled (
Special Defective Fuel Storage Cor	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Stainless Steel	Raw Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Raw Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Rege)	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Non-	Stainless Steel	Treated Water > 140°F (Ir
Accumulator (2A, 2C)	Stainless Steel	Treated Water (Internal)
Accumulator (2A, 2C)	Stainless Steel	Treated Water (Internal)
Heat Exchanger Components (Chill)	Carbon Steel	Air/Gas - Dry (Internal)
Heat Exchanger Components (Chill)	Copper Alloy with less th	Air/Gas - Dry (External)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Concrete Curbs	Concrete	Air - Indoor, Uncontrolled (
Fire Barriers (Doors)	Carbon Steel	Air - Outdoor (External)
Fire Barriers (Doors)	Carbon Steel	Air - Indoor, Uncontrolled (
Ducting and Components	Stainless Steel	Air/Gas - Wetted (External
Valve Body	Gray Cast Iron	Closed Cycle Cooling Wat
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Expansion Joints (EDG HTX)	Elastomer	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Hoses	Elastomer	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Flow Device	Glass	Closed Cycle Cooling Wat
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Outdoor (External)
Expansion Joints	Stainless Steel	Diesel Exhaust (Internal)
Heat Exchanger Components (Air C	Copper Alloy with less th	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Galvanized Steel	Concrete
Piping, piping components, and pipi	Ductile Cast Iron	Concrete
Piping, piping components, and pipi	Gray Cast Iron	Waste Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)

Piping, piping components, and pipi	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Turbocharger Casing	Carbon Steel	Closed Cycle Cooling Wat
Turbocharger Casing	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Hoses	Elastomer	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Tanks (CECW Head Tanks)	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (SGT	Copper	Closed Cycle Cooling Wat
Heat Exchanger Components (RHR	Stainless Steel	Raw Water (Internal)
Tanks (Reactor Water Cleanup Bac	Stainless Steel	Waste Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Ducting and Components	Galvanized Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Fuel	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Fuel	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (HP Decon PP)	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Cast Austenitic Stainless	Treated Water (Internal)
Valve Body	Cast Austenitic Stainless	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Cast Austenitic Stainless	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (External)
Heat Exchanger Components (Gase	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Gase	Stainless Steel	Treated Water > 140°F (Ir
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Valve Body	Copper Alloy with less th	Treated Water (Internal)
Tanks	Stainless Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Closed Cycle Cooling Wat
Tanks (Precoat)	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Tanks (00-T519 Foam Solution Tan	Carbon Steel	Raw Water (Internal)
Tanks (10-T404 Backup Fuel Oil Ta	Carbon Steel	Air/Gas - Wetted (Internal)
Tanks (Retard Chambers)	Gray Cast Iron	Raw Water (Internal)
Water Motor Alarm	Aluminum	Raw Water (Internal)
Hoses	Elastomer	Closed Cycle Cooling Wat
Flexible Connection	Carbon Steel	Closed Cycle Cooling Wat
Flexible Connection	Carbon Steel	Lubricating Oil (Internal)
Pump Casing (Fuel Oil)	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Fuel Oil)	Carbon Steel	Fuel Oil (Internal)
Pump Casing (Fuel Oil)	Carbon Steel	Fuel Oil (Internal)
Tanks	Carbon Steel	Fuel Oil (Internal)
Tanks	Carbon Steel	Lubricating Oil (Internal)

Tanks	Carbon Steel	Closed Cycle Cooling Wat
Valve Body	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Valve Body	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Air - Outdoor (External)
Valve Body	Carbon Steel	Closed Cycle Cooling Wat
Valve Body	Carbon Steel	Diesel Exhaust (Internal)
Valve Body	Carbon Steel	Fuel Oil (Internal)
Pump Casing (Toxic Gas Analyzer I	Stainless Steel	Air/Gas - Wetted (Internal)
Pump Casing (Toxic Gas Analyzer I	Stainless Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Gray Cast Iron	Closed Cycle Cooling Wat
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with 15% Z	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Heat Exchanger Components ("B" a	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components ("B" a	Carbon Steel	Closed Cycle Cooling Wat
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Conc	Copper Alloy with 15% Z	Air/Gas - Wetted (External)
Heat Exchanger Components (Conc	Carbon Steel	Raw Water (Internal)
Tanks (Drywell Floor Drain Sump ar	Stainless Steel	Waste Water > 140°F (Int
Heat Exchanger Components (Reac	Copper	Closed Cycle Cooling Wat
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Outdoor (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components (EDG	Copper Alloy with less th	Raw Water (Internal)
Heat Exchanger Components (ECC	Carbon Steel	Raw Water (Internal)
Heat Exchanger Components (MCR	Copper Alloy with less th	Raw Water (Internal)
Spray Nozzles	Stainless Steel	Raw Water (Internal)
Valve Body	Carbon Steel	Raw Water (Internal)
Heat Exchanger Components (Core	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Core	Copper Alloy with less th	Air/Gas - Wetted (External)
Tanks	Stainless Steel	Air - Indoor, Uncontrolled (
Tanks	Stainless Steel	Sodium Pentaborate Solut
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Sodium Pentaborate Solut
Valve Body	Stainless Steel	Treated Water (Internal)
Pump Casing	Stainless Steel	Sodium Pentaborate Solut
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Pump Casing (Reactor Enclosure C	Gray Cast Iron	Closed Cycle Cooling Wat
Tanks (Exhaust Silencer Drain Pot)	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing	Copper Alloy with less th	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Raw Water (Internal)

Piping, piping components, and piping	Carbon Steel	Air - Indoor, Uncontrolled (
Sensor Element	Stainless Steel	Treated Water (Internal)
Valve Body (Check Valves)	Stainless Steel	Air - Indoor, Uncontrolled (
Flow Device (Orifices)	Stainless Steel	Treated Water (Internal)
Flow Device (Orifices)	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (FWH)	Copper	Closed Cycle Cooling Wat
Heat Exchanger Components (Reac)	Carbon Steel	Closed Cycle Cooling Wat
Flow Device	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and piping	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and piping	Carbon Steel	Closed Cycle Cooling Wat
Piping, piping components, and piping	Carbon Steel	Waste Water (Internal)
Piping, piping components, and piping	Stainless Steel	Waste Water (Internal)
Piping, piping components, and piping	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and piping	Stainless Steel	Treated Water > 140°F (Ir
Recombiners (Gaseous Radwaste)	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Tanks (Gaseous Radwaste Hydroge)	Stainless Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Waste Water (Internal)
Crane/Hoist (RCWP)	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and piping	Carbon Steel	Air - Outdoor (External)
Piping, piping components, and piping	Carbon Steel	Soil (External)
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Heat Exchanger Components (Chill)	Carbon Steel	Lubricating Oil (Internal)
Flow Device	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Cast Austenitic Stainless	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Regen)	Carbon or Low Alloy Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Non-	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Non-	Carbon or Low Alloy Steel	Treated Water > 140°F (Ir
Piping, piping components, and piping	Copper Alloy with 15% Z	Raw Water (Internal)
Piping, piping components, and piping	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Cast Austenitic Stainless	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Raw Water (Internal)
Piping, piping components, and piping	Glass	Fuel Oil (Internal)
Piping, piping components, and piping	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and piping	Carbon Steel	Air - Outdoor (External)
Piping, piping components, and piping	Carbon Steel	Fuel Oil (Internal)
Piping, piping components, and piping	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and piping	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and piping	Gray Cast Iron	Lubricating Oil (Internal)
Piping, piping components, and piping	Gray Cast Iron	Lubricating Oil (Internal)
Piping, piping components, and piping	Glass	Lubricating Oil (Internal)
Piping, piping components, and piping	Stainless Steel	Diesel Exhaust (Internal)
Piping, piping components, and piping	Carbon Steel	Lubricating Oil (Internal)
Hoses	Stainless Steel	Air/Gas - Dry (Internal)
Piping, piping components, and piping	Gray Cast Iron	Air - Indoor, Uncontrolled (
Piping, piping components, and piping	Polymer	Raw Water (Internal)

Piping, piping components, and pipi	Polymer	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Outdoor (External)
Piping, piping components, and pipi	Carbon Steel	Raw Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Sprinkler Heads	Copper Alloy with less th	Air/Gas - Wetted (Internal)
Sprinkler Heads	Copper Alloy with less th	Air - Outdoor (External)
Sprinkler Heads	Copper Alloy with less th	Raw Water (Internal)
Tanks (CO2)	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Raw Water (Internal)
Valve Body	Stainless Steel	Air/Gas - Dry (Internal)
Valve Body	Gray Cast Iron	Soil (External)
Valve Body	Carbon Steel	Fuel Oil (Internal)
Valve Body	Carbon Steel	Raw Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air/Gas - Wetted (External)
Flow Device	Stainless Steel	Waste Water (Internal)
Accumulator (ADS)	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Lubricating Oil (Internal)
Piping, piping components, and pipi	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Accumulator	Stainless Steel	Air/Gas - Dry (Internal)
Valve Body	Stainless Steel	Closed Cycle Cooling Wat
Heat Exchanger Components (RHR	Copper Alloy with less th	Raw Water (Internal)
Heat Exchanger Components (RHR	Stainless Steel	Raw Water (Internal)
Flow Device	Stainless Steel	Air - Indoor, Uncontrolled (
Tanks (Reactor Water Cleanup Bac	Stainless Steel	Air/Gas - Wetted (Internal)
Tanks (Reactor Water Cleanup Bac	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with less th	Treated Water (Internal)
Valve Body	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Raw Water (Internal)
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Expansion Joints (RHR motor oil co	Stainless Steel	Raw Water (Internal)
Heat Exchanger Components (Fuel	Carbon Steel	Treated Water (Internal)
Pump Casing (HP Decon PP)	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with less th	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Concrete (Embedded)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Cast Austenitic Stainless	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Jack	Copper Alloy with less th	Closed Cycle Cooling Wat
Heat Exchanger Components (Jack	Copper Alloy with less th	Closed Cycle Cooling Wat
Heat Exchanger Components (Jack	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (

Valve Body	Copper Alloy with less than 10% Nickel	Air - Indoor, Uncontrolled (Internal)
Flow Device	Stainless Steel	Treated Water (Internal)
Piping, piping components, and piping	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Heat Exchanger Components (MCR)	Copper	Air/Gas - Wetted (External)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Internal)
Valve Body	Copper Alloy with 15% Zinc	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy Steel	Soil (External)
Piping, piping components, and piping	Aluminum Alloy	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Accumulator (Instrument Gas Bottle)	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Ducting and Components	Galvanized Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and piping	Copper Alloy with less than 10% Nickel	Treated Water (Internal)
Piping, piping components, and piping	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and piping	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled (Internal)
Accumulator	Stainless Steel	Treated Water (Internal)
Piping, piping components, and piping	Carbon Steel	Treated Water (Internal)
Piping, piping components, and piping	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Sensor Element	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Sensor Element	Stainless Steel	Treated Water (Internal)
Piping, piping components, and piping	Stainless Steel	Treated Water > 140°F (Internal)
Piping, piping components, and piping	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and piping	Stainless Steel	Treated Water (Internal)
Piping, piping components, and piping	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components ("A" Flow)	Carbon Steel	Closed Cycle Cooling Water
Heat Exchanger Components ("A" Flow)	Stainless Steel	Closed Cycle Cooling Water
Ducting and Components	Galvanized Steel	Air/Gas - Wetted (Internal)
Ducting and Components	Galvanized Steel	Air - Indoor, Uncontrolled (Internal)
Heat Exchanger Components (Condensers)	Copper Alloy with 15% Zinc	Raw Water (Internal)
Heat Exchanger Components (Condensers)	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Tanks (Drywell Floor Drain Sump and Sumps)	Stainless Steel	Waste Water > 140°F (Internal)
Heat Exchanger Components (RHR)	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (EDG)	Copper Alloy with less than 10% Nickel	Raw Water (Internal)
Heat Exchanger Components (MCR)	Copper Alloy with less than 10% Nickel	Raw Water (Internal)
Pump Casing	Carbon Steel	Raw Water (External)
Valve Body	Stainless Steel	Air - Outdoor (External)
Heat Exchanger Components (RCIC)	Carbon Steel	Air/Gas - Wetted (Internal)
Fire Barriers (For steel components)	Cafecote	Air - Indoor, Uncontrolled (Internal)
Tanks	Stainless Steel	Sodium Pentaborate Solution
Tanks	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and piping	Carbon Steel	Treated Water (Internal)
Piping, piping components, and piping	Stainless Steel	Sodium Pentaborate Solution
Piping, piping components, and piping	Stainless Steel	Sodium Pentaborate Solution
Accumulator (1A, 1B, 1C, 2B)	Stainless Steel	Air - Indoor, Uncontrolled (Internal)

Valve Body	Carbon Steel	Treated Water (Internal)
Pump Casing	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Pump Casing (Reactor Enclosure C	Gray Cast Iron	Air - Indoor, Uncontrolled (
Flexible Connection	Carbon Steel	Diesel Exhaust (Internal)
Pump Casing	Aluminum	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Raw Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Hoses	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Expansion Joints	Stainless Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Chill	Carbon Steel	Air/Gas - Dry (Internal)
Heat Exchanger Components (Chill	Copper Alloy with less th	Air/Gas - Dry (External)
Heat Exchanger Components (Chill	Copper	Closed Cycle Cooling Wat
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Concrete Curbs	Concrete	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Ducting and Components	Aluminum	Air - Indoor, Uncontrolled (
Tanks	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Closed Cycle Cooling Wat
Valve Body	Carbon Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Tanks (MCR and AER Rm Humidifi	Stainless Steel	Waste Water (Internal)
Expansion Joints	Stainless Steel	Air - Indoor, Uncontrolled (
Expansion Joints	Stainless Steel	Diesel Exhaust (Internal)
Heat Exchanger Components (Jack	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Ductile Cast Iron	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Ductile Cast Iron	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Gray Cast Iron	Waste Water (Internal)
Piping, piping components, and pipi	Galvanized Steel	Waste Water (Internal)
Piping, piping components, and pipi	Gray Cast Iron	Waste Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Waste Water > 140°F (Int
Recombiners (Gaseous Radwaste)	Stainless Steel	Treated Water > 140°F (In
Valve Body	Carbon Steel	Waste Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Waste Water > 140°F (Int
Tanks (Gaseous Radwaste Hydroge	Stainless Steel	Treated Water (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (

Crane/Hoist (Fuel Prep Machine)	Aluminum Alloy	Treated Water (External)
Crane/Hoist (Refueling Mast/Grapple)	Aluminum Alloy	Air - Indoor, Uncontrolled (
CRB and Defective Fuel Racks (In S	Stainless Steel	Treated Water (External)
Equipment Storage Racks (In Spen	Aluminum Alloy	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Raw Water (Internal)
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components ("A" F	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Reg	Carbon or Low Alloy Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Non-	Carbon or Low Alloy Steel	Treated Water > 140°F (Ir
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with 15% Z	Raw Water (Internal)
Piping, piping components, and pipi	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Piping, piping components, and pipi	Copper	Raw Water (Internal)
Pump Casing	Gray Cast Iron	Air - Indoor, Uncontrolled (
Valve Body	Gray Cast Iron	Raw Water (Internal)
Valve Body	Ductile Cast Iron	Raw Water (Internal)
Tanks (Head Tank and Chemical Ac	Carbon Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Ductile Cast Iron	Fuel Oil (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Outdoor (External)
Piping, piping components, and pipi	Stainless Steel	Diesel Exhaust (Internal)
Fire Barriers (Fire Rated Enclosures	Thermolag	Air - Indoor, Uncontrolled (
Fire Hydrant	Gray Cast Iron	Air - Outdoor (External)
Hoses	Stainless Steel	Fuel Oil (Internal)
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Dry (Internal)
Piping, piping components, and pipi	Carbon Steel	Diesel Exhaust (Internal)
Piping, piping components, and pipi	Carbon Steel	Diesel Exhaust (Internal)
Sprinkler Heads	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Sprinkler Heads	Copper Alloy with less th	Air - Outdoor (External)
Valve Body	Gray Cast Iron	Raw Water (Internal)
Valve Body	Copper Alloy with 15% Z	Raw Water (Internal)
Valve Body	Carbon Steel	Air/Gas - Dry (Internal)
Fire Barriers (Penetration Seals)	Elastomer	Air - Indoor, Uncontrolled (
Fire Barriers (Walls and Slabs)	Concrete	Air - Outdoor (External)
Fire Barriers (Walls and Slabs)	Concrete	Air - Indoor, Uncontrolled (
Fire Barriers (Walls and Slabs)	Concrete	Air - Indoor, Uncontrolled (
Water Motor Alarm	Aluminum	Air - Indoor, Uncontrolled (
Flexible Connection	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Fuel Oil)	Gray Cast Iron	Fuel Oil (Internal)
Pump Casing (Coolant)	Gray Cast Iron	Air - Indoor, Uncontrolled (
Strainer (Element)	Stainless Steel	Lubricating Oil (External)
Tanks	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Copper Alloy with 15% Z	Fuel Oil (Internal)
Valve Body	Stainless Steel	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Copper Alloy with 15% Z	Fuel Oil (Internal)
Compressor	Gray Cast Iron	Air/Gas - Wetted (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Closed Cycle Cooling Wat
Valve Body	Gray Cast Iron	Air - Indoor, Uncontrolled (

Valve Body	Gray Cast Iron	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper Alloy with 15% Z	Treated Water (Internal)
Tanks (Chemical Feed Tanks)	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (RHR	Stainless Steel	Raw Water (Internal)
Tanks (Fuel Oil Storage Tanks)	Carbon Steel	Air/Gas - Wetted (Internal)
Tanks (Fuel Oil Storage Tanks)	Carbon Steel	Fuel Oil (Internal)
Ducting and Components	Stainless Steel	Air/Gas - Wetted (External)
Ducting and Components	Carbon Steel	Air/Gas - Wetted (Internal)
Ducting and Components	Galvanized Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Air C	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Heat Exchanger Components (Jack	Carbon Steel	Closed Cycle Cooling Wat
Heat Exchanger Components (Gase	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Glass	Treated Water (Internal)
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Hoses	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (SGT	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (MCF	Copper	Air/Gas - Wetted (External)
Flow Device	Glass	Closed Cycle Cooling Wat
Heat Exchanger Components	Copper Alloy with less th	Treated Water (Internal)
Valve Body	Copper Alloy with less th	Treated Water (Internal)
Valve Body	Copper Alloy with 15% Z	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Control Encl. Chilled	Carbon Steel	Air - Indoor, Uncontrolled (
Ducting and Components	Elastomer	Air/Gas - Wetted (Internal)
Ducting and Components	Aluminum	Air/Gas - Wetted (Internal)
Ducting and Components	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Ductile Cast Iron	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Zinc	Air/Gas - Dry (Internal)
Ducting and Components	Elastomer	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Copper Alloy with less th	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Accumulator	Stainless Steel	Air - Indoor, Uncontrolled (
Flow Device (Flow Glasses)	Glass	Treated Water (Internal)
Flow Device (Flow Glasses)	Carbon Steel	Treated Water (Internal)

Flow Device (Flow Glasses)	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body (Relief Valves)	Stainless Steel	Treated Water (Internal)
Valve Body (Relief Valves)	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body (Check Valves)	Stainless Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device (Flow Elements)	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Glass	Air/Gas - Wetted (Internal)
Blower (Combustion air)	Aluminum	Air - Indoor, Uncontrolled (
Blower (Combustion air)	Aluminum	Air/Gas - Wetted (Internal)
Ducting and Components	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Conc	Copper	Raw Water (Internal)
Heat Exchanger Components (EDG	Carbon Steel	Raw Water (Internal)
Heat Exchanger Components (ECC	Carbon Steel	Air - Indoor, Uncontrolled (
Spray Nozzles	Stainless Steel	Air/Gas - Wetted (Internal)
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Heat Exchanger Components (Core	Copper Alloy with less th	Air/Gas - Wetted (External
Heat Exchanger Components (RCIC	Copper Alloy with less th	Air/Gas - Wetted (External
Pump Casing	Copper Alloy with less th	Treated Water (Internal)
Tanks	Stainless Steel	Treated Water (Internal)
Tanks	Stainless Steel	Sodium Pentaborate Solut
Piping, piping components, and pipi	Glass	Treated Water (Internal)
Valve Body	Stainless Steel	Sodium Pentaborate Solut
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Pump Casing (Reactor Enclosure C	Gray Cast Iron	Closed Cycle Cooling Wat
Flexible Connection	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (Dirty Fuel Oil Drain Tank)	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Raw Water (Internal)
Heat Exchanger Components	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components	Stainless Steel	Treated Water (Internal)
Heat Exchanger Components	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Ducting and Components	Elastomer	Air/Gas - Wetted (Internal)
Ducting and Components	Aluminum	Air/Gas - Wetted (Internal)
Ducting and Components	Carbon Steel	Air/Gas - Wetted (Internal)
Ducting and Components	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (

Flow Device	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Outdoor (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Air C	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Gray Cast Iron	Air - Outdoor (External)
Piping, piping components, and pipi	Gray Cast Iron	Waste Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Gray Cast Iron	Concrete
Piping, piping components, and pipi	Stainless Steel	Waste Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Waste Water (Internal)
Valve Body	Carbon Steel	Waste Water (Internal)
Flow Device	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Glass	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Tanks (Condensate Backwash Rece	Carbon Steel	Waste Water (Internal)
Hoses	Elastomer	Treated Water (Internal)
Flow Device	Carbon Steel	Air/Gas - Wetted (Internal)
Pump Casing ("B/C" RWCU Pump)	Cast Austenitic Stainless	Treated Water > 482°F (Ir
Valve Body	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Tanks (Chemical Feed Tanks)	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Recombiners (Gaseous Radwaste)	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Gase	Stainless Steel	Treated Water (Internal)
Fuel Storage Racks	Stainless Steel	Treated Water (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Crane/Hoist (Fuel Prep Machine)	Aluminum Alloy	Air - Indoor, Uncontrolled (
Crane/Hoist (FFAP and Hoists)	Carbon Steel	Air - Indoor, Uncontrolled (
Special Defective Fuel Storage Cor	Stainless Steel	Treated Water (External)
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Flow Device	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Pump Casing ("A" RWCU Pump)	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Rege	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Non-	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Non-	Stainless Steel	Treated Water > 140°F (Ir
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Reco	Carbon Steel	Raw Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Raw Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Raw Water (Internal)

Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Ductile Cast Iron	Air - Indoor, Uncontrolled (
Crane/Hoist (Rail System)	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (Head Tank and Chemical Ac	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Gray Cast Iron	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper Alloy with less th	Lubricating Oil (Internal)
Fire Barriers (Fire Rated Enclosures	Thermolag	Air - Indoor, Uncontrolled (
Fire Hydrant	Gray Cast Iron	Soil (External)
Fire Hydrant	Gray Cast Iron	Raw Water (Internal)
Hoses	Stainless Steel	Fuel Oil (Internal)
Piping, piping components, and pipi	Cement	Raw Water (Internal)
Piping, piping components, and pipi	Ductile Cast Iron	Raw Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Copper Alloy with less th	Fuel Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Spray Nozzles	Aluminum	Air - Outdoor (External)
Spray Nozzles	Stainless Steel	Air/Gas - Wetted (Internal)
Spray Nozzles	Copper Alloy with less th	Air/Gas - Wetted (Internal)
Valve Body	Gray Cast Iron	Air - Outdoor (External)
Valve Body	Copper Alloy with 15% Z	Raw Water (Internal)
Valve Body	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Fuel Oil (Internal)
Fire Barriers (Penetration Seals)	Grout	Air - Indoor, Uncontrolled (
Tanks (Halon Cylinders)	Carbon Steel	Air/Gas - Dry (Internal)
Hoses	Elastomer	Air - Indoor, Uncontrolled (
Pump Casing (Fuel Oil)	Carbon Steel	Air - Outdoor (External)
Strainer (Element)	Stainless Steel	Lubricating Oil (External)
Tanks	Stainless Steel	Air - Indoor, Uncontrolled (
Tanks	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Copper Alloy with 15% Z	Air/Gas - Wetted (Internal)
Valve Body	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Outdoor (External)
Pump Casing (Condensate Backwa	Carbon Steel	Waste Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Instr	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Ducting and Components	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air - Indoor, Uncontrolled (
Flow Device	Glass	Waste Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Accumulator	Stainless Steel	Air - Indoor, Uncontrolled (
Pump Casing ("B/C" RWCU Pump)	Cast Austenitic Stainless	Air - Indoor, Uncontrolled (
Tanks (Chemical Feed Tanks)	Carbon Steel	Closed Cycle Cooling Wat
Heat Exchanger Components (SGT	Copper	Air/Gas - Wetted (External)
Heat Exchanger Components (RHR	Copper Alloy with less th	Raw Water (Internal)
Valve Body	Copper Alloy with less th	Treated Water (Internal)

Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with less th	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Glass	Lubricating Oil (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (External)
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (External)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (External)
Heat Exchanger Components (Gase	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Gase	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Pump Casing	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Filter Demineralizer	Stainless Steel	Air - Indoor, Uncontrolled (
Pump Casing (Filter Demineralizer	Stainless Steel	Treated Water (Internal)
Tanks (Precoat)	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components ("B" a	Stainless Steel	Air - Indoor, Uncontrolled (
Ducting and Components	Stainless Steel	Waste Water (Internal)
Ducting and Components	Aluminum	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Aluminum	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Ducting and Components	Carbon Steel	Air/Gas - Wetted (Internal)
Flow Device (Flow Glasses)	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (FWH	Copper	Air/Gas - Wetted (External)
Heat Exchanger Components (Reac	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Closed Cycle Cooling Wat

Piping, piping components, and pipi	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air/Gas - Dry (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Galvanized Steel	Raw Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Raw Water (Internal)
Spray Nozzles	Aluminum	Raw Water (Internal)
Valve Body	Ductile Cast Iron	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with less th	Air/Gas - Dry (Internal)
Valve Body	Carbon Steel	Soil (External)
Fire Barriers (Penetration Seals)	Grout	Air - Indoor, Uncontrolled (
Fire Barriers (Walls and Slabs)	Concrete	Air - Outdoor (External)
Tanks (00-T530 Diesel Oil Day Tan	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (10-T404 Backup Fuel Oil Ta	Carbon Steel	Fuel Oil (Internal)
Tanks (10-T404 Backup Fuel Oil Ta	Carbon Steel	Fuel Oil (Internal)
Tanks (Retard Chambers)	Gray Cast Iron	Raw Water (Internal)
Flexible Connection	Carbon Steel	Lubricating Oil (Internal)
Pump Casing (Lube oil)	Gray Cast Iron	Lubricating Oil (Internal)
Pump Casing (Lube oil)	Carbon Steel	Lubricating Oil (Internal)
Pump Casing (Fuel Oil)	Gray Cast Iron	Air - Indoor, Uncontrolled (
Strainer (Element)	Stainless Steel	Fuel Oil (External)
Valve Body	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Valve Body	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Valve Body	Stainless Steel	Fuel Oil (Internal)
Valve Body	Copper Alloy with 15% Z	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Heat Exchanger Components (RHR	Carbon or Low Alloy Stee	Raw Water (Internal)
Heat Exchanger Components (MCR	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Outdoor (External)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Pump Casing	Stainless Steel	Sodium Pentaborate Solut
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Tanks (Dirty Fuel Oil Drain Tank)	Carbon Steel	Air - Indoor, Uncontrolled (
Crane/Hoist (Rail System)	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Raw Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Raw Water (Internal)
Hoses	Stainless Steel	Treated Water (Internal)
Hoses	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Expansion Joints	Nickel Alloy	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Chill	Copper	Closed Cycle Cooling Wat
Concrete Curbs	Concrete	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Closed Cycle Cooling Wat
Ducting and Components	Stainless Steel	Waste Water (Internal)

Tanks	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Valve Body	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air/Gas - Wetted (Internal)
Flow Device	Carbon Steel	Air/Gas - Wetted (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Air C	Copper Alloy with less th	Closed Cycle Cooling Wat
Heat Exchanger Components (Air C	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Air C	Copper Alloy with less th	Air/Gas - Wetted (External
Piping, piping components, and pipi	Ductile Cast Iron	Air - Outdoor (External)
Piping, piping components, and pipi	Galvanized Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (External
Tanks	Stainless Steel	Treated Water (Internal)
Heat Exchanger Components (MCR	Copper	Closed Cycle Cooling Wat
Heat Exchanger Components (MCR	Copper	Closed Cycle Cooling Wat
Tanks	Carbon Steel	Treated Water (Internal)
Tanks	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components ("B" a	Stainless Steel	Treated Water > 140°F (Ir
Tanks (Filter Demineralizer)	Carbon or Low Alloy Stee	Treated Water (Internal)
Pump Casing (Control Encl. Chilled	Carbon Steel	Closed Cycle Cooling Wat
Ducting and Components	Galvanized Steel	Air - Indoor, Uncontrolled (
Ducting and Components	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Zinc	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air/Gas - Dry (Internal)
Strainer (Element)	Copper Alloy with less th	Air/Gas - Dry (Internal)
Ducting and Components	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Flow Device (Orifices)	Stainless Steel	Treated Water (Internal)
Flexible Connection	Stainless Steel	Air - Indoor, Uncontrolled (
Flexible Connection	Stainless Steel	Closed Cycle Cooling Wat
Heat Exchanger Components (Reac	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air/Gas - Wetted (Internal)
Pump Casing (Chiller Compressor C	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Proc	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Waste Water (Internal)

Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Waste Water > 140°F (Int
Fuel Storage Racks	Boral	Treated Water (External)
Crane/Hoist (Refueling Mast/Grapp	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Outdoor (External)
Piping, piping components, and pipi	Carbon Steel	Raw Water (Internal)
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Flow Device	Glass	Lubricating Oil (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Cast Austenitic Stainless	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Non-	Carbon or Low Alloy Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Non-	Carbon or Low Alloy Steel	Treated Water > 140°F (Ir
Crane/Hoist (Jib crane / Columns /	Carbon Steel	Air - Indoor, Uncontrolled (
Accumulator (2A, 2C)	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy	Raw Water (Internal)
Valve Body	Copper Alloy	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Fuel Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Outdoor (External)
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Diesel Exhaust (Internal)
Fire Barriers (Fire Rated Enclosures	Darmatt	Air - Indoor, Uncontrolled (
Hoses	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Raw Water (Internal)
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Heat Exchanger Components (HPC	Copper Alloy with less th	Air/Gas - Wetted (External)
Pump Casing	Copper Alloy with less th	Treated Water (Internal)
Tanks	Stainless Steel	Treated Water (Internal)
Tanks	Stainless Steel	Sodium Pentaborate Solut
Tanks	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Accumulator (1A, 1B, 1C, 2B)	Carbon Steel	Air - Indoor, Uncontrolled (
Accumulator (1A, 1B, 1C, 2B)	Carbon Steel	Treated Water (Internal)
Accumulator (1A, 1B, 1C, 2B)	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Pump Casing	Copper Alloy with less th	Raw Water (Internal)
Pump Casing	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Raw Water (Internal)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Chill	Copper	Air/Gas - Dry (External)
Piping, piping components, and pipi	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Closed Cycle Cooling Wat

Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Dryw	Copper	Closed Cycle Cooling Wat
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Tanks (MCR and AER Rm Humidifi	Stainless Steel	Air/Gas - Wetted (Internal)
Tanks (MCR and AER Rm Humidifi	Stainless Steel	Air/Gas - Wetted (External)
Electric Heaters (Housing)	Carbon Steel	Lubricating Oil (Internal)
Heat Exchanger Components (Lube	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Air C	Copper Alloy with less th	Air/Gas - Wetted (External)
Heat Exchanger Components (Air C	Aluminum	Air/Gas - Wetted (External)
Bolting	Stainless Steel Bolting	Air/Gas - Wetted (External)
Piping, piping components, and pipi	Galvanized Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Ductile Cast Iron	Waste Water (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Accumulator (ADS)	Stainless Steel	Air/Gas - Dry (Internal)
Piping, piping components, and pipi	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Heat Exchanger Components (CRD	Copper	Closed Cycle Cooling Wat
Flow Device	Glass	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Closed Cycle Cooling Wat
Valve Body	Stainless Steel	Air/Gas - Dry (Internal)
Valve Body	Copper	Air - Indoor, Uncontrolled (
Tanks (CECW Head Tanks)	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Stainless Steel	Air/Gas - Wetted (Internal)
Tanks (Fuel Oil Storage Tanks)	Carbon Steel	Soil (External)
Valve Body	Stainless Steel	Treated Water (Internal)
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Expansion Joints (RHR motor oil co	Stainless Steel	Air - Indoor, Uncontrolled (
Pump Casing (HP Decon PP)	Stainless Steel	Treated Water (Internal)
Pump Casing (Fuel Pool Cooling Pu	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Cast Austenitic Stainless	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Air C	Copper Alloy with less th	Closed Cycle Cooling Wat
Heat Exchanger Components (Gase	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing ("A" RWCU Pump)	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Rege	Carbon or Low Alloy Stee	Treated Water > 140°F (Ir
Heat Exchanger Components (Rege	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Non-	Stainless Steel	Treated Water > 140°F (Ir
Crane/Hoist (Monorail Beams / Lifti	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Gray Cast Iron	Raw Water (Internal)
Valve Body	Gray Cast Iron	Air - Indoor, Uncontrolled (

Piping, piping components, and pipi	Carbon Steel	Air - Outdoor (External)
Piping, piping components, and pipi	Carbon Steel	Fuel Oil (Internal)
Piping, piping components, and pipi	Ductile Cast Iron	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Ductile Cast Iron	Fuel Oil (Internal)
Piping, piping components, and pipi	Copper Alloy with less th	Fuel Oil (Internal)
Piping, piping components, and pipi	Copper Alloy with less th	Fuel Oil (Internal)
Piping, piping components, and pipi	Copper Alloy with less th	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Fuel Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Gray Cast Iron	Raw Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Fuel Oil (Internal)
Pump Casing (Diesel Driven Fire P	Gray Cast Iron	Air - Indoor, Uncontrolled (
Sprinkler Heads	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Valve Body	Ductile Cast Iron	Raw Water (Internal)
Valve Body	Copper Alloy with less th	Air/Gas - Wetted (Internal)
Valve Body	Copper Alloy with less th	Raw Water (Internal)
Valve Body	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with 15% Z	Air/Gas - Dry (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Fire Barriers (Penetration Seals)	Carbon Steel	Air - Indoor, Uncontrolled (
Fire Barriers (Walls and Slabs)	Concrete	Air - Outdoor (External)
Tanks (10-T402 Backup Fire Water	Carbon Steel	Soil (External)
Tanks (00-T530 Diesel Oil Day Tan	Carbon Steel	Fuel Oil (Internal)
Tanks (00-T519 Foam Solution Tan	Carbon Steel	Air/Gas - Wetted (Internal)
Tanks (Halon Cylinders)	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (Retard Chambers)	Gray Cast Iron	Air - Indoor, Uncontrolled (
Hoses	Elastomer	Lubricating Oil (Internal)
Pump Casing (Lube oil)	Carbon Steel	Lubricating Oil (Internal)
Pump Casing (Fuel Oil)	Gray Cast Iron	Fuel Oil (Internal)
Valve Body	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Valve Body	Copper Alloy with 15% Z	Fuel Oil (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Fuel Oil (Internal)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Flow Device	Glass	Raw Water (Internal)
Ducting and Components	Elastomer	Air - Indoor, Uncontrolled (
Tanks (Drywell Floor Drain Sump ar	Stainless Steel	Air/Gas - Wetted (Internal)
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Heat Exchanger Components (RHR	Copper Alloy with less th	Air/Gas - Wetted (External
Heat Exchanger Components (RHR	Copper Alloy with less th	Air/Gas - Wetted (External
Bolting	Carbon and Low Alloy St	Air - Outdoor (External)
Heat Exchanger Components (RHR	Stainless Steel	Raw Water (Internal)
Heat Exchanger Components (RHR	Stainless Steel	Raw Water (Internal)

Heat Exchanger Components (RHR)	Stainless Steel	Raw Water (Internal)
Pump Casing	Carbon Steel	Air/Gas - Wetted (Internal)
Pump Casing	Carbon Steel	Raw Water (Internal)
Spray Nozzles	Stainless Steel	Air - Outdoor (External)
Heat Exchanger Components (Lube)	Copper Alloy with 15% Z	Lubricating Oil (External)
Heat Exchanger Components (Gase)	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Gase)	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with less th	Treated Water (Internal)
Pump Casing	Stainless Steel	Air - Indoor, Uncontrolled (
Tanks	Stainless Steel	Treated Water (Internal)
Flow Device	Glass	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (MCR)	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air/Gas - Wetted (Internal)
Heat Exchanger Components	Copper Alloy with less th	Treated Water (Internal)
Valve Body	Copper Alloy with less th	Treated Water (Internal)
Valve Body	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Crane/Hoist (Bridge / Trolley / Girde	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (Filter Demineralizer)	Carbon or Low Alloy Stee	Treated Water (Internal)
Ducting and Components	Stainless Steel	Air/Gas - Wetted (Internal)
Bolting	Carbon and Low Alloy St	Soil (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Nickel Alloy	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Nickel Alloy	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Ducting and Components	Galvanized Steel	Air - Indoor, Uncontrolled (
Accumulator	Carbon Steel	Air - Indoor, Uncontrolled (
Accumulator	Carbon Steel	Air/Gas - Wetted (Internal)
Accumulator	Carbon Steel	Treated Water (Internal)
Valve Body	Cast Austenitic Stainless	Treated Water (Internal)
Sensor Element	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (Gase)	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Dry (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Waste Water (Internal)

Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (Gaseous Radwaste Hydroge	Stainless Steel	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Treated Water (External)
Crane/Hoist (Fuel Prep Machine)	Aluminum Alloy	Treated Water (External)
Crane/Hoist (Refueling Platform and	Carbon Steel	Air - Indoor, Uncontrolled (
CRB and Defective Fuel Racks (In	Stainless Steel	Treated Water (External)
Special Defective Fuel Storage Cor	Aluminum Alloy	Treated Water (External)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Outdoor (External)
Heat Exchanger Components (Chill	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (Economizer)	Carbon Steel	Air/Gas - Dry (Internal)
Tanks (Economizer)	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Sodium Pentaborate Solut
Valve Body	Stainless Steel	Treated Water (Internal)
Crane/Hoist (Rail System)	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Pump Casing	Copper Alloy with less th	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Expansion Joints	Stainless Steel	Air - Indoor, Uncontrolled (
Expansion Joints	Stainless Steel	Air/Gas - Wetted (Internal)
Expansion Joints	Nickel Alloy	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Treated Water (External)
Bolting	Stainless Steel Bolting	Treated Water (External)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Chill	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Chill	Copper Alloy with less th	Air/Gas - Dry (External)
Heat Exchanger Components (Chill	Carbon Steel	Air/Gas - Dry (External)
Fire Barriers (Doors)	Carbon Steel	Air - Outdoor (External)
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Closed Cycle Cooling Wat
Ducting and Components	Galvanized Steel	Air - Indoor, Uncontrolled (
Ducting and Components	Galvanized Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Closed Cycle Cooling Wat
Valve Body	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Hoses	Elastomer	Air - Indoor, Uncontrolled (
Valve Body	Copper Alloy with less th	Air/Gas - Wetted (Internal)
Flow Device	Carbon Steel	Closed Cycle Cooling Wat
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Outdoor (External)
Electric Heaters (Housing)	Carbon Steel	Lubricating Oil (Internal)
Electric Heaters (Housing)	Carbon Steel	Closed Cycle Cooling Wat
Heat Exchanger Components (Air C	Carbon Steel	Closed Cycle Cooling Wat

Heat Exchanger Components (Air C	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Ductile Cast Iron	Waste Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Waste Water (Internal)
Piping, piping components, and pipi	Gray Cast Iron	Soil (External)
Piping, piping components, and pipi	Stainless Steel	Concrete
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Stainless Steel	Waste Water (Internal)
Piping, piping components, and pipi	Copper	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper Alloy with 15% Z	Closed Cycle Cooling Wat
Turbocharger Casing	Carbon Steel	Diesel Exhaust (Internal)
Flow Device	Glass	Treated Water (Internal)
Tanks (CECW Head Tanks)	Carbon Steel	Closed Cycle Cooling Wat
Heat Exchanger Components (RHR	Copper Alloy with less th	Raw Water (Internal)
Flow Device	Glass	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Ducting and Components	Carbon Steel	Air - Indoor, Uncontrolled (
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Strainer (Grates and Screens)	Stainless Steel	Air - Indoor, Uncontrolled (
Tanks (Skimmer Surge Tanks)	Stainless Steel	Air - Indoor, Uncontrolled (
Pump Casing (Fuel Pool Cooling Pu	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Flow Device	Glass	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components ("A" F	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Rege	Carbon or Low Alloy Stee	Treated Water > 140°F (Ir
Heat Exchanger Components (Rege	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Cast Austenitic Stainless	Raw Water (Internal)
Valve Body	Stainless Steel	Raw Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Raw Water (Internal)
Piping, piping components, and pipi	Copper Alloy with less th	Lubricating Oil (Internal)
Piping, piping components, and pipi	Copper Alloy with less th	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Fire Hydrant	Gray Cast Iron	Raw Water (Internal)
Piping, piping components, and pipi	Ductile Cast Iron	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Aluminum	Raw Water (Internal)
Piping, piping components, and pipi	Gray Cast Iron	Soil (External)
Piping, piping components, and pipi	Carbon Steel	Fuel Oil (Internal)
Spray Nozzles	Stainless Steel	Air - Indoor, Uncontrolled (
Spray Nozzles	Copper Alloy with less th	Air - Indoor, Uncontrolled (

Tanks (CO2)	Carbon Steel	Air/Gas - Dry (Internal)
Valve Body	Gray Cast Iron	Raw Water (Internal)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Air - Outdoor (External)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (10-T402 Backup Fire Water	Carbon Steel	Air/Gas - Wetted (Internal)
Tanks (00-T530 Diesel Oil Day Tan	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Fuel Oil (Internal)
Valve Body	Carbon Steel	Fuel Oil (Internal)
Compressor	Gray Cast Iron	Air - Indoor, Uncontrolled (
Compressor	Gray Cast Iron	Air/Gas - Wetted (Internal)
Compressor	Gray Cast Iron	Air - Indoor, Uncontrolled (
Pump Casing (Condensate Backwa	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Closed Cycle Cooling Wat
Piping, piping components, and pipi	Copper Alloy with 15% Z	Treated Water (Internal)
Piping, piping components, and pipi	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Raw Water (Internal)
Heat Exchanger Components (Conc	Copper	Air/Gas - Wetted (External
Heat Exchanger Components (Reci	Copper Alloy	Air/Gas - Wetted (External
Heat Exchanger Components (RHR	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components (EDG	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (ECC	Copper Alloy with less th	Raw Water (Internal)
Heat Exchanger Components (ECC	Copper Alloy with less th	Raw Water (Internal)
Heat Exchanger Components (ECC	Copper Alloy with less th	Raw Water (Internal)
Heat Exchanger Components (RHR	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (MCR	Copper Alloy with less th	Raw Water (Internal)
Pump Casing	Carbon Steel	Air - Indoor, Uncontrolled (
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Heat Exchanger Components (RCIC	Copper Alloy with less th	Air/Gas - Wetted (External
Tanks	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Accumulator (1A, 1B, 1C, 2B)	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Insulation Material for Electrical Cab	Various Organic Polymer	Adverse Localized Environ
Conductor Insulation for Inaccessibl	Various Organic Polymer	Adverse Localized Environ
Fuse Holders (Not Part of Active Ec	Various Organic Polymer	Air - Indoor, Controlled or I
Metal Enclosed Bus: External Surfa	Steel	Air - Indoor, Uncontrolled c

Switchyard Bus and Connections	Aluminum, Stainless Steel	Air - Outdoor (External)
Electrical Equipment Subject to 10 kV	Various Polymeric and Metal	Adverse Localized Environment
Transmission Conductors	Aluminum, Steel	Air - Outdoor (External)
Metal Enclosed Bus: Bus/Connections	Various Metals Used for	Air - Indoor, Controlled or Uncontrolled
Metal Enclosed Bus: Insulation; Insulators	Porcelain, Various Organic	Air - Indoor, Controlled or Uncontrolled
High Voltage Insulators	Porcelain	Air - Outdoor (External)
High Voltage Insulators	Metal	Air - Outdoor (External)
Metal Enclosed Bus: Enclosure Assembly	Elastomers	Air - Indoor, Controlled or Uncontrolled
Cable Connections (Metallic Parts)	Various Metals Used for	Air - Indoor, Controlled or Uncontrolled
High Voltage Insulators	Metal	Air - Outdoor (External)
High Voltage Insulators	Cement	Air - Outdoor (External)
Metal Enclosed Bus: External Surfaces	Steel	Air - Indoor, Controlled (External)
High Voltage Insulators	Porcelain	Air - Outdoor (External)
Transmission Conductors	Aluminum, Steel	Air - Outdoor (External)
Transmission Connectors	Stainless Steel	Air - Outdoor (External)
Fuse Holders (Not Part of Active Equipment)	Various Metals Used for	Air - Indoor, Uncontrolled
High Voltage Insulators	Cement	Air - Outdoor (External)
Insulation Material for Electrical Cables	Various Organic Polymers	Adverse Localized Environment
Fuse Holders (Not Part of Active Equipment)	Various Metals Used for	Air - Indoor, Controlled or Uncontrolled
Heat Exchanger Components (RHR)	Stainless Steel	Treated Water (External)
Heat Exchanger Components (RHR)	Stainless Steel	Treated Water (External)
Piping, piping components, and piping	Copper Alloy with 15% Zinc	Air/Gas - Wetted (Internal)
Pump Casing (Core Spray)	Ductile Cast Iron	Treated Water (External)
Pump Casing (Core Spray)	Ductile Cast Iron	Treated Water (Internal)
Piping, piping components, and piping	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and piping	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Piping, piping components, and piping	Gray Cast Iron	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and piping	Carbon Steel	Steam (Internal)
Piping, piping components, and piping	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and piping	Stainless Steel	Lubricating Oil (Internal)

Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Sensor Element (H2/O2 Elements)	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Turbine Casings	Carbon Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Turbine Casings	Carbon Steel	Air/Gas - Wetted (Internal)
Turbine Casings	Carbon Steel	Air - Indoor, Uncontrolled (
Sparger	Carbon Steel	Treated Water (External)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (External)
Pump Casing (Barometric Condens	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Strainer (Element)	Stainless Steel	Treated Water (External)
Strainer (Element)	Carbon Steel	Lubricating Oil (External)
Strainer (Element)	Carbon Steel	Lubricating Oil (Internal)
Strainer (Element)	Carbon Steel	Lubricating Oil (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Lubricating Oil (Internal)
Flow Device	Glass	Treated Water (Internal)
Flow Device	Stainless Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (External)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Treated Water (Internal)
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (
Heat Exchanger Components (RHR	Stainless Steel	Lubricating Oil (External)
Bolting	Carbon and Low Alloy St	Treated Water (External)
Strainer (Element)	Stainless Steel	Treated Water (External)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Pump Casing (HPCI Pump)	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Pump Casing (Gas Analyzers)	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)

Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body (Gas Analyzers)	Stainless Steel	Air/Gas - Dry (Internal)
Valve Body (Gas Analyzers)	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Pump Casing	Ductile Cast Iron	Treated Water (Internal)
Pump Casing	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (External)
Piping, piping components, and pipi	Stainless Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Tank (Vacuum Tank)	Carbon Steel	Treated Water (Internal)
Tank (Vacuum Tank)	Carbon Steel	Air - Indoor, Uncontrolled (
Spray Nozzles	Copper Alloy with 15% Z	Air/Gas - Wetted (Internal)
Bolting	Carbon and Low Alloy St	Treated Water (External)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Strainer (Element)	Carbon Steel	Lubricating Oil (External)
Strainer (Element)	Stainless Steel	Treated Water (External)
Sparger	Carbon Steel	Treated Water (External)
Ducting and Components	Elastomer	Air/Gas - Wetted (Internal)
Ducting and Components	Carbon Steel	Air - Indoor, Uncontrolled (
Sparger	Carbon Steel	Treated Water (Internal)
Sparger	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Lube	Copper Alloy with less th	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (External)
Tanks (Turbine Lube Oil Reservoirs	Gray Cast Iron	Lubricating Oil (Internal)
Tank (Vacuum Tank)	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Lubricating Oil (Internal)
Flow Device	Glass	Treated Water (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Strainer (Element)	Carbon Steel	Lubricating Oil (Internal)
Strainer (Element)	Carbon Steel	Lubricating Oil (External)
Strainer (Element)	Stainless Steel	Treated Water (External)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Barometric condense	Gray Cast Iron	Treated Water (Internal)
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Heat Exchanger Components (RHR	Stainless Steel	Lubricating Oil (External)
Heat Exchanger Components (RHR	Copper Alloy with less th	Lubricating Oil (External)
Heat Exchanger Components (Lube	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Pump Casing (Suppression Pool Cl	Gray Cast Iron	Treated Water (Internal)
Pump Casing (Suppression Pool Cl	Gray Cast Iron	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)

Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Carbon Steel	Treated Water (External)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Waste Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Waste Water (Internal)
Pump Casing (Recombiner Blower (	Carbon Steel	Air/Gas - Wetted (Internal)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing	Ductile Cast Iron	Treated Water (External)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Zinc	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Sparger	Carbon Steel	Treated Water (External)
Ducting and Components	Elastomer	Air - Indoor, Uncontrolled (
Ducting and Components	Aluminum	Air - Indoor, Uncontrolled (
Ducting and Components	Galvanized Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Lube	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (External)
Pump Casing (Barometric Condens	Carbon Steel	Treated Water (Internal)
Pump Casing (Turbine driven lube c	Carbon Steel	Lubricating Oil (Internal)
Bolting	Stainless Steel Bolting	Treated Water (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Treated Water (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Strainer (Element)	Carbon Steel	Lubricating Oil (External)
Strainer (Element)	Stainless Steel	Treated Water (External)
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Glass	Lubricating Oil (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Barometric condense	Gray Cast Iron	Treated Water (Internal)
Flow Device	Stainless Steel	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (External)
Heat Exchanger Components (RHR	Stainless Steel	Lubricating Oil (External)
Heat Exchanger Components (RHR	Copper Alloy with less th	Lubricating Oil (External)
Heat Exchanger Components (RHR	Stainless Steel	Lubricating Oil (External)
Heat Exchanger Components (RHR	Copper Alloy with less th	Lubricating Oil (External)

Heat Exchanger Components (Lube	Copper Alloy with less th	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (External)
Pump Casing (Suppression Pool Cl	Gray Cast Iron	Air - Indoor, Uncontrolled (
Strainer (Element)	Stainless Steel	Treated Water (External)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Pump Casing (Vacuum tank conder	Gray Cast Iron	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Pump Casing	Ductile Cast Iron	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Pump Casing (Core Spray)	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Polymer	Lubricating Oil (Internal)
Flow Device	Stainless Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Tank (Turbine Lube Oil Reservoirs)	Gray Cast Iron	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (Internal)
Pump Casing (RCIC Pump)	Carbon Steel	Treated Water (Internal)
Tanks (Turbine Lube Oil Reservoirs)	Gray Cast Iron	Air - Indoor, Uncontrolled (
Tanks (Turbine Lube Oil Reservoirs)	Gray Cast Iron	Lubricating Oil (Internal)
Tank (Vacuum Tank)	Carbon Steel	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Treated Water (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Lubricating Oil (Internal)
Bolting	Carbon and Low Alloy St	Treated Water (External)
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Stainless Steel	Treated Water (Internal)
Flow Device	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (External)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Treated Water (Internal)
Heat Exchanger Components (RHR	Stainless Steel	Lubricating Oil (External)

Heat Exchanger Components (Lube Oil)	Copper Alloy with less than 10% Nickel	Treated Water (Internal)
Heat Exchanger Components (Lube Oil)	Copper Alloy with less than 10% Nickel	Treated Water (Internal)
Heat Exchanger Components (Lube Oil)	Copper Alloy with less than 10% Nickel	Lubricating Oil (External)
Bolting	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled (Internal)
Bolting	Stainless Steel Bolting	Treated Water (External)
Pump Casing (Safeguard Fill)	Cast Austenitic Stainless Steel	Treated Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (External)
Pump Casing (HPCI Pump)	Carbon Steel	Treated Water (Internal)
Pump Casing (Aux Lube Oil)	Gray Cast Iron	Lubricating Oil (Internal)
Pump Casing (Vacuum tank condenser)	Gray Cast Iron	Treated Water (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Valve Body (Gas Analyzers)	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (RHR)	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (RHR)	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Air/Gas - Wetted (Internal)
Pump Casing (Core Spray)	Ductile Cast Iron	Treated Water (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Flow Device	Glass	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Tank (Turbine Lube Oil Reservoirs)	Gray Cast Iron	Lubricating Oil (Internal)
Piping, piping components, and pipe fittings	Gray Cast Iron	Air/Gas - Wetted (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Treated Water (External)
Valve Body	Carbon Steel	Treated Water (External)
Piping, piping components, and pipe fittings	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Lubricating Oil (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Lubricating Oil (Internal)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (External)
Sparger	Carbon Steel	Treated Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Ducting and Components	Aluminum	Air/Gas - Wetted (Internal)
Ducting and Components	Stainless Steel	Air/Gas - Wetted (Internal)
Bolting	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled (Internal)

Heat Exchanger Components (Lube Oil)	Copper Alloy with 15% Zinc	Air - Indoor, Uncontrolled (Internal)
Heat Exchanger Components (Lube Oil)	Copper Alloy with 15% Zinc	Lubricating Oil (Internal)
Heat Exchanger Components (Lube Oil)	Copper Alloy with less than 15% Zinc	Treated Water (Internal)
Heat Exchanger Components (Lube Oil)	Copper Alloy with 15% Zinc	Treated Water (Internal)
Pump Casing (Turbine driven lube oil)	Carbon Steel	Lubricating Oil (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Strainer (Element)	Carbon Steel	Lubricating Oil (Internal)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (Internal)
Flow Device	Stainless Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Lube Oil)	Copper Alloy with 15% Zinc	Treated Water (Internal)
Flexible Connection	Elastomer	Air - Indoor, Uncontrolled (Internal)
Heat Exchanger Components (RHR)	Copper Alloy with less than 15% Zinc	Lubricating Oil (External)
Heat Exchanger Components (RHR)	Stainless Steel	Lubricating Oil (External)
Bolting	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled (Internal)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Pump Casing (Booster Pump)	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Treated Water (External)
Piping, piping components, and pipe fittings	Glass	Air/Gas - Dry (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Waste Water (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipe fittings	Glass	Air/Gas - Wetted (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Waste Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (External)
Piping, piping components, and pipe fittings	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Heat Exchanger Components (RHR)	Stainless Steel	Treated Water (External)
Piping, piping components, and pipe fittings	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Valve Body	Copper Alloy with 15% Zinc	Air - Indoor, Uncontrolled (Internal)
Valve Body	Copper Alloy with 15% Zinc	Air/Gas - Wetted (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and pipe fittings	Carbon Steel	Treated Water (External)
Piping, piping components, and pipe fittings	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipe fittings	Zinc	Air - Indoor, Uncontrolled (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Flow Device	Stainless Steel	Treated Water (Internal)
Flow Device	Stainless Steel	Treated Water (Internal)
Tank (Turbine Lube Oil Reservoirs)	Gray Cast Iron	Air - Indoor, Uncontrolled (Internal)
Piping, piping components, and pipe fittings	Stainless Steel	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Treated Water (External)
Flow Device (Gas Analyzers - Orifices)	Stainless Steel	Air/Gas - Wetted (Internal)

Valve Body	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (External)
Strainer (Element)	Stainless Steel	Treated Water (External)
Strainer (Element)	Carbon Steel	Lubricating Oil (External)
Strainer (Element)	Carbon Steel	Lubricating Oil (Internal)
Strainer (Element)	Carbon Steel	Lubricating Oil (Internal)
Ducting and Components	Carbon Steel	Air/Gas - Wetted (Internal)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Ducting and Components	Galvanized Steel	Air/Gas - Wetted (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Lube	Copper Alloy with less th	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (External)
Heat Exchanger Components (Lube	Copper Alloy with less th	Treated Water (Internal)
Pump Casing (Barometric Condens	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Treated Water (External)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Treated Water (External)
Strainer (Element)	Stainless Steel	Treated Water (External)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Pump Casing (Barometric condense	Gray Cast Iron	Treated Water (Internal)
Pump Casing (Barometric condense	Gray Cast Iron	Air - Indoor, Uncontrolled (
Flow Device	Glass	Treated Water (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (External)
Heat Exchanger Components (RHR	Copper Alloy with less th	Lubricating Oil (External)
Bolting	Stainless Steel Bolting	Treated Water (External)
Pump Casing (Safeguard Fill)	Cast Austenitic Stainless	Air - Indoor, Uncontrolled (
Pump Casing (Turbine driven lube c	Gray Cast Iron	Air - Indoor, Uncontrolled (
Pump Casing (Turbine driven lube c	Gray Cast Iron	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Dry (Internal)
Valve Body	Carbon Steel	Waste Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (External)
Heat Exchanger Components (RHR	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Pump Casing (Core Spray)	Ductile Cast Iron	Treated Water (External)

Pump Casing (Core Spray)	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Zinc	Lubricating Oil (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Flow Device (Gas Analyzers - Orific	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Strainer (Element)	Carbon Steel	Lubricating Oil (Internal)
Tank (Vacuum Tank)	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Glass	Lubricating Oil (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Treated Water (External)
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Treated Water (External)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Lubricating Oil (Internal)
Flow Device	Stainless Steel	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Treated Water (Internal)
Flexible Connection	Elastomer	Air/Gas - Wetted (Internal)
Heat Exchanger Components (RHR	Copper Alloy with less th	Lubricating Oil (External)
Pump Casing (Suppression Pool Cl	Gray Cast Iron	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Treated Water (External)
Pump Casing (Booster Pump)	Carbon Steel	Treated Water (Internal)
Pump Casing (Aux Lube Oil)	Gray Cast Iron	Lubricating Oil (Internal)
Pump Casing (Vacuum tank conder	Gray Cast Iron	Treated Water (Internal)
Valve Body	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Pump Casing (Gas Analyzers)	Stainless Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Air/Gas - Wetted (Internal)
Pump Casing (Recombiner Blower	Carbon Steel	Air - Indoor, Uncontrolled (
Strainer (Element)	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)

Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Pump Casing	Carbon Steel	Treated Water (Internal)
Pump Casing	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water (Internal)
Heat Exchanger Components (RHR	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Core Spray)	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Tank (Vacuum Tank)	Carbon Steel	Treated Water (Internal)
Spray Nozzles	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Treated Water (External)
Flow Device (Gas Analyzers - Orific	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (External)
Valve Body	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Strainer (Element)	Carbon Steel	Lubricating Oil (External)
Strainer (Element)	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Tank (Vacuum Tank)	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (External)
Turbine Casings	Carbon Steel	Air - Indoor, Uncontrolled (
Sparger	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with less th	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Treated Water (Internal)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Lubricating Oil (External)
Pump Casing (RCIC Pump)	Carbon Steel	Air - Indoor, Uncontrolled (
Tank (Vacuum Tank)	Carbon Steel	Air/Gas - Wetted (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (

Strainer (Element)	Carbon Steel	Lubricating Oil (External)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Lube	Copper Alloy with less th	Treated Water (Internal)
Pump Casing (Safeguard Fill)	Cast Austenitic Stainless	Treated Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (External)
Pump Casing (Booster Pump)	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (HPCI Pump)	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Aux Lube Oil)	Gray Cast Iron	Air - Indoor, Uncontrolled (
Pump Casing (Vacuum tank conder	Gray Cast Iron	Treated Water (Internal)
Pump Casing (Turbine driven lube c	Gray Cast Iron	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Waste Water (Internal)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Pump Casing	Ductile Cast Iron	Treated Water (External)
Valve Body	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Copper	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Polymer	Air - Indoor, Uncontrolled (
Flow Device	Stainless Steel	Treated Water (Internal)
Flow Device	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Bolting	Stainless Steel Bolting	Treated Water (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Sensor Element (H2/O2 Elements)	Stainless Steel	Air/Gas - Wetted (Internal)
Flow Device (Gas Analyzers - Orific	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (External)
Strainer (Element)	Stainless Steel	Treated Water (Internal)
Strainer (Element)	Carbon Steel	Lubricating Oil (External)
Ducting and Components	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Lube	Copper Alloy with less th	Treated Water (Internal)
Sparger	Carbon Steel	Treated Water (External)
Heat Exchanger Components (Lube	Copper Alloy with 15% Z	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Lube	Copper Alloy with less th	Lubricating Oil (External)
Pump Casing (RCIC Pump)	Carbon Steel	Treated Water (Internal)
Pump Casing (Turbine driven lube c	Carbon Steel	Air - Indoor, Uncontrolled (
Nozzle (N8 Jet Pump Instrumentatio	Carbon or Low Alloy Stee	Air - Indoor, Uncontrolled (
Nozzle (N9 CRD Return Line - Cap	Low Alloy Steel	Reactor Coolant
Heat Exchanger Components (Reci	Stainless Steel	Treated Water > 140°F (Ir

Core Shroud and Core Plate: Core	Stainless Steel	Reactor Coolant and Neut
Top Guide	Stainless Steel	Reactor Coolant and Neut
Fuel Supports and Control Rod Drive	Cast Austenitic Stainless	Reactor Coolant and Neut
Steam Dryers	Stainless Steel	Reactor Coolant
Core Spray Lines and Spargers: Co	Cast Austenitic Stainless	Reactor Coolant and Neut
Reactor Vessel Internals Componer	Stainless Steel	Reactor Coolant and Neut
Jet Pump Assemblies: Thermal slee	X-750 alloy	Reactor Coolant and Neut
Jet Pump Assemblies: Thermal slee	X-750 alloy	Reactor Coolant and Neut
Flow Device (Main Steam Flow Ele	Carbon Steel	Steam (Internal)
Nozzle (N2 Recirculation Inlet)	Stainless Steel	Reactor Coolant
Nozzle (N2 Recirculation Inlet)	Carbon or Low Alloy Steel	Reactor Coolant
CRD Housing Penetration	Stainless Steel	Reactor Coolant
CRD Housing Penetration	Nickel Alloy	Reactor Coolant
CRD Housing Penetration	Nickel Alloy	Air - Indoor, Uncontrolled (
Core Shroud and Core Plate: LPCI	Stainless Steel	Reactor Coolant and Neut
Core Shroud and Core Plate: LPCI	Stainless Steel	Reactor Coolant and Neut
Reactor Vessel (Bottom Head, Wel	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N10 Core Differential Press	Stainless Steel	Reactor Coolant
Nozzle (N10 Core Differential Press	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N10	Stainless Steel	Reactor Coolant
Instrumentation: Intermediate range	Stainless Steel	Reactor Coolant and Neut
Core Shroud and Core Plate: Acces	Nickel Alloy	Reactor Coolant
Class 1 Piping, Fittings and Branch	Stainless Steel	Reactor Coolant
Class 1 Piping, Fittings and Branch	Stainless Steel	Reactor Coolant
Class 1 Piping, Fittings and Branch	Stainless Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Stainless Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Stainless Steel	Reactor Coolant
Nozzle (N17 LPCI)	Nickel Alloy	Reactor Coolant and Neut
Nozzle (N17 LPCI)	Nickel Alloy	Reactor Coolant and Neut
Nozzle Safe Ends and Welds (N17	Nickel Alloy	Reactor Coolant and Neut
Nozzle Safe Ends and Welds (N8 J	Nickel Alloy	Reactor Coolant
Nozzle (N9 CRD Return Line - Cap	Stainless Steel	Air - Indoor, Uncontrolled (
Steam Dryers	Stainless Steel	Reactor Coolant
Steam Dryers	Stainless Steel	Reactor Coolant
Core Spray Lines and Spargers: Co	Stainless Steel	Reactor Coolant and Neut
Core Spray Lines and Spargers: Co	Stainless Steel	Reactor Coolant and Neut
Reactor Vessel Internals Componer	Cast Austenitic Stainless	Reactor Coolant
Jet Pump Assemblies: Thermal slee	X-750 alloy	Reactor Coolant and Neut
Jet Pump Assemblies: Thermal slee	Stainless Steel	Reactor Coolant and Neut
Jet Pump Assemblies: Thermal slee	Stainless Steel	Reactor Coolant and Neut
Jet Pump Assemblies: Thermal slee	Cast Austenitic Stainless	Reactor Coolant and Neut
Jet Pump Assemblies: Thermal slee	Cast Austenitic Stainless	Reactor Coolant and Neut
Jet Pump Assemblies: Thermal slee	Cast Austenitic Stainless	Reactor Coolant and Neut
Nozzle (N2 Recirculation Inlet)	Carbon or Low Alloy Steel	Reactor Coolant
CRD Housing Penetration	Nickel Alloy	Reactor Coolant
Reactor Vessel External Attachmen	Carbon Steel	Air - Indoor, Uncontrolled (
Nozzle (N10 Core Differential Press	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N10	Stainless Steel	Reactor Coolant
Nozzle (N13 Seal Leak Detection)	Nickel Alloy	Reactor Coolant
Incore Monitor Penetration	Nickel Alloy	Reactor Coolant
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (

Nozzle (N6, N7 Head Spray, Spare,	Low Alloy Steel	Reactor Coolant
Instrumentation: Intermediate range	Stainless Steel	Reactor Coolant and Neut
Core Shroud and Core Plate: Acces	Stainless Steel	Reactor Coolant
Core Shroud and Core Plate: Acces	Stainless Steel	Reactor Coolant
Class 1 Piping, Fittings and Branch	Carbon Steel	Reactor Coolant
Reactor Vessel (Shell and Welds)	Carbon or Low Alloy Steel	Reactor Coolant and Neut
Reactor Vessel (Shell and Welds)	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
Nozzle Safe Ends and Welds (N2 R	Stainless Steel	Air - Indoor, Uncontrolled (
Bolting (Head Spray, CRD Housing,	Carbon and Low Alloy St	Air with Reactor Coolant L
Reactor Vessel Internal Attachment	Stainless Steel	Reactor Coolant
Reactor Vessel Internal Attachment	Nickel Alloy	Reactor Coolant
Reactor Vessel Internal Attachment	Nickel Alloy	Reactor Coolant
Core Shroud (including repairs) and	Nickel Alloy	Reactor Coolant and Neut
Core Shroud (including repairs) and	Nickel Alloy	Reactor Coolant and Neut
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Jet Pump Assemblies: Jet pump sei	Stainless Steel	Reactor Coolant and Neut
Jet Pump Assemblies: Jet pump sei	Stainless Steel	Reactor Coolant and Neut
Nozzle Safe Ends and Welds (N4 F	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N4 F	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
RPV Flange Leak Detection Line	Stainless Steel	Reactor Coolant
Reactor Vessel (Top Head, Flanges	Carbon or Low Alloy Steel	Reactor Coolant
Reactor Vessel (Top Head, Flanges	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N1 Recirculation Outlet)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N3 Steam Outlet)	Low Alloy Steel	Reactor Coolant
Nozzle (N5 Core Spray)	Stainless Steel	Reactor Coolant
Nozzle (N5 Core Spray)	Stainless Steel	Reactor Coolant
Nozzle (N5 Core Spray)	Nickel Alloy	Reactor Coolant
Nozzle (N4 Feedwater)	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N5 C	Nickel Alloy	Air - Indoor, Uncontrolled (
Nozzle (N17 LPCI)	Stainless Steel	Reactor Coolant and Neut
Nozzle Safe Ends and Welds (N17	Nickel Alloy	Reactor Coolant and Neut
Nozzle (N16 Instrumentation)	Nickel Alloy	Reactor Coolant and Neut
Nozzle (N16 Instrumentation)	Nickel Alloy	Reactor Coolant and Neut
Nozzle (N11 Instrumentation)	Nickel Alloy	Reactor Coolant
Nozzle (N11 Instrumentation)	Nickel Alloy	Air - Indoor, Uncontrolled (
Nozzle (N9 CRD Return Line - Capr	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N9 CRD Return Line - Capr	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N9 CRD Return Line - Capr	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N9 C	Nickel Alloy	Reactor Coolant
Heat Exchanger Components (Reci	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Reci	Stainless Steel	Closed Cycle Cooling Wat
Nozzle (N12 Instrumentation)	Nickel Alloy	Air - Indoor, Uncontrolled (
Nozzle (N12 Instrumentation)	Nickel Alloy	Reactor Coolant
Core Shroud and Core Plate: Core	Stainless Steel	Reactor Coolant and Neut
Core Shroud and Core Plate: Core	Stainless Steel	Reactor Coolant and Neut
Fuel Supports and Control Rod Driv	Cast Austenitic Stainless	Reactor Coolant and Neut
Steam Dryers	Stainless Steel	Reactor Coolant
Core Spray Lines and Spargers: Co	Stainless Steel	Reactor Coolant and Neut

Jet Pump Assemblies: Thermal sleeve	X-750 alloy	Reactor Coolant and Neut
Nozzle (N15 Drain)	Low Alloy Steel	Reactor Coolant
Flow Device (Instrumentation Flow)	Stainless Steel	Air - Indoor, Uncontrolled (
Flow Device (Main Steam Flow Ele)	Cast Austenitic Stainless	Steam (Internal)
Nozzle (N2 Recirculation Inlet)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N2 Recirculation Inlet)	Carbon or Low Alloy Steel	Reactor Coolant
CRD Housing Penetration	Stainless Steel	Reactor Coolant
CRD Housing Penetration	Stainless Steel	Reactor Coolant
Core Shroud and Core Plate: LPCI	X-750 alloy	Reactor Coolant and Neut
Core Shroud and Core Plate: LPCI	Cast Austenitic Stainless	Reactor Coolant and Neut
Core Shroud and Core Plate: LPCI	Cast Austenitic Stainless	Reactor Coolant and Neut
Core Shroud and Core Plate: LPCI	Cast Austenitic Stainless	Reactor Coolant and Neut
Reactor Vessel (Bottom Head, Weld)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N10 Core Differential Press)	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N10)	Stainless Steel	Reactor Coolant
Nozzle (N13 Seal Leak Detection)	Nickel Alloy	Air - Indoor, Uncontrolled (
Nozzle (N13 Seal Leak Detection)	Nickel Alloy	Reactor Coolant
Incore Monitor Penetration	Stainless Steel	Reactor Coolant
Incore Monitor Penetration	Stainless Steel	Reactor Coolant
Incore Monitor Penetration	Nickel Alloy	Reactor Coolant
Bolting (Closure Studs - RPV)	High Strength Low Alloy	Air with Reactor Coolant L
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Nozzle (N6, N7 Head Spray, Spare,	Low Alloy Steel	Air - Indoor, Uncontrolled (
Instrumentation: Intermediate range	Stainless Steel	Reactor Coolant and Neut
Instrumentation: Intermediate range	Stainless Steel	Reactor Coolant and Neut
Core Shroud and Core Plate: Acces	Stainless Steel	Reactor Coolant
Class 1 Piping, Fittings and Branch	Carbon Steel	Air - Indoor, Uncontrolled (
Class 1 Piping, Fittings and Branch	Carbon Steel	Reactor Coolant
Class 1 Piping, Fittings and Branch	Stainless Steel	Reactor Coolant
Reactor Vessel (Shell and Welds)	Carbon or Low Alloy Steel	Reactor Coolant and Neut
Reactor Vessel (Shell and Welds)	Carbon or Low Alloy Steel	Reactor Coolant and Neut
Reactor Vessel Internal Attachment	Stainless Steel	Reactor Coolant and Neut
Reactor Vessel Internal Attachment	Stainless Steel	Reactor Coolant and Neut
Reactor Vessel Internal Attachment	Stainless Steel	Reactor Coolant
Core Shroud (including repairs) and	Nickel Alloy	Reactor Coolant and Neut
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Pump Casing (Recirculation Pump)	Cast Austenitic Stainless	Reactor Coolant
Nozzle Safe Ends and Welds (N4 F	Carbon or Low Alloy Steel	Reactor Coolant
RPV Flange Leak Detection Line	Carbon Steel	Reactor Coolant
RPV Flange Leak Detection Line	Carbon Steel	Reactor Coolant
Reactor Vessel (Top Head, Flanges)	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
Nozzle (N1 Recirculation Outlet)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N1 Recirculation Outlet)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N1 R	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N1 R	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N1 R	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N1 R	Stainless Steel	Reactor Coolant
Nozzle (N5 Core Spray)	Carbon or Low Alloy Steel	Reactor Coolant

Nozzle (N8 Jet Pump Instrumentation)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N8 Jet Pump Instrumentation)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N8 Jet Pump)	Stainless Steel	Reactor Coolant
Nozzle (N9 CRD Return Line - Cap)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N12 Instrumentation)	Nickel Alloy	Reactor Coolant
Core Shroud (including repairs) and Core Plate	Stainless Steel	Reactor Coolant and Neutrons
Core Shroud and Core Plate: Core Plate	Stainless Steel	Reactor Coolant and Neutrons
Steam Dryers	Stainless Steel	Reactor Coolant
Core Spray Lines and Spargers: Core Spray Lines	Cast Austenitic Stainless Steel	Reactor Coolant and Neutrons
Jet Pump Assemblies: Thermal sleeves	X-750 alloy	Reactor Coolant and Neutrons
Jet Pump Assemblies: Thermal sleeves	Stainless Steel	Reactor Coolant and Neutrons
Flow Device (Instrumentation Flow Element)	Stainless Steel	Treated Water (Internal)
Flow Device (Main Steam Flow Element)	Cast Austenitic Stainless Steel	Steam (Internal)
Flow Device (Main Steam Flow Element)	Carbon Steel	Steam (Internal)
Nozzle (N2 Recirculation Inlet)	Nickel Alloy	Reactor Coolant
Nozzle (N2 Recirculation Inlet)	Nickel Alloy	Reactor Coolant
Nozzle (N2 Recirculation Inlet)	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (Internal)
CRD Housing Penetration	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Core Shroud and Core Plate: LPCI	X-750 alloy	Reactor Coolant and Neutrons
Core Shroud and Core Plate: LPCI	X-750 alloy	Reactor Coolant and Neutrons
Core Shroud and Core Plate: LPCI	Cast Austenitic Stainless Steel	Reactor Coolant and Neutrons
Core Shroud and Core Plate: LPCI	Stainless Steel	Reactor Coolant and Neutrons
Reactor Vessel External Attachment	Carbon Steel	Air - Indoor, Uncontrolled (Internal)
Nozzle (N10 Core Differential Pressure)	Nickel Alloy	Reactor Coolant
Nozzle (N10 Core Differential Pressure)	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N10 Core Differential Pressure)	Stainless Steel	Air - Indoor, Uncontrolled (Internal)
Nozzle (N13 Seal Leak Detection)	Nickel Alloy	Reactor Coolant
Incore Monitor Penetration	Stainless Steel	Reactor Coolant
Bolting	Carbon and Low Alloy Steel	Air with Reactor Coolant Leakage
Bolting	Carbon and Low Alloy Steel	Air with Reactor Coolant Leakage
Bolting	Carbon and Low Alloy Steel	Air with Reactor Coolant Leakage
Core Shroud and Core Plate: Access	Nickel Alloy	Reactor Coolant
Class 1 Piping, Fittings and Branch Connections	Carbon Steel	Reactor Coolant
Bolting (Head Spray, CRD Housing, Reactor Vessel)	Carbon and Low Alloy Steel	Air with Reactor Coolant Leakage
Reactor Vessel Internal Attachment	Stainless Steel	Reactor Coolant and Neutrons
Reactor Vessel Internal Attachment	Stainless Steel	Reactor Coolant
Jet Pump Assemblies: Castings	Cast Austenitic Stainless Steel	Reactor Coolant and Neutrons
Piping, piping components, and pipe supports	Nickel Alloy	Reactor Coolant
Piping, piping components, and pipe supports	Nickel Alloy	Reactor Coolant
Piping, piping components, and pipe supports	Nickel Alloy	Reactor Coolant
Piping, piping components, and pipe supports	Stainless Steel	Steam (Internal)
Piping, piping components, and pipe supports	Stainless Steel	Steam (Internal)
Piping, piping components, and pipe supports	Stainless Steel	Reactor Coolant
Piping, piping components, and pipe supports	Stainless Steel	Treated Water > 140°F (Internal)
Piping, piping components, and pipe supports	Carbon Steel	Steam (Internal)
Valve Body	Cast Austenitic Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N4 Flange)	Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N4 Flange)	Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N4 Flange)	Low Alloy Steel	Air - Indoor, Uncontrolled (Internal)
Nozzle Safe Ends and Welds (N4 Flange)	Carbon or Low Alloy Steel	Reactor Coolant
RPV Flange Leak Detection Line	Stainless Steel	Reactor Coolant

Nozzle Safe Ends and Welds (N1 R	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N1 R	Stainless Steel	Reactor Coolant
Nozzle (N5 Core Spray)	Nickel Alloy	Reactor Coolant
Nozzle (N5 Core Spray)	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N5 C	Nickel Alloy	Reactor Coolant
Nozzle (N17 LPCI)	Carbon or Low Alloy Steel	Reactor Coolant and Neut
Nozzle Safe Ends and Welds (N17	Nickel Alloy	Reactor Coolant and Neut
Nozzle Safe Ends and Welds (N8 J	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N8 J	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N8 J	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N8 J	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N8 J	Stainless Steel	Air - Indoor, Uncontrolled (
Nozzle (N9 CRD Return Line - Cap	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N5 Core Spray)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N5 C	Nickel Alloy	Reactor Coolant
Nozzle (N17 LPCI)	Nickel Alloy	Reactor Coolant and Neut
Nozzle (N17 LPCI)	Carbon or Low Alloy Steel	Reactor Coolant and Neut
Nozzle (N17 LPCI)	Carbon or Low Alloy Steel	Reactor Coolant and Neut
Nozzle (N17 LPCI)	Carbon or Low Alloy Steel	Reactor Coolant and Neut
Nozzle Safe Ends and Welds (N17	Nickel Alloy	Air - Indoor, Uncontrolled (
Nozzle Safe Ends and Welds (N17	Nickel Alloy	Reactor Coolant and Neut
Nozzle (N11 Instrumentation)	Nickel Alloy	Reactor Coolant
Nozzle (N8 Jet Pump Instrumentation)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N9 CRD Return Line - Cap	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
Nozzle Safe Ends and Welds (N9 C	Nickel Alloy	Reactor Coolant
Nozzle (N12 Instrumentation)	Nickel Alloy	Reactor Coolant
Core Shroud and Core Plate: Core	Stainless Steel	Reactor Coolant and Neut
Top Guide	Stainless Steel	Reactor Coolant and Neut
Fuel Supports and Control Rod Driv	Cast Austenitic Stainless	Reactor Coolant and Neut
Core Spray Lines and Spargers: Co	Stainless Steel	Reactor Coolant and Neut
Core Spray Lines and Spargers: Co	Cast Austenitic Stainless	Reactor Coolant and Neut
Reactor Vessel Internals Componer	Cast Austenitic Stainless	Reactor Coolant
Jet Pump Assemblies: Thermal slee	Cast Austenitic Stainless	Reactor Coolant and Neut
Nozzle (N15 Drain)	Low Alloy Steel	Reactor Coolant
Flow Device (Main Steam Flow Ele	Cast Austenitic Stainless	Steam (Internal)
Flow Device (Main Steam Flow Ele	Cast Austenitic Stainless	Steam (Internal)
CRD Housing Penetration	Stainless Steel	Reactor Coolant
CRD Housing Penetration	Nickel Alloy	Reactor Coolant
Reactor Vessel (Bottom Head, Wel	Carbon or Low Alloy Steel	Reactor Coolant
Reactor Vessel (Bottom Head, Wel	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
Nozzle (N10 Core Differential Press	Stainless Steel	Air - Indoor, Uncontrolled (
Nozzle (N10 Core Differential Press	Stainless Steel	Reactor Coolant
Nozzle (N10 Core Differential Press	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N10	Stainless Steel	Reactor Coolant
Incore Monitor Penetration	Stainless Steel	Reactor Coolant
Incore Monitor Penetration	Stainless Steel	Reactor Coolant
Incore Monitor Penetration	Nickel Alloy	Reactor Coolant
Bolting (Closure Studs - RPV)	High Strength Low Alloy	Air with Reactor Coolant L
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Core Shroud and Core Plate: Acces	Nickel Alloy	Reactor Coolant

Core Shroud and Core Plate: Access	Stainless Steel	Reactor Coolant
Class 1 Piping, Fittings and Branch	Carbon Steel	Reactor Coolant
Class 1 Piping, Fittings and Branch	Carbon Steel	Reactor Coolant
Class 1 Piping, Fittings and Branch	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N2 R	Stainless Steel	Reactor Coolant
Reactor Vessel Internal Attachment	Low Alloy Steel	Reactor Coolant
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Reactor Coolant
Piping, piping components, and pipi	Stainless Steel	Reactor Coolant
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Valve Body	Cast Austenitic Stainless	Reactor Coolant
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Pump Casing (Recirculation Pump)	Cast Austenitic Stainless	Reactor Coolant
Nozzle (N1 Recirculation Outlet)	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
Nozzle (N3 Steam Outlet)	Low Alloy Steel	Reactor Coolant
Nozzle (N5 Core Spray)	Stainless Steel	Reactor Coolant
Nozzle (N5 Core Spray)	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
Nozzle (N4 Feedwater)	Low Alloy Steel	Reactor Coolant
Nozzle (N17 LPCI)	Stainless Steel	Reactor Coolant and Neutr
Nozzle (N16 Instrumentation)	Nickel Alloy	Reactor Coolant and Neutr
Nozzle (N16 Instrumentation)	Nickel Alloy	Reactor Coolant and Neutr
Nozzle (N16 Instrumentation)	Nickel Alloy	Reactor Coolant and Neutr
Nozzle (N11 Instrumentation)	Nickel Alloy	Reactor Coolant
Nozzle (N8 Jet Pump Instrumentation)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N8 Jet Pump Instrumentation)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N3 S	Low Alloy Steel	Air - Indoor, Uncontrolled (
Nozzle (N5 Core Spray)	Nickel Alloy	Reactor Coolant
Nozzle (N5 Core Spray)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N5 C	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N5 C	Nickel Alloy	Reactor Coolant
Nozzle (N17 LPCI)	Stainless Steel	Reactor Coolant and Neutr
Nozzle (N17 LPCI)	Stainless Steel	Reactor Coolant and Neutr
Nozzle (N17 LPCI)	Nickel Alloy	Reactor Coolant and Neutr
Nozzle Safe Ends and Welds (N8 J	Stainless Steel	Reactor Coolant
Nozzle (N9 CRD Return Line - Cap	Low Alloy Steel	Reactor Coolant
Nozzle (N9 CRD Return Line - Cap	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N9 C	Nickel Alloy	Air - Indoor, Uncontrolled (
Core Shroud (including repairs) and	Stainless Steel	Reactor Coolant and Neutr
Core Shroud (including repairs) and	Stainless Steel	Reactor Coolant and Neutr
Top Guide	Stainless Steel	Reactor Coolant and Neutr
Top Guide	Stainless Steel	Reactor Coolant and Neutr
Top Guide	Stainless Steel	Reactor Coolant and Neutr
Fuel Supports and Control Rod Driv	Cast Austenitic Stainless	Reactor Coolant and Neutr
Core Spray Lines and Spargers: Co	Cast Austenitic Stainless	Reactor Coolant and Neutr
Core Spray Lines and Spargers: Co	Cast Austenitic Stainless	Reactor Coolant and Neutr
Reactor Vessel Internals Componer	Stainless Steel	Reactor Coolant and Neutr
Jet Pump Assemblies: Thermal slee	X-750 alloy	Reactor Coolant and Neutr
Jet Pump Assemblies: Thermal slee	X-750 alloy	Reactor Coolant and Neutr
Nozzle (N2 Recirculation Inlet)	Stainless Steel	Reactor Coolant

Nozzle (N2 Recirculation Inlet)	Stainless Steel	Reactor Coolant
Nozzle (N2 Recirculation Inlet)	Nickel Alloy	Reactor Coolant
CRD Housing Penetration	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N10	Stainless Steel	Reactor Coolant
Incore Monitor Penetration	Nickel Alloy	Reactor Coolant
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Instrumentation: Intermediate range	Stainless Steel	Air/Gas - Dry (Internal)
Core Shroud and Core Plate: Acces	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N2 R	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N2 R	Stainless Steel	Reactor Coolant
Reactor Vessel Internal Attachment	Stainless Steel	Reactor Coolant and Neutr
Reactor Vessel Internal Attachment	Nickel Alloy	Reactor Coolant
Reactor Vessel Internal Attachment	Nickel Alloy	Reactor Coolant
Core Shroud (including repairs) and	Nickel Alloy	Reactor Coolant and Neutr
Core Shroud (including repairs) and	Nickel Alloy	Reactor Coolant and Neutr
Jet Pump Assemblies: Castings	Cast Austenitic Stainless	Reactor Coolant and Neutr
Jet Pump Assemblies: Castings	Cast Austenitic Stainless	Reactor Coolant and Neutr
Jet Pump Assemblies: Castings	Cast Austenitic Stainless	Reactor Coolant and Neutr
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Reactor Coolant
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Carbon Steel	Treated Water (Internal)
Pump Casing (Recirculation Pump)	Cast Austenitic Stainless	Reactor Coolant
Jet Pump Assemblies: Jet pump sei	Stainless Steel	Reactor Coolant and Neutr
Jet Pump Assemblies: Jet pump sei	Stainless Steel	Reactor Coolant and Neutr
RPV Flange Leak Detection Line	Stainless Steel	Reactor Coolant
RPV Flange Leak Detection Line	Stainless Steel	Reactor Coolant
RPV Flange Leak Detection Line	Stainless Steel	Air - Indoor, Uncontrolled (
RPV Flange Leak Detection Line	Carbon Steel	Reactor Coolant
RPV Flange Leak Detection Line	Carbon Steel	Reactor Coolant
Reactor Vessel (Top Head, Flanges	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N3 Steam Outlet)	Low Alloy Steel	Air - Indoor, Uncontrolled (
Nozzle Safe Ends and Welds (N3 S	Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N3 S	Low Alloy Steel	Reactor Coolant
Nozzle (N5 Core Spray)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N1 R	Stainless Steel	Air - Indoor, Uncontrolled (
Nozzle (N3 Steam Outlet)	Low Alloy Steel	Reactor Coolant
Nozzle (N5 Core Spray)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Stainless Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N5 C	Nickel Alloy	Reactor Coolant
Nozzle (N17 LPCI)	Carbon or Low Alloy Steel	Reactor Coolant and Neutr
Nozzle (N17 LPCI)	Carbon or Low Alloy Steel	Air - Indoor, Uncontrolled (
Nozzle Safe Ends and Welds (N17	Nickel Alloy	Reactor Coolant and Neutr
Nozzle (N16 Instrumentation)	Nickel Alloy	Air - Indoor, Uncontrolled (
Nozzle Safe Ends and Welds (N8 J	Nickel Alloy	Reactor Coolant
Nozzle (N9 CRD Return Line - Cap	Low Alloy Steel	Air - Indoor, Uncontrolled (

Nozzle (N9 CRD Return Line - Cap)	Stainless Steel	Reactor Coolant
Nozzle (N9 CRD Return Line - Cap)	Stainless Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N9 C	Nickel Alloy	Reactor Coolant
Heat Exchanger Components (Reci	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components (Reci	Stainless Steel	Treated Water > 140°F (Ir
Nozzle (N12 Instrumentation)	Nickel Alloy	Reactor Coolant
Core Shroud (including repairs) and	Stainless Steel	Reactor Coolant and Neutr
Core Shroud and Core Plate: Core	Stainless Steel	Reactor Coolant and Neutr
Fuel Supports and Control Rod Driv	Cast Austenitic Stainless	Reactor Coolant and Neutr
Reactor Vessel Internals Componer	Stainless Steel	Reactor Coolant and Neutr
Reactor Vessel Internals Componer	Stainless Steel	Reactor Coolant and Neutr
Reactor Vessel Internals Componer	Cast Austenitic Stainless	Reactor Coolant
Reactor Vessel Internals Componer	Cast Austenitic Stainless	Reactor Coolant
Jet Pump Assemblies: Thermal slee	Stainless Steel	Reactor Coolant and Neutr
Jet Pump Assemblies: Thermal slee	Stainless Steel	Reactor Coolant and Neutr
Nozzle (N15 Drain)	Low Alloy Steel	Reactor Coolant
Nozzle (N15 Drain)	Low Alloy Steel	Air - Indoor, Uncontrolled (
Flow Device (Instrumentation Flow	Stainless Steel	Treated Water (Internal)
Nozzle (N2 Recirculation Inlet)	Stainless Steel	Reactor Coolant
Nozzle (N2 Recirculation Inlet)	Nickel Alloy	Reactor Coolant
Nozzle (N2 Recirculation Inlet)	Carbon or Low Alloy Steel	Reactor Coolant
CRD Housing Penetration	Nickel Alloy	Reactor Coolant
Core Shroud and Core Plate: LPCI	X-750 alloy	Reactor Coolant and Neutr
Core Shroud and Core Plate: LPCI	Stainless Steel	Reactor Coolant and Neutr
Reactor Vessel (Bottom Head, Welc	Carbon or Low Alloy Steel	Reactor Coolant
Reactor Vessel (Bottom Head, Welc	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N10 Core Differential Press	Stainless Steel	Reactor Coolant
Nozzle (N10 Core Differential Press	Nickel Alloy	Air - Indoor, Uncontrolled (
Incore Monitor Penetration	Stainless Steel	Air - Indoor, Uncontrolled (
Incore Monitor Penetration	Nickel Alloy	Reactor Coolant
Bolting (Closure Studs - RPV)	High Strength Low Alloy	Air with Reactor Coolant L
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Air - Indoor, Uncontrolled (
Nozzle (N6, N7 Head Spray, Spare,	Low Alloy Steel	Reactor Coolant
Reactor Vessel (Shell and Welds)	Carbon or Low Alloy Steel	Reactor Coolant and Neutr
Nozzle Safe Ends and Welds (N2 R	Stainless Steel	Reactor Coolant
Jet Pump Assemblies: Castings	Cast Austenitic Stainless	Reactor Coolant and Neutr
Piping, piping components, and pipi	Nickel Alloy	Reactor Coolant
Valve Body	Cast Austenitic Stainless	Reactor Coolant
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Pump Casing (Recirculation Pump)	Cast Austenitic Stainless	Reactor Coolant
Nozzle Safe Ends and Welds (N4 F	Carbon or Low Alloy Steel	Reactor Coolant
RPV Flange Leak Detection Line	Carbon Steel	Reactor Coolant
RPV Flange Leak Detection Line	Carbon Steel	Reactor Coolant
RPV Flange Leak Detection Line	Carbon Steel	Air - Indoor, Uncontrolled (
Recirc Motor Driver Mount	Carbon Steel	Air - Indoor, Uncontrolled (
Nozzle (N1 Recirculation Outlet)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle (N1 Recirculation Outlet)	Carbon or Low Alloy Steel	Reactor Coolant

Nozzle Safe Ends and Welds (N3 S	Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N2 R	Stainless Steel	Reactor Coolant
Reactor Vessel Internal Attachment	Low Alloy Steel	Reactor Coolant
Reactor Vessel Internal Attachment	Nickel Alloy	Reactor Coolant
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Cast Austenitic Stainless	Reactor Coolant
Valve Body	Cast Austenitic Stainless	Reactor Coolant
Valve Body	Cast Austenitic Stainless	Reactor Coolant
Valve Body	Cast Austenitic Stainless	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Pump Casing (Recirculation Pump)	Cast Austenitic Stainless	Reactor Coolant
Nozzle Safe Ends and Welds (N4 F	Carbon or Low Alloy Steel	Reactor Coolant
RPV Flange Leak Detection Line	Stainless Steel	Reactor Coolant
RPV Flange Leak Detection Line	Stainless Steel	Reactor Coolant
Reactor Vessel (Top Head, Flanges	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N1 R	Nickel Alloy	Reactor Coolant
Nozzle (N5 Core Spray)	Stainless Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Nickel Alloy	Reactor Coolant
Nozzle (N4 Feedwater)	Low Alloy Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Low Alloy Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Low Alloy Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Low Alloy Steel	Reactor Coolant
Nozzle (N4 Feedwater)	Low Alloy Steel	Air - Indoor, Uncontrolled (
Nozzle (N17 LPCI)	Carbon or Low Alloy Steel	Reactor Coolant and Neutr
Nozzle (N16 Instrumentation)	Nickel Alloy	Reactor Coolant and Neutr
Nozzle (N11 Instrumentation)	Nickel Alloy	Reactor Coolant
Nozzle (N11 Instrumentation)	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N8 J	Nickel Alloy	Reactor Coolant
Nozzle (N9 CRD Return Line - Cap)	Carbon or Low Alloy Steel	Reactor Coolant
Nozzle Safe Ends and Welds (N9 C	Nickel Alloy	Reactor Coolant
Nozzle (N12 Instrumentation)	Nickel Alloy	Reactor Coolant
Steam Dryers	Stainless Steel	Reactor Coolant
Reactor Vessel Internals Componer	Cast Austenitic Stainless	Reactor Coolant
Jet Pump Assemblies: Thermal slee	X-750 alloy	Reactor Coolant and Neutr
Jet Pump Assemblies: Thermal slee	Stainless Steel	Reactor Coolant and Neutr
Jet Pump Assemblies: Thermal slee	Stainless Steel	Reactor Coolant and Neutr
Jet Pump Assemblies: Thermal slee	Cast Austenitic Stainless	Reactor Coolant and Neutr
Flow Device (Main Steam Flow Ele)	Cast Austenitic Stainless	Steam (Internal)
CRD Housing Penetration	Nickel Alloy	Reactor Coolant
Core Shroud and Core Plate: LPCI	X-750 alloy	Reactor Coolant and Neutr
Core Shroud and Core Plate: LPCI	Cast Austenitic Stainless	Reactor Coolant and Neutr
Nozzle (N13 Seal Leak Detection)	Nickel Alloy	Reactor Coolant
Incore Monitor Penetration	Nickel Alloy	Air - Indoor, Uncontrolled (
Instrumentation: Intermediate range	Stainless Steel	Reactor Coolant and Neutr
Class 1 Piping, Fittings and Branch	Carbon Steel	Reactor Coolant
Class 1 Piping, Fittings and Branch	Stainless Steel	Air - Indoor, Uncontrolled (
Class 1 Piping, Fittings and Branch	Stainless Steel	Reactor Coolant
Reactor Vessel (Shell and Welds)	Carbon or Low Alloy Steel	Reactor Coolant and Neutr
Reactor Vessel (Shell and Welds)	Carbon or Low Alloy Steel	Reactor Coolant and Neutr
Reactor Vessel (Shell and Welds)	Carbon or Low Alloy Steel	Reactor Coolant and Neutr
Reactor Vessel Internal Attachment	Stainless Steel	Reactor Coolant

Piping, piping components, and pipi	Carbon Steel	Waste Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Reactor Coolant
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Pump Casing (Recirculation Pump)	Cast Austenitic Stainless	Reactor Coolant
Pump Casing (Recirculation Pump)	Cast Austenitic Stainless	Air - Indoor, Uncontrolled (
Reactor Vessel (Top Head, Flanges	Carbon or Low Alloy Steel	Reactor Coolant
Reactor Vessel External Attachmen	Carbon Steel	Air - Indoor, Uncontrolled (
Nozzle Safe Ends and Welds (N1 R	Nickel Alloy	Reactor Coolant
Nozzle Safe Ends and Welds (N1 R	Stainless Steel	Reactor Coolant
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components	Copper	Treated Water (Internal)
Heat Exchanger Components	Aluminum	Treated Water (Internal)
Heat Exchanger Components	Aluminum	Treated Water (Internal)
Heat Exchanger Components	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Raw Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Expansion Joints	Elastomer	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Treated Water (External)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Feed	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Outdoor (External)
Expansion Joints	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)

Valve Body	Carbon Steel	Treated Water (Internal)
Tanks (Moisture Separators)	Carbon Steel	Treated Water (Internal)
Turbine Casings (High Pressure Ca	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Lubricating Oil (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Expansion Joints	Stainless Steel	Air - Indoor, Uncontrolled (
Expansion Joints	Stainless Steel	Treated Water > 140°F (Ir
Expansion Joints	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components	Copper	Air - Indoor, Uncontrolled (
Heat Exchanger Components	Aluminum	Air - Indoor, Uncontrolled (
Heat Exchanger Components	Copper	Air - Indoor, Uncontrolled (
Heat Exchanger Components	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Air - Outdoor (External)
Expansion Joints	Carbon Steel	Raw Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Turbine Casings (Low Pressure Exh	Carbon Steel	Treated Water (Internal)
Turbine Casings (High Pressure Ca	Carbon Steel	Air - Indoor, Uncontrolled (
Accumulator	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Feed	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Feed	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Stainless Steel Bolting	Raw Water (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (

Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components	Copper	Treated Water (Internal)
Heat Exchanger Components	Aluminum	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Air/Gas - Wetted (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Flow Device	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Expansion Joints	Stainless Steel	Treated Water > 140°F (Ir
Expansion Joints	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Turbine Casings (Low Pressure Exh	Carbon Steel	Air - Indoor, Uncontrolled (
Accumulator	Carbon Steel	Air/Gas - Dry (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Expansion Joints	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Flow Device	Glass	Treated Water (Internal)
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (

Valve Body	Carbon Steel	Raw Water (Internal)
Valve Body	Stainless Steel	Raw Water (Internal)
Valve Body	Carbon Steel	Raw Water (Internal)
Expansion Joints	Elastomer	Raw Water (Internal)
Heat Exchanger Components	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Drair	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Treated Water (External)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Turbine Casings (Low Pressure Exh	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Expansion Joints	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Heat Exchanger Components	Copper	Treated Water (Internal)
Heat Exchanger Components	Carbon Steel	Treated Water (Internal)
Tanks	Carbon Steel	Treated Water (Internal)
Tanks	Carbon Steel	Treated Water (Internal)
Tanks (EHC drain tank)	Stainless Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Raw Water (Internal)
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Expansion Joints	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Expansion Joints	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Treated Water (Internal)
Turbine Casings (Low Pressure Exh	Carbon Steel	Treated Water (Internal)
Turbine Casings (High Pressure Ca	Carbon Steel	Treated Water (Internal)
Expansion Joints	Stainless Steel	Treated Water > 140°F (Ir
Expansion Joints	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)

Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components (Drair	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Glass	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Flow Device	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Raw Water (Internal)
Strainer (Element)	Stainless Steel	Raw Water (External)
Strainer (Element)	Polymer	Air - Outdoor (External)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Carbon Steel	Treated Water (Internal)
Tanks	Carbon Steel	Air/Gas - Wetted (Internal)
Flow Device	Glass	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Carbon Steel	Steam (Internal)
Heat Exchanger Components (Drair	Carbon Steel	Air - Indoor, Uncontrolled (
Flow Device	Glass	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)

Flow Device	Glass	Air - Indoor, Uncontrolled (
Expansion Joints	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Accumulator	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Stainless Steel	Lubricating Oil (Internal)
Expansion Joints	Carbon Steel	Air - Indoor, Uncontrolled (
Expansion Joints	Stainless Steel	Treated Water (Internal)
Expansion Joints	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Bolting	Stainless Steel Bolting	Raw Water (External)
Bolting	Stainless Steel Bolting	Air - Outdoor (External)
Piping, piping components, and pipi	Carbon Steel	Soil (External)
Strainer (Element)	Stainless Steel	Air - Outdoor (External)
Strainer (Element)	Carbon Steel	Raw Water (External)
Strainer (Element)	Carbon Steel	Air - Outdoor (External)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Heat Exchanger Components	Copper	Treated Water (Internal)
Heat Exchanger Components	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (EHC drain tank)	Stainless Steel	Lubricating Oil (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Treated Water (Internal)
Tanks (Moisture Separators)	Carbon Steel	Treated Water (Internal)
Tanks (Moisture Separators)	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Lubricating Oil (Internal)
Expansion Joints	Stainless Steel	Treated Water > 140°F (Ir
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air/Gas - Wetted (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Flow Device	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Stainless Steel	Lubricating Oil (Internal)
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)

Valve Body	Stainless Steel	Treated Water (Internal)
Flow Device	Glass	Air - Indoor, Uncontrolled (
Expansion Joints	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components	Aluminum	Treated Water (Internal)
Heat Exchanger Components	Aluminum	Treated Water (Internal)
Heat Exchanger Components	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks	Carbon Steel	Air - Indoor, Uncontrolled (
Tanks (EHC drain tank)	Stainless Steel	Air/Gas - Wetted (Internal)
Tanks (EHC drain tank)	Stainless Steel	Lubricating Oil (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Raw Water (Internal)
Strainer (Element)	Polymer	Raw Water (External)
Expansion Joints	Elastomer	Raw Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Carbon Steel	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Tanks (Moisture Separators)	Carbon Steel	Treated Water (Internal)
Turbine Casings (High Pressure Ca	Carbon Steel	Treated Water (Internal)
Accumulator	Carbon Steel	Air - Indoor, Uncontrolled (
Valve Body	Carbon Steel	Lubricating Oil (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Steam (Internal)
Expansion Joints	Carbon Steel	Treated Water (Internal)
Piping, piping components, and pipi	Stainless Steel	Treated Water (External)
Piping, piping components, and pipi	Carbon Steel	Steam (Internal)
Piping, piping components, and pipi	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Carbon Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Treated Water > 140°F (Ir
Valve Body	Stainless Steel	Treated Water (Internal)
Valve Body	Stainless Steel	Air - Indoor, Uncontrolled (
Heat Exchanger Components (Feec	Carbon Steel	Treated Water (Internal)
Flow Device	Carbon Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Treated Water (External)
Flow Device	Carbon Steel	Treated Water (Internal)
Expansion Joints	Stainless Steel	Treated Water (Internal)
Bolting	Carbon and Low Alloy St	Air - Indoor, Uncontrolled (
Piping, piping components, and pipi	Stainless Steel	Treated Water > 140°F (Ir
Concrete Anchors	Carbon and Low Alloy St	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Concrete
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Hatches/Plugs	Reinforced concrete	Air - Outdoor

Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Outdoor
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Grout	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Metal panels: (Including Roofing Pa	Galvanized Steel	Air - Indoor, Uncontrolled
Metal panels: (Including Roofing Pa	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Foundation (accessible) (	Reinforced concrete	Water - Flowing
Concrete: Foundation (accessible) (	Reinforced concrete	Water - Flowing
Doors	Carbon Steel	Air - Outdoor
Tube Track	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration sleeves	Carbon Steel	Air - Outdoor
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Supports for HVAC System Compou	Carbon and Low Alloy St	Air - Outdoor
Supports for HVAC System Compou	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Supports for HVAC System Compou	Galvanized Bolting	Air - Indoor, Uncontrolled
Supports for Platforms, Jet Impinge	Carbon and Low Alloy St	Air - Outdoor
Supports for Platforms, Jet Impinge	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Supports for Racks, Panels, Cabine	Carbon Steel	Air - Outdoor
Supports for Racks, Panels, Cabine	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Supports for Racks, Panels, Cabine	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (acc	Reinforced concrete	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Stainless Steel Bolting	Air - Outdoor
Supports for ASME Class 2 and 3 P	Carbon Steel	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Carbon and Low Alloy St	Treated Water
Supports for Racks, Panels, Cabine	Grout	Air - Outdoor
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Blowout Panels	Galvanized Steel	Air - Indoor, Uncontrolled
Equipment supports and foundation	Reinforced concrete	Air - Indoor, Uncontrolled
Bolting (Vacuum Relief Valve Boltir	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Cable Trays and Gutters	Aluminum	Air - Indoor, Uncontrolled
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor

Concrete Anchors	Carbon and Low Alloy St	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Electrical Penetration Assembly	Stainless Steel	Air - Indoor, Uncontrolled
Electrical Penetration Assembly	Stainless Steel	Air - Indoor, Uncontrolled
Electrical Penetration Assembly	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (accessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (accessible)	Reinforced concrete	Air - Outdoor
Concrete: Foundation (accessible)	Reinforced concrete	Air - Outdoor
Steel elements: Vacuum Breaker V	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Concrete
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Concrete
Concrete Embedments	Carbon Steel	Air - Outdoor
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Seismic Gap Filler	Elastomer	Air - Outdoor
Roofing: (Scuppers)	Galvanized Steel	Air - Outdoor
Seals, gaskets, and moisture barrier	Stainless Steel	Air - Outdoor
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade (inaccessibl	Reinforced concrete	Water - Flowing
Concrete: Below-grade (inaccessibl	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessibl	Reinforced concrete	Groundwater/Soil
Hatches/Plugs (including manhole c	Ductile Cast Iron	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Concrete
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Masonry walls: Above-grade exterio	Concrete Block	Air - Indoor, Uncontrolled
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Cable Trays and Gutters	Aluminum	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Aluminum	Air - Indoor, Uncontrolled
Metal panels	Carbon Steel	Air - Outdoor
Steel elements:(Drywell Head)	Carbon Steel	Air - Indoor, Uncontrolled
Earthen water-control structures: (E	Soil, rip-rap, sand, grave	Air - Outdoor
Earthen water-control structures: (E	Soil, rip-rap, sand, grave	Water - Standing
Concrete: (Intake Area Slab)	Reinforced concrete	Groundwater/Soil

Concrete: (Intake Area Slab)	Reinforced concrete	Water - Flowing
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Aluminum	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Outdoor
Penetration seals	Grout	Water - Flowing
Penetration seals	Elastomer	Air - Outdoor
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Aluminum	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Equipment supports and foundation	Reinforced concrete	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Containment Wall (acce	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior (Diaphragm Slab)	Reinforced concrete	Encased in Steel
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, C	Carbon and Low Alloy St	Air - Outdoor
Supports for Cable Trays, Gutter, C	Galvanized Bolting	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, C	Elastomer	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, C	Carbon Steel	Air - Outdoor
Supports for HVAC System Compon	Concrete	Air - Indoor, Uncontrolled
Supports for Platforms, Jet Impinge	Concrete	Air - Outdoor
Supports for Platforms, Jet Impinge	Grout	Air - Indoor, Uncontrolled
Roofing	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Seismic Gap Filler	Elastomer	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled

Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Metal panels	Carbon Steel	Air - Outdoor
Concrete: Foundation (accessible) (ir	Reinforced concrete	Water - Flowing
Concrete: Foundation (accessible) (ir	Reinforced concrete	Air - Outdoor
Concrete Curbs	Reinforced concrete	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Insulation	Fiberglass	Air - Indoor, Uncontrolled
Roofing: (Scuppers)	PVC	Air - Outdoor
Seismic Gap Filler	Elastomer	Air - Outdoor
Concrete: Equipment Foundation (ir	Reinforced concrete	Groundwater/Soil
Concrete: Equipment Foundation (ir	Reinforced concrete	Groundwater/Soil
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Metal components: All structural me	Galvanized Steel	Air - Outdoor
Metal components: All structural me	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior and	Reinforced concrete	Water - Flowing
Concrete: Above-grade exterior and	Reinforced concrete	Water - Flowing
Miscellaneous steel (catwalks, stairs	Aluminum	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Outdoor
Penetration sleeves	Galvanized Steel	Air - Outdoor
Penetration sleeves	Carbon Steel	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Seismic Gap Filler	Elastomer	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy St	Concrete
Concrete Embedments	Carbon Steel	Concrete
Supports for ASME Class 1 Piping &	Stainless Steel Bolting	Treated Water
Supports for ASME Class 1 Piping &	Galvanized Bolting	Air - Indoor, Uncontrolled
Bolting (Structural)	Stainless Steel Bolting	Raw Water
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Steel Components (Bus Duct)	Galvanized Steel	Air - Outdoor
Conduit	Galvanized Steel	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil

Concrete Anchors	Carbon and Low Alloy St	Concrete
Doors	Glass	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Metal components: All structural me	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Embedments	Stainless Steel	Air - Outdoor
Concrete Anchors	Stainless Steel Bolting	Concrete
Concrete Anchors	Carbon and Low Alloy St	Air - Outdoor
Seals, gaskets, and moisture barrier	Aluminum	Air - Outdoor
Concrete: (Overflow Structure)	Reinforced concrete	Air - Outdoor
Concrete (Concrete Pipe Encaseme	Reinforced concrete	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete Anchors	Carbon and Low Alloy St	Concrete
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Pipe Whip Restraints and Jet Impin	Carbon Steel	Air - Indoor, Uncontrolled
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Carbon Steel	Air - Indoor, Uncontrolled
Steel Components (Reactor Shield)	Carbon Steel	Air - Indoor, Uncontrolled
Steel Components (Reactor Shield)	Concrete	Encased in Steel
Bolting (Containment Closure)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Bolting (Containment Closure)	Carbon and Low Alloy St	Concrete
Steel elements: Downcomers and B	Carbon Steel	Treated Water
Metal components: (Permanent Dry	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Concrete
Penetration sleeves	Carbon Steel	Concrete
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Roofing	Reinforced concrete	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Stainless Steel	Air - Outdoor

Concrete: Above-grade exterior (inaccessi	Reinforced concrete	Air - Outdoor
Penetration seals	Grout	Groundwater/Soil
Penetration sleeves	Carbon Steel	Air - Outdoor
Penetration sleeves	Galvanized Steel	Concrete
Sliding (support) surfaces	Elastomer	Air - Indoor, Uncontrolled
Steel elements: Sump liners, liner anchors,	Carbon Steel	Raw Water
Steel elements: (Birdscreen)	Galvanized Steel	Air - Outdoor
Steel elements: (Birdscreen)	Galvanized Steel	Air - Indoor, Uncontrolled
Supports for Racks, Panels, Cabinets, and Other	Galvanized Steel	Air - Outdoor
Concrete: Below-grade exterior (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Metal components: All structural members	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration sleeves	Galvanized Steel	Concrete
Penetration sleeves	Carbon Steel	Concrete
Precast Panel	Reinforced concrete	Air - Outdoor
Roofing: (Scuppers)	PVC	Air - Outdoor
Concrete: Foundation (accessible)	Reinforced concrete	Air - Outdoor
Steel elements: liner, liner anchors, liner	Carbon Steel	Concrete
Steel elements: liner, liner anchors, liner	Carbon Steel	Treated Water
Steel elements: liner, liner anchors, liner	Stainless Steel	Concrete
Steel elements: liner, liner anchors, liner	Carbon Steel	Treated Water
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Concrete
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs, ladders)	Stainless Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Stainless Steel	Air - Indoor, Uncontrolled
Hatches/Plugs (including manhole covers)	Ductile Cast Iron	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy Steel	Concrete
Bolting (Structural)	Stainless Steel	Air - Outdoor
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Groundwater/Soil
Penetration sleeves	Carbon Steel	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Concrete
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Indoor, Uncontrolled
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Concrete: Below-grade interior (accessible)	Reinforced concrete	Air - Outdoor
Concrete: Below-grade interior (accessible)	Reinforced concrete	Air - Outdoor
Penetration seals	Lead	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Outdoor

Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barriers	Elastomer	Air - Indoor, Uncontrolled
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Galvanized Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy Steel	Concrete
Metal components: All structural members	Carbon Steel	Air - Outdoor
Concrete Embedments	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Concrete
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Miscellaneous steel (catwalks, stairs)	Galvanized Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Galvanized Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Aluminum	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Outdoor
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Concrete
Concrete: Containment Wall (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Containment Wall (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior (Pedestal)	Reinforced concrete	Encased in Steel
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Steel elements: liner, liner anchors, liner bolts	Stainless Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors, liner bolts	Carbon Steel	Treated Water
Penetration sleeves: (includes caps)	Stainless Steel	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps)	Carbon Steel	Treated Water
Penetration sleeves: (includes caps)	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps)	Carbon Steel	Treated Water
Concrete Embedments	Galvanized Steel	Air - Outdoor
Concrete Embedments	Galvanized Steel	Concrete
Concrete Embedments	Galvanized Steel	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, Conduits	Carbon and Low Alloy Steel	Air - Outdoor
Supports for Cable Trays, Gutter, Conduits	Galvanized Steel	Air - Outdoor
Roofing	Elastomer	Air - Outdoor
Seismic Gap Filler	Elastomer	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Concrete
Metal panels	Galvanized Steel	Air - Outdoor
Concrete: Foundation (accessible) (interior)	Reinforced concrete	Water - Flowing
Metal components: All structural members	Carbon Steel	Air - Indoor, Uncontrolled

Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Outdoor
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Outdoor
Supports for ASME Class 2 and 3 P	Stainless Steel	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Galvanized Bolting	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Carbon Steel	Treated Water
Supports for ASME Class 2 and 3 P	Carbon and Low Alloy St	Treated Water
Supports for ASME Class 2 and 3 P	Carbon and Low Alloy St	Air - Outdoor
Supports for HVAC System Compon	Carbon Steel	Air - Indoor, Uncontrolled
Supports for HVAC System Compon	Carbon Steel	Air - Indoor, Uncontrolled
Blowout Panels	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Air - Indoor, Uncontrolled
Seismic Gap Filler	Elastomer	Air - Outdoor
Bolting (Vacuum Relief Valve Boltir	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Compressible Joints and Seals (incl	Elastomer	Air - Indoor, Uncontrolled
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Concrete Embedments	Carbon Steel	Air - Outdoor
Concrete: Above-grade exterior (acc	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (acc	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (acc	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (acc	Reinforced concrete	Air - Indoor, Uncontrolled
Electrical Penetration Assembly	Carbon Steel	Air - Indoor, Uncontrolled
Doors	Glass	Air - Outdoor
Doors	Carbon Steel	Air - Outdoor
Miscellaneous steel (catwalks, stairs	Aluminum	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Aluminum	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Conduit	Galvanized Steel	Concrete
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Insulation jacketing (includes integr	Aluminum	Air - Outdoor
Insulation jacketing (includes integr	Plastic mastic jacketing	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Cable Trays and Gutters	Aluminum	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (acc	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Groundwater/Soil
Penetration sleeves	Galvanized Steel	Concrete
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Supports for ASME Class 1 Piping &	Stainless Steel Bolting	Treated Water
Supports for ASME Class 1 Piping &	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Supports for ASME Class 1 Piping &	Galvanized Steel	Air - Indoor, Uncontrolled
Supports for ASME Class 1 Piping &	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Supports for ASME Class 1 Piping &	Carbon and Low Alloy St	Air - Indoor, Uncontrolled

Earthen water-control structures: Earth	Soil, rip-rap, sand, gravel	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Bolting (Structural)	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Aluminum	Air - Outdoor
Bolting (Structural)	Aluminum	Air - Outdoor
Bolting (Structural)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Seismic Gap Filler	Elastomer	Air - Outdoor
Concrete Embedments	Carbon Steel	Air - Outdoor
Concrete: Above-grade exterior (access)	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (inaccess)	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Expansion Joint	Elastomer	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Aluminum	Air - Outdoor
Seals, gaskets, and moisture barriers	Aluminum	Air - Outdoor
Metal panels	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements:(Drywell Head)	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements:(Drywell Head)	Carbon Steel	Air - Indoor, Uncontrolled
Seismic Gap Filler	Elastomer	Air - Outdoor
Concrete: (Intake Area Slab)	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (inaccess)	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (inaccess)	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Conduit	Galvanized Steel	Concrete
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Air - Outdoor
Miscellaneous steel (catwalks, stairs)	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (inaccess)	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (inaccess)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Service Level I Coatings	Coatings	Treated Water
Service Level I Coatings	Coatings	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Concrete
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Personnel airlock, equipment hatch	Carbon Steel	Air - Indoor, Uncontrolled
Personnel airlock, equipment hatch	Carbon Steel	Air - Indoor, Uncontrolled
Personnel airlock, equipment hatch	Carbon Steel	Air - Indoor, Uncontrolled
Pipe Whip Restraints and Jet Impin	Carbon Steel	Air - Indoor, Uncontrolled

Seals and gaskets	Elastomer	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Air - Indoor, Uncontrolled
Bolting (Containment Closure)	Carbon and Low Alloy St	Concrete
Bolting (Containment Closure)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Steel Components (RPV Transfer C	Carbon Steel	Concrete
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Roofing	Reinforced concrete	Water - Flowing
Roofing	Reinforced concrete	Air - Outdoor
Roofing	Reinforced concrete	Air - Outdoor
Seals, gaskets, and moisture barrier	Aluminum	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Steel elements: Fuel pool liners, int	Carbon Steel	Concrete
Steel elements: Sump liners, integr	Stainless Steel	Raw Water
Steel elements: Sump liners, integr	Stainless Steel	Air - Indoor, Uncontrolled
Tube Track	Carbon Steel	Air - Indoor, Uncontrolled
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Hatches/Plugs (includes manhole c	Ductile Cast Iron	Air - Outdoor
Hatches/Plugs (includes manhole c	Galvanized Steel	Air - Outdoor
Supports for ASME Class 2 and 3 P	Carbon Steel	Air - Outdoor
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Metal decking	Galvanized Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Concrete
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Elastomer	Air - Outdoor
Concrete Embedments	Galvanized Steel	Concrete
Insulation	Stainless Steel (Mirror In	Air - Indoor, Uncontrolled
Insulation	Calcium Silicate	Air - Indoor, Uncontrolled
Insulation	Mineral fiber	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Manholes, & Duct Banks	Reinforced concrete	Groundwater/Soil
Manholes, & Duct Banks	Reinforced concrete	Groundwater/Soil
Manholes, & Duct Banks	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Water - Flowing
Hatches/Plugs	Carbon Steel	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Outdoor
Concrete Curbs	Reinforced concrete	Water - Flowing
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Metal components: All structural me	Aluminum	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Indoor, Uncontrolled

Concrete: Above-grade exterior (inaccessi	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (inaccessi	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (inaccessi	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (inaccessi	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (inaccessi	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (inaccessi	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (inaccessi	Reinforced concrete	Air - Outdoor
Concrete: Foundation (accessible) (inacces	Reinforced concrete	Water - Flowing
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Outdoor
Penetration seals	Elastomer	Air - Outdoor
Penetration seals	Elastomer	Air - Outdoor
Penetration sleeves	Galvanized Steel	Air - Outdoor
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Precast Panel	Reinforced concrete	Air - Outdoor
Roofing: (Scuppers)	PVC	Air - Outdoor
Supports for HVAC System Components	Carbon Steel	Air - Outdoor
Supports for Racks, Panels, Cabinets, and	Galvanized Bolting	Air - Indoor, Uncontrolled
Supports for Racks, Panels, Cabinets, and	Carbon and Low Alloy Steel	Air - Outdoor
Concrete: Below-grade exterior (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Columns (Spray Network)	Reinforced concrete	Water - Flowing
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Air - Outdoor
Concrete Embedments	Stainless Steel	Raw Water
Concrete Embedments	Stainless Steel	Concrete
Concrete Embedments (Sluice Gate)	Ductile Cast Iron	Raw Water
Concrete Anchors	Carbon and Low Alloy Steel	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy Steel	Concrete
Miscellaneous steel (Splitter Assemblies)	Stainless Steel	Raw Water
Cable Trays and Gutters	Aluminum	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Metal components: (Removable Scuppers)	Stainless Steel	Raw Water
Metal components: (Removable Scuppers)	Stainless Steel	Air - Outdoor
Roofing: (Scuppers)	Galvanized Steel	Air - Outdoor
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Aluminum	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Seals, gaskets, and moisture barriers	Elastomer	Air - Indoor, Uncontrolled
Steel elements: (Birdscreen)	Galvanized Bolting	Air - Outdoor
Steel elements: liner, liner anchors, and	Carbon Steel	Treated Water
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled

Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Roofing: (Scuppers)	Galvanized Steel	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Below-grade (inaccessible)	Reinforced concrete	Groundwater/Soil
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Air - Outdoor
Transmission Towers (includes take	Galvanized Steel	Air - Outdoor
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Penetration sleeves	Galvanized Steel	Concrete
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Seals, gaskets, and moisture barrier	Aluminum	Air - Outdoor
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Metal components: All structural me	Carbon Steel	Air - Indoor, Uncontrolled
Metal components: All structural me	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Metal decking	Galvanized Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Concrete Embedments	Carbon Steel	Air - Outdoor
Concrete Embedments	Galvanized Steel	Concrete
Concrete Anchors	Carbon and Low Alloy St	Concrete
Insulation (support collars and faste	Stainless Steel	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Grout	Air - Indoor, Uncontrolled
Steel elements:(Drywell Head)	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: (Intake Area Slab)	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled

Doors	Carbon Steel	Air - Outdoor
Miscellaneous steel (catwalks, stairs)	Aluminum	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Air - Outdoor
Concrete Curbs	Reinforced concrete	Water - Flowing
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Metal components: All structural members	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barriers	Stainless Steel	Air - Outdoor
Seals, gaskets, and moisture barriers	Elastomer	Air - Indoor, Uncontrolled
Tube Track	Stainless Steel	Air - Indoor, Uncontrolled
Tube Track	Stainless Steel	Air - Indoor, Uncontrolled
Concrete: Containment Wall (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors, and	Carbon Steel	Treated Water
Steel elements: liner, liner anchors, and	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors, and	Carbon Steel	Treated Water
Penetration sleeves: (includes caps and	Carbon Steel; dissimilar metal	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps and	Carbon Steel	Treated Water
Penetration sleeves: (includes caps and	Stainless Steel	Concrete
Penetration sleeves: (includes caps and	Carbon Steel	Treated Water
Penetration sleeves: (includes caps and	Carbon Steel	Treated Water
Penetration sleeves: (includes caps and	Carbon Steel; dissimilar metal	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps and	Carbon Steel	Concrete
Penetration sleeves: (includes caps and	Carbon Steel	Treated Water
Supports for Cable Trays, Gutter, and	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (accessible) (inaccessible)	Reinforced concrete	Air - Outdoor
Concrete Curbs	Reinforced concrete	Air - Outdoor
Supports for ASME Class 2 and 3 Piping	Carbon Steel	Air - Outdoor
Cable Trays	Aluminum	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Bolting (Structural)	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Air - Outdoor
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Outdoor
Penetration seals	Elastomer	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Metal panels	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Concrete

Concrete Embedments	Carbon Steel	Concrete
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Concrete
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Concrete
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Supports for ASME Class 1 Piping &	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Supports for ASME Class 1 Piping &	Carbon Steel	Air - Indoor, Uncontrolled
Supports for ASME Class 1 Piping &	Carbon Steel	Air - Indoor, Uncontrolled
Supports for ASME Class 1 Piping &	Galvanized Bolting	Air - Indoor, Uncontrolled
Earthen water-control structures: Er	Soil, rip-rap, sand, grave	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Equipment supports and foundation	Reinforced concrete	Groundwater/Soil
Precast Panel	Reinforced concrete	Water - Flowing
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Carbon Steel	Air - Outdoor
Blowout Panels	Aluminum	Air - Indoor, Uncontrolled
Blowout Panels	Carbon Steel	Air - Outdoor
Bolting (Structural)	Aluminum	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy St	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Conduit	Galvanized Steel	Concrete
Conduit	Galvanized Steel	Concrete
Doors	Carbon Steel	Air - Outdoor
Doors	Carbon Steel	Air - Outdoor

Doors	Glass	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Steel elements: liner (sump), integr	Stainless Steel	Concrete
Steel elements: (debris screens, gra	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: (debris screens, gra	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements:(Drywell Head)	Carbon Steel	Air - Indoor, Uncontrolled
Tube Track	Stainless Steel	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Personnel airlock, equipment hatch	Carbon Steel	Air - Indoor, Uncontrolled
Seismic Gap Filler	Elastomer	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Treated Water
Steel Components (Reactor Shield)	Carbon Steel	Air - Indoor, Uncontrolled
Steel Components (Energy Absorber	Aluminum	Air - Indoor, Uncontrolled
Bolting (Containment Closure)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Bolting (Containment Closure)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Steel Components (Steel Columns i	Carbon Steel	Treated Water
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Concrete
Roofing	Elastomer	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Steel elements: Fuel pool liners, int	Stainless Steel	Treated Water
Steel elements: Fuel pool liners, int	Stainless Steel	Air - Indoor, Uncontrolled
Steel elements: Reactor Well, Drye	Stainless Steel	Concrete
Steel Components (Seismic Stabiliz	Carbon Steel	Air - Indoor, Uncontrolled
Duct Banks	Concrete	Groundwater/Soil
Duct Banks	Concrete	Groundwater/Soil
Hatches/Plugs (includes manhole c	Carbon Steel	Air - Outdoor
Bolting (Structural)	Aluminum	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Supports for ASME Class 1 Piping &	Grout	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner(sump), integra	Stainless Steel	Raw Water
Doors	Carbon Steel	Air - Outdoor
Concrete Curbs	Reinforced concrete	Air - Outdoor
Concrete Embedments	Galvanized Steel	Concrete
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Miscellaneous steel (catwalks, stairs	Aluminum	Air - Outdoor
Concrete Embedments	Carbon Steel	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Insulation	Fiberglass (Molded)	Air - Indoor, Uncontrolled
Insulation	Fiberglass	Air - Outdoor

Insulation	Calcium Silicate	Air - Outdoor
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Metal siding	Carbon Steel	Air - Outdoor
Concrete: Below-grade exterior (acc	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Above-grade exterior and	Reinforced concrete	Water - Flowing
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Conduit	Galvanized Steel	Concrete
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Metal components: All structural me	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Penetration sleeves	Galvanized Steel	Air - Outdoor
Precast Panel	Reinforced concrete	Air - Outdoor
Precast Panel	Reinforced concrete	Air - Indoor, Uncontrolled
Supports for Racks, Panels, Cabine	Galvanized Bolting	Air - Indoor, Uncontrolled
Supports for Racks, Panels, Cabine	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Stainless Steel	Air - Indoor, Uncontrolled
Concrete Embedments (Sluice Gate)	Ductile Cast Iron	Air - Outdoor
Concrete Anchors	Stainless Steel Bolting	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Groundwater/Soil
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Concrete: (Overflow Structure)	Reinforced concrete	Water - Flowing
Concrete: (Overflow Structure)	Reinforced concrete	Air - Outdoor
Concrete: (Overflow Structure)	Reinforced concrete	Groundwater/Soil

Concrete (Concrete Pipe Encasement)	Reinforced concrete	Air - Outdoor
Concrete (Concrete Pipe Encasement)	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Doors	Aluminum	Air - Outdoor
Penetration sleeves	Carbon Steel	Air - Outdoor
Precast Panel	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (accessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors, and other steel	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors, and other steel	Carbon Steel	Concrete
Steel elements: liner, liner anchors, and other steel	Carbon Steel	Treated Water
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete Anchors	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barriers	Elastomer	Air - Outdoor
Doors (Reactor Shield Doors and Penetration Doors)	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs, ladders, etc.)	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade (inaccessible)	Reinforced concrete	Groundwater/Soil
Hatches/Plugs (including manhole covers)	Ductile Cast Iron	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (accessible)	Reinforced concrete	Air - Outdoor
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Elastomer	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration sleeves	Carbon Steel	Concrete
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Water - Flowing
Hatches/Plugs (includes manhole covers)	Ductile Cast Iron	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Tube Track	Carbon Steel	Air - Indoor, Uncontrolled
Tube Track	Carbon Steel	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Concrete
Equipment supports and foundations	Reinforced concrete	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Cable Trays and Gutters	Aluminum	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Concrete
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other Enclosures	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete

Penetration sleeves	Carbon Steel	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Insulation (support collars and faste	Stainless Steel	Air - Outdoor
Insulation (support collars and faste	Carbon Steel	Air - Indoor, Uncontrolled
Insulation (support collars and faste	Stainless Steel	Air - Outdoor
Insulation (support collars and faste	Stainless Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Equipment supports and foundation	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Conduit	Galvanized Steel	Air - Outdoor
Equipment supports and foundation	Reinforced concrete	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements: liner (sump), integr	Stainless Steel	Raw Water
Steel elements:(Drywell Head)	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements:(Drywell Head)	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: (Intake Area Slab)	Reinforced concrete	Water - Flowing
Concrete: (Intake Area Slab)	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Stainless Steel	Raw Water
Bolting (Structural)	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Aluminum	Air - Outdoor
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Concrete
Supports for Cable Trays, Gutters, C	Concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Penetration sleeves: (includes caps	Carbon Steel	Concrete
Penetration sleeves: (includes caps	Carbon Steel	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, C	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, C	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Supports for Platforms, Jet Impinge	Grout	Air - Outdoor
Roofing	Reinforced concrete	Air - Outdoor

Concrete: Below-grade exterior (inaccessi	Reinforced concrete	Groundwater/Soil
Concrete: Equipment Foundation (accessi	Reinforced concrete	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Metal panels	Galvanized Steel	Air - Outdoor
Metal panels	Carbon Steel	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Metal siding (includes metal roof pa	Carbon Steel	Air - Outdoor
Supports for ASME Class 2 and 3 P	Stainless Steel	Treated Water
Supports for ASME Class 2 and 3 P	Galvanized Bolting	Air - Outdoor
Supports for ASME Class 2 and 3 P	Galvanized Bolting	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Carbon and Low Alloy St	Treated Water
Supports for ASME Class 2 and 3 P	Carbon and Low Alloy St	Air - Outdoor
Supports for HVAC System Compon	Elastomer	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Outdoor
Bolting (Structural)	Carbon and Low Alloy St	Air - Outdoor
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Concrete
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Doors	Aluminum	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy St	Air - Outdoor
Penetration seals	Grout	Groundwater/Soil
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Insulation	Cellular Glass	Air - Indoor, Uncontrolled
Insulation	Insulation cement and fir	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Hatches/Plugs	Galvanized Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Galvanized Steel	Air - Outdoor
Manholes, & Duct Banks	Reinforced concrete	Groundwater/Soil
Manholes, & Duct Banks	Reinforced concrete	Air - Outdoor
Manholes, & Duct Banks	Reinforced concrete	Water - Flowing
Manholes, & Duct Banks	Reinforced concrete	Air - Outdoor
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior and	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior and	Reinforced concrete	Water - Flowing
Concrete: Above-grade exterior and	Reinforced concrete	Water - Flowing
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Air - Outdoor
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Insulation jacketing (includes integr	Galvanized Steel	Air - Indoor, Uncontrolled
Insulation jacketing (includes integr	Aluminum	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled

Bolting (Structural)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (access)	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Water - Flowing
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Concrete
Concrete: Below-grade exterior (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Earthen water-control structures: Earth	Soil, rip-rap, sand, gravel	Water - Standing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Seismic Gap Filler	Elastomer	Air - Outdoor
Doors	Carbon Steel	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Conduit	Galvanized Steel	Concrete
Conduit	Galvanized Steel	Air - Outdoor
Penetration sleeves	Carbon Steel	Concrete
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Doors	Carbon Steel	Air - Outdoor
Miscellaneous steel (catwalks, stairs)	Galvanized Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Carbon Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Aluminum	Air - Outdoor
Concrete Embedments	Galvanized Steel	Air - Outdoor
Sliding (support) surfaces	Carbon Steel	Air - Indoor, Uncontrolled
Tube Track (instrument tray or race)	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements: Sump liners, liners	Carbon Steel	Concrete
Supports for HVAC System Components	Carbon and Low Alloy Steel	Air - Outdoor
Supports for HVAC System Components	Galvanized Bolting	Air - Indoor, Uncontrolled
Supports for HVAC System Components	Galvanized Steel	Air - Outdoor
Supports for Platforms, Jet Impingement	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (access)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Embedments (Sluice Gate)	Ductile Cast Iron	Raw Water
Concrete Embedments (Sluice Gate)	Ductile Cast Iron	Concrete
Concrete Anchors	Stainless Steel Bolting	Raw Water
Concrete Anchors	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barriers	Elastomer	Air - Indoor, Uncontrolled
Concrete: (Overflow Structure)	Reinforced concrete	Groundwater/Soil
Concrete: (Overflow Structure)	Reinforced concrete	Water - Flowing
Concrete: (Overflow Structure)	Reinforced concrete	Groundwater/Soil
Concrete (Concrete Pipe Encasement)	Reinforced concrete	Groundwater/Soil
Concrete (Concrete Pipe Encasement)	Reinforced concrete	Water - Flowing
Concrete (Concrete Pipe Encasement)	Reinforced concrete	Water - Flowing
Cable Trays and Gutters	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (access)	Reinforced concrete	Air - Outdoor

Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Cable Trays and Gutters	Aluminum	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Treated Water
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Metal components: All structural me	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: (Seal Plate)	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Treated Water
Steel Components (Energy Absorber	Stainless Steel	Air - Indoor, Uncontrolled
Steel Components (Energy Absorber	Carbon Steel	Air - Indoor, Uncontrolled
Steel Components (Steel Columns i	Carbon Steel	Treated Water
Steel elements: Downcomers and B	Carbon Steel	Treated Water
Steel elements: Downcomers and B	Carbon Steel	Air - Indoor, Uncontrolled
Metal components: (Permanent Dry	Fiberglass	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Roofing	Elastomer	Air - Outdoor
Spent fuel pool gates	Stainless Steel	Air - Indoor, Uncontrolled
Duct Banks	Concrete	Groundwater/Soil
Duct Banks	Concrete	Groundwater/Soil
Bolting (Structural)	Carbon and Low Alloy St	Air - Outdoor
Conduit	Galvanized Steel	Concrete
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Precast Panel	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Water - Flowing
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Steel	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Miscellaneous steel (catwalks, stairs	Carbon Steel	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Hatches/Plugs (includes manhole c	Ductile Cast Iron	Air - Outdoor
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Outdoor
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration sleeves	Carbon Steel	Concrete
Metal components: All structural me	Carbon Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Concrete Embedments	Carbon Steel	Concrete

Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Outdoor
Penetration sleeves	Carbon Steel	Concrete
Insulation (support collars and faste	Carbon Steel	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Miscellaneous steel (includes floor c	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (accessible):	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Downcomer Jet Deflectors	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Concrete
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Supports for ASME Class 2 and 3 P	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Stainless Steel Bolting	Treated Water
Supports for ASME Class 2 and 3 P	Stainless Steel Bolting	Treated Water
Supports for ASME Class 2 and 3 P	Stainless Steel Bolting	Air - Outdoor
Supports for ASME Class 2 and 3 P	Galvanized Steel	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Carbon Steel	Treated Water
Supports for ASME Class 2 and 3 P	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Bolting (Vacuum Relief Valve Boltir	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Concrete: Below-grade interior (acc	Reinforced concrete	Water - Flowing
Concrete Anchors	Carbon and Low Alloy St	Concrete
Concrete Curbs	Reinforced concrete	Air - Outdoor
Concrete Curbs	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Doors	Carbon Steel	Air - Outdoor
Metal components: All structural me	Galvanized Steel	Air - Indoor, Uncontrolled
Metal decking	Galvanized Steel	Concrete
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements: (Birdscreen)	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (accessible)	Reinforced concrete	Air - Outdoor
Concrete: Foundation (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled

Concrete: Foundation (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete Anchors	Carbon and Low Alloy St	Concrete
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Hatches/Plugs (including manhole c	Ductile Cast Iron	Air - Outdoor
Conduit	Galvanized Steel	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Outdoor
Bolting (Structural)	Carbon and Low Alloy St	Air - Outdoor
Penetration sleeves	Carbon Steel	Groundwater/Soil
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Air - Outdoor
Penetration sleeves	Carbon Steel	Air - Outdoor
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Supports for ASME Class 1 Piping a	Stainless Steel	Treated Water
Bolting (Structural)	Galvanized Bolting	Water - Standing
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Equipment supports and foundation	Reinforced concrete	Air - Outdoor
Equipment supports and foundation	Reinforced concrete	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Doors	Glass	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Galvanized Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Steel	Air - Indoor, Uncontrolled
Cable Trays and Gutters	Aluminum	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Concrete
Concrete Embedments	Carbon Steel	Concrete
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Doors	Glass	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Aluminum	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor

Steel elements: (debris screens, gra	Stainless Steel	Treated Water
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Conduit	Galvanized Steel	Concrete
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutters, (	Grout	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Interior (Diaphragm Slab)	Reinforced concrete	Encased in Steel
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps	Stainless Steel	Concrete
Penetration sleeves: (includes caps	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Conduit	Galvanized Steel	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete: Foundation (accessible) (	Reinforced concrete	Air - Indoor, Uncontrolled
Tank Dikes	Soil	Groundwater/Soil
Roofing	Reinforced concrete	Water - Flowing
Roofing	Reinforced concrete	Water - Flowing
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Seismic Gap Filler	Elastomer	Air - Indoor, Uncontrolled
Steel elements: Sump liners, integr	Stainless Steel	Concrete
Bolting (Structural)	Carbon and Low Alloy St	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Supports for ASME Class 1 Piping &	Reinforced concrete	Air - Indoor, Uncontrolled
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Precast Panel	Reinforced concrete	Air - Outdoor

Concrete: Foundation (accessible) (	Reinforced concrete	Water - Flowing
Steel elements: diaphragm slab lin	Carbon Steel	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Outdoor
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Precast Panel	Reinforced concrete	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Sliding (support) surfaces	Lubrite	Air - Indoor, Uncontrolled
Steel elements: Sump liners, liner s	Carbon Steel	Air - Indoor, Uncontrolled
Supports for HVAC System Compon	Galvanized Bolting	Air - Outdoor
Supports for Platforms, Jet Impinge	Carbon Steel	Air - Outdoor
Supports for Racks, Panels, Cabine	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Columns (Spray Network	Reinforced concrete	Air - Outdoor
Concrete: Columns (Spray Network	Reinforced concrete	Water - Flowing
Concrete Embedments (Sluice Gate	Ductile Cast Iron	Concrete
Concrete Anchors	Stainless Steel Bolting	Air - Outdoor
Concrete: (Overflow Structure)	Reinforced concrete	Air - Outdoor
Concrete: (Overflow Structure)	Reinforced concrete	Water - Flowing
Concrete (Concrete Pipe Encaseme	Reinforced concrete	Water - Flowing
Concrete Anchors	Carbon and Low Alloy St	Concrete
Metal panels	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete Embedments	Carbon Steel	Concrete
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Personnel airlock, equipment hatch	Carbon Steel	Air - Indoor, Uncontrolled
Personnel airlock, equipment hatch	Carbon Steel	Air - Indoor, Uncontrolled
Personnel airlock, equipment hatch	Carbon Steel	Air - Indoor, Uncontrolled
Metal components: All structural me	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Treated Water
Steel elements: (Refueling Bellows	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Air - Indoor, Uncontrolled
Steel Components (Steel Columns i	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Precast Panel	Reinforced concrete	Water - Flowing
Roofing	Reinforced concrete	Air - Outdoor
Penetration sleeves	Carbon Steel	Concrete
Masonry walls: Above-grade exterio	Concrete Block	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Transmission Towers (includes take	Carbon Steel	Air - Outdoor
Penetration seals	Elastomer	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Concrete
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Outdoor

Miscellaneous steel (catwalks, stairs)	Carbon Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Metal components: All structural me	Carbon Steel	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Outdoor
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Raw Water
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Concrete
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Carbon Steel	Air - Outdoor
Doors	Carbon Steel	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Cable Trays and Gutters	Aluminum	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Metal panels: (Including Roofing Pa	Carbon Steel	Air - Indoor, Uncontrolled
Metal panels: (Including Roofing Pa	Galvanized Steel	Air - Outdoor
Metal panels: (Including Roofing Pa	Carbon Steel	Air - Outdoor
Metal panels: (Including Roofing Pa	Galvanized Steel	Air - Outdoor
Metal panels: (Including Roofing Pa	Galvanized Steel	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, C	Stainless Steel	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, C	Galvanized Bolting	Air - Outdoor
Supports for Cable Trays, Gutter, C	Elastomer	Air - Outdoor
Supports for Platforms, Jet Impinge	Concrete	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Tank Dikes	Soil	Air - Outdoor
Metal siding (includes metal roof pa	Carbon Steel	Air - Outdoor
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Outdoor
Supports for ASME Class 2 and 3 P	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Stainless Steel Bolting	Treated Water
Supports for HVAC System Compoi	Elastomer	Air - Indoor, Uncontrolled

Supports for Racks, Panels, Cabine	Reinforced concrete	Air - Indoor, Uncontrolled
Seismic Gap Filler	Elastomer	Air - Indoor, Uncontrolled
Bolting (Structural)	Aluminum	Air - Outdoor
Bolting (Structural)	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Air - Indoor, Uncontrolled
Cable Trays and Gutters	Carbon Steel	Air - Indoor, Uncontrolled
Compressible Joints and Seals (incl	Elastomer	Treated Water
Concrete: Below-grade interior (acc	Reinforced concrete	Water - Flowing
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Concrete: Below-grade interior (acc	Reinforced concrete	Water - Flowing
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Air - Outdoor
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Roofing: (Built Up Roofing)	Elastomer	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Seals, gaskets, and moisture barrier	Aluminum	Air - Outdoor
Steel elements: (Birdscreen)	Galvanized Bolting	Air - Outdoor
Steel elements: liner, liner anchors,	Stainless Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Galvanized Steel	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Steel elements: (Birdscreen)	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade (inaccessibl	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade (inaccessibl	Reinforced concrete	Water - Flowing
Concrete: Below-grade (inaccessibl	Reinforced concrete	Groundwater/Soil
Hatches/Plugs (including manhole c	Ductile Cast Iron	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Miscellaneous steel (ladders)	Galvanized Steel	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration sleeves	Carbon Steel	Groundwater/Soil
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Elastomer	Air - Outdoor
Insulation jacketing (includes integr	Galvanized Steel	Air - Outdoor
Insulation jacketing (includes integr	Caulking and lagging ad	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled

Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Supports for ASME Class 1 Piping a	Lubrite	Air - Indoor, Uncontrolled
Bolting (Structural)	Stainless Steel Bolting	Air - Outdoor
Bolting (Structural)	Stainless Steel Bolting	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Outdoor
Precast Panel	Reinforced concrete	Air - Outdoor
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Outdoor
Miscellaneous steel (catwalks, stairs	Carbon Steel	Air - Outdoor
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Outdoor
Blowout Panels	Carbon Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Metal components: All structural me	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements:(Drywell Head)	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Metal components: All structural me	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Stainless Steel	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutters, C	Concrete	Air - Outdoor
Metal components: Weir Plate	Stainless Steel	Raw Water
Metal components: Weir Plate	Stainless Steel	Air - Outdoor
Concrete: Containment Wall (acce	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Concrete
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps	Stainless Steel	Air - Indoor, Uncontrolled

Penetration sleeves: (includes caps	Carbon Steel	Treated Water
Penetration sleeves: (includes caps	Carbon Steel	Air - Indoor, Uncontrolled
Metal components: (Removable Sc	Stainless Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete Embedments	Carbon Steel	Treated Water
Concrete Embedments	Carbon Steel	Concrete
Tube Track	Stainless Steel	Air - Indoor, Uncontrolled
Sliding (support) surfaces	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows	Stainless Steel	Treated Water
Bolting (Containment Closure)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Steel elements: Downcomers and B	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: (birdscreen)	Galvanized Steel	Air - Outdoor
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Pipe Whip Restraints and Jet Impin	Carbon Steel	Air - Indoor, Uncontrolled
Precast Panel	Reinforced concrete	Air - Outdoor
Roofing	Reinforced concrete	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Steel elements: Reactor Well, Drye	Stainless Steel	Air - Indoor, Uncontrolled
Hatches/Plugs (includes manhole c	Carbon Steel	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Conduit	Galvanized Steel	Concrete
Steel elements: liner(ump), integra	Stainless Steel	Concrete
Steel elements: liner(ump), integra	Stainless Steel	Air - Indoor, Uncontrolled
Precast Panel	Reinforced concrete	Air - Outdoor
Concrete Embedments	Galvanized Steel	Air - Indoor, Uncontrolled
Tube Track	Stainless Steel	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Insulation	Foamed Plastic (includes	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Outdoor
Metal siding	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Containment Wall (inacce	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Containment Wall (inacce	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Containment Wall (inacce	Reinforced concrete	Air - Indoor, Uncontrolled
Manholes, & Duct Banks	Reinforced concrete	Air - Outdoor
Manholes, & Duct Banks	Reinforced concrete	Groundwater/Soil
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Above-grade exterior and	Reinforced concrete	Air - Outdoor
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Outdoor

Penetration seals	Grout	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Metal panels	Carbon Steel	Air - Indoor, Uncontrolled
Seismic Gap Filler	Elastomer	Air - Indoor, Uncontrolled
Supports for ASME Class 2 and 3 P	Reinforced concrete	Air - Outdoor
Supports for ASME Class 2 and 3 P	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Water - Flowing
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Outdoor
Concrete Curbs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Metal panels: (Including Roofing Pa	Carbon Steel	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Foundation (accessible) (	Reinforced concrete	Water - Flowing
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Precast Panel	Reinforced concrete	Air - Outdoor
Precast Panel	Reinforced concrete	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Aluminum	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Supports for HVAC System Compon	Galvanized Bolting	Air - Outdoor
Supports for HVAC System Compon	Galvanized Steel	Air - Indoor, Uncontrolled
Supports for Platforms, Jet Impinge	Carbon and Low Alloy St	Air - Outdoor
Supports for Platforms, Jet Impinge	Carbon Steel	Air - Indoor, Uncontrolled
Supports for Racks, Panels, Cabine	Galvanized Bolting	Air - Outdoor
Supports for Racks, Panels, Cabine	Carbon and Low Alloy St	Air - Outdoor
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Concrete

Concrete Anchors	Stainless Steel Bolting	Raw Water
Concrete Anchors	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barriers	Elastomer	Raw Water
Concrete: (Overflow Structure)	Reinforced concrete	Water - Flowing
Concrete: (Overflow Structure)	Reinforced concrete	Air - Outdoor
Concrete: (Overflow Structure)	Reinforced concrete	Air - Outdoor
Concrete (Concrete Pipe Encasement)	Reinforced concrete	Air - Outdoor
Metal panels	Aluminum	Air - Indoor, Uncontrolled
Electrical Penetration Assembly	Carbon Steel	Air - Indoor, Uncontrolled
Electrical Penetration Assembly	Carbon Steel	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Metal decking	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Outdoor
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Precast Panel	Reinforced concrete	Air - Outdoor
Windows (includes Glass Panels)	Glass	Air - Outdoor
Concrete: Foundation (accessible)	Reinforced concrete	Air - Outdoor
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Seismic Gap Filler	Elastomer	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Roofing	Elastomer	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Stainless Steel	Air - Indoor, Uncontrolled
Hatches/Plugs (including manhole covers)	Ductile Cast Iron	Air - Outdoor
Conduit	Galvanized Steel	Concrete
Seals, gaskets, and moisture barriers	Elastomer	Air - Outdoor
Seals, gaskets, and moisture barriers	Elastomer	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy Steel	Air - Outdoor
Bolting (Structural)	Carbon and Low Alloy Steel	Air - Outdoor
Bolting (Structural)	Stainless Steel	Air - Outdoor
Penetration seals	Elastomer	Air - Outdoor
Penetration seals	Grout	Groundwater/Soil
Penetration sleeves	Carbon Steel	Groundwater/Soil
Penetration sleeves	Carbon Steel	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Outdoor
Masonry walls: Above-grade exterior	Concrete Block	Air - Indoor, Uncontrolled
Hatches/Plugs (includes manhole covers)	Ductile Cast Iron	Air - Outdoor
Concrete: Below-grade interior (accessible)	Reinforced concrete	Air - Outdoor
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barriers	Elastomer	Air - Outdoor
Miscellaneous steel (catwalks, stairs)	Aluminum	Air - Outdoor
Concrete Curbs	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Water - Flowing
Bolting (Structural)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled

Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration sleeves	Carbon Steel	Air - Outdoor
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Outdoor
Insulation (support collars and faste	Carbon Steel	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Metal decking	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements: (debris screens, gra	Stainless Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Equipment supports and foundation	Reinforced concrete	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Stainless Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Galvanized Steel	Air - Outdoor
Concrete Curbs	Reinforced concrete	Air - Outdoor
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Interior (Diaphragm Slab)	Reinforced concrete	Encased in Steel
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Concrete
Penetration sleeves: (includes caps	Carbon Steel	Treated Water
Penetration sleeves: (includes caps	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps	Stainless Steel	Concrete
Penetration sleeves: (includes caps	Stainless Steel	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps	Carbon Steel	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, C	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, C	Galvanized Bolting	Air - Outdoor
Supports for Cable Trays, Gutter, C	Galvanized Bolting	Air - Indoor, Uncontrolled
Supports for Cable Trays, Gutter, C	Galvanized Steel	Air - Indoor, Uncontrolled
Supports for HVAC System Compon	Concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Equipment Foundation (a	Reinforced concrete	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Conduit	Galvanized Steel	Air - Outdoor
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled

Concrete Anchors	Carbon and Low Alloy Steel	Concrete
Concrete Curbs	Reinforced concrete	Water - Flowing
Metal siding (includes metal roof panels)	Aluminum	Air - Outdoor
Supports for ASME Class 2 and 3 Piping	Galvanized Bolting	Air - Outdoor
Supports for Racks, Panels, Cabinets	Grout	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Blowout Panels	Galvanized Steel	Air - Indoor, Uncontrolled
Bolting (Vacuum Relief Valve Bolted)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Aluminum	Air - Indoor, Uncontrolled
Bolting (Structural)	Aluminum	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Compressible Joints and Seals (includes)	Elastomer	Air - Indoor, Uncontrolled
Concrete: Below-grade interior (access)	Reinforced concrete	Water - Flowing
Concrete Anchors	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (access)	Reinforced concrete	Air - Outdoor
Insulation	Min-K	Air - Indoor, Uncontrolled
Insulation	Ceramic Fiber	Air - Indoor, Uncontrolled
Insulation	Foamed Plastic (includes)	Air - Outdoor
Insulation	Insulation cement and fire	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Metal decking	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Equipment Foundation (inaccess)	Reinforced concrete	Groundwater/Soil
Cable Trays and Gutters	Aluminum	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Carbon Steel	Air - Outdoor
Concrete: Above-grade exterior and	Reinforced concrete	Water - Flowing
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Cable Trays and Gutters	Aluminum	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Groundwater/Soil
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Metal panels	Carbon Steel	Air - Indoor, Uncontrolled
Insulation jacketing (includes integrat)	Plastic mastic jacketing	Air - Outdoor
Seismic Gap Filler	Elastomer	Air - Outdoor
Seismic Gap Filler	Elastomer	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (access)	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (access)	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (inaccess)	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (inaccess)	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (inaccess)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Metal components: All structural me	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil

Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (accessibility)	Reinforced concrete	Air - Outdoor
Supports for ASME Class 1 Piping & Equipment	Stainless Steel	Treated Water
Concrete: Foundation (inaccessibility)	Reinforced concrete	Water - Flowing
Bolting (Structural)	Stainless Steel Bolting	Raw Water
Cable Trays and Gutters	Aluminum	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Carbon Steel	Air - Outdoor
Steel Components (Bus Duct)	Galvanized Steel	Air - Outdoor
Equipment supports and foundation	Reinforced concrete	Groundwater/Soil
Equipment supports and foundation	Reinforced concrete	Groundwater/Soil
Precast Panel	Reinforced concrete	Air - Outdoor
Concrete: Foundation (inaccessibility)	Reinforced concrete	Groundwater/Soil
Miscellaneous steel (catwalks, stairs)	Carbon Steel	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs)	Aluminum	Air - Outdoor
Miscellaneous steel (catwalks, stairs)	Aluminum	Air - Indoor, Uncontrolled
Blowout Panels	Aluminum	Air - Outdoor
Bolting (Structural)	Galvanized Steel	Air - Outdoor
Bolting (Structural)	Galvanized Steel	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy Steel	Concrete
Concrete: Above-grade exterior (accessibility)	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (inaccessibility)	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (inaccessibility)	Reinforced concrete	Water - Flowing
Concrete Embedments (Sluice Gate)	Ductile Cast Iron	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Concrete: (Overflow Structure)	Reinforced concrete	Air - Outdoor
Concrete (Concrete Pipe Encasement)	Reinforced concrete	Groundwater/Soil
Roofing	Elastomer	Air - Outdoor
Concrete: Below-grade exterior (inaccessibility)	Reinforced concrete	Groundwater/Soil
Concrete: Above-grade exterior (accessibility)	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (inaccessibility)	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (inaccessibility)	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Cable Trays and Gutters	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Treated Water
Personnel airlock, equipment hatch	Carbon Steel	Air - Indoor, Uncontrolled
Personnel airlock, equipment hatch	Carbon Steel	Air - Indoor, Uncontrolled
Tube Track	Stainless Steel	Air - Indoor, Uncontrolled
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements: (Seal Plate)	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: (Seal Plate)	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows)	Stainless Steel	Air - Indoor, Uncontrolled
Steel Components (Reactor Shield)	Carbon Steel	Air - Indoor, Uncontrolled
Steel Components (Reactor Shield)	Carbon Steel	Air - Indoor, Uncontrolled
Bolting (Containment Closure)	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled

Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Concrete
Penetration sleeves	Galvanized Steel	Air - Indoor, Uncontrolled
Pipe Whip Restraints and Jet Impin	Carbon Steel	Air - Indoor, Uncontrolled
Precast Panel	Reinforced concrete	Air - Outdoor
Roofing	Reinforced concrete	Air - Outdoor
Roofing	Reinforced concrete	Water - Flowing
Roofing	Reinforced concrete	Air - Outdoor
Roofing	Reinforced concrete	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Outdoor
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Spent fuel pool gates	Stainless Steel	Treated Water
Steel elements: Fuel pool liners, int	Stainless Steel	Concrete
Hatches/Plugs (includes manhole c	Galvanized Steel	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Supports for ASME Class 2 and 3 P	Carbon Steel	Air - Outdoor
Supports for ASME Class 2 and 3 P	Carbon Steel	Treated Water
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Concrete
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Penetration seals	Grout	Air - Outdoor
Steel Components: (Floor Drains)	Ductile Cast Iron	Concrete
Concrete Embedments	Galvanized Steel	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Miscellaneous steel (catwalks, stairs	Aluminum	Air - Outdoor
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration sleeves	Carbon Steel	Concrete
Concrete Embedments	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Galvanized Steel	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy St	Air - Outdoor
Insulation (support collars and faste	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil

Doors	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Cable Trays and Gutters	Aluminum	Air - Outdoor
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (accessible):	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ina	Reinforced concrete	Air - Outdoor
Concrete: Foundation (accessible) (	Reinforced concrete	Water - Flowing
Concrete: Foundation (accessible) (	Reinforced concrete	Water - Flowing
Concrete: Foundation (accessible) (	Reinforced concrete	Water - Flowing
Downcomer Jet Deflectors	Carbon Steel	Air - Indoor, Uncontrolled
Tube Track	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration sleeves	Carbon Steel	Air - Indoor, Uncontrolled
Roofing (Built Up Roofing)	Elastomer	Air - Outdoor
Sliding (support) surfaces	Stainless Steel	Air - Indoor, Uncontrolled
Tube Track (instrument tray or race	Galvanized Steel	Air - Indoor, Uncontrolled
Supports for HVAC System Compon	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Supports for HVAC System Compon	Carbon Steel	Air - Indoor, Uncontrolled
Supports for Racks, Panels, Cabine	Galvanized Bolting	Air - Outdoor
Concrete: Columns (Spray Network	Reinforced concrete	Air - Outdoor
Concrete Embedments	Carbon Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Air - Outdoor
Concrete Embedments	Galvanized Steel	Concrete
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Electrical Penetration Assembly	Elastomer	Air - Indoor, Uncontrolled
Electrical Penetration Assembly	Stainless Steel	Air - Indoor, Uncontrolled
Electrical Penetration Assembly	Elastomer	Air - Indoor, Uncontrolled
Electrical Penetration Assembly	Stainless Steel	Air - Indoor, Uncontrolled
Metal components: All structural me	Carbon Steel	Air - Indoor, Uncontrolled
Doors	Glass	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Aluminum	Air - Outdoor
Penetration seals	Elastomer	Air - Outdoor
Precast Panel	Reinforced concrete	Water - Flowing
Roofing: (Scuppers)	Galvanized Steel	Air - Outdoor
Windows (includes Glass Panels)	Glass	Air - Indoor, Uncontrolled

Steel elements: (Birdscreen)	Galvanized Steel	Air - Outdoor
Concrete: Foundation (accessible)	Reinforced concrete	Air - Outdoor
Concrete: Foundation (accessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (accessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Steel elements: liner, liner anchors,	Carbon Steel	Treated Water
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete Embedments	Galvanized Steel	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Steel elements: (Birdscreen)	Galvanized Steel	Air - Outdoor
Doors (Reactor Shield Doors and PI	Concrete	Encased in Steel
Miscellaneous steel (catwalks, stairs)	Aluminum	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Penetration seals	Grout	Air - Outdoor
Penetration sleeves	Carbon Steel	Concrete
Penetration sleeves	Carbon Steel	Air - Outdoor
Penetration sleeves	Carbon Steel	Concrete
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Concrete: Below-grade interior (acc	Reinforced concrete	Air - Outdoor
Steel Components (RPV Stabilizer)	Carbon Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Outdoor
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Outdoor
Penetration sleeves	Galvanized Steel	Concrete
Conduit	Galvanized Steel	Concrete
Miscellaneous steel (catwalks, stairs)	Carbon Steel	Air - Indoor, Uncontrolled
Concrete Curbs	Reinforced concrete	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Outdoor
Doors	Carbon Steel	Air - Outdoor
Concrete Embedments	Carbon Steel	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Interior	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing

Roofing	Elastomer	Air - Outdoor
Miscellaneous steel (catwalks, stairs)	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Air - Outdoor
Penetration sleeves	Carbon Steel	Concrete
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Concrete
Supports for Cable Trays, Gutters, C	Grout	Air - Indoor, Uncontrolled
Concrete: Interior (Pedestal)	Reinforced concrete	Encased in Steel
Concrete: Interior (Pedestal)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior (Pedestal)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Carbon Steel	Concrete
Steel elements: liner, liner anchors,	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: liner, liner anchors,	Stainless Steel	Concrete
Penetration sleeves: (includes caps	Carbon Steel	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps	Carbon Steel; dissimilar	Air - Indoor, Uncontrolled
Penetration sleeves: (includes caps	Carbon Steel	Concrete
Penetration sleeves: (includes caps	Carbon Steel	Treated Water
Concrete Embedments	Carbon Steel	Concrete
Supports for Cable Trays, Gutter, C	Carbon Steel	Air - Indoor, Uncontrolled
Supports for HVAC System Compon	Grout	Air - Indoor, Uncontrolled
Supports for HVAC System Compon	Grout	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Concrete
Concrete: Foundation (accessible) (	Reinforced concrete	Air - Outdoor
Concrete: Foundation (accessible) (	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Foundation (accessible) (	Reinforced concrete	Air - Outdoor
Metal components: All structural me	Carbon Steel	Air - Outdoor
Metal siding (includes metal roof pa	Aluminum	Air - Outdoor
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Outdoor
Supports for ASME Class 2 and 3 P	Stainless Steel	Treated Water
Supports for ASME Class 2 and 3 P	Stainless Steel	Air - Outdoor
Supports for ASME Class 2 and 3 P	Galvanized Steel	Air - Outdoor
Supports for Racks, Panels, Cabine	Reinforced concrete	Air - Outdoor
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Blowout Panels	Galvanized Steel	Air - Outdoor
Blowout Panels	Galvanized Steel	Air - Outdoor
Metal decking	Galvanized Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Galvanized Steel	Air - Outdoor
Concrete: Containment Wall (inacce	Reinforced concrete	Air - Indoor, Uncontrolled
Manholes, & Duct Banks	Reinforced concrete	Water - Flowing
Metal components: All structural me	Carbon Steel	Concrete

Metal components: All structural me	Carbon Steel	Air - Outdoor
Metal components: All structural me	Carbon Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior and	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior and	Reinforced concrete	Water - Flowing
Concrete: Above-grade exterior and	Reinforced concrete	Air - Outdoor
Miscellaneous steel (catwalks, stairs	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration seals	Elastomer	Air - Indoor, Uncontrolled
Masonry walls: Above-grade exterio	Concrete Block	Air - Outdoor
Insulation jacketing (includes integr	Galvanized Steel	Air - Outdoor
Insulation jacketing (includes integr	Galvanized Steel	Air - Indoor, Uncontrolled
Insulation jacketing (includes integr	Aluminum	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Below-grade exterior (ina	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Carbon Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barrier	Elastomer	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Water - Flowing
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Supports for ASME Class 1 Piping a	Stainless Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Galvanized Bolting	Water - Standing
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Bolting (Structural)	Galvanized Bolting	Air - Outdoor
Bolting (Structural)	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Seismic Gap Filler	Elastomer	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Outdoor
Conduit	Galvanized Steel	Concrete
Precast Panel	Reinforced concrete	Air - Indoor, Uncontrolled
Penetration sleeves	Carbon Steel	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Roofing: (Built up Roofing)	Elastomer	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy St	Air - Indoor, Uncontrolled
Miscellaneous steel (catwalks, stairs	Aluminum	Air - Indoor, Uncontrolled
Seismic Gap Filler	Elastomer	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy St	Air - Outdoor
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Concrete: Below-grade exterior (ina	Reinforced concrete	Groundwater/Soil
Doors	Carbon Steel	Air - Indoor, Uncontrolled
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Masonry walls: Interior	Concrete Block	Air - Indoor, Uncontrolled
Metal decking	Galvanized Steel	Air - Indoor, Uncontrolled
Steel elements: liner (sump), integr	Stainless Steel	Air - Indoor, Uncontrolled
Steel elements:(Drywell Head)	Carbon Steel	Air - Indoor, Uncontrolled

Earthen water-control structures: (E	Soil, rip-rap, sand, gravel	Water - Flowing
Concrete: (Intake Area Slab)	Reinforced concrete	Water - Flowing
Blowout Panels	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Raw Water
Concrete Anchors	Stainless Steel Bolting	Air - Indoor, Uncontrolled
Concrete Anchors	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barriers	Elastomer	Air - Outdoor
Concrete: (Overflow Structure)	Reinforced concrete	Water - Flowing
Concrete: (Overflow Structure)	Reinforced concrete	Water - Flowing
Concrete (Concrete Pipe Encasement)	Reinforced concrete	Water - Flowing
Roofing: (Scuppers)	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (access)	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete: Above-grade exterior (access)	Reinforced concrete	Air - Outdoor
Concrete: Above-grade exterior (access)	Reinforced concrete	Air - Outdoor
Concrete: Below-grade exterior (inaccess)	Reinforced concrete	Groundwater/Soil
Tube Track	Stainless Steel	Air - Indoor, Uncontrolled
Tube Track	Galvanized Steel	Air - Indoor, Uncontrolled
Concrete: Interior	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Treated Water
Concrete Embedments	Carbon Steel	Treated Water
Concrete Embedments	Carbon Steel	Treated Water
Personnel airlock, equipment hatch	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows)	Carbon Steel	Air - Indoor, Uncontrolled
Steel elements: (Refueling Bellows)	Carbon Steel	Air - Indoor, Uncontrolled
Metal components: (Permanent Dry)	Lead	Air - Indoor, Uncontrolled
Steel elements: (birdscreen)	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Carbon Steel	Air - Indoor, Uncontrolled
Panels, Racks, Cabinets, and Other	Galvanized Steel	Air - Indoor, Uncontrolled
Penetration seals	Grout	Air - Indoor, Uncontrolled
Penetration sleeves	Galvanized Steel	Concrete
Steel elements: Reactor Well, Dry	Stainless Steel	Treated Water
Roofing: (Scuppers)	Galvanized Steel	Air - Outdoor
Tube Track	Carbon Steel	Air - Indoor, Uncontrolled
Bolting (Structural)	Aluminum	Air - Outdoor
Seals, gaskets, and moisture barriers	Elastomer	Air - Outdoor
Conduit	Galvanized Steel	Air - Outdoor
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Conduit	Galvanized Steel	Air - Outdoor
Conduit	Galvanized Steel	Air - Indoor, Uncontrolled
Seals, gaskets, and moisture barriers	Elastomer	Air - Outdoor
Roofing: (Built up Roofing)	Elastomer	Air - Outdoor
Hatches/Plugs	Reinforced concrete	Air - Indoor, Uncontrolled
Concrete Embedments	Carbon Steel	Air - Outdoor
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Tube Track	Stainless Steel	Air - Indoor, Uncontrolled
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete: Foundation (inaccessible)	Reinforced concrete	Groundwater/Soil
Concrete Anchors	Carbon and Low Alloy Steel	Air - Outdoor
Concrete Anchors	Carbon and Low Alloy Steel	Air - Indoor, Uncontrolled

Penetration seals	Elastomer	Air - Outdoor
Penetration seals	Grout	Groundwater/Soil
Penetration seals	Grout	Air - Outdoor
Steel Components: (Floor Drains)	Ductile Cast Iron	Air - Outdoor
Concrete Embedments	Carbon Steel	Concrete
Concrete: Above-grade exterior (ac	Reinforced concrete	Air - Outdoor
Insulation	NUKON	Air - Indoor, Uncontrolled
Bolting (Structural)	Carbon and Low Alloy St	Air - Outdoor

Intended Function	Aging Effect	Aging Program
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Cumulative Fatigue Damage	TLAA
Mechanical Closure	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Structural Support		None
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Cumulative Fatigue Damage	TLAA
Leakage Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip

Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary		None
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Hardening and Loss of Strength	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary		None
Pressure Boundary		None
Leakage Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Heat Transfer	Reduction of Heat Transfer	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Fracture Toughness	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)

Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Spray	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Spray		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Fire Barrier	Concrete cracking and spalling	Fire Protection (B.2.1.17)
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Aboveground Metallic Tanks (B.2.1.19)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)

Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Heat Transfer	Reduction of Heat Transfer	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Structural Support		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary		None
Leakage Boundary		None
Structural Support		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Filter		None
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary		None

Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Cracking	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Cumulative Fatigue Damage	TLLA
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support		None
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)

Leakage Boundary		None
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Structural Support		None
Pressure Boundary		None
Leakage Boundary		None
Heat Transfer	Reduction of Heat Transfer	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Filter		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary		None
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Heat Transfer	Reduction of Heat Transfer	Closed Treated Water Systems (B.2.1.13)
Heat Transfer	Reduction of Heat Transfer	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Filter		None
Filter	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Cumulative Fatigue Damage	TLAA
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)

Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Fire Protection (B.2.1.17)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Fire Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Fire Barrier	Cracking	Fire Protection (B.2.1.17)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)

Pressure Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Filter	Loss of Material	Fire Water System (B.2.1.18)
Direct Flow	Loss of Material or Loss of Form	Structures Monitoring (B.2.1.35)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Pressure Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)

Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Structural Support		None
Structural Support		None
Structural Support		None
Structural Support		None
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary		None
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Fire Barrier	Concrete cracking and spalling	Fire Protection (B.2.1.17)
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary		None
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Pressure Boundary	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Leakage Boundary		None
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Heat Transfer	Reduction of Heat Transfer	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary		None
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip

Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Heat Transfer	Reduction of Heat Transfer	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	BWR Reactor Water Cleanup System (B.2.1.16)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Heat Transfer	Reduction of Heat Transfer	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Throttle	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)

Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Cracking	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Heat Transfer	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Spray	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Heat Transfer	Reduction of Heat Transfer	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)

Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Throttle	Loss of Material	One-Time Inspection (B.2.1.22)
Throttle		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary		None
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary		None
Pressure Boundary	Cracking	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None

Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Fire Water System (B.2.1.18)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Spray	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Spray	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Spray	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Fire Protection (B.2.1.17)
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Heat Transfer	Reduction of Heat Transfer	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Heat Transfer	Reduction of Heat Transfer	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)

Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Structural Support		None
Pressure Boundary		None
Heat Transfer	Reduction of Heat Transfer	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cumulative Fatigue Damage	TLAA
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Heat Transfer	Reduction of Heat Transfer	Open-Cycle Cooling Water System (B.2.1.12)
Heat Transfer	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None

Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Pressure Boundary		None
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Fire Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary		None
Leakage Boundary		None
Pressure Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Structural Support		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Cracking	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Filter	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Structural Support	Loss of Preload	Inspection of Overhead Heavy Load and Light Load

Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support		None
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary		None
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Spray		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary		None
Fire Barrier	Hardening and Loss of Strength	Fire Protection (B.2.1.17)
Fire Barrier	Concrete cracking and spalling	Fire Protection (B.2.1.17)
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Fire Barrier	Concrete cracking and spalling	Structures Monitoring (B.2.1.35)
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo

Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Heat Transfer	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support		None
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Pressure Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Pressure Boundary		None
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)

Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Spray	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Heat Transfer	Reduction of Heat Transfer	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo

Leakage Boundary		None
Pressure Boundary	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Pressure Boundary	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Filter	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Preload	Inspection of Overhead Heavy Load and Light Load
Structural Support		None
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Structural Support	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Structural Support	Loss of Preload	Inspection of Overhead Heavy Load and Light Load
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)

Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Fire Barrier	Cracking	Fire Protection (B.2.1.17)
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.29)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Spray	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Spray	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Spray	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Fire Barrier	Cracking and spalling	Structures Monitoring (B.2.1.35)
Pressure Boundary		None
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.29)
Filter	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.29)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)

Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Cumulative Fatigue Damage	TLAA
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	BWR Reactor Water Cleanup System (B.2.1.16)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Heat Transfer	Reduction of Heat Transfer	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Throttle	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Structural Support		None
Pressure Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)

Pressure Boundary		None
Pressure Boundary		None
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Spray	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.29)
Fire Barrier	Cracking and spalling	Fire Protection (B.2.1.17)
Fire Barrier	Concrete cracking and spalling	Structures Monitoring (B.2.1.35)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Filter	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.29)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Heat Transfer	Reduction of Heat Transfer	Closed Treated Water Systems (B.2.1.13)
Fire Barrier	Concrete cracking and spalling	Structures Monitoring (B.2.1.35)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip

Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Heat Transfer	Reduction of Heat Transfer	Inspection of Internal Surfaces in Miscellaneous Pip
Filter	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Heat Transfer	Reduction of Heat Transfer	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary		None
Filter		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Throttle	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary		None
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary		None
Leakage Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip

Leakage Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Absorb Neutrons	Reduction of Neutron Absorbing	Monitoring of Neutron-Absorbing Materials Other Th
Structural Support		None
Leakage Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Pressure Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary		None
Structural Support		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Fire Barrier	Cracking	Fire Protection (B.2.1.17)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Leakage Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Heat Transfer		None
Pressure Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)

Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support		None
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Heat Transfer	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Pressure Boundary		None
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary		None
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Heat Transfer	Reduction of Heat Transfer	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo

Leakage Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Fire Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Pressure Boundary	Loss of Material	Aboveground Metallic Tanks (B.2.1.19)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Fire Protection (B.2.1.17)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cumulative Fatigue Damage	TCAA
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Heat Transfer	Reduction of Heat Transfer	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Heat Transfer	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)

Heat Transfer	Reduction of Heat Transfer	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Spray	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Pressure Boundary	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip

Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support	Loss of Preload	Inspection of Overhead Heavy Load and Light Load
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Structural Support	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	Inspection of Overhead Heavy Load and Light Load
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Heat Transfer		None
Pressure Boundary		None
Fire Barrier	Loss of Material	Fire Protection (B.2.1.17)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary		None
Structural Support	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Compressed Air Monitoring (B.2.1.15)
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)

Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Filter		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Heat Transfer	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Filter		None
Pressure Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Pressure Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Spray		None
Spray		None

Pressure Boundary		None
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Fire Protection (B.2.1.17)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Fuel Oil Chemistry (B.2.1.20)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Fire Water System (B.2.1.18)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Heat Transfer	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Heat Transfer	Reduction of Heat Transfer	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Heat Transfer	Reduction of Heat Transfer	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Electrical Continuity	Reduced Insulation Resistance	Insulation Material for Electrical Cables and Connec
Electrical Continuity	Reduced Insulation Resistance	Inaccessible Power Cables Not Subject to 10 CFR 5
Electrical Continuity		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)

Electrical Continuity		None
Electrical Continuity	Various Aging Effects	Environmental Qualification (EQ) of Electric Comp
Electrical Continuity		None
Electrical Continuity	Increased Resistance of Connec	Metal Enclosed Bus (B.2.1.41)
Insulate (Electrical)	Reduced Insulation Resistance	Metal Enclosed Bus (B.2.1.41)
Insulate (Electrical)		None
Insulate (Electrical)		None
Shelter, Protection	Surface Cracking, Crazing, Scuff	Metal Enclosed Bus (B.2.1.41)
Electrical Continuity	Increased Resistance of Connec	Electrical Cable Connections Not Subject to 10 CFF
Insulate (Electrical)		None
Insulate (Electrical)		None
Shelter, Protection		None
Insulate (Electrical)		None
Electrical Continuity		None
Electrical Continuity		None
Electrical Continuity	Increased Resistance of Connec	Fuse Holders (B.2.1.42)
Insulate (Electrical)		None
Electrical Continuity	Reduced Insulation Resistance	Insulation Material for Electrical Cables and Connec
Electrical Continuity	Increased Resistance of Connec	Fuse Holders (B.2.1.42)
Heat Transfer	Reduction of Heat Transfer	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cumulative Fatigue Damage	TLLA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Comp
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Comp
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Comp
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)

Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cumulative Fatigue Damage	TLLA
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Heat Transfer	Reduction of Heat Transfer	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Throttle	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Filter	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Filter	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary		None
Pressure Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Heat Transfer	Reduction of Heat Transfer	Water Chemistry (B.2.1.2)
Heat Transfer	Reduction of Heat Transfer	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Heat Transfer	Reduction of Heat Transfer	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Filter	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip

Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Spray	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Heat Transfer	Reduction of Heat Transfer	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Throttle	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary		None
Leakage Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Filter	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Hardening and Loss of Strength	Inspection of Internal Surfaces in Miscellaneous Pip
Heat Transfer	Reduction of Heat Transfer	Lubricating Oil Analysis (B.2.1.27)
Heat Transfer	Reduction of Heat Transfer	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)

Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Filter	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary		None
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Throttle	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Heat Transfer	Loss of Material	One-Time Inspection (B.2.1.22)
Heat Transfer	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)

Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Filter	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary		None
Filter	Loss of Material	Water Chemistry (B.2.1.2)
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Throttle	Loss of Material	One-Time Inspection (B.2.1.22)
Throttle		None
Heat Transfer	Reduction of Heat Transfer	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Heat Transfer	Loss of Material	Lubricating Oil Analysis (B.2.1.27)

Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Pressure Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Filter	Loss of Material	Water Chemistry (B.2.1.2)
Filter	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Material	External Surfaces Monitoring of Mechanical Compo

Pressure Boundary		None
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Heat Transfer	Reduction of Heat Transfer	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Filter	Loss of Material	Water Chemistry (B.2.1.2)
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Leakage Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Heat Transfer	Reduction of Heat Transfer	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Pressure Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Heat Transfer	Reduction of Heat Transfer	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Throttle	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Throttle	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip

Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Filter	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Filter	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)

Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	One-Time Inspection (B.2.1.22)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Throttle	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Throttle	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Throttle	Loss of Material	Water Chemistry (B.2.1.2)
Heat Transfer	Reduction of Heat Transfer	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Heat Transfer	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Selective Leaching (B.2.1.23)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)

Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Throttle		None
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Cumulative Fatigue Damage	TAA
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Spray		None
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Throttle		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Cumulative Fatigue Damage	TAA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Heat Transfer	Reduction of Heat Transfer	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)

Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Throttle	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Cumulative Fatigue Damage	TLLA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Throttle	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Structural Support	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Cumulative Fatigue Damage	TLLA
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Filter	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)

Structural Support to maintain	Cracking	Water Chemistry (B.2.1.2)
Structural Support to maintain	Cracking	Water Chemistry (B.2.1.2)
Structural Support to maintain	Cracking	BWR Vessel Internals (B.2.1.9)
Structural Support	Loss of Material	BWR Vessel Internals (B.2.1.9)
Direct Flow	Loss of Material	BWR Vessel Internals (B.2.1.9)
Structural Support to maintain	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Fracture Toughness	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Loss of Material	BWR Vessel Internals (B.2.1.9)
Throttle	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow (Thermal Sleeve)	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TCAA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Direct Flow	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow	Loss of Material	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cumulative Fatigue Damage	TCAA
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Structural Support to maintain	Loss of Material	BWR Vessel Internals (B.2.1.9)
Structural Support to maintain	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TCAA
Direct Flow (Thermal Sleeve)	Cracking	BWR Vessel Internals (B.2.1.9)
Direct Flow (Thermal Sleeve)	Loss of Material	One-Time Inspection (B.2.1.22)
Direct Flow (Thermal Sleeve)	Loss of Material	One-Time Inspection (B.2.1.22)
Direct Flow (Thermal Sleeve)	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Structural Support	Cracking	BWR Vessel Internals (B.2.1.9)
Structural Support	Cracking	Water Chemistry (B.2.1.2)
Direct Flow	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow	Cracking	BWR Vessel Internals (B.2.1.9)
Structural Support to maintain	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Loss of Material	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	BWR Penetrations (B.2.1.8)
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Components
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)

Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to mainta	Cracking	BWR Vessel Internals (B.2.1.9)
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	One-time Inspection of ASME Code Class 1 Small-I
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary		None
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Structural Support to mainta	Cracking	BWR Vessel ID Attachment Welds (B.2.1.4)
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to mainta	Cracking	Water Chemistry (B.2.1.2)
Structural Support to mainta	Cracking	Water Chemistry (B.2.1.2)
Structural Support to mainta	Loss of Material	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Direct Flow (Thermal Sleeve	Loss of Material	One-Time Inspection (B.2.1.22)
Direct Flow (Thermal Sleeve	Cracking	Water Chemistry (B.2.1.2)
Direct Flow (Thermal Sleeve	Cracking	Water Chemistry (B.2.1.2)
Direct Flow (Thermal Sleeve	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Direct Flow (Thermal Sleeve	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Closed Treated Water Systems (B.2.1.13)
Pressure Boundary		None
Pressure Boundary	Cracking	BWR Penetrations (B.2.1.8)
Structural Support to mainta	Loss of Material	BWR Vessel Internals (B.2.1.9)
Structural Support to mainta	Cumulative Fatigue Damage	TLAA
Structural Support to mainta	Cracking	Water Chemistry (B.2.1.2)
Structural Support	Cracking	BWR Vessel Internals (B.2.1.9)
Direct Flow	Cracking	Water Chemistry (B.2.1.2)

Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Throttle		None
Throttle	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Direct Flow	Cracking	BWR Vessel Internals (B.2.1.9)
Direct Flow	Loss of Fracture Toughness	BWR Vessel Internals (B.2.1.9)
Direct Flow	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow	Loss of Material	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Cumulative Fatigue Damage	TLAA
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary		None
Structural Support to mainta	Cracking	Water Chemistry (B.2.1.2)
Structural Support to mainta	Cumulative Fatigue Damage	TLAA
Structural Support to mainta	Loss of Material	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Comp
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	One-time Inspection of ASME Code Class 1 Small-I
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to mainta	Cracking	Water Chemistry (B.2.1.2)
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to mainta	Cumulative Fatigue Damage	TLAA
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cracking	One-time Inspection of ASME Code Class 1 Small-I
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary		None
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections

Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support to maintain	Cracking	Water Chemistry (B.2.1.2)
Structural Support to maintain	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	BWR Vessel Internals (B.2.1.9)
Direct Flow	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Preload	BWR Vessel Internals (B.2.1.9)
Throttle	Loss of Material	Water Chemistry (B.2.1.2)
Throttle	Cracking	One-Time Inspection (B.2.1.22)
Throttle	Loss of Material	One-Time Inspection (B.2.1.22)
Direct Flow (Thermal Sleeve)	Loss of Material	One-Time Inspection (B.2.1.22)
Direct Flow (Thermal Sleeve)	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary		None
Direct Flow	Loss of Material	BWR Vessel Internals (B.2.1.9)
Direct Flow	Loss of Fracture Toughness	BWR Vessel Internals (B.2.1.9)
Direct Flow	Cracking	Water Chemistry (B.2.1.2)
Direct Flow	Cracking	BWR Vessel Internals (B.2.1.9)
Structural Support	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Cumulative Fatigue Damage	TLAA
Structural Support to maintain	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Structural Support to maintain	Cracking	BWR Vessel ID Attachment Welds (B.2.1.4)
Structural Support to maintain	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Fracture Toughness	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	One-time Inspection of ASME Code Class 1 Small-I

Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Direct Flow (Thermal Sleeve)	Cracking	BWR Vessel Internals (B.2.1.9)
Direct Flow (Thermal Sleeve)	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary		None
Pressure Boundary	Cracking	BWR Control Rod Drive Return Line Nozzle (B.2.1.10)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow (Thermal Sleeve)	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Direct Flow (Thermal Sleeve)	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Fracture Toughness	TLAA
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	BWR Penetrations (B.2.1.8)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Structural Support to maintain	Cracking	BWR Vessel Internals (B.2.1.9)
Structural Support to maintain	Cracking	BWR Vessel Internals (B.2.1.9)
Structural Support to maintain	Loss of Material	BWR Vessel Internals (B.2.1.9)
Direct Flow	Loss of Material	BWR Vessel Internals (B.2.1.9)
Direct Flow	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to maintain	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Throttle	Loss of Material	TLAA
Throttle	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	BWR Penetrations (B.2.1.8)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	BWR Penetrations (B.2.1.8)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Mechanical Closure	Cracking	Reactor Head Closure Stud Bolting (B.2.1.3)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Structural Support to maintain	Loss of Material	Water Chemistry (B.2.1.2)

Structural Support to mainta	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compon
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary		None
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Direct Flow (Thermal Sleeve	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow (Thermal Sleeve	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Fracture Toughness	TLAA
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Direct Flow (Thermal Sleeve	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Direct Flow (Thermal Sleeve	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Direct Flow (Thermal Sleeve	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow (Thermal Sleeve	Cracking	BWR Vessel Internals (B.2.1.9)
Direct Flow (Thermal Sleeve	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to mainta	Loss of Material	BWR Vessel Internals (B.2.1.9)
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to mainta	Loss of Material	BWR Vessel Internals (B.2.1.9)
Structural Support to mainta	Cumulative Fatigue Damage	TLAA
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow	Cracking	Water Chemistry (B.2.1.2)
Direct Flow	Loss of Fracture Toughness	BWR Vessel Internals (B.2.1.9)
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	BWR Vessel Internals (B.2.1.9)
Direct Flow (Thermal Sleeve	Cracking	Water Chemistry (B.2.1.2)

Direct Flow (Thermal Sleeve)	Cracking	BWR Vessel Internals (B.2.1.9)
Direct Flow (Thermal Sleeve)	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Mechanical Closure	Cumulative Fatigue Damage	TLAA
Structural Support to maintenance		None
Structural Support to maintenance	Loss of Material	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Structural Support to maintenance	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support to maintenance	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support to maintenance	Cracking	BWR Vessel ID Attachment Welds (B.2.1.4)
Structural Support to maintenance	Cracking	BWR Vessel Internals (B.2.1.9)
Structural Support to maintenance	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Direct Flow (Thermal Sleeve)	Cracking	Water Chemistry (B.2.1.2)
Direct Flow (Thermal Sleeve)	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Pressure Boundary		None

Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to mainta	Cracking	BWR Vessel Internals (B.2.1.9)
Structural Support to mainta	Loss of Preload	TLAA
Structural Support to mainta	Loss of Fracture Toughness	BWR Vessel Internals (B.2.1.9)
Structural Support to mainta	Loss of Material	BWR Vessel Internals (B.2.1.9)
Structural Support to mainta	Cracking	BWR Vessel Internals (B.2.1.9)
Structural Support to mainta	Loss of Material	BWR Vessel Internals (B.2.1.9)
Structural Support to mainta	Loss of Fracture Toughness	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Preload	TLAA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Throttle	Loss of Material	One-Time Inspection (B.2.1.22)
Direct Flow (Thermal Sleeve	Loss of Material	One-Time Inspection (B.2.1.22)
Direct Flow (Thermal Sleeve	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow	Cracking	Water Chemistry (B.2.1.2)
Direct Flow	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary		None
Pressure Boundary	Cracking	BWR Penetrations (B.2.1.8)
Mechanical Closure	Loss of Material	Reactor Head Closure Stud Bolting (B.2.1.3)
Mechanical Closure	Cumulative Fatigue Damage	TLAA
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Fracture Toughness	TLAA
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Fracture Toughness	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary		None
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	BWR Stress Corrosion Cracking (B.2.1.7)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)

Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support to mainta	Loss of Material	One-Time Inspection (B.2.1.22)
Structural Support to mainta	Loss of Material	BWR Vessel ID Attachment Welds (B.2.1.4)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Direct Flow (Thermal Sleeve	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow (Thermal Sleeve	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	BWR Feedwater Nozzle (B.2.1.5)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	BWR Penetrations (B.2.1.8)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support to mainta	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Preload	TLAA
Pressure Boundary	Loss of Material	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Fracture Toughness	BWR Vessel Internals (B.2.1.9)
Throttle	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Direct Flow	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary		None
Structural Support to mainta	Cracking	BWR Vessel Internals (B.2.1.9)
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary		None
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Cracking	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary	Loss of Fracture Toughness	Reactor Vessel Surveillance (B.2.1.21)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Structural Support to mainta	Cracking	Water Chemistry (B.2.1.2)

Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Cracking	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Fracture Toughness	ASME Section XI Inservice Inspection, Subsections
Pressure Boundary		None
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Structural Support	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Structural Support	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Containment, Holdup and P	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Hardening and Loss of Strength	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)

Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Containment, Holdup and P		None
Containment, Holdup and P		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Containment, Holdup and P	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Cumulative Fatigue Damage	TLAA
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary		None
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Cumulative Fatigue Damage	TLAA
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)

Pressure Boundary	Cumulative Fatigue Damage	TLAA
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Cumulative Fatigue Damage	TLAA
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Containment, Holdup and P	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary		None
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Containment, Holdup and P	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None

Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Pressure Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Leakage Boundary	Hardening and Loss of Strength	Open-Cycle Cooling Water System (B.2.1.12)
Containment, Holdup and P	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary		None
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Cumulative Fatigue Damage	TLLA
Containment, Holdup and P	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Containment, Holdup and P	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary		None
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Containment, Holdup and P	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)

Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cumulative Fatigue Damage	TLAA
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cumulative Fatigue Damage	TLAA
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Filter	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Filter		None
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary		None
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Cracking	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary		None
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)

Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Pressure Boundary	Loss of Material	Buried and Underground Piping and Tanks (B.2.1.2)
Filter	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Filter	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Filter	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Pressure Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Structural Support	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)

Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary		None
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Containment, Holdup and F	Loss of Material	Water Chemistry (B.2.1.2)
Containment, Holdup and F	Loss of Material	One-Time Inspection (B.2.1.22)
Containment, Holdup and F	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Inspection of Internal Surfaces in Miscellaneous Pip
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Filter		None
Leakage Boundary	Loss of Material	Open-Cycle Cooling Water System (B.2.1.12)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	External Surfaces Monitoring of Mechanical Compo
Leakage Boundary	Loss of Material	Lubricating Oil Analysis (B.2.1.27)
Leakage Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Pressure Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Pressure Boundary	Wall Thinning	Flow-Accelerated Corrosion (B.2.1.10)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Leakage Boundary	Cracking	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary		None
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Mechanical Closure	Loss of Material	Bolting Integrity (B.2.1.11)
Leakage Boundary	Loss of Material	Water Chemistry (B.2.1.2)
Leakage Boundary	Loss of Material	One-Time Inspection (B.2.1.22)
Mechanical Closure	Loss of Preload	Bolting Integrity (B.2.1.11)
Leakage Boundary	Cracking	One-Time Inspection (B.2.1.22)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Missile Barrier	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)

Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity D	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Reduction in Anchor Capacity D	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking	Masonry Walls (B.2.1.34)
Shelter, Protection		None
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Pressure Bounda	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support		None
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)

Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Pressure Relief	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Water retaining boundary	Cumulative Fatigue Damage	TCAA
Water retaining boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary		None
Structural Pressure Boundary	Cumulative Fatigue Damage	TCAA
Structural Support		None
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking	Masonry Walls (B.2.1.34)
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Direct Flow	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Water retaining boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Fretting or Lock-up	ASME Section XI, Subsection IWE (B.2.1.30)
Water retaining boundary	Loss of Material, Loss of Form	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Loss of Material, Loss of Form	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A

Water retaining boundary	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection		None
Shelter, Protection		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Filter	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shielding	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary		None
Structural Support	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	ASME Section XI, Subsection IWL (B.2.1.31)
Structural Support	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support		ASME Section XI, Subsection IWL (B.2.1.31)
Structural Support	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Boundary	Cumulative Fatigue Damage	TAA
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Reduction or loss of isolation function	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity D	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity D	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity D	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)

Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Direct Flow	Loss of Material (Spalling, Scalin	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scalin	Structures Monitoring (B.2.1.35)
Thermal Insulation		None
Direct Flow		None
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material (Spalling, Scalin	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking	Masonry Walls (B.2.1.34)
Structural Support	Cracking	Masonry Walls (B.2.1.34)
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scalin	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material (Spalling, Scalin	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)

Structural Support Shelter, Protection		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Water retaining boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Pipe Whip Restraint	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support		None
Water retaining boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding		None
Structural Pressure Boundary	Loss of Preload	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Boundary		None
Direct Flow	Cumulative Fatigue Damage	TLLA
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier		None
Flood Barrier		None
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)

Expansion/Separation	Increased Hardness, Shrinkage,	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Direct Flow	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking	Masonry Walls (B.2.1.34)
Structural Support	Cracking	Masonry Walls (B.2.1.34)
Shelter, Protection		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Water retaining boundary	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Pressure Bounda	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Missile Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)

Missile Barrier	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Sealing)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier		None
Structural Support	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Filter	Loss of Material	Structures Monitoring (B.2.1.35)
Filter		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking	Masonry Walls (B.2.1.34)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Shelter, Protection	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Sealing)	Structures Monitoring (B.2.1.35)
Direct Flow		None
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Water retaining boundary		None
Water retaining boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking	Masonry Walls (B.2.1.34)
Structural Support	Cracking	Masonry Walls (B.2.1.34)
Shelter, Protection	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support		None
Shelter, Protection		None
Structural Support		None
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Cracking	Masonry Walls (B.2.1.34)
Shelter, Protection	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Sealing)	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Sealing)	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Sealing)	Structures Monitoring (B.2.1.35)
Shielding		None
Water retaining boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)

Water retaining boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Filter		None
Structural Support		None
Shelter, Protection		None
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Pressure Bounda	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Pressure Bounda	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection		None
Shielding	Cracking, Loss of Bond, and Los	ASME Section XI, Subsection IWL (B.2.1.31)
Shelter, Protection	Cracking, Loss of Bond, and Los	ASME Section XI, Subsection IWL (B.2.1.31)
Missile Barrier		ASME Section XI, Subsection IWL (B.2.1.31)
Flood Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Water retaining boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Bounda	Cumulative Fatigue Damage	TLAA
Structural Pressure Bounda	Cumulative Fatigue Damage	TLAA
Structural Support	Cumulative Fatigue Damage	TLAA
Shelter, Protection	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)

Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Vibration Isolation	Loss of Material	Structures Monitoring (B.2.1.35)
Pressure Relief	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Expansion/Separation	Increased hardness, shrinkage a	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Shelter, Protection		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Missile Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support		None
Structural Support		None
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)

Water retaining boundary	Loss of Material, Loss of Form	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Los	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Filter	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Missile Barrier	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Los	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Water retaining boundary	Increase in Porosity and Permea	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Cracking, Loss of Bond, and Los	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Increase in Porosity and Permea	RG 1.127, Inspection of Water-Control Structures A
Missile Barrier	Increase in Porosity and Permea	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material (Spalling, Scalir	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Increase in Porosity and Permea	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Structural Support		None
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Maintain Adhesion	Loss of Coating Integrity	Protective Coating Monitoring and Maintenance Proc
Maintain Adhesion	Loss of Coating Integrity	Protective Coating Monitoring and Maintenance Proc
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Structural Pressure Bounda	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Shelter, Protection	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support	Loss of Leaktightness	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Bounda	Loss of Leaktightness	ASME Section XI, Subsection IWE (B.2.1.30)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)

Structural Pressure Bounda	Loss of Sealing	10 CFR Part 50, Appendix J (B.2.1.33)
Flood Barrier	Cumulative Fatigue Damage	TLLA
Water retaining boundary		None
Structural Support		None
Structural Support	Loss of Preload	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Water retaining boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Flood Barrier	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Flood Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Thermal Insulation		None
Thermal Insulation		None
Thermal Insulation		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Bounda	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)

Missile Barrier	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Sealing)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Sealing)	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Sealing)	Structures Monitoring (B.2.1.35)
Water retaining boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Sealing)	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Direct Flow		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Direct Flow	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Filter	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Filter	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Filter	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Shelter, Protection		None
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)

Shielding	Cracking	Masonry Walls (B.2.1.34)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Missile Barrier	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Missile Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Shelter, Protection		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection		None
Filter		None
Shelter, Protection		None
Direct Flow	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Shelter, Protection		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Shelter, Protection		None
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Direct Flow	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)

Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Direct Flow	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection		None
Missile Barrier	Cracking, Loss of Bond, and Loss of Sealing	ASME Section XI, Subsection IWL (B.2.1.31)
Structural Support		None
Structural Support	Cumulative Fatigue Damage	TLAA
Water retaining boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary	Cumulative Fatigue Damage	TLAA
Structural Pressure Boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support		None
Structural Support	Cumulative Fatigue Damage	TLAA
Structural Support	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Shelter, Protection	Cumulative Fatigue Damage	TLAA
Shelter, Protection		None
Shelter, Protection	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support		None
Structural Pressure Boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shielding	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support		None
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None

Structural Support		None
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier		None
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Mechanical Function	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Water retaining boundary	Loss of Material, Loss of Form	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Pressure Relief		None
Pressure Relief	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection		None
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)

Shelter, Protection		None
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Filter	Loss of Material	Structures Monitoring (B.2.1.35)
Filter		None
Shielding	Fretting or Lock-up	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support		None
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Expansion/Separation	Increased Hardness, Shrinkage, and Distortion	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cumulative Fatigue Damage	TLAA
Structural Support	Cumulative Fatigue Damage	TLAA
Water retaining boundary	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Pipe Whip Restraint		None
Structural Support	Loss of Preload	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Boundary	Loss of Preload	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary		None
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material	Water Chemistry (B.2.1.2)
Water retaining boundary		None
Water retaining boundary		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Mechanical Function	ASME Section XI, Subsection IWF (B.2.1.32)
Water retaining boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Loss of Material (Spalling, Scaling, and Corrosion)	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Corrosion)	Structures Monitoring (B.2.1.35)
Thermal Insulation		None
Thermal Insulation		None

Thermal Insulation		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Bounda	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection		None
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Bounda	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scalir	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scalir	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Flood Barrier		None
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Los	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material (Spalling, Scalir	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Los	RG 1.127, Inspection of Water-Control Structures A

Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Missile Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Water retaining boundary		None
Water retaining boundary	Cumulative Fatigue Damage	TCAA
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Structural Support	Cracking	Masonry Walls (B.2.1.34)
Shelter, Protection	Cracking	Masonry Walls (B.2.1.34)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None

Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shielding	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Preload)	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Preload	Structures Monitoring (B.2.1.35)
Water retaining boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Water retaining boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Missile Barrier	Fretting or Lock-up	ASME Section XI, Subsection IWE (B.2.1.30)
Water retaining boundary	Loss of Material (Spalling, Scaling, Cracking, Loss of Bond, and Loss of Preload)	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Cracking, Loss of Bond, and Loss of Preload	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Missile Barrier	Cracking, Loss of Bond, and Loss of Preload	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection		None
Missile Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Missile Barrier	Cracking, Loss of Bond, and Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Pressure Boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Preload	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cumulative Fatigue Damage	TLAA
Structural Pressure Boundary	Cumulative Fatigue Damage	TLAA
Structural Pressure Boundary		None
Structural Pressure Boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Preload	Structures Monitoring (B.2.1.35)

Missile Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Reduction or Loss of Isolation Function	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Thermal Insulation		None
Thermal Insulation		None
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shielding	Cracking	Masonry Walls (B.2.1.34)
Shelter, Protection	Cracking	Masonry Walls (B.2.1.34)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Water retaining boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None

Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier		None
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material, Loss of Form	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Missile Barrier	Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Water retaining boundary		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Direct Flow	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)

Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Flood Barrier	Loss of Material	Water Chemistry (B.2.1.2)
Pipe Whip Restraint		None
Pipe Whip Restraint	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Direct Flow	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support		None
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary		None
Flood Barrier		None
Structural Pressure Boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None

Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Filter	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Missile Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support		None
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	ASME Section XI, Subsection IWL (B.2.1.31)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection		None
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support		None
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Shielding	Cracking	Masonry Walls (B.2.1.34)
Structural Pressure Boundary	Loss of Preload	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support		None
Direct Flow	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support		None
Filter		None
Structural Support	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A

Structural Support	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cumulative Fatigue Damage	TAA
Water retaining boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Delamination)	Masonry Walls (B.2.1.34)
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	Masonry Walls (B.2.1.34)
Structural Pressure Boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Missile Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)

Filter	Loss of Material	Water Chemistry (B.2.1.2)
Missile Barrier	Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support		None
Structural Pressure Boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary		ASME Section XI, Subsection IWL (B.2.1.31)
Water retaining boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Water retaining boundary	Cumulative Fatigue Damage	TAA
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary		None
Shelter, Protection	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shielding	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material or Loss of Form	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)

Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Expansion/Separation	Increased Hardness, Shrinkage, and Swelling	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support		None
Structural Support		None
Structural Support		None
Structural Support		None
Shelter, Protection		None
Shelter, Protection		None
Shelter, Protection		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Material	ASME Section XI, Subsection IWL (B.2.1.31)
Structural Support	Cracking, Loss of Bond, and Loss of Material	ASME Section XI, Subsection IWL (B.2.1.31)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, and Delamination)	RG 1.127, Inspection of Water-Control Structures and Components
Shelter, Protection	Loss of Material (Spalling, Scaling, and Delamination)	RG 1.127, Inspection of Water-Control Structures and Components
Shelter, Protection	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)

Water retaining boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Direct Flow	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Mechanical Function	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary		None
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Direct Flow	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Missile Barrier	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary	Loss of Leaktightness	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support		None
Shelter, Protection	Loss of Material	Water Chemistry (B.2.1.2)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cumulative Fatigue Damage	TAA
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support		None
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Missile Barrier	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Cracking	Masonry Walls (B.2.1.34)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Filter	Loss of Material	Structures Monitoring (B.2.1.35)

Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Reduction or loss of isolation function	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material or Loss of Form	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Preload	ASME Section XI, Subsection IWF (B.2.1.32)
Vibration Isolation	Reduction or Loss of Isolation Function	Structures Monitoring (B.2.1.35)

Structural Support	Reduction in Anchor Capacity D	Structures Monitoring (B.2.1.35)
Expansion/Separation	Increased hardness, shrinkage a	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Hardening and Loss of Strength	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Missile Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Filter	Loss of Preload	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Structural Pressure Bounda	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Water retaining boundary	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Filter		None
Flood Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)

Flood Barrier		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Mechanical Function	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Missile Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Pressure Relief	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking	Masonry Walls (B.2.1.34)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Material	ASME Section XI, Subsection IWL (B.2.1.31)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Cumulative Fatigue Damage	TLAA
Water retaining boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary		None
Structural Pressure Boundary	Cumulative Fatigue Damage	TLAA
Structural Support	Cumulative Fatigue Damage	TLAA

Structural Support Shelter, Protection	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Filter		None
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary		None
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Pressure Boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Direct Flow	Cumulative Fatigue Damage	TLLA
Filter	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary		None
HELB/MELB Shielding		None
Pipe Whip Restraint	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Water retaining boundary		None
Water retaining boundary		None
Shelter, Protection	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Thermal Insulation		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking	Masonry Walls (B.2.1.34)
Missile Barrier	Cracking	Masonry Walls (B.2.1.34)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)

Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity	Structures Monitoring (B.2.1.35)
Shielding	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None

Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Water retaining boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Increase in Porosity and Permea	RG 1.127, Inspection of Water-Control Structures A
Direct Flow	Loss of Material (Spalling, Scalin	RG 1.127, Inspection of Water-Control Structures A
Direct Flow	Cracking, Loss of Bond, and Los	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Loss of Material (Spalling, Scalin	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Shelter, Protection	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Bounda	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material (Spalling, Scalin	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Flood Barrier	Loss of Material (Spalling, Scalin	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Cumulative Fatigue Damage	TAA
Water retaining boundary	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking	Masonry Walls (B.2.1.34)
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Missile Barrier	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Shelter, Protection		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Water retaining boundary		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Direct Flow	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)

Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking	Masonry Walls (B.2.1.34)
Shelter, Protection		None
Filter		None
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier		ASME Section XI, Subsection IWL (B.2.1.31)
Structural Support	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Water retaining boundary		None
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Shelter, Protection		None
Shelter, Protection	Cumulative Fatigue Damage	TLAA
Shelter, Protection	Cumulative Fatigue Damage	TLAA
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None

Structural Support		None
Direct Flow	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Reduction in Anchor Capacity	Structures Monitoring (B.2.1.35)
Structural Support	Cracking	Masonry Walls (B.2.1.34)
Pressure Relief		None
Structural Support	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Hardening and Loss of Strength	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Thermal Insulation		None
Thermal Insulation		None
Thermal Insulation		None
Thermal Insulation		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support		None
Structural Support		None
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Expansion/Separation	Increased Hardness, Shrinkage and Distortion	Structures Monitoring (B.2.1.35)
Expansion/Separation	Increased Hardness, Shrinkage and Distortion	Structures Monitoring (B.2.1.35)
Structural Support		None
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)

Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Structural Support	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Pressure Relief	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support		None
Flood Barrier	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material (Spalling, Scaling, and Cracking)	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Missile Barrier	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Support	Loss of Leaktightness	10 CFR Part 50, Appendix J (B.2.1.33)
Shelter, Protection		None
Structural Support		None
Water retaining boundary	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Loss of Sealing	Structures Monitoring (B.2.1.35)

Shielding	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shielding	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Pressure Boundary	Loss of Material	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding		None
HELB/MELB Shielding		None
HELB/MELB Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Loss of Sealing	Structures Monitoring (B.2.1.35)
HELB/MELB Shielding	Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material	Water Chemistry (B.2.1.2)
Water retaining boundary		None
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Mechanical Function	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Direct Flow		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Missile Barrier	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)

HELB/MELB Shielding	Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Structural Support	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	ASME Section XI, Subsection IWL (B.2.1.31)
Structural Support	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Structural Pressure Boundary	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Direct Flow	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, and Cracking)	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material (Spalling, Scaling, and Cracking)	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	10 CFR Part 50, Appendix J (B.2.1.33)
Shelter, Protection	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Boundary	Loss of Sealing	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Direct Flow	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None

Filter	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Boundary	Cumulative Fatigue Damage	TLLA
Water retaining boundary	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Filter	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding		None
Structural Support		None
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier		None
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Water retaining boundary	Loss of Material (Spalling, Scaling, and Delamination)	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Direct Flow	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling, and Delamination)	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Missile Barrier	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material (Spalling, Scaling, and Delamination)	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Loss of Material (Spalling, Scaling, and Delamination)	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Increase in Porosity and Permeability	RG 1.127, Inspection of Water-Control Structures A
Water retaining boundary	Cracking, Loss of Bond, and Loss of Material	RG 1.127, Inspection of Water-Control Structures A

Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Filter		None
Flood Barrier	Cracking, Loss of Bond, and Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Flood Barrier	Loss of Material (Spalling, Scaling)	RG 1.127, Inspection of Water-Control Structures A
Structural Support		None
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier		None
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Structural Support		ASME Section XI, Subsection IWL (B.2.1.31)
Structural Support	Cracking, Loss of Bond, and Loss of Material	ASME Section XI, Subsection IWL (B.2.1.31)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	ASME Section XI, Subsection IWL (B.2.1.31)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Water retaining boundary		None
Structural Pressure Boundary	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Support	Cumulative Fatigue Damage	TLAA
Structural Support		None
Shelter, Protection	Cumulative Fatigue Damage	TLAA
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Water Chemistry (B.2.1.2)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Loss of Material	ASME Section XI, Subsection IWF (B.2.1.32)
Structural Support	Reduction in Anchor Capacity Due to Corrosion	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Pressure Relief	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Missile Barrier	Cracking, Loss of Bond, and Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support		None

Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Water retaining boundary	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support		None
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material (Spalling, Scaling)	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection		None
Flood Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Flood Barrier	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Shelter, Protection	Increase in Porosity and Permeability	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Missile Barrier	Cracking, Loss of Bond, and Loss of Sealing	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection		None
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking and Distortion	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Filter		None
Expansion/Separation	Increased Hardness, Shrinkage	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding	Cracking, Loss of Bond, and Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Cracking	Masonry Walls (B.2.1.34)
Structural Support		None
Water retaining boundary		None
Missile Barrier	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)

Water retaining boundary	Loss of Material, Loss of Form	RG 1.127, Inspection of Water-Control Structures A
Direct Flow	Increase in Porosity and Permea	RG 1.127, Inspection of Water-Control Structures A
Pressure Relief		None
Structural Support	Loss of Material	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Cracking, Loss of Bond, and Los	RG 1.127, Inspection of Water-Control Structures A
Direct Flow	Cracking, Loss of Bond, and Los	RG 1.127, Inspection of Water-Control Structures A
Structural Support	Increase in Porosity and Permea	RG 1.127, Inspection of Water-Control Structures A
Shelter, Protection		None
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Shielding	Loss of Material (Spalling, Scalir	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Structural Support		None
Structural Pressure Bounda	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Water retaining boundary	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Bounda	Loss of Material	10 CFR Part 50, Appendix J (B.2.1.33)
Structural Pressure Bounda	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Structural Pressure Bounda	Loss of Material	ASME Section XI, Subsection IWE (B.2.1.30)
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Shielding		None
Filter		None
Shelter, Protection		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support		None
Water retaining boundary	Loss of Material	Water Chemistry (B.2.1.2)
Direct Flow	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Shelter, Protection	Loss of Material	Structures Monitoring (B.2.1.35)
Shelter, Protection		None
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Loss of Sealing	Structures Monitoring (B.2.1.35)
Shelter, Protection	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Structural Support		None
Structural Support	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Increase in Porosity and Permea	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)

Flood Barrier	Loss of Sealing	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Flood Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Direct Flow	Loss of Material	Structures Monitoring (B.2.1.35)
Structural Support		None
Missile Barrier	Cracking, Loss of Bond, and Los	Structures Monitoring (B.2.1.35)
Thermal Insulation		None
Structural Support	Loss of Preload	Structures Monitoring (B.2.1.35)

NUREG-1801 Item	Table 1 Item	Notes
VII.D.A-80	3.3.1-78	C
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-106	3.3.1-21	A
VII.B.A-06	3.3.1-1	A, 2
VII.F2.A-105	3.3.1-78	A
VII.I.AP-125	3.3.1-12	A
VII.F1.AP-102	3.3.1-76	A
VII.I.AP-263	3.3.1-15	A
VII.J.AP-135	3.3.1-113	A
VII.D.AP-240	3.3.1-54	A
VII.D.A-80	3.3.1-78	A
VII.D.A-80	3.3.1-78	A
VII.G.AP-143	3.3.1-89	A
VII.A4.AP-110	3.3.1-25	A
VII.I.A-77	3.3.1-78	A
VII.E4.AP-110	3.3.1-25	A
VII.E4.AP-110	3.3.1-25	A
VII.E5.AP-273	3.3.1-95	A
VII.I.A-77	3.3.1-78	A
VII.E4.AP-110	3.3.1-25	A
VII.E4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.C2.AP-189	3.3.1-46	A
VII.J.AP-14	3.3.1-117	A
VII.J.AP-17	3.3.1-120	A
VII.H2.AP-133	3.3.1-99	A
VII.F1.AP-199	3.3.1-46	A
VII.G.AP-143	3.3.1-89	A
VII.J.AP-17	3.3.1-120	C
VII.C2.A-52	3.3.1-49	C
VII.F1.AP-99	3.3.1-94	C
VIII.B2.S-08	3.4.1-1	A, 1
VII.J.AP-14	3.3.1-117	A
VII.E5.AP-281	3.3.1-91	A
VII.F1.AP-99	3.3.1-94	C
VII.I.A-77	3.3.1-78	A
III.B1.2.TP-232	3.5.1-85	E, 1
VII.A4.AP-130	3.3.1-25	C
VII.G.A-23	3.3.1-89	E, 2
VII.F3.AP-102	3.3.1-76	A
VII.F1.AP-127	3.3.1-97	C
VII.J.AP-14	3.3.1-117	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-112	3.3.1-20	C
VII.J.AP-17	3.3.1-120	A
VIII.D2.S-16	3.4.1-5	A
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-112	3.3.1-20	C
VII.E5.AP-273	3.3.1-95	A

VII.G.A-23	3.3.1-89	A
VII.D.A-80	3.3.1-78	A
VII.F1.AP-189	3.3.1-46	A
VII.G.A-91	3.3.1-62	A
VII.I.A-77	3.3.1-78	E, 2
VII.F3.AP-202	3.3.1-45	A
VII.J.AP-17	3.3.1-120	A
VII.F3.AP-199	3.3.1-46	A
VII.F3.AP-199	3.3.1-46	A
VII.J.AP-97	3.3.1-117	A
VII.F3.AP-102	3.3.1-76	A
VII.F3.AP-202	3.3.1-45	A
VII.G.AP-143	3.3.1-89	C
VII.J.AP-17	3.3.1-120	A
VII.F3.AP-202	3.3.1-45	A
VII.D.A-80	3.3.1-78	A
VII.C1.AP-75	3.3.1-32x	A
VII.J.AP-17	3.3.1-120	A
VII.I.A-77	3.3.1-78	A
VII.F2.AP-99	3.3.1-94	A
VII.H2.AP-131	3.3.1-98	A
VII.H2.AP-131	3.3.1-98	A
VII.C2.AP-199	3.3.1-46	C
VII.I.AP-125	3.3.1-12	A
VII.E5.AP-278	3.3.1-95	A
VII.G.AP-198	3.3.1-106	A
VII.J.AP-282	3.3.1-112	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-166	3.3.1-117	A
VII.I.A-77	3.3.1-78	A
VII.F4.AP-204	3.3.1-50	C
VII.H2.A-23	3.3.1-89	A
VII.G.AP-143	3.3.1-89	C
VII.J.AP-14	3.3.1-117	A
VII.F1.AP-99	3.3.1-94	C
IV.C1.R-08	3.1.1-38	E, 2
VII.G.AP-143	3.3.1-89	A
VII.J.AP-14	3.3.1-117	A
VII.J.AP-17	3.3.1-120	A
VII.E5.AP-278	3.3.1-95	C
VII.A4.AP-110	3.3.1-25	A
VII.E5.AP-273	3.3.1-95	C
VII.A4.AP-110	3.3.1-25	A
VII.A4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.E4.AP-106	3.3.1-21	A
VII.E3.AP-110	3.3.1-25	A
VII.I.A-77	3.3.1-78	A
VII.E3.AP-106	3.3.1-21	A
VII.H2.AP-43	3.3.1-72	C
VII.C2.AP-199	3.3.1-46	C

VII.J.AP-17	3.3.1-120	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-120	3.3.1-19	C
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-14	3.3.1-117	A
VII.A4.AP-101	3.3.1-86	A
VII.I.AP-125	3.3.1-12	A
VII.F1.A-08	3.3.1-90	C
VII.F3.AP-202	3.3.1-45	A
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-144	3.3.1-114	C
VII.C1.A-51	3.3.1-72	A
VII.H1.AP-105	3.3.1-70	A
VII.J.AP-14	3.3.1-117	A
VII.H1.AP-198	3.3.1-106	A
VII.H1.A-24	3.3.1-80	E, 1
VII.H2.AP-202	3.3.1-45	A
		F, 3
VII.G.A-02	3.3.1-72	A
VII.J.AP-13	3.3.1-116	A
VII.G.A-51	3.3.1-72	A
VII.G.A-02	3.3.1-72	A
VII.G.A-55	3.3.1-66	A
VII.G.A-33	3.3.1-64	A
VII.G.AP-143	3.3.1-89	A
VII.J.AP-144	3.3.1-114	A
VII.J.AP-17	3.3.1-120	A
VIII.B2.SP-110	3.4.1-39	A
VII.G.AP-143	3.3.1-89	A
VII.G.A-93	3.3.1-62	A
VII.G.A-90	3.3.1-60	A
VII.G.A-33	3.3.1-64	A
VII.H1.A-95	3.3.1-67	A
VII.I.A-77	3.3.1-78	A
VII.I.A-77	3.3.1-78	A
VII.H2.AP-127	3.3.1-97	A
VII.C2.A-50	3.3.1-72	A
VII.H2.AP-202	3.3.1-45	A
VII.H1.AP-105	3.3.1-70	A
VII.H2.AP-127	3.3.1-97	C
VII.I.A-77	3.3.1-78	A
VII.I.A-77	3.3.1-78	A
VII.C2.A-52	3.3.1-49	A
VII.C2.AP-199	3.3.1-46	A
VII.E3.AP-140	3.3.1-22	A
VII.E3.AP-120	3.3.1-19	C
VII.C2.AP-199	3.3.1-46	C
VII.C2.AP-43	3.3.1-72	C
VII.C1.A-66	3.3.1-72	A
VII.F3.AP-203	3.3.1-46	A

VII.G.AP-143	3.3.1-89	C
VII.I.AP-124	3.3.1-15	A
VII.C1.AP-179	3.3.1-38	A
VII.C1.AP-183	3.3.1-38	A
VII.I.A-77	3.3.1-78	A
VII.F2.A-08	3.3.1-90	C
VII.F2.A-08	3.3.1-90	C
		H, 1
VII.E3.AP-106	3.3.1-21	C
VII.I.A-77	3.3.1-78	A
V.A.EP-81	3.2.1-48	A
VII.E2.AP-141	3.3.1-25	A
VII.E2.AP-141	3.3.1-25	A
VII.E2.AP-141	3.3.1-25	A
VII.A4.AP-110	3.3.1-25	A
VII.I.AP-125	3.3.1-12	A
VII.H2.A-23	3.3.1-89	C
VII.I.AP-125	3.3.1-12	A
VII.C1.AP-183	3.3.1-38	C
VIII.F.SP-117	3.4.1-21	C
VII.D.A-80	3.3.1-78	A
VII.F2.AP-142	3.3.1-92	A
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-17	3.3.1-120	A
VII.G.A-23	3.3.1-89	A
VII.F1.AP-41	3.3.1-80	A
VII.G.A-23	3.3.1-89	A
VII.G.A-23	3.3.1-89	C
VII.E3.AP-106	3.3.1-21	C
VII.E3.AP-140	3.3.1-22	A
VII.E3.AP-112	3.3.1-20	A
VII.F1.A-08	3.3.1-90	A
VII.F1.AP-99	3.3.1-94	C
VII.J.AP-22	3.3.1-120	A
VII.J.AP-14	3.3.1-117	A
VII.J.AP-98	3.3.1-117	A
VII.J.AP-144	3.3.1-114	A
VII.J.AP-17	3.3.1-120	A
VII.F1.AP-99	3.3.1-94	C
VII.D.AP-81	3.3.1-56	A
VII.J.AP-144	3.3.1-114	A
VII.F4.AP-102	3.3.1-76	A
VII.A4.AP-110	3.3.1-25	A
VII.E5.AP-273	3.3.1-95	A
VII.E4.AP-106	3.3.1-21	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-14	3.3.1-117	A

VII.E4.AP-106	3.3.1-21	A
VII.E4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.G.A-23	3.3.1-89	A
VII.J.AP-17	3.3.1-120	A
VII.E4.AP-110	3.3.1-25	A
VII.E4.AP-110	3.3.1-25	A
VII.E4.AP-106	3.3.1-21	A
VII.J.AP-17	3.3.1-120	A
VII.G.A-23	3.3.1-89	A
VII.F3.AP-189	3.3.1-46	A
VII.J.AP-17	3.3.1-120	A
VII.D.A-80	3.3.1-78	A
VII.J.AP-144	3.3.1-114	A
VII.G.AP-143	3.3.1-89	A
VII.J.AP-6	3.3.1-121	A
VII.C2.A-52	3.3.1-49	C
VII.I.AP-125	3.3.1-12	A
		G
VII.E3.A-62	3.3.1-2	A, 1
VII.E3.AP-110	3.3.1-25	A
VII.I.A-77	3.3.1-78	A
III.B1.2.TP-232	3.5.1-85	A
VII.J.AP-123	3.3.1-120	C
VII.A4.AP-130	3.3.1-25	C
VII.I.A-77	3.3.1-78	A
VII.I.A-77	3.3.1-78	A
		G
VII.F4.AP-102	3.3.1-76	A
VIII.E.SP-77	3.4.1-15	A
VII.E3.AP-106	3.3.1-21	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-17	3.3.1-120	A
VII.I.A-77	3.3.1-78	A
VII.I.A-77	3.3.1-78	A
VII.C1.AP-133	3.3.1-99	A
VII.J.AP-144	3.3.1-114	A
VII.E3.AP-106	3.3.1-21	A
VIII.F.SP-117	3.4.1-21	C
VII.J.AP-17	3.3.1-120	A
VII.A4.AP-110	3.3.1-25	A
VII.J.AP-16	3.3.1-118	A
VII.E5.AP-274	3.3.1-95	A
VII.F1.AP-41	3.3.1-80	A
VII.J.AP-9	3.3.1-114	C
VII.I.AP-125	3.3.1-12	A
VII.J.AP-144	3.3.1-114	A
VII.F3.AP-43	3.3.1-72	A
VII.F3.AP-199	3.3.1-46	A
VII.F3.AP-202	3.3.1-45	A

VII.J.AP-50	3.3.1-117	A
VII.C1.AP-183	3.3.1-38	C
VII.D.A-80	3.3.1-78	A
VII.D.AP-240	3.3.1-54	A
VII.J.AP-17	3.3.1-120	A
V.F.EP-10	3.2.1-57	A
VII.J.AP-14	3.3.1-117	A
		H, 2
		H, 1
VII.J.AP-144	3.3.1-114	A
VII.E5.AP-281	3.3.1-91	A
VII.I.A-77	3.3.1-78	A
VII.E5.AP-278	3.3.1-95	A
VII.J.AP-277	3.3.1-119	A
VII.C2.A-52	3.3.1-49	A
VII.J.AP-14	3.3.1-117	A
VII.C2.AP-202	3.3.1-45	A
VII.G.A-23	3.3.1-89	C
VII.I.A-77	3.3.1-78	A
VII.E4.AP-106	3.3.1-21	A
VII.E3.AP-112	3.3.1-20	C
VII.E3.AP-112	3.3.1-20	C
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-37	3.3.1-113	A
VII.J.AP-36	3.3.1-113	A
VII.E5.AP-273	3.3.1-95	A
VII.D.A-80	3.3.1-78	A
VII.F1.AP-202	3.3.1-45	A
VII.G.AP-143	3.3.1-89	A
VII.F1.AP-205	3.3.1-50	A
		H, 1
VII.H1.A-95	3.3.1-67	E, 1
VII.H1.AP-105	3.3.1-70	A
VII.F2.AP-142	3.3.1-92	C
VII.J.AP-135	3.3.1-113	C
VII.J.AP-13	3.3.1-116	A
VII.A4.AP-110	3.3.1-25	A
VII.A4.AP-110	3.3.1-25	C
VII.A4.AP-110	3.3.1-25	C
VII.E4.AP-106	3.3.1-21	A
VII.E4.AP-106	3.3.1-21	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-17	3.3.1-120	A
VII.A4.AP-110	3.3.1-25	A
VII.I.A-77	3.3.1-78	A
VII.E3.A-62	3.3.1-2	A, 1
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-120	3.3.1-19	C
VII.E3.AP-110	3.3.1-25	A

VII.C1.AP-183	3.3.1-38	C
VII.I.A-77	3.3.1-78	A
VII.B.A-05	3.3.1-53	A
VII.I.A-77	3.3.1-78	A
VII.I.AP-124	3.3.1-15	A
VII.J.AP-50	3.3.1-117	A
VII.J.AP-144	3.3.1-114	A
		H, 4
VII.J.AP-36	3.3.1-113	A
VII.J.AP-17	3.3.1-120	A
VII.G.AP-197	3.3.1-64	A
VII.J.AP-144	3.3.1-114	A
VII.G.AP-132	3.3.1-69	A
VII.J.AP-6	3.3.1-121	A
VII.G.AP-150	3.3.1-58	A
VII.G.A-51	3.3.1-72	A
VII.G.AP-143	3.3.1-89	A
VII.G.AP-197	3.3.1-64	A
VII.G.A-02	3.3.1-72	A
VII.I.A-77	3.3.1-78	A
VII.G.A-91	3.3.1-62	A
VII.H1.AP-105	3.3.1-70	A
VII.I.A-77	3.3.1-78	A
		G, 2
VII.I.A-77	3.3.1-78	A
VII.H1.AP-136	3.3.1-71	A
VII.C2.A-52	3.3.1-49	A
VII.H1.A-24	3.3.1-80	E, 1
VII.H2.A-23	3.3.1-89	A
VII.H1.AP-105	3.3.1-70	A
VII.G.A-33	3.3.1-64	E, 5
VII.I.AP-125	3.3.1-12	A
VII.J.AP-144	3.3.1-114	A
VII.C2.AP-43	3.3.1-72	A
VII.E3.AP-140	3.3.1-22	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-17	3.3.1-120	C
		G
VII.J.AP-17	3.3.1-120	C
VII.F4.AP-102	3.3.1-76	A
		G
VII.I.AP-125	3.3.1-12	A
VII.I.AP-125	3.3.1-12	A
VII.I.AP-124	3.3.1-15	A
VII.C1.AP-183	3.3.1-38	A
VII.J.AP-17	3.3.1-120	A
VII.F2.AP-41	3.3.1-80	A
VII.F2.AP-41	3.3.1-80	A
VII.J.AP-144	3.3.1-114	A
		F, 3
VII.A4.AP-110	3.3.1-25	A

VII.J.AP-17	3.3.1-120	A
VII.A4.AP-110	3.3.1-25	A
VII.A4.AP-110	3.3.1-25	A
VII.E3.AP-106	3.3.1-21	A
VII.J.AP-17	3.3.1-120	A
VII.A4.AP-110	3.3.1-25	A
VII.I.AP-124	3.3.1-15	A
VII.H1.AP-105	3.3.1-70	E, 3
VII.G.A-33	3.3.1-64	E, 5
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-106	3.3.1-21	A
VII.J.AP-144	3.3.1-114	A
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-144	3.3.1-114	A
VII.E3.AP-110	3.3.1-25	C
VII.E3.AP-112	3.3.1-20	A
VII.I.A-77	3.3.1-78	A
VII.F1.AP-99	3.3.1-94	A, 2
VII.J.AP-17	3.3.1-120	C
VII.I.AP-126	3.3.1-12	A
VII.F1.AP-99	3.3.1-94	C
VII.J.AP-37	3.3.1-113	A
VII.G.A-23	3.3.1-89	A
VII.J.AP-6	3.3.1-121	A
VII.G.A-55	3.3.1-66	A
		F, 1
V.D2.EP-90	3.2.1-23	C
VII.E4.AP-110	3.3.1-25	A
VII.J.AP-97	3.3.1-117	A
VII.J.AP-17	3.3.1-120	A
VII.E4.AP-106	3.3.1-21	A
VII.I.A-77	3.3.1-78	A
VII.G.A-23	3.3.1-89	A
VII.J.AP-17	3.3.1-120	A
VII.E4.AP-110	3.3.1-25	A
VII.E4.AP-110	3.3.1-25	A
VII.E4.AP-110	3.3.1-25	A
VII.G.A-23	3.3.1-89	A
VII.E5.AP-273	3.3.1-95	A
VII.E4.AP-110	3.3.1-25	A
VII.F1.AP-127	3.3.1-97	A
VII.D.A-80	3.3.1-78	A
VII.J.AP-14	3.3.1-117	A
VII.C2.A-52	3.3.1-49	A
VII.E5.AP-273	3.3.1-95	A
VII.I.AP-124	3.3.1-15	A
VII.I.AP-124	3.3.1-15	A
VII.J.AP-51	3.3.1-117	A
VII.E3.AP-110	3.3.1-25	C
VII.E3.AP-112	3.3.1-20	C

VII.A4.AP-111	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-106	3.3.1-21	A
VII.E5.AP-281	3.3.1-91	A
VII.A4.AP-110	3.3.1-25	C
III.B5.TP-248	3.5.1-80	E, 1
III.B5.TP-8	3.5.1-95	A
VII.J.AP-16	3.3.1-118	C
VII.J.AP-123	3.3.1-120	C
III.B5.TP-8	3.5.1-95	A
VII.A4.AP-110	3.3.1-25	C
VII.C1.A-54	3.3.1-40	A
VII.C1.A-54	3.3.1-40	A
VII.J.AP-17	3.3.1-120	A
VII.F3.AP-113	3.3.1-82	A
VII.E3.AP-112	3.3.1-20	C
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
VII.I.A-77	3.3.1-78	A
VII.I.AP-125	3.3.1-12	A
VII.E3.AP-110	3.3.1-25	C
VII.E3.AP-110	3.3.1-25	C
VII.A4.AP-110	3.3.1-25	A
VII.A4.AP-110	3.3.1-25	A
VII.J.AP-6	3.3.1-121	C
VII.J.AP-9	3.3.1-114	C
VII.I.AP-124	3.3.1-15	A
VII.I.AP-125	3.3.1-12	A
VII.G.A-90	3.3.1-60	A
VII.H1.A-24	3.3.1-80	E, 2
VII.G.A-21	3.3.1-59	A
VII.F3.AP-99	3.3.1-94	A, 1
VII.F3.A-50	3.3.1-72	A
VII.J.AP-17	3.3.1-120	A
VII.F4.AP-102	3.3.1-76	A
VII.D.AP-240	3.3.1-54	A
VII.D.AP-81	3.3.1-56	A
		G
VII.D.AP-81	3.3.1-56	A
VII.J.AP-166	3.3.1-117	A
VII.I.AP-124	3.3.1-15	A
VII.I.AP-126	3.3.1-12	E, 1
VII.H2.AP-104	3.3.1-88	A
VII.C2.AP-205	3.3.1-50	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-282	3.3.1-112	A
VII.J.AP-282	3.3.1-112	A
		G
VII.G.A-23	3.3.1-89	A

VII.C2.AP-133	3.3.1-99	A
VII.H2.AP-202	3.3.1-45	A
VII.I.A-77	3.3.1-78	A
VII.F4.A-105	3.3.1-78	A, 1
VII.F3.AP-102	3.3.1-76	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-17	3.3.1-120	A
VII.E5.AP-280	3.3.1-95	A
VII.F1.AP-203	3.3.1-46	A
VII.C1.AP-187	3.3.1-42	A
VII.E5.AP-278	3.3.1-95	A
VII.E3.AP-106	3.3.1-21	A
VII.J.AP-13	3.3.1-116	C
VII.E4.AP-106	3.3.1-21	C
VII.I.A-77	3.3.1-78	A
VII.A4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.G.A-23	3.3.1-89	A
VII.A4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.E4.AP-106	3.3.1-21	A
VII.A4.AP-110	3.3.1-25	A
VII.E3.AP-283	3.3.1-16	A
VII.E3.AP-110	3.3.1-25	A
V.D2.EP-78	3.2.1-51	A
VII.I.A-77	3.3.1-78	A
VII.A4.AP-111	3.3.1-25	A
VII.I.AP-124	3.3.1-15	A
VII.I.AP-124	3.3.1-15	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-140	3.3.1-22	A
VII.J.AP-17	3.3.1-120	A
VII.I.AP-124	3.3.1-15	A
VII.D.AP-81	3.3.1-56	A
VII.D.A-80	3.3.1-78	A
VII.H2.AP-202	3.3.1-45	A
VII.I.A-77	3.3.1-78	A
VII.E3.AP-110	3.3.1-25	A
VII.E5.AP-270	3.3.1-88	A, 6
VII.G.A-23	3.3.1-89	C
VII.G.A-33	3.3.1-64	A
VII.G.AP-180	3.3.1-65	A
VII.C2.AP-259	3.3.1-85	A
VII.H2.AP-202	3.3.1-45	A
VII.H2.AP-127	3.3.1-97	A
VII.I.A-77	3.3.1-78	A
VII.H1.AP-105	3.3.1-70	A
VII.H1.AP-105	3.3.1-70	A
VII.H1.AP-105	3.3.1-70	A
VII.H2.AP-127	3.3.1-97	C

VII.H2.AP-202	3.3.1-45	A
VII.H2.AP-199	3.3.1-46	A
VII.J.AP-144	3.3.1-114	A
VII.H2.AP-138	3.3.1-100	A
VII.H1.A-24	3.3.1-80	A
VII.H2.AP-202	3.3.1-45	A
VII.H2.AP-104	3.3.1-88	A
VII.H1.AP-105	3.3.1-70	A
VII.F1.AP-99	3.3.1-94	C
VII.J.AP-17	3.3.1-120	A
VII.I.AP-125	3.3.1-12	A
VII.I.A-77	3.3.1-78	A
VII.C2.AP-202	3.3.1-45	A
VII.I.A-77	3.3.1-78	A
VII.E3.AP-140	3.3.1-22	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
VII.D.A-80	3.3.1-78	A
VII.J.AP-51	3.3.1-117	A
VII.I.AP-125	3.3.1-12	A
VII.I.A-77	3.3.1-78	A
VII.C2.AP-189	3.3.1-46	A
VII.I.A-77	3.3.1-78	A
VII.G.AP-143	3.3.1-89	C
VII.C1.AP-183	3.3.1-38	A
		G
VII.F3.AP-203	3.3.1-46	A
VII.F4.AP-113	3.3.1-82	A
VII.I.AP-125	3.3.1-12	A
VII.I.AP-263	3.3.1-15	A
VII.I.AP-125	3.3.1-12	A
VII.C1.AP-179	3.3.1-38	A
VII.C1.AP-183	3.3.1-38	A
VII.C1.AP-179	3.3.1-38	A
VII.C1.A-54	3.3.1-40	A
VII.C1.AP-183	3.3.1-38	C
VII.F2.AP-41	3.3.1-80	A
		H, 1
VII.J.AP-17	3.3.1-120	C
VII.E2.AP-141	3.3.1-25	C
VII.E3.AP-106	3.3.1-21	A
VII.E2.AP-141	3.3.1-25	A
VII.A4.AP-110	3.3.1-25	A
VII.E2.AP-141	3.3.1-25	A
VII.I.AP-124	3.3.1-15	A
VII.C2.AP-202	3.3.1-45	A
VII.I.A-77	3.3.1-78	A
VII.E3.AP-140	3.3.1-22	A
VII.E3.AP-110	3.3.1-25	A
VII.D.A-80	3.3.1-78	A
VII.C1.AP-183	3.3.1-38	C

VII.D.A-80	3.3.1-78	A
VII.E4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.E4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.F3.AP-203	3.3.1-46	A
VII.C2.AP-202	3.3.1-45	C
VII.G.A-23	3.3.1-89	A
VII.J.AP-17	3.3.1-120	A
VII.F1.AP-202	3.3.1-45	A
VII.E5.AP-281	3.3.1-91	A
VII.E5.AP-278	3.3.1-95	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-112	3.3.1-20	C
VII.E3.AP-110	3.3.1-25	C
VII.F1.AP-99	3.3.1-94	C
VII.G.A-23	3.3.1-89	A
VII.J.AP-17	3.3.1-120	C
VII.J.AP-277	3.3.1-119	A
VII.B.A-07	3.3.1-52	A
VII.H1.A-24	3.3.1-80	E, 1
VII.C3.AP-198	3.3.1-106	A
		G
VII.F1.AP-127	3.3.1-97	C
VII.C1.AP-133	3.3.1-99	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-112	3.3.1-20	C
VII.I.AP-124	3.3.1-15	A
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-110	3.3.1-25	C
VII.E3.AP-110	3.3.1-25	C
VII.E3.AP-112	3.3.1-20	A
VII.C1.AP-196	3.3.1-36	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-17	3.3.1-120	A
VII.C1.AP-183	3.3.1-38	C
VII.J.AP-49	3.3.1-117	A
VII.I.A-77	3.3.1-78	A
VII.H1.A-24	3.3.1-80	A
VII.H1.AP-105	3.3.1-70	A
VII.H2.A-23	3.3.1-89	A
VII.E5.AP-273	3.3.1-95	A
VII.H2.AP-127	3.3.1-97	A
VII.H2.AP-127	3.3.1-97	A
VII.J.AP-15	3.3.1-117	A
VII.H2.AP-128	3.3.1-83	A
VII.H2.AP-127	3.3.1-97	A
VII.J.AP-22	3.3.1-120	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-269	3.3.1-119	A

VII.J.AP-268	3.3.1-119	A
VII.G.A-23	3.3.1-89	A
VII.H1.A-24	3.3.1-80	A
VII.G.A-33	3.3.1-64	A
VII.I.A-77	3.3.1-78	A
VII.G.AP-143	3.3.1-89	A
VII.I.AP-159	3.3.1-81	A
VII.G.AP-197	3.3.1-64	A
VII.G.AP-150	3.3.1-58	A
VII.G.A-55	3.3.1-66	A
VII.J.AP-22	3.3.1-120	A
VII.G.AP-198	3.3.1-106	A
VII.H1.AP-105	3.3.1-70	A
VII.G.A-33	3.3.1-64	A
VII.I.A-77	3.3.1-78	A
		G, 3
VII.E5.AP-278	3.3.1-95	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-15	3.3.1-117	A
VII.C2.AP-199	3.3.1-46	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-22	3.3.1-120	A
VII.C2.A-52	3.3.1-49	A
VII.C1.A-72	3.3.1-42	A
V.D2.EP-91	3.2.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.F1.AP-99	3.3.1-94	C
VII.J.AP-17	3.3.1-120	C
VIII.A.SP-101	3.4.1-16	A
VII.J.AP-144	3.3.1-114	A
VII.A4.AP-110	3.3.1-25	A
V.D2.EP-90	3.2.1-23	C
		G
VII.C1.A-54	3.3.1-40	A
VII.E4.AP-106	3.3.1-21	C
VII.J.AP-17	3.3.1-120	A
VII.A4.AP-140	3.3.1-22	A
VII.J.AP-19	3.3.1-120	A
VII.I.A-77	3.3.1-78	A
VII.A4.AP-110	3.3.1-25	A
VII.E4.AP-106	3.3.1-21	A
VII.E4.AP-127	3.3.1-97	A
VII.E4.AP-127	3.3.1-97	A
VII.E3.AP-283	3.3.1-16	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-283	3.3.1-16	A
VIII.D2.S-11	3.4.1-1	A, 1
VII.C2.AP-205	3.3.1-50	A
VII.C2.AP-199	3.3.1-46	C
VII.H2.AP-41	3.3.1-80	A
VII.I.AP-125	3.3.1-12	A

VII.J.AP-144	3.3.1-114	A
VII.E3.AP-110	3.3.1-25	A
VII.D.A-26	3.3.1-55	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-17	3.3.1-120	A
		H, 1
VII.D.A-80	3.3.1-78	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-120	3.3.1-19	C
VII.E3.AP-140	3.3.1-22	A
VIII.E.S-16	3.4.1-5	A
VII.I.AP-242	3.3.1-14	A
VII.F1.AP-142	3.3.1-92	E, 1
VII.F1.AP-99	3.3.1-94	C
VII.J.AP-17	3.3.1-120	A
VII.D.A-80	3.3.1-78	A
VII.F4.A-08	3.3.1-90	A
VIII.A.SP-101	3.4.1-16	A
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-106	3.3.1-21	A
VII.I.AP-125	3.3.1-12	A
VII.E4.AP-110	3.3.1-25	A
VII.E4.AP-106	3.3.1-21	A
VII.E4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.I.A-77	3.3.1-78	A
VII.E4.AP-110	3.3.1-25	A
VII.E3.A-62	3.3.1-2	A, 1
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-110	3.3.1-25	A
VIII.E.S-16	3.4.1-5	A
VII.C2.AP-189	3.3.1-46	A
VII.C2.A-52	3.3.1-49	C
VII.F4.A-08	3.3.1-90	A
VII.J.AP-13	3.3.1-116	C
VII.C1.AP-179	3.3.1-38	A
VII.I.A-77	3.3.1-78	A
VII.E5.AP-278	3.3.1-95	A
VII.F2.A-08	3.3.1-90	C
VII.C1.A-72	3.3.1-42	A
VII.C1.AP-179	3.3.1-38	A
VII.C1.AP-183	3.3.1-38	C
VII.C3.AP-221	3.3.1-6	E, 1
VII.F2.A-08	3.3.1-90	C
		F, 3
VII.E2.AP-141	3.3.1-25	C
V.A.EP-81	3.2.1-48	A
VII.E3.AP-106	3.3.1-21	A
VII.E2.AP-141	3.3.1-25	A
VII.E2.AP-141	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A

VII.E3.AP-106	3.3.1-21	A
VII.I.A-77	3.3.1-78	A
VII.I.AP-125	3.3.1-12	A
VII.I.A-77	3.3.1-78	A
VII.H2.AP-104	3.3.1-88	A
VII.J.AP-135	3.3.1-113	A
VIII.F.SP-117	3.4.1-21	C
VII.D.A-80	3.3.1-78	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-17	3.3.1-120	A
VII.G.AP-143	3.3.1-89	A
VII.E5.AP-273	3.3.1-95	A
VII.A4.AP-110	3.3.1-25	A
VII.I.AP-125	3.3.1-12	A
VII.J.AP-6	3.3.1-121	C
VII.J.AP-9	3.3.1-114	C
VII.F1.AP-203	3.3.1-46	A
VII.I.AP-124	3.3.1-15	A
VII.G.A-91	3.3.1-62	A
VII.D.A-80	3.3.1-78	A
VII.C2.A-52	3.3.1-49	A
VII.F3.AP-43	3.3.1-72	A
VII.J.AP-144	3.3.1-114	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-36	3.3.1-113	C
VII.I.A-77	3.3.1-78	A
VII.C2.A-52	3.3.1-49	A
VII.F3.AP-202	3.3.1-45	A
VII.D.A-80	3.3.1-78	A
VII.J.AP-17	3.3.1-120	A
V.F.EP-10	3.2.1-57	A
VII.E5.AP-278	3.3.1-95	A
VII.J.AP-17	3.3.1-120	A
VII.H2.AP-128	3.3.1-83	A
VII.H2.AP-43	3.3.1-72	C
VII.I.A-77	3.3.1-78	A
VII.I.A-77	3.3.1-78	A
		G
VII.E5.AP-281	3.3.1-91	A
VII.E5.AP-281	3.3.1-91	A
VII.J.AP-17	3.3.1-120	A
VII.E5.AP-278	3.3.1-95	A
VII.E3.AP-112	3.3.1-20	C
VII.E5.AP-281	3.3.1-91	A
VII.I.A-77	3.3.1-78	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
		G
VII.E3.AP-110	3.3.1-25	C
VII.J.AP-14	3.3.1-117	A
III.B5.TP-261	3.5.1-88	E, 1

VII.A4.AP-130	3.3.1-25	C
III.B5.TP-8	3.5.1-95	A
VII.A4.AP-110	3.3.1-25	C
VII.A4.AP-130	3.3.1-25	C
VII.C1.AP-183	3.3.1-38	C
VII.F4.AP-113	3.3.1-82	A
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VIII.E.SP-77	3.4.1-15	A
VII.E3.AP-120	3.3.1-19	A
VII.E3.AP-110	3.3.1-25	C
III.B5.TP-248	3.5.1-80	E, 1
VII.C1.A-47	3.3.1-72	A
VII.C1.AP-133	3.3.1-99	A
VII.C1.AP-196	3.3.1-36	A
VII.I.A-77	3.3.1-78	A
VII.C1.AP-183	3.3.1-38	C
VII.C1.AP-183	3.3.1-38	C
VII.C2.AP-202	3.3.1-45	A
VII.H1.AP-105	3.3.1-70	A
VII.H2.AP-221	3.3.1-6	A
VII.H2.AP-104	3.3.1-88	A
		F, 3
VII.G.AP-149	3.3.1-63	A
VII.G.AP-136	3.3.1-71	A
VII.J.AP-22	3.3.1-120	A
		H, 7
VII.H2.AP-104	3.3.1-88	A
VII.J.AP-144	3.3.1-114	A
VII.I.AP-159	3.3.1-81	A
VII.G.A-33	3.3.1-64	A
VII.G.A-47	3.3.1-72	A
VII.J.AP-6	3.3.1-121	A
VII.G.A-19	3.3.1-57	A
VII.G.A-92	3.3.1-61	A
VII.G.A-91	3.3.1-62	A
VII.G.A-90	3.3.1-60	A
VII.J.AP-36	3.3.1-113	A
VII.I.A-77	3.3.1-78	A
VII.H1.AP-105	3.3.1-70	A
VII.I.A-77	3.3.1-78	A
VII.H2.AP-138	3.3.1-100	A
VII.E5.AP-273	3.3.1-95	A
VII.H1.AP-132	3.3.1-69	A
VII.H2.AP-138	3.3.1-100	A
VII.H2.AP-127	3.3.1-97	A
VII.H1.AP-132	3.3.1-69	E, 3
VII.H2.A-23	3.3.1-89	A
VII.I.AP-124	3.3.1-15	A
VII.C2.AP-189	3.3.1-46	C
VII.I.A-77	3.3.1-78	A

VII.C2.A-50	3.3.1-72	A
VII.E3.AP-140	3.3.1-22	A
VII.E5.AP-280	3.3.1-95	A
V.D2.EP-91	3.2.1-25	A
VII.H2.A-23	3.3.1-89	C
VII.H1.AP-105	3.3.1-70	A
VII.F2.AP-99	3.3.1-94	A, 2
VII.F2.A-08	3.3.1-90	A
VII.F2.A-08	3.3.1-90	A
VII.E4.AP-106	3.3.1-21	A
VII.E5.AP-273	3.3.1-95	A
VII.A4.AP-110	3.3.1-25	A
VII.E4.AP-106	3.3.1-21	A
VII.A4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-106	3.3.1-21	A
VII.C2.AP-199	3.3.1-46	C
VII.C2.AP-189	3.3.1-46	A
VII.A4.AP-111	3.3.1-25	A
VII.J.AP-51	3.3.1-117	A
VII.J.AP-14	3.3.1-117	A
VII.J.AP-17	3.3.1-120	A
VII.D.A-80	3.3.1-78	A
VII.F2.AP-99	3.3.1-94	C
VII.F1.A-08	3.3.1-90	C
VII.G.AP-143	3.3.1-89	C
VII.J.AP-166	3.3.1-117	A
VII.E3.AP-140	3.3.1-22	C
VII.E3.AP-140	3.3.1-22	A
VII.E3.AP-32	3.3.1-72	A
VII.D.A-80	3.3.1-78	A
VII.D.A-80	3.3.1-78	A
		G
VII.F1.AP-142	3.3.1-92	C
VII.F1.A-08	3.3.1-90	A
VII.J.AP-144	3.3.1-114	A
VII.D.AP-81	3.3.1-56	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-17	3.3.1-120	A
VII.G.A-23	3.3.1-89	A
VII.J.AP-144	3.3.1-114	A
VII.G.A-23	3.3.1-89	A
VII.D.AP-81	3.3.1-56	A
		F, 2
		G
VIII.A.SP-101	3.4.1-16	A
VII.E3.AP-106	3.3.1-21	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-51	3.3.1-117	A
VII.E4.AP-106	3.3.1-21	A

VII.I.A-77	3.3.1-78	A
VII.E4.AP-110	3.3.1-25	A
VII.E4.AP-106	3.3.1-21	A
VII.G.A-23	3.3.1-89	A
VII.E4.AP-110	3.3.1-25	A
VII.I.A-77	3.3.1-78	A
VII.E4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.E4.AP-110	3.3.1-25	A
VII.D.A-80	3.3.1-78	A
VII.E4.AP-110	3.3.1-25	A
VII.F1.AP-202	3.3.1-45	A
VII.J.AP-97	3.3.1-117	A
VII.J.AP-135	3.3.1-113	A
VII.F4.AP-142	3.3.1-92	A
VII.F4.A-10	3.3.1-78	A
VII.C1.AP-179	3.3.1-38	A
VII.C1.AP-183	3.3.1-38	A
VII.I.A-77	3.3.1-78	A
VII.D.AP-81	3.3.1-56	E, 2
VII.F1.AP-113	3.3.1-82	A
		G
VII.G.AP-143	3.3.1-89	C
		H, 1
VIII.A.SP-101	3.4.1-16	A
VIII.E.SP-75	3.4.1-12	A
VII.E2.AP-141	3.3.1-25	C
VII.J.AP-51	3.3.1-117	A
VII.E2.AP-141	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.I.AP-124	3.3.1-15	A
VII.I.AP-125	3.3.1-12	A
VII.C2.A-50	3.3.1-72	A
VII.I.A-77	3.3.1-78	A
VII.H2.A-23	3.3.1-89	C
VII.F2.AP-99	3.3.1-94	C
VII.J.AP-17	3.3.1-120	A
VII.F2.AP-99	3.3.1-94	C
VII.C1.AP-183	3.3.1-38	C
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-110	3.3.1-25	C
VII.E3.AP-110	3.3.1-25	C
VII.J.AP-17	3.3.1-120	A
VII.J.AP-166	3.3.1-117	A
VII.G.A-23	3.3.1-89	A
VII.J.AP-144	3.3.1-114	A
		G
VII.F3.AP-142	3.3.1-92	C
VII.F3.A-08	3.3.1-90	A
VII.F3.A-10	3.3.1-78	A
VII.D.A-80	3.3.1-78	A

VII.J.AP-14	3.3.1-117	A
VII.D.A-26	3.3.1-55	A
VII.D.A-26	3.3.1-55	A
VII.D.A-80	3.3.1-78	A
VII.I.AP-126	3.3.1-12	A
VII.I.AP-124	3.3.1-15	A
VII.H2.AP-41	3.3.1-80	A
VII.F4.A-105	3.3.1-78	A, 1
VII.I.AP-124	3.3.1-15	A
VII.H1.A-24	3.3.1-80	E, 2
VII.E5.AP-281	3.3.1-91	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-282	3.3.1-112	A
VII.E5.AP-278	3.3.1-95	A
VII.E5.AP-281	3.3.1-91	A
VII.E5.AP-281	3.3.1-91	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-144	3.3.1-114	A
VII.J.AP-17	3.3.1-120	A
VII.C2.AP-189	3.3.1-46	C
VII.J.AP-97	3.3.1-117	A
VII.J.AP-144	3.3.1-114	A
VII.E5.AP-281	3.3.1-91	A
VII.A4.AP-101	3.3.1-86	A
VII.G.A-23	3.3.1-89	A
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-144	3.3.1-114	A
VII.I.A-77	3.3.1-78	A
VII.G.A-23	3.3.1-89	A
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-106	3.3.1-21	A
VII.J.AP-17	3.3.1-120	C
VII.A4.AP-111	3.3.1-25	A
VII.A4.AP-110	3.3.1-25	C
III.B5.TP-261	3.5.1-88	E, 1
III.B5.TP-8	3.5.1-95	A
VII.B.A-07	3.3.1-52	A
VII.A4.AP-110	3.3.1-25	C
		G
VII.J.AP-144	3.3.1-114	A
VII.I.A-77	3.3.1-78	A
VII.E3.AP-106	3.3.1-21	A
VIII.D2.S-16	3.4.1-5	A
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-120	3.3.1-19	A
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-112	3.3.1-20	A
III.B5.TP-261	3.5.1-88	E, 1
VII.C1.AP-183	3.3.1-38	A
VIII.E.SP-117	3.4.1-19	C
VII.C1.AP-183	3.3.1-38	C

VII.J.AP-17	3.3.1-120	A
VII.I.A-77	3.3.1-78	A
VII.B.A-07	3.3.1-52	A
VII.G.A-23	3.3.1-89	C
VII.I.A-77	3.3.1-78	A
VII.J.AP-166	3.3.1-117	A
VII.H2.AP-133	3.3.1-99	A
		F, 3
VII.G.AP-198	3.3.1-106	A
VII.G.A-51	3.3.1-72	A
VII.G.AP-136	3.3.1-71	A
VII.C1.AP-249	3.3.1-33	E, 5
VII.G.A-33	3.3.1-64	A
VIII.B2.SP-110	3.4.1-39	A
VII.G.AP-132	3.3.1-69	A
VII.I.A-77	3.3.1-78	A
VII.I.AP-256	3.3.1-81	A
VIII.B2.SP-110	3.4.1-39	A
VII.G.AP-143	3.3.1-89	A
VII.H1.A-24	3.3.1-80	A
VII.G.AP-197	3.3.1-64	A
VII.J.AP-144	3.3.1-114	A
VII.H1.AP-105	3.3.1-70	A
VII.G.A-90	3.3.1-60	A, 4
VII.J.AP-6	3.3.1-121	A
VII.F4.AP-102	3.3.1-76	A
VII.H1.A-24	3.3.1-80	E, 1
VII.H2.AP-138	3.3.1-100	A
VII.J.AP-17	3.3.1-120	C
VII.I.A-77	3.3.1-78	A
VII.H2.A-23	3.3.1-89	C
VII.G.AP-143	3.3.1-89	A
VII.J.AP-144	3.3.1-114	A
VII.H1.A-24	3.3.1-80	E, 1
VII.E5.AP-281	3.3.1-91	A
VII.F3.A-105	3.3.1-78	A
VII.I.AP-125	3.3.1-12	A
VII.J.AP-144	3.3.1-114	A
VII.J.AP-14	3.3.1-117	A
VII.J.AP-144	3.3.1-114	C
VII.F4.A-08	3.3.1-90	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-14	3.3.1-117	A
VII.J.AP-277	3.3.1-119	A
VII.E4.AP-106	3.3.1-21	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-17	3.3.1-120	A
VII.F1.AP-202	3.3.1-45	A
VII.G.AP-143	3.3.1-89	C
VII.C1.AP-179	3.3.1-38	A
VIII.A.SP-101	3.4.1-16	A

VII.I.A-77	3.3.1-78	A
VII.F2.AP-102	3.3.1-76	A
VII.A4.AP-140	3.3.1-22	A
VII.E4.AP-106	3.3.1-21	A
VII.A4.AP-110	3.3.1-25	A
VII.A4.AP-110	3.3.1-25	A
VII.E4.AP-106	3.3.1-21	A
VII.J.AP-15	3.3.1-117	A
VII.E3.A-62	3.3.1-2	A, 1
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-283	3.3.1-16	A
VII.H2.AP-133	3.3.1-99	C
V.D2.EP-78	3.2.1-51	A
VII.H2.AP-133	3.3.1-99	C
VII.E3.AP-112	3.3.1-20	A
VII.E3.AP-112	3.3.1-20	A
VII.E3.AP-120	3.3.1-19	C
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.D.AP-81	3.3.1-56	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-106	3.3.1-21	C
VII.J.AP-17	3.3.1-120	A
VII.I.AP-124	3.3.1-15	A
VII.J.AP-17	3.3.1-120	A
VII.E5.AP-278	3.3.1-95	C
VII.J.AP-36	3.3.1-113	C
VII.I.AP-125	3.3.1-12	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-135	3.3.1-113	A
VII.F1.AP-99	3.3.1-94	C
VII.G.A-23	3.3.1-89	A
VII.F4.A-08	3.3.1-90	A
VII.G.A-23	3.3.1-89	A
VII.I.A-77	3.3.1-78	A
VII.E4.AP-110	3.3.1-25	A
VII.E4.AP-106	3.3.1-21	A
VII.I.A-77	3.3.1-78	A
VII.E4.AP-110	3.3.1-25	A
VII.E4.AP-106	3.3.1-21	A
VII.E4.AP-110	3.3.1-25	A
VII.D.A-80	3.3.1-78	A
VII.G.AP-143	3.3.1-89	C
VII.I.A-77	3.3.1-78	A
VII.H2.AP-133	3.3.1-99	A
VII.F1.A-08	3.3.1-90	C
VII.C2.A-52	3.3.1-49	A

VII.J.AP-144	3.3.1-114	A
VII.J.AP-9	3.3.1-114	A
VII.I.AP-125	3.3.1-12	A
VII.G.A-33	3.3.1-64	A
VII.G.A-33	3.3.1-64	A
VII.G.AP-180	3.3.1-65	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-8	3.3.1-114	A
VII.G.AP-198	3.3.1-106	A
VII.G.A-90	3.3.1-60	A, 4
VII.G.A-92	3.3.1-61	A
VII.I.A-77	3.3.1-78	A
VII.H1.AP-105	3.3.1-70	A
VII.H1.AP-105	3.3.1-70	A
VII.G.A-51	3.3.1-72	A
VII.H2.AP-127	3.3.1-97	A
VII.H2.AP-127	3.3.1-97	A
VII.H2.AP-127	3.3.1-97	A
VII.I.A-77	3.3.1-78	A
VII.H1.AP-136	3.3.1-71	A
VII.H2.AP-43	3.3.1-72	A
VII.H2.AP-133	3.3.1-99	A
VII.H1.AP-136	3.3.1-71	A
VII.G.AP-143	3.3.1-89	A
VII.J.AP-17	3.3.1-120	A
VII.I.AP-124	3.3.1-15	A
V.D2.EP-91	3.2.1-25	A
VII.I.A-77	3.3.1-78	A
VII.H1.A-24	3.3.1-80	E, 1
VII.A4.AP-110	3.3.1-25	A
VII.A4.AP-110	3.3.1-25	A
VII.A4.AP-110	3.3.1-25	A
VII.E2.AP-141	3.3.1-25	A
VII.F1.A-105	3.3.1-78	A
VII.I.AP-124	3.3.1-15	A
VII.I.A-77	3.3.1-78	A
VII.B.A-07	3.3.1-52	A
VII.D.A-80	3.3.1-78	A
VII.E3.AP-110	3.3.1-25	A
VIII.E.SP-117	3.4.1-19	C
VII.C1.AP-183	3.3.1-38	C
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.F2.AP-99	3.3.1-94	C
VII.J.AP-144	3.3.1-114	A
		G, 2
VII.I.AP-124	3.3.1-15	A
VII.F1.AP-205	3.3.1-50	A
VII.G.A-90	3.3.1-60	A
VII.F3.AP-202	3.3.1-45	A
VII.E5.AP-278	3.3.1-95	C

VII.E5.AP-280	3.3.1-95	A
VII.F3.AP-43	3.3.1-72	A
VII.F3.AP-199	3.3.1-46	A
VII.I.A-77	3.3.1-78	A
VII.D.A-26	3.3.1-55	A
VII.D.A-80	3.3.1-78	A
VII.J.AP-97	3.3.1-117	A
VII.F1.A-08	3.3.1-90	C
VII.D.A-80	3.3.1-78	A
VII.I.AP-125	3.3.1-12	A
VII.C2.AP-199	3.3.1-46	C
VII.H2.AP-41	3.3.1-80	A
		H, 2
VII.H1.A-24	3.3.1-80	A
VII.J.AP-13	3.3.1-116	A
		G, 3
VII.E3.AP-110	3.3.1-25	A
VII.F1.AP-203	3.3.1-46	A
VII.F1.AP-205	3.3.1-50	A
VII.E3.AP-106	3.3.1-21	C
VII.E3.AP-106	3.3.1-21	C
VII.E3.AP-120	3.3.1-19	C
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-110	3.3.1-25	C
VII.E3.AP-110	3.3.1-25	C
VII.F1.AP-202	3.3.1-45	A
VII.J.AP-13	3.3.1-116	C
VII.F1.A-10	3.3.1-78	A
		F, 2
VII.J.AP-22	3.3.1-120	A
VII.J.AP-9	3.3.1-114	A
VII.F4.A-10	3.3.1-78	A
VII.J.AP-144	3.3.1-114	A
VII.I.AP-124	3.3.1-15	A
IV.C1.R-220	3.1.1-6	C, 1
VII.J.AP-17	3.3.1-120	A
VII.E4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.E4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.C2.A-52	3.3.1-49	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-97	3.3.1-117	A
VII.F1.AP-127	3.3.1-97	A
VII.J.AP-17	3.3.1-120	A
VII.F1.AP-199	3.3.1-46	A
VII.J.AP-144	3.3.1-114	A
VII.J.AP-17	3.3.1-120	C
VII.I.A-77	3.3.1-78	A
VII.E3.AP-110	3.3.1-25	A
VII.E5.AP-281	3.3.1-91	A

VII.J.AP-17	3.3.1-120	A
VII.E5.AP-278	3.3.1-95	A
VII.A2.AP-236	3.3.1-102	A
VII.J.AP-123	3.3.1-120	C
VII.H1.A-24	3.3.1-80	E, 1
VII.C1.AP-183	3.3.1-38	C
		G
VII.J.AP-15	3.3.1-117	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-112	3.3.1-20	A
VII.E3.AP-110	3.3.1-25	C
VII.B.A-07	3.3.1-52	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-144	3.3.1-114	A
VII.C1.AP-196	3.3.1-36	A
VII.J.AP-144	3.3.1-114	A
VII.J.AP-97	3.3.1-117	A
VII.J.AP-14	3.3.1-117	A
VII.J.AP-17	3.3.1-120	A
VII.J.AP-97	3.3.1-117	A
VII.H1.AP-105	3.3.1-70	A
VII.H1.A-24	3.3.1-80	A
VII.H2.AP-127	3.3.1-97	A
VII.H2.AP-104	3.3.1-88	A
		F, 3
VII.J.AP-17	3.3.1-120	A
VII.C1.A-54	3.3.1-40	A
		G
VII.G.AP-143	3.3.1-89	C
VIII.A.SP-101	3.4.1-16	A
VIII.E.SP-75	3.4.1-12	A
VII.E2.AP-141	3.3.1-25	C
VII.J.AP-17	3.3.1-120	C
VII.J.AP-14	3.3.1-117	A
VII.I.A-77	3.3.1-78	A
VII.E3.AP-106	3.3.1-21	A
VII.E3.AP-106	3.3.1-21	A
VII.A4.AP-110	3.3.1-25	A
VII.I.AP-125	3.3.1-12	A
VII.I.AP-125	3.3.1-12	A
VII.E3.AP-106	3.3.1-21	A
VII.C1.AP-196	3.3.1-36	A
VII.J.AP-144	3.3.1-114	A
VIII.F.SP-117	3.4.1-21	C
VII.I.AP-124	3.3.1-15	A
VII.J.AP-9	3.3.1-114	C
VII.J.AP-144	3.3.1-114	A
VII.C2.A-52	3.3.1-49	A

VII.D.A-80	3.3.1-78	A
VII.F3.AP-203	3.3.1-46	A
VII.D.A-80	3.3.1-78	A
V.F.EP-10	3.2.1-57	A
VII.I.AP-125	3.3.1-12	A
VII.D.AP-81	3.3.1-56	A
VII.F1.AP-99	3.3.1-94	A
VII.F1.AP-99	3.3.1-94	A, 2
VII.H2.AP-127	3.3.1-97	A
VII.H2.AP-41	3.3.1-80	A
VII.G.AP-143	3.3.1-89	C
VII.F4.AP-142	3.3.1-92	A
VII.D.AP-121	3.3.1-12	A
VII.J.AP-13	3.3.1-116	A
VII.E5.AP-281	3.3.1-91	A
VII.J.AP-14	3.3.1-117	A
VII.J.AP-22	3.3.1-120	A
VII.C2.AP-133	3.3.1-99	A
VII.F3.AP-203	3.3.1-46	A
VII.J.AP-97	3.3.1-117	A
VII.C2.A-52	3.3.1-49	A
VII.J.AP-22	3.3.1-120	A
VII.J.AP-144	3.3.1-114	A
VII.I.A-77	3.3.1-78	A
VII.F2.AP-99	3.3.1-94	C
VII.H1.AP-198	3.3.1-106	C
VII.A4.AP-110	3.3.1-25	A
VII.F2.AP-113	3.3.1-82	A
VII.J.AP-17	3.3.1-120	A
VII.A4.AP-110	3.3.1-25	A
VII.I.A-77	3.3.1-78	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-144	3.3.1-114	A
VII.J.AP-17	3.3.1-120	A
VII.A4.AP-110	3.3.1-25	A
VII.I.A-77	3.3.1-78	A
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
VII.C2.AP-205	3.3.1-50	A
VII.J.AP-17	3.3.1-120	C
VII.D.A-80	3.3.1-78	A
VII.E3.AP-106	3.3.1-21	A
VII.I.A-77	3.3.1-78	A
VII.I.A-77	3.3.1-78	A
VII.E3.AP-120	3.3.1-19	A
VII.E3.AP-120	3.3.1-19	A
VII.E3.AP-112	3.3.1-20	A
VII.B.A-07	3.3.1-52	A
VII.I.A-77	3.3.1-78	A
VII.C1.A-51	3.3.1-72	A
VII.I.A-77	3.3.1-78	A

VII.H1.A-24	3.3.1-80	E, 1
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VII.G.AP-143	3.3.1-89	A
VII.J.AP-17	3.3.1-120	A
VII.H1.AP-105	3.3.1-70	A
VII.H2.A-23	3.3.1-89	A
VII.G.A-33	3.3.1-64	A
VII.H1.AP-105	3.3.1-70	A
VII.I.A-77	3.3.1-78	A
VII.J.AP-144	3.3.1-114	A
VII.G.A-33	3.3.1-64	A
VII.G.AP-143	3.3.1-89	A
VII.G.AP-197	3.3.1-64	A
VII.J.AP-144	3.3.1-114	A
VII.J.AP-8	3.3.1-114	A
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VII.E3.AP-106	3.3.1-21	C
VII.I.AP-125	3.3.1-12	A
VII.E3.AP-120	3.3.1-19	C
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-110	3.3.1-25	A
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VII.J.AP-17	3.3.1-120	A
VII.E3.AP-110	3.3.1-25	A
VII.J.AP-51	3.3.1-117	A
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VII.D.AP-81	3.3.1-56	A
VII.G.A-23	3.3.1-89	A
VII.D.A-80	3.3.1-78	A
VII.F1.AP-41	3.3.1-80	A
VII.J.AP-14	3.3.1-117	A
VII.J.AP-97	3.3.1-117	A
VII.E3.AP-140	3.3.1-22	C
VII.E3.AP-140	3.3.1-22	A
VII.J.AP-144	3.3.1-114	A
VII.B.A-07	3.3.1-52	A
VII.E3.AP-110	3.3.1-25	C
VII.F1.AP-99	3.3.1-94	A
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VII.D.A-80	3.3.1-78	A
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VII.E5.AP-274	3.3.1-95	A
VII.J.AP-16	3.3.1-118	A
VII.J.AP-17	3.3.1-120	A
VII.D.A-80	3.3.1-78	A
VII.J.AP-13	3.3.1-116	C
VII.I.A-77	3.3.1-78	A
VII.G.A-23	3.3.1-89	A
VII.E4.AP-106	3.3.1-21	A
VII.E4.AP-110	3.3.1-25	A
VII.G.A-23	3.3.1-89	A
VII.F3.AP-41	3.3.1-80	A
VII.J.AP-22	3.3.1-120	A
VII.D.A-80	3.3.1-78	A
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-112	3.3.1-20	C
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VII.E3.AP-110	3.3.1-25	C
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VII.A4.AP-130	3.3.1-25	C
VII.J.AP-17	3.3.1-120	A
VII.H1.A-24	3.3.1-80	A
VII.D.A-80	3.3.1-78	C
VII.J.AP-6	3.3.1-121	C
VII.I.A-77	3.3.1-78	A
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VII.E3.AP-106	3.3.1-21	A
VII.I.AP-124	3.3.1-15	A
VII.J.AP-14	3.3.1-117	A
VII.E2.AP-141	3.3.1-25	A
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VII.E3.AP-110	3.3.1-25	A
VII.E3.AP-140	3.3.1-22	A
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VII.J.AP-17	3.3.1-120	A
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VII.A4.AP-110	3.3.1-25	E, 1
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VII.J.AP-6	3.3.1-121	C
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VII.J.AP-144	3.3.1-114	A
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VII.I.AP-124	3.3.1-15	A
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VII.F1.AP-202	3.3.1-45	A
VII.I.AP-125	3.3.1-12	A
VII.I.AP-263	3.3.1-15	A
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VII.H2.AP-202	3.3.1-45	A
VII.C2.AP-189	3.3.1-46	A

VII.H2.A-23	3.3.1-89	C
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VII.E5.AP-281	3.3.1-91	A
VII.G.A-02	3.3.1-72	A
VII.J.AP-19	3.3.1-120	A
VII.I.A-77	3.3.1-78	A
VII.E5.AP-278	3.3.1-95	A
VII.C2.AP-199	3.3.1-46	A
VII.I.A-77	3.3.1-78	A
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VII.H2.AP-104	3.3.1-88	A
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VII.F1.AP-202	3.3.1-45	A
VII.C1.AP-179	3.3.1-38	A
VII.J.AP-97	3.3.1-117	A
VII.E3.AP-106	3.3.1-21	A
VII.F2.A-10	3.3.1-78	A
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VII.J.AP-17	3.3.1-120	A
VII.J.AP-17	3.3.1-120	A
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VII.A4.AP-110	3.3.1-25	A
VII.J.AP-14	3.3.1-117	A
VIII.D2.S-16	3.4.1-5	A
VII.J.AP-17	3.3.1-120	A
VII.E3.AP-110	3.3.1-25	A
VIII.D2.S-16	3.4.1-5	A
VII.E3.AP-106	3.3.1-21	A
VII.H2.AP-133	3.3.1-99	C
VII.I.AP-125	3.3.1-12	A
VII.J.AP-51	3.3.1-117	A
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VII.E3.AP-110	3.3.1-25	C
VII.E3.AP-110	3.3.1-25	C
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VII.E5.AP-273	3.3.1-95	A
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VII.J.AP-17	3.3.1-120	A
VII.J.AP-144	3.3.1-114	A

VII.J.AP-6	3.3.1-121	A
VII.G.A-51	3.3.1-72	A
VII.G.A-23	3.3.1-89	A
VII.H1.A-24	3.3.1-80	A
VII.G.AP-150	3.3.1-58	A
VII.G.A-23	3.3.1-89	C
VII.G.A-23	3.3.1-89	C
VII.E5.AP-273	3.3.1-95	A
VII.H2.AP-127	3.3.1-97	A
VII.H1.AP-105	3.3.1-70	A
VII.H1.AP-105	3.3.1-70	A
VII.I.A-77	3.3.1-78	A
VII.H2.A-23	3.3.1-89	A
VII.I.A-77	3.3.1-78	A
VII.I.A-77	3.3.1-78	A
VII.I.AP-124	3.3.1-15	A
VII.J.AP-17	3.3.1-120	A
VII.C2.A-52	3.3.1-49	A
VII.E3.AP-32	3.3.1-72	A
VII.J.AP-144	3.3.1-114	A
VII.E3.AP-106	3.3.1-21	A
VII.J.AP-14	3.3.1-117	A
VII.G.A-33	3.3.1-64	A
VII.G.AP-143	3.3.1-89	C
VII.G.AP-143	3.3.1-89	C
VII.F2.AP-41	3.3.1-80	A
VII.I.AP-124	3.3.1-15	A
VII.I.AP-124	3.3.1-15	A
VII.I.A-77	3.3.1-78	A
VII.C1.AP-179	3.3.1-38	A
VII.C1.AP-179	3.3.1-38	A
VII.C1.A-72	3.3.1-42	A
VII.I.A-77	3.3.1-78	A
VII.C1.A-72	3.3.1-42	A
VII.I.A-77	3.3.1-78	A
VII.F1.AP-102	3.3.1-76	A
VII.G.AP-143	3.3.1-89	C
VII.E3.AP-106	3.3.1-21	C
VII.I.A-77	3.3.1-78	A
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VII.A4.AP-110	3.3.1-25	A
VII.J.AP-17	3.3.1-120	A
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V.D2.E-26	3.2.1-40	A
V.D2.EP-60	3.2.1-16	A
V.E.EP-69	3.2.1-15	A
V.D2.EP-73	3.2.1-17	A
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V.D2.EP-60	3.2.1-16	A
VIII.E.SP-100	3.4.1-18	A
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V.D2.EP-60	3.2.1-16	A
V.D2.EP-60	3.2.1-16	A

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V.D2.EP-60	3.2.1-16	A
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V.D2.E-26	3.2.1-40	A
VII.E5.AP-278	3.3.1-95	A
VII.E5.AP-281	3.3.1-91	A
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VII.F1.AP-65	3.3.1-72	A
V.D2.EP-76	3.2.1-50	C
V.D2.EP-60	3.2.1-16	A
V.D2.EP-77	3.2.1-49	A
V.E.EP-122	3.2.1-15	A
V.E.EP-69	3.2.1-15	A
V.D2.EP-60	3.2.1-16	E, 1, 2
V.E.EP-70	3.2.1-13	A
V.D2.EP-77	3.2.1-49	A
V.D2.EP-73	3.2.1-17	A
V.D2.EP-60	3.2.1-16	A
V.F.EP-16	3.2.1-60	A
V.D2.E-26	3.2.1-40	A
V.D2.EP-60	3.2.1-16	A
V.D2.EP-73	3.2.1-17	A
V.D2.EP-76	3.2.1-50	C
V.D1.EP-80	3.2.1-50	C
V.D2.EP-76	3.2.1-50	C
V.D1.EP-80	3.2.1-50	C
V.D2.EP-76	3.2.1-50	C

VIII.A.SP-101	3.4.1-16	C
V.D2.EP-76	3.2.1-50	C
V.E.E-44	3.2.1-40	A
V.D2.EP-73	3.2.1-17	A, 1
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V.D2.E-26	3.2.1-40	A
V.D2.EP-60	3.2.1-16	A
V.D2.E-26	3.2.1-40	A
V.F.EP-18	3.2.1-63	A
V.D2.E-27	3.2.1-46	A
V.E.E-44	3.2.1-40	A
V.F.EP-18	3.2.1-63	A
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V.D2.EP-73	3.2.1-17	A, 1
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V.D2.EP-60	3.2.1-16	A, 3
V.D2.EP-60	3.2.1-16	A
V.F.EP-18	3.2.1-63	A
V.E.E-44	3.2.1-40	A
V.D2.E-27	3.2.1-46	A
V.D2.EP-61	3.2.1-48	A
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V.E.E-44	3.2.1-40	A
V.D2.EP-60	3.2.1-16	A, 1
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V.D2.EP-60	3.2.1-16	A
V.D2.EP-77	3.2.1-49	A
V.D2.EP-77	3.2.1-49	A
V.D2.E-27	3.2.1-46	A
V.E.EP-70	3.2.1-13	A
V.D2.EP-76	3.2.1-50	C
V.D2.EP-60	3.2.1-16	A
V.E.E-44	3.2.1-40	A
V.D2.EP-77	3.2.1-49	A
V.D2.EP-60	3.2.1-16	A
V.D2.EP-73	3.2.1-17	E, 1, 2
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V.D2.EP-60	3.2.1-16	E, 1, 2
V.D2.EP-60	3.2.1-16	A
V.D2.EP-73	3.2.1-17	A
V.F.EP-18	3.2.1-63	A
V.D2.EP-78	3.2.1-51	A
VII.F1.AP-65	3.3.1-72	A
V.D1.EP-80	3.2.1-50	C

VIII.A.SP-101	3.4.1-16	C
VIII.A.SP-101	3.4.1-16	C
V.D2.EP-76	3.2.1-50	C
V.E.EP-69	3.2.1-15	A
V.E.EP-122	3.2.1-15	A, 1
V.D2.EP-73	3.2.1-17	A
V.D2.EP-73	3.2.1-17	A, 1
V.D2.EP-60	3.2.1-16	A
V.D2.EP-77	3.2.1-49	A
V.D2.EP-60	3.2.1-16	A
V.D2.EP-60	3.2.1-16	A
V.D2.E-27	3.2.1-46	A
V.F.EP-18	3.2.1-63	A
V.D2.EP-61	3.2.1-48	A
V.E.E-44	3.2.1-40	A
V.D2.EP-61	3.2.1-48	A
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V.D2.EP-73	3.2.1-17	A
V.D2.EP-60	3.2.1-16	A
V.D2.EP-73	3.2.1-17	A
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V.D2.EP-60	3.2.1-16	A
V.D2.EP-77	3.2.1-49	A
V.D2.E-27	3.2.1-46	A
V.D2.EP-60	3.2.1-16	A
V.D2.EP-60	3.2.1-16	A
V.D2.EP-60	3.2.1-16	A
V.D2.E-27	3.2.1-46	A
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V.D2.EP-77	3.2.1-49	A
V.D2.EP-73	3.2.1-17	A
V.D2.EP-73	3.2.1-17	A
V.D2.EP-60	3.2.1-16	A
V.D2.EP-73	3.2.1-17	A
VII.F1.AP-142	3.3.1-92	C
V.D2.EP-61	3.2.1-48	C
V.B.E-40	3.2.1-40	A

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V.D2.EP-76	3.2.1-50	C
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VIII.E.SP-100	3.4.1-18	A
V.D2.EP-77	3.2.1-49	A
V.D2.E-26	3.2.1-40	A
V.D2.EP-77	3.2.1-49	A
V.D2.EP-73	3.2.1-17	A
V.D2.EP-73	3.2.1-17	A
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V.F.EP-15	3.2.1-60	A
V.D2.EP-73	3.2.1-17	A
V.D2.EP-60	3.2.1-16	A
VII.A4.AP-140	3.3.1-22	C
V.B.EP-59	3.2.1-38	A
V.D2.EP-78	3.2.1-51	A
V.D1.EP-80	3.2.1-50	C
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V.D2.EP-73	3.2.1-17	A
V.D2.EP-60	3.2.1-16	A
V.D2.EP-77	3.2.1-49	A
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V.F.EP-67	3.2.1-60	A
V.D2.EP-61	3.2.1-48	A
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V.F.EP-18	3.2.1-63	A
V.D2.E-27	3.2.1-46	A
V.F.EP-66	3.2.1-60	A
VII.E5.AP-278	3.3.1-95	A
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V.D2.EP-74	3.2.1-19	A
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VII.G.AP-143	3.3.1-89	A
V.F.EP-18	3.2.1-63	A
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V.D2.EP-60	3.2.1-16	A
V.D2.EP-73	3.2.1-17	A
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V.D2.EP-77	3.2.1-49	A
V.D2.E-27	3.2.1-46	C
V.D2.EP-73	3.2.1-17	A
V.D2.E-27	3.2.1-46	C
VIII.A.SP-101	3.4.1-16	C
V.F.EP-10	3.2.1-57	C
VIII.A.SP-101	3.4.1-16	C
V.D2.EP-76	3.2.1-50	C
VIII.A.SP-101	3.4.1-16	C
V.D2.E-26	3.2.1-40	A
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V.D2.EP-60	3.2.1-16	A
V.D2.EP-60	3.2.1-16	A
V.D2.E-26	3.2.1-40	A
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V.D2.E-27	3.2.1-46	A
V.D2.E-26	3.2.1-40	A
V.D2.E-27	3.2.1-46	A
V.E.EP-69	3.2.1-15	A
V.F.EP-66	3.2.1-60	A
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V.D2.EP-60	3.2.1-16	A
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V.D2.EP-73	3.2.1-17	A
V.E.E-44	3.2.1-40	A
V.F.EP-15	3.2.1-60	A
V.D2.EP-60	3.2.1-16	A
V.D2.EP-73	3.2.1-17	A
VIII.B2.SP-98	3.4.1-11	A
VIII.B2.SP-98	3.4.1-11	A
V.D2.EP-73	3.2.1-17	A
V.F.EP-18	3.2.1-63	A
V.D2.EP-77	3.2.1-49	A
V.D2.EP-60	3.2.1-16	A
V.D2.E-27	3.2.1-46	A
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VIII.B2.SP-98	3.4.1-11	A
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V.D2.E-07	3.2.1-11	A, 3
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V.D2.EP-60	3.2.1-16	A
V.D2.EP-77	3.2.1-49	A
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V.D2.EP-76	3.2.1-50	C
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V.E.EP-122	3.2.1-15	A, 1
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V.D2.EP-60	3.2.1-16	A
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V.D2.EP-60	3.2.1-16	A
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V.D2.EP-73	3.2.1-17	A
V.D2.E-26	3.2.1-40	A
V.D2.EP-60	3.2.1-16	A
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VII.A4.AP-140	3.3.1-22	C
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V.D2.EP-73	3.2.1-17	A
V.D2.EP-77	3.2.1-49	A
V.F.EP-18	3.2.1-63	C
VIII.A.SP-101	3.4.1-16	C
V.D2.EP-60	3.2.1-16	A
V.F.EP-10	3.2.1-57	C
V.D2.EP-76	3.2.1-50	C
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IV.B1.R-104	3.1.1-102	C
IV.B1.RP-26	3.1.1-43	A
IV.B1.R-99	3.1.1-103	A
IV.B1.R-104	3.1.1-102	A
IV.B1.RP-381	3.1.1-104	A
IV.B1.RP-377	3.1.1-100	A
IV.B1.R-100	3.1.1-103	A
IV.B1.R-100	3.1.1-103	A
IV.B1.RP-26	3.1.1-43	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-369	3.1.1-98	A
V.E.E-44	3.2.1-40	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
V.E.EP-69	3.2.1-15	A

IV.A1.RP-50	3.1.1-84	A
IV.B1.RP-26	3.1.1-43	A
IV.B1.R-104	3.1.1-102	C
IV.B1.RP-26	3.1.1-43	A
IV.C1.RP-230	3.1.1-39	A
IV.A1.RP-371	3.1.1-30	C
		H, 2
IV.E.RP-04	3.1.1-107	A
IV.C1.RP-42	3.1.1-63	A
IV.A1.R-64	3.1.1-94	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-64	3.1.1-94	A
IV.B1.R-96	3.1.1-103	A
IV.B1.RP-26	3.1.1-43	E, 2
VIII.B2.SP-98	3.4.1-11	A
IV.C1.R-220	3.1.1-6	A, 1
VIII.B2.SP-160	3.4.1-14	A
V.D2.EP-60	3.2.1-16	A
IV.B1.RP-26	3.1.1-43	A
IV.B1.R-100	3.1.1-103	C
IV.A1.RP-157	3.1.1-85	A
		H, 2
IV.C1.R-220	3.1.1-6	A, 1
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-50	3.1.1-84	C
IV.A1.RP-157	3.1.1-85	A
IV.B1.R-100	3.1.1-103	C
IV.B1.R-100	3.1.1-103	C
IV.A1.RP-157	3.1.1-85	A
IV.E.RP-03	3.1.1-106	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.E.RP-03	3.1.1-106	A
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-371	3.1.1-30	C
IV.A1.R-68	3.1.1-97	A
IV.A1.R-68	3.1.1-97	A
VII.E3.AP-112	3.3.1-20	A
VII.C2.A-52	3.3.1-49	C
IV.E.RP-03	3.1.1-106	A
IV.A1.RP-369	3.1.1-98	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.R-53	3.1.1-3	A, 1
IV.B1.R-104	3.1.1-102	A
IV.B1.R-104	3.1.1-102	C
IV.B1.R-99	3.1.1-103	A

IV.B1.R-53	3.1.1-3	A, 8
IV.A1.RP-50	3.1.1-84	C
IV.E.RP-04	3.1.1-107	A
VIII.B2.SP-155	3.4.1-16	A, 4
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-157	3.1.1-85	A
IV.B1.RP-381	3.1.1-104	A
IV.B1.RP-219	3.1.1-99	C
IV.B1.RP-26	3.1.1-43	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-04	3.1.1-7	A, 1
IV.E.RP-03	3.1.1-106	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-201	3.1.1-1	A, 1
V.E.EP-70	3.2.1-13	A
		H, 2
IV.B1.R-105	3.1.1-103	A
IV.B1.R-53	3.1.1-3	A, 1
IV.B1.RP-26	3.1.1-43	E, 2
V.E.E-44	3.2.1-40	A
IV.C1.RP-39	3.1.1-31	E, 2
IV.C1.RP-230	3.1.1-39	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-64	3.1.1-94	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.B1.R-53	3.1.1-3	A, 1
VII.G.AP-117	3.3.1-97	C
V.D2.E-37	3.2.1-54	A
IV.C1.R-220	3.1.1-6	A, 1
VIII.B2.S-08	3.4.1-1	A, 1
IV.C1.RP-158	3.1.1-79	A
IV.A1.R-04	3.1.1-7	A, 1
IV.C1.RP-230	3.1.1-39	A
IV.C1.RP-230	3.1.1-39	A
		H, 2
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-68	3.1.1-97	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-68	3.1.1-97	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-371	3.1.1-30	C

IV.A1.RP-157	3.1.1-85	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.B1.R-92	3.1.1-103	A
IV.B1.RP-26	3.1.1-43	A
IV.B1.RP-377	3.1.1-100	C, 6
IV.B1.R-99	3.1.1-103	A
IV.B1.RP-381	3.1.1-104	A
		H, 5
V.D2.EP-73	3.2.1-17	A
VIII.B2.SP-98	3.4.1-11	A
VIII.B2.SP-160	3.4.1-14	A
IV.A1.RP-157	3.1.1-85	A
IV.B1.R-100	3.1.1-103	C
		H, 2
IV.E.RP-04	3.1.1-107	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.RP-200	3.1.1-99	A
IV.B1.R-97	3.1.1-103	A
IV.B1.R-97	3.1.1-103	A
IV.A1.R-70	3.1.1-4	A, 1
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-157	3.1.1-85	A
IV.E.RP-04	3.1.1-107	A
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-369	3.1.1-98	A
IV.C1.RP-43	3.1.1-67	A
IV.C1.RP-42	3.1.1-63	A
IV.C1.RP-44	3.1.1-11	A, 1
IV.B1.R-94	3.1.1-29	E, 2
IV.C1.R-220	3.1.1-6	A, 1
IV.C1.RP-43	3.1.1-67	A
IV.A1.R-64	3.1.1-94	A
IV.A1.RP-157	3.1.1-85	A
IV.B1.RP-219	3.1.1-99	A
IV.C1.RP-158	3.1.1-79	A
IV.C1.RP-158	3.1.1-79	A
IV.C1.R-21	3.1.1-97	C
IV.C1.R-220	3.1.1-6	A, 1
VIII.B2.SP-155	3.4.1-16	A
IV.C1.R-20	3.1.1-97	A
V.D2.EP-73	3.2.1-17	A
VIII.B2.SP-160	3.4.1-14	A
IV.C1.R-220	3.1.1-6	A, 1
IV.A1.RP-50	3.1.1-84	C
IV.A1.RP-50	3.1.1-84	C
		H, 2
IV.A1.R-68	3.1.1-97	A
IV.C1.RP-230	3.1.1-39	A

IV.A1.RP-157	3.1.1-85	A
IV.A1.R-68	3.1.1-97	A
IV.B1.R-100	3.1.1-103	C
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.R-68	3.1.1-97	A
IV.A1.R-68	3.1.1-97	A
IV.A1.R-68	3.1.1-97	A
IV.A1.R-04	3.1.1-7	A, 1
IV.E.RP-04	3.1.1-107	A
IV.A1.R-66	3.1.1-96	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-68	3.1.1-97	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-67	3.1.1-13	A, 3
IV.A1.RP-371	3.1.1-30	C
IV.A1.R-04	3.1.1-7	A, 1
IV.E.RP-03	3.1.1-106	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-369	3.1.1-98	A
IV.A1.RP-371	3.1.1-30	C
		H, 2
IV.A1.R-68	3.1.1-97	A
IV.A1.RP-369	3.1.1-98	A
IV.B1.R-93	3.1.1-103	A
IV.B1.R-98	3.1.1-103	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.RP-26	3.1.1-43	A
IV.B1.R-104	3.1.1-102	A
IV.B1.R-100	3.1.1-103	A
IV.A1.R-04	3.1.1-7	A, 1
		H, 3
VIII.B2.SP-155	3.4.1-16	A
IV.A1.RP-369	3.1.1-98	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-371	3.1.1-30	C
		H, 2
IV.E.RP-04	3.1.1-107	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-369	3.1.1-98	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-51	3.1.1-91	A
V.E.EP-69	3.2.1-15	A
IV.B1.RP-26	3.1.1-43	A

IV.B1.R-104	3.1.1-102	C
IV.C1.RP-230	3.1.1-39	A
IV.C1.RP-39	3.1.1-31	C
IV.C1.RP-158	3.1.1-79	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-50	3.1.1-84	C
V.D2.EP-60	3.2.1-16	A
V.D2.EP-60	3.2.1-16	A
IV.C1.RP-158	3.1.1-79	A
IV.C1.R-220	3.1.1-6	A, 1
VIII.B2.SP-160	3.4.1-14	A
IV.C1.R-20	3.1.1-97	A
V.E.E-44	3.2.1-40	A
IV.C1.R-220	3.1.1-6	A, 1
		H, 2
IV.A1.R-04	3.1.1-7	A, 1
IV.B1.R-100	3.1.1-103	C
		H, 2
IV.A1.RP-50	3.1.1-84	C
IV.B1.R-100	3.1.1-103	C
		H, 4
IV.A1.RP-369	3.1.1-98	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-157	3.1.1-85	A
		H, 2
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-371	3.1.1-30	C
IV.B1.R-100	3.1.1-103	C
IV.A1.R-68	3.1.1-97	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-157	3.1.1-85	A
IV.B1.R-100	3.1.1-103	C
IV.B1.R-100	3.1.1-103	C
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-50	3.1.1-84	C
IV.A1.RP-157	3.1.1-85	A
IV.E.RP-03	3.1.1-106	A
IV.B1.RP-26	3.1.1-43	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.RP-26	3.1.1-43	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.R-53	3.1.1-3	A, 1
IV.B1.RP-26	3.1.1-43	A
IV.B1.R-99	3.1.1-103	A
IV.B1.RP-219	3.1.1-99	C
IV.B1.RP-26	3.1.1-43	A
IV.B1.RP-26	3.1.1-43	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.R-100	3.1.1-103	C

IV.B1.R-100	3.1.1-103	C
IV.B1.R-100	3.1.1-103	C
IV.A1.RP-369	3.1.1-98	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-369	3.1.1-98	A
IV.C1.RP-44	3.1.1-11	A, 1
IV.E.RP-07	3.1.1-107	C
IV.B1.RP-26	3.1.1-43	E, 2
IV.A1.R-68	3.1.1-97	A
IV.A1.R-68	3.1.1-97	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-64	3.1.1-94	A
IV.B1.R-96	3.1.1-103	A
IV.B1.RP-26	3.1.1-43	A
IV.B1.R-100	3.1.1-103	A
IV.B1.R-100	3.1.1-103	A
IV.B1.RP-26	3.1.1-43	A
VII.G.AP-117	3.3.1-97	C
VIII.B2.SP-155	3.4.1-16	A
IV.C1.RP-158	3.1.1-79	A
V.D2.EP-73	3.2.1-17	A
V.D2.E-37	3.2.1-54	A
V.D2.EP-60	3.2.1-16	A
IV.C1.R-220	3.1.1-6	A, 1
IV.C1.R-220	3.1.1-6	A, 1
IV.C1.R-20	3.1.1-97	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.R-100	3.1.1-103	C
IV.C1.RP-230	3.1.1-39	A
IV.C1.RP-230	3.1.1-39	A
IV.E.RP-04	3.1.1-107	A
IV.C1.RP-39	3.1.1-31	E, 2
IV.C1.R-220	3.1.1-6	A, 1
IV.A1.RP-157	3.1.1-85	A
		H, 2
IV.A1.RP-50	3.1.1-84	C
IV.A1.RP-50	3.1.1-84	C
IV.A1.RP-157	3.1.1-85	A
IV.E.RP-04	3.1.1-107	A
IV.A1.RP-50	3.1.1-84	C
IV.A1.R-04	3.1.1-7	A, 1
IV.B1.R-100	3.1.1-103	C
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-371	3.1.1-30	C
		H, 2
IV.A1.R-68	3.1.1-97	A
IV.E.RP-03	3.1.1-106	A
IV.A1.R-68	3.1.1-97	A
		H, 2

IV.A1.R-68	3.1.1-97	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
VII.E3.AP-112	3.3.1-20	A
VII.A4.AP-111	3.3.1-25	A
IV.A1.RP-157	3.1.1-85	A
IV.B1.R-92	3.1.1-103	A
		H, 3
IV.B1.RP-220	3.1.1-99	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.R-105	3.1.1-103	C
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.RP-220	3.1.1-99	C
IV.B1.RP-26	3.1.1-43	A
		H, 4
IV.A1.RP-50	3.1.1-84	C
		H, 2
V.D2.EP-73	3.2.1-17	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-157	3.1.1-85	A
IV.B1.RP-381	3.1.1-104	A
IV.B1.R-97	3.1.1-103	A
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-371	3.1.1-30	C
IV.E.RP-03	3.1.1-106	A
IV.E.RP-04	3.1.1-107	A
IV.A1.RP-369	3.1.1-98	A
IV.A1.RP-165	3.1.1-91	A
IV.C1.RP-44	3.1.1-11	A, 1
V.E.EP-70	3.2.1-13	A
IV.A1.RP-50	3.1.1-84	A
IV.A1.R-62	3.1.1-13	A, 3
IV.A1.RP-157	3.1.1-85	A
IV.B1.RP-26	3.1.1-43	E, 2
IV.C1.R-21	3.1.1-97	E, 2
IV.C1.R-08	3.1.1-38	A
IV.E.RP-04	3.1.1-107	A
V.D2.EP-73	3.2.1-17	A
V.D2.E-37	3.2.1-54	A
V.D2.E-37	3.2.1-54	E, 5
IV.C1.RP-158	3.1.1-79	A
IV.A1.R-68	3.1.1-97	A
IV.C1.RP-230	3.1.1-39	A
IV.C1.RP-39	3.1.1-31	C
V.E.E-44	3.2.1-40	A
V.E.E-44	3.2.1-40	A
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-157	3.1.1-85	A

IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-50	3.1.1-84	C
		H, 5
V.E.E-44	3.2.1-40	A
V.D2.E-10	3.2.1-1	A, 1
IV.C1.R-20	3.1.1-97	E, 5
IV.C1.RP-158	3.1.1-79	A
IV.C1.RP-158	3.1.1-79	A
IV.E.RP-04	3.1.1-107	A
V.D2.EP-73	3.2.1-17	A
IV.C1.R-20	3.1.1-97	E, 5
IV.A1.RP-157	3.1.1-85	A
IV.C1.RP-39	3.1.1-31	E, 2
IV.C1.RP-39	3.1.1-31	C
IV.A1.RP-371	3.1.1-30	C
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-157	3.1.1-85	A
IV.B1.R-100	3.1.1-103	C
IV.A1.R-65	3.1.1-95	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.RP-50	3.1.1-84	C
		H, 2
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-369	3.1.1-98	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-369	3.1.1-98	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.RP-157	3.1.1-85	A
IV.A1.R-04	3.1.1-7	A, 1
IV.B1.RP-26	3.1.1-43	A
IV.B1.RP-26	3.1.1-43	A
		H, 4
IV.B1.RP-26	3.1.1-43	E, 2
IV.B1.R-100	3.1.1-103	A
IV.B1.RP-219	3.1.1-99	A
VIII.B2.SP-98	3.4.1-11	A
IV.A1.R-04	3.1.1-7	A, 1
IV.B1.RP-26	3.1.1-43	A
IV.B1.R-97	3.1.1-103	A
IV.A1.RP-371	3.1.1-30	C
IV.E.RP-03	3.1.1-106	A
IV.B1.R-105	3.1.1-103	A
IV.C1.RP-230	3.1.1-39	A
IV.E.RP-04	3.1.1-107	A
IV.C1.RP-230	3.1.1-39	A
IV.A1.RP-371	3.1.1-30	C
IV.A1.RP-227	3.1.1-14	A
IV.A1.R-04	3.1.1-7	A, 1
IV.A1.R-64	3.1.1-94	A

VII.E5.AP-281	3.3.1-91	A
IV.E.RP-04	3.1.1-107	A
VIII.B2.SP-98	3.4.1-11	A
IV.C1.R-20	3.1.1-97	A
V.E.E-44	3.2.1-40	A
V.D2.EP-60	3.2.1-16	A
VIII.B2.SP-160	3.4.1-14	A
V.D2.EP-60	3.2.1-16	A
IV.C1.R-08	3.1.1-38	A
IV.E.RP-04	3.1.1-107	A
IV.A1.RP-371	3.1.1-30	C
IV.A1.R-70	3.1.1-4	A, 1, 2
IV.A1.R-68	3.1.1-97	A
IV.A1.RP-157	3.1.1-85	A
VIII.D2.S-11	3.4.1-1	A, 1
VIII.D2.S-16	3.4.1-5	A
VIII.D2.SP-73	3.4.1-14	A
VIII.A.SP-101	3.4.1-16	C
VIII.E.SP-90	3.4.1-16	C
VIII.D2.SP-90	3.4.1-16	C
VIII.E.SP-77	3.4.1-15	A
VIII.H.S-29	3.4.1-34	A
VIII.I.SP-9	3.4.1-55	A
VIII.H.S-29	3.4.1-34	A
VIII.E.SP-146	3.4.1-19	C
VIII.H.S-29	3.4.1-34	A
VIII.I.SP-12	3.4.1-58	A
VII.F1.AP-102	3.3.1-76	A
VIII.E.SP-87	3.4.1-16	A
VIII.C.SP-88	3.4.1-11	A
VIII.E.SP-77	3.4.1-15	A
VIII.E.SP-77	3.4.1-15	A
VIII.H.SP-84	3.4.1-8	A
VIII.D2.SP-73	3.4.1-14	A
VIII.H.S-29	3.4.1-34	A
VIII.D2.S-16	3.4.1-5	A
VIII.B2.S-08	3.4.1-1	A, 1
VIII.B2.SP-73	3.4.1-14	A
VIII.C.SP-88	3.4.1-11	A
VIII.B2.SP-160	3.4.1-14	A
VIII.C.SP-87	3.4.1-16	A
VIII.H.S-29	3.4.1-34	A
VIII.H.S-29	3.4.1-34	A
VIII.D2.S-16	3.4.1-5	C
VIII.I.SP-12	3.4.1-58	A
VIII.E.SP-87	3.4.1-16	A
VIII.E.SP-87	3.4.1-16	A
VIII.E.S-16	3.4.1-5	A
VIII.E.SP-127	3.4.1-3	A
VIII.C.SP-87	3.4.1-16	A
VIII.C.SP-73	3.4.1-14	A

VIII.C.SP-73	3.4.1-14	A
VIII.B2.SP-73	3.4.1-14	A
VIII.B2.SP-73	3.4.1-14	A
VIII.A.SP-95	3.4.1-44	A
VIII.I.SP-12	3.4.1-58	A
VIII.I.SP-12	3.4.1-58	A
VIII.D2.SP-87	3.4.1-16	A
VIII.I.SP-12	3.4.1-58	A
VIII.D2.SP-73	3.4.1-14	A
VIII.D2.SP-87	3.4.1-16	A
VIII.H.S-29	3.4.1-34	A
VIII.I.SP-6	3.4.1-54	C
VIII.I.SP-93	3.4.1-52	C
VIII.I.SP-6	3.4.1-54	C
VIII.E.SP-77	3.4.1-15	A
VIII.D2.SP-73	3.4.1-14	A
VIII.H.SP-82	3.4.1-8	A, 1
VIII.E.SP-146	3.4.1-19	C
VIII.E.S-16	3.4.1-5	A
VIII.C.SP-87	3.4.1-16	A
VIII.I.SP-12	3.4.1-58	A
VIII.B2.SP-73	3.4.1-14	A
VIII.H.S-29	3.4.1-34	A
VIII.A.SP-91	3.4.1-40	A
VIII.H.S-29	3.4.1-34	A
VIII.C.SP-87	3.4.1-16	A
VIII.D2.S-16	3.4.1-5	A
VIII.B2.S-08	3.4.1-1	A, 1
VIII.B2.S-08	3.4.1-1	A, 1
VIII.D2.SP-73	3.4.1-14	C
VIII.H.S-29	3.4.1-34	A
VIII.I.SP-35	3.4.1-55	A
VIII.E.SP-73	3.4.1-14	A
VIII.H.S-29	3.4.1-34	A
VIII.I.SP-35	3.4.1-55	A
VIII.E.S-16	3.4.1-5	A
VIII.I.SP-12	3.4.1-58	A
VIII.E.SP-73	3.4.1-14	A
VIII.I.SP-12	3.4.1-58	A
VIII.H.S-29	3.4.1-34	A
VIII.A.SP-71	3.4.1-14	A
VIII.D2.S-16	3.4.1-5	A
VIII.I.SP-12	3.4.1-58	A
VIII.D2.S-16	3.4.1-5	A
VIII.D2.SP-73	3.4.1-14	A
VIII.D2.S-11	3.4.1-1	A, 1
VIII.E.SP-73	3.4.1-14	A
VIII.H.SP-84	3.4.1-8	A
VIII.F.SP-117	3.4.1-21	E, 1, 2
VIII.H.SP-83	3.4.1-10	A

VIII.B2.S-08	3.4.1-1	A, 4
VIII.E.SP-73	3.4.1-14	A
VIII.E.SP-73	3.4.1-14	A
VIII.I.SP-12	3.4.1-58	A
VIII.B2.S-08	3.4.1-1	A, 4
VIII.E.S-16	3.4.1-5	A
VIII.E.SP-73	3.4.1-14	A
VIII.E.SP-73	3.4.1-14	A
VIII.E.SP-77	3.4.1-15	A
VIII.A.SP-101	3.4.1-16	C
VIII.I.SP-93	3.4.1-52	C
VIII.H.SP-83	3.4.1-10	A
VIII.H.S-29	3.4.1-34	A
VIII.B2.SP-73	3.4.1-14	A
VIII.C.SP-87	3.4.1-16	A
VIII.I.SP-12	3.4.1-58	A
VIII.B2.SP-110	3.4.1-39	A
VIII.I.SP-12	3.4.1-58	A
VIII.B2.SP-73	3.4.1-14	A
VIII.D2.SP-87	3.4.1-16	A
VIII.E.SP-73	3.4.1-14	A
VIII.H.S-29	3.4.1-34	A
VIII.E.SP-87	3.4.1-16	A
VIII.E.SP-87	3.4.1-16	A
VIII.C.SP-88	3.4.1-11	A
VIII.I.SP-12	3.4.1-58	A
VIII.C.SP-88	3.4.1-11	A
VIII.C.SP-73	3.4.1-14	A
VIII.E.S-16	3.4.1-5	A
VIII.H.S-29	3.4.1-34	A
VIII.H.S-29	3.4.1-34	A
VIII.I.SP-4	3.4.1-59	A
VIII.B2.SP-73	3.4.1-14	A
VIII.A.S-15	3.4.1-5	A
VIII.D1.SP-88	3.4.1-11	A
VIII.C.SP-87	3.4.1-16	A
VIII.C.SP-88	3.4.1-11	A
VIII.I.SP-12	3.4.1-58	A
VIII.B2.SP-73	3.4.1-14	A
VIII.B2.SP-160	3.4.1-14	A
VIII.C.SP-87	3.4.1-16	A
VIII.C.SP-88	3.4.1-11	A
VIII.C.SP-87	3.4.1-16	A
VIII.C.SP-88	3.4.1-11	A
VIII.C.SP-87	3.4.1-16	A
VIII.H.S-29	3.4.1-34	A
VIII.C.SP-73	3.4.1-14	A
VIII.I.SP-35	3.4.1-55	A
VIII.H.S-29	3.4.1-34	A
VIII.E.SP-73	3.4.1-14	A
VIII.I.SP-12	3.4.1-58	A

VIII.E.SP-146	3.4.1-19	C
VIII.F.SP-117	3.4.1-21	C
VIII.E.SP-146	3.4.1-19	C
VII.C1.AP-75	3.3.1-32x	A
VIII.E.SP-77	3.4.1-15	A
VIII.H.SP-83	3.4.1-10	A
VIII.C.SP-87	3.4.1-16	A
VIII.C.SP-88	3.4.1-11	A
VIII.C.SP-87	3.4.1-16	A
VIII.I.SP-12	3.4.1-58	A
VIII.D2.S-16	3.4.1-5	A
VIII.C.SP-87	3.4.1-16	A
VIII.B2.SP-73	3.4.1-14	A
VIII.B2.SP-73	3.4.1-14	A
VIII.H.S-29	3.4.1-34	A
VIII.D1.SP-88	3.4.1-11	A
VIII.D2.SP-73	3.4.1-14	A
VIII.D2.SP-73	3.4.1-14	C
V.E.EP-122	3.2.1-15	A, 1
VIII.H.SP-83	3.4.1-10	A
VIII.H.SP-84	3.4.1-8	A
VIII.B2.S-08	3.4.1-1	A, 1
VIII.E.S-16	3.4.1-5	A
VIII.A.SP-71	3.4.1-14	A
VIII.E.SP-73	3.4.1-14	A
VIII.D2.SP-87	3.4.1-16	A
VIII.D1.SP-88	3.4.1-11	A
VIII.A.SP-101	3.4.1-16	C
		H, 2
VIII.E.SP-75	3.4.1-12	A
VIII.E.SP-75	3.4.1-12	A
VIII.I.SP-12	3.4.1-58	A
VIII.I.SP-35	3.4.1-55	A
VIII.H.SP-84	3.4.1-8	A
VIII.I.SP-34	3.4.1-55	A
VIII.I.SP-9	3.4.1-55	A
VIII.H.S-29	3.4.1-34	A
VIII.H.S-29	3.4.1-34	A
VIII.C.SP-88	3.4.1-11	A
VIII.I.SP-12	3.4.1-58	A
VIII.H.S-29	3.4.1-34	A
VIII.I.SP-35	3.4.1-55	A
VIII.B2.SP-73	3.4.1-14	A
VIII.C.SP-88	3.4.1-11	A
VIII.H.S-29	3.4.1-34	A
VIII.C.SP-73	3.4.1-14	A
VIII.B2.SP-73	3.4.1-14	A
VIII.E.S-16	3.4.1-5	A
VIII.D1.SP-88	3.4.1-11	A
VIII.D2.SP-73	3.4.1-14	A
VIII.B2.SP-160	3.4.1-14	A

VIII.C.SP-87	3.4.1-16	A
VIII.B2.SP-73	3.4.1-14	A
VIII.C.SP-88	3.4.1-11	A
VIII.C.SP-87	3.4.1-16	A
VIII.B2.SP-160	3.4.1-14	A
VIII.D2.S-16	3.4.1-5	A
VIII.H.S-29	3.4.1-34	A
VIII.B2.SP-160	3.4.1-14	A
VIII.D2.S-16	3.4.1-5	A
VIII.D2.SP-73	3.4.1-14	A
VIII.D2.SP-73	3.4.1-14	A
VIII.D2.SP-73	3.4.1-14	C
VIII.I.SP-12	3.4.1-58	A
VIII.H.S-29	3.4.1-34	A
VIII.I.SP-9	3.4.1-55	A
VIII.I.SP-35	3.4.1-55	A
VIII.D2.SP-73	3.4.1-14	A
VIII.D2.SP-87	3.4.1-16	A
VIII.B2.S-08	3.4.1-1	A, 1
VIII.E.S-16	3.4.1-5	A
VIII.B2.SP-73	3.4.1-14	A
VIII.D2.S-11	3.4.1-1	A, 1
VIII.D2.SP-87	3.4.1-16	A
VIII.D1.SP-88	3.4.1-11	A
VIII.E.SP-73	3.4.1-14	A
VIII.F.SP-117	3.4.1-21	C
VIII.F.SP-117	3.4.1-21	C
		G, 3
VIII.H.S-29	3.4.1-34	A
VIII.H.SP-84	3.4.1-8	A
VIII.E.SP-87	3.4.1-16	A
VIII.E.SP-73	3.4.1-14	A
VII.G.A-23	3.3.1-89	C
VIII.I.SP-35	3.4.1-55	A
VIII.D2.S-16	3.4.1-5	A
VIII.C.SP-87	3.4.1-16	A
VIII.C.SP-87	3.4.1-16	A
VIII.B2.SP-73	3.4.1-14	A
VIII.B2.S-15	3.4.1-5	A
VIII.C.SP-88	3.4.1-11	A
VIII.C.SP-87	3.4.1-16	A
VIII.B2.SP-73	3.4.1-14	A
VIII.B2.S-15	3.4.1-5	A
VIII.B2.SP-160	3.4.1-14	A
VIII.H.S-29	3.4.1-34	A
VIII.C.SP-87	3.4.1-16	A
VIII.B2.S-15	3.4.1-5	A
VIII.H.S-29	3.4.1-34	A
VIII.I.SP-9	3.4.1-55	A
VIII.E.SP-73	3.4.1-14	A
VIII.E.SP-87	3.4.1-16	A

VIII.I.SP-9	3.4.1-55	A
VIII.C.SP-87	3.4.1-16	A
VIII.C.SP-88	3.4.1-11	A
VIII.E.S-16	3.4.1-5	A
VIII.A.SP-91	3.4.1-40	A
VIII.A.SP-95	3.4.1-44	A
VIII.H.S-29	3.4.1-34	A
VIII.E.SP-87	3.4.1-16	A
VIII.E.SP-73	3.4.1-14	A
VIII.H.SP-84	3.4.1-8	A
VIII.C.SP-87	3.4.1-16	A
VIII.A.SP-91	3.4.1-40	A
VIII.A.SP-91	3.4.1-40	A
VIII.A.S-15	3.4.1-5	A
VIII.A.SP-71	3.4.1-14	A
VIII.B2.SP-73	3.4.1-14	A
VIII.D2.SP-73	3.4.1-14	A
VII.I.AP-264	3.3.1-15	A, 1
VIII.H.SP-151	3.4.1-10	A, 1
VIII.E.SP-145	3.4.1-47	A
VIII.E.SP-127	3.4.1-3	A
VIII.E.SP-146	3.4.1-19	C
VII.H1.A-24	3.3.1-80	A
VIII.H.S-29	3.4.1-34	A
VIII.E.SP-73	3.4.1-14	A
VIII.E.S-16	3.4.1-5	A
VIII.A.SP-101	3.4.1-16	C
VIII.H.S-29	3.4.1-34	A
VIII.A.SP-95	3.4.1-44	A
VIII.I.SP-9	3.4.1-55	A
VIII.B2.SP-73	3.4.1-14	A
VIII.B2.SP-73	3.4.1-14	A
VIII.H.S-29	3.4.1-34	A
VIII.A.SP-91	3.4.1-40	A
VIII.D2.SP-87	3.4.1-16	A
VIII.H.SP-84	3.4.1-8	A
VIII.H.S-29	3.4.1-34	A
VIII.B1.SP-60	3.4.1-37	A
VIII.B2.S-15	3.4.1-5	A
VIII.B2.SP-160	3.4.1-14	A
VIII.D2.SP-87	3.4.1-16	A
VIII.D2.S-16	3.4.1-5	A
VIII.I.SP-9	3.4.1-55	A
VIII.H.S-29	3.4.1-34	A
VIII.A.SP-95	3.4.1-44	A
VIII.A.SP-95	3.4.1-44	A
VIII.H.S-29	3.4.1-34	A
VIII.D2.SP-73	3.4.1-14	A
VIII.E.SP-87	3.4.1-16	A
VIII.E.SP-87	3.4.1-16	A
VIII.E.SP-73	3.4.1-14	A

VIII.E.SP-87	3.4.1-16	A
VIII.I.SP-9	3.4.1-55	A
VIII.H.S-29	3.4.1-34	A
VIII.C.SP-87	3.4.1-16	A
VIII.H.S-29	3.4.1-34	A
VIII.D2.SP-90	3.4.1-16	C
VIII.D2.SP-90	3.4.1-16	C
VIII.H.S-29	3.4.1-34	A
VIII.H.S-29	3.4.1-34	A
VIII.B2.SP-110	3.4.1-39	C
VIII.A.SP-95	3.4.1-44	A
VIII.H.SP-83	3.4.1-10	A
VIII.E.SP-146	3.4.1-19	C
		G, 3
VII.C1.AP-76	3.3.1-32x	A
VIII.H.SP-83	3.4.1-10	A
VIII.H.S-29	3.4.1-34	A
VIII.C.SP-87	3.4.1-16	A
VIII.E.S-16	3.4.1-5	A
VIII.B2.SP-73	3.4.1-14	A
VIII.H.S-29	3.4.1-34	A
VIII.A.SP-91	3.4.1-40	A
VIII.E.S-16	3.4.1-5	A
VIII.B2.SP-73	3.4.1-14	A
VIII.A.SP-71	3.4.1-14	A
VIII.D2.SP-73	3.4.1-14	A
VIII.C.SP-87	3.4.1-16	A
VIII.B2.SP-160	3.4.1-14	A
VIII.B2.SP-73	3.4.1-14	A
VIII.B2.SP-73	3.4.1-14	A
VIII.C.SP-87	3.4.1-16	A
VIII.D2.S-16	3.4.1-5	A
VIII.D2.SP-73	3.4.1-14	A
VIII.D2.SP-87	3.4.1-16	A
VIII.D1.SP-88	3.4.1-11	A
VIII.D2.SP-87	3.4.1-16	A
VIII.I.SP-12	3.4.1-58	A
VIII.D2.SP-73	3.4.1-14	C
VIII.C.SP-73	3.4.1-14	A
V.D2.EP-60	3.2.1-16	E, 1, 3
VIII.B2.SP-73	3.4.1-14	A
VIII.E.SP-87	3.4.1-16	A
VIII.H.SP-83	3.4.1-10	A
VIII.C.SP-88	3.4.1-11	A
III.A3.TP-274	3.5.1-82	A
III.A3.TP-261	3.5.1-88	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-23	3.5.1-64	A

III.A3.TP-302	3.5.1-77	C
III.A3.TP-274	3.5.1-82	A
III.A3.TP-248	3.5.1-80	A
III.B1.2.TP-42	3.5.1-55	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.A6.TP-104	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-30	3.5.1-44	A
III.A3.TP-212	3.5.1-65	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A6.TP-104	3.5.1-65	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A3.TP-108	3.5.1-42	A
III.A3.TP-108	3.5.1-42	A
		H, 1
III.A6.T-20	3.5.1-56	E, 2
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-212	3.5.1-65	A, 3
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
III.B4.TP-274	3.5.1-82	A
III.B4.TP-248	3.5.1-80	A
III.B4.TP-261	3.5.1-88	A
III.B5.TP-274	3.5.1-82	A
III.B5.TP-248	3.5.1-80	A
III.B3.TP-43	3.5.1-92	A
III.B3.TP-261	3.5.1-88	A
III.B3.TP-248	3.5.1-80	A
III.A1.TP-26	3.5.1-66	A
III.B1.2.T-24	3.5.1-91	A
III.B1.2.T-24	3.5.1-91	A
III.B1.2.TP-229	3.5.1-87	A
III.B3.TP-42	3.5.1-55	A
III.A1.T-12	3.5.1-70	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A
II.B4.CP-148	3.5.1-31	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A

III.A1.TP-261	3.5.1-88	A
III.A1.TP-274	3.5.1-82	A
III.A1.TP-26	3.5.1-66	A
II.B2.2.C-49	3.5.1-37	C
II.B2.2.C-49	3.5.1-37	C
II.B2.2.CP-46	3.5.1-35	A
III.A3.TP-302	3.5.1-77	A
III.A3.TP-24	3.5.1-63	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
II.B2.2.CP-117	3.5.1-31	C
II.B2.2.CP-63	3.5.1-5	A
II.B4.C-13	3.5.1-9	C, 5
II.B2.2.CP-63	3.5.1-5	A
II.B2.2.CP-114	3.5.1-41	C
II.B4.C-13	3.5.1-9	C, 5
III.B3.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-248	3.5.1-80	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	A
III.A3.T-12	3.5.1-70	A
VII.G.A-20	3.3.1-57	E, 2
III.A3.TP-302	3.5.1-77	C
III.B2.TP-6	3.5.1-93	C
III.B3.TP-8	3.5.1-95	C
III.A4.TP-302	3.5.1-77	C
III.A3.TP-67	3.5.1-47	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A, 1
III.A6.TP-7	3.5.1-72	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.B2.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
II.B2.2.C-23	3.5.1-36	A
		G, 2
III.A6.T-22	3.5.1-58	A
III.A6.TP-38	3.5.1-59	A

		H, 2
III.A6.TP-36	3.5.1-60	A
III.A6.TP-36	3.5.1-60	A
III.A6.TP-104	3.5.1-65	A
		H, 2
III.A6.TP-38	3.5.1-59	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-38	3.5.1-59	A
III.B5.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	A
III.B5.TP-8	3.5.1-95	A
III.A3.TP-302	3.5.1-77	A
III.A6.TP-109	3.5.1-51	A, 3
III.A6.TP-7	3.5.1-72	A
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.A1.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-26	3.5.1-66	A
III.A6.TP-7	3.5.1-72	A
III.B2.TP-8	3.5.1-95	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
II.B2.2.CP-79	3.5.1-21	A
II.B2.2.CP-80	3.5.1-22	A
		G, 2
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
II.B4.C-13	3.5.1-9	A, 5
III.A3.TP-302	3.5.1-77	A
III.B2.TP-261	3.5.1-88	A
III.B2.TP-8	3.5.1-95	A
III.B4.TP-44	3.5.1-94	E, 1
III.B2.TP-43	3.5.1-92	A
III.B4.TP-42	3.5.1-55	A
III.B5.TP-42	3.5.1-55	A
III.B5.TP-42	3.5.1-55	A
III.A3.TP-23	3.5.1-64	C
III.A1.TP-212	3.5.1-65	A
III.A1.TP-29	3.5.1-67	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-29	3.5.1-67	A
VII.G.A-20	3.3.1-57	E, 2
III.A1.TP-212	3.5.1-65	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A

III.B2.TP-8	3.5.1-95	C
III.A1.TP-302	3.5.1-77	C
III.A3.TP-24	3.5.1-63	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A, 1
III.A6.TP-7	3.5.1-72	A
III.A3.TP-23	3.5.1-64	A
		J
		J
VII.G.A-20	3.3.1-57	E, 3
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A1.TP-26	3.5.1-66	C
III.A1.TP-26	3.5.1-66	C
III.B2.TP-6	3.5.1-93	C
III.B2.TP-8	3.5.1-95	C
III.A6.T-20	3.5.1-56	E, 2
		H, 1
III.B5.TP-8	3.5.1-95	A
III.A6.TP-7	3.5.1-72	A
III.A3.TP-26	3.5.1-66	A, 1
III.B2.TP-6	3.5.1-93	C
III.A3.TP-302	3.5.1-77	C
III.A3.T-12	3.5.1-70	A
III.A3.T-12	3.5.1-70	A
VII.G.A-20	3.3.1-57	E, 2
III.A3.TP-261	3.5.1-88	A
III.A3.TP-261	3.5.1-88	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.B2.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A, 1
III.A6.TP-7	3.5.1-72	A
III.B2.TP-8	3.5.1-95	C
II.B2.2.CP-114	3.5.1-41	C
III.A6.TP-7	3.5.1-72	A
III.A3.TP-248	3.5.1-80	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-114	3.5.1-41	C
III.B1.1.TP-232	3.5.1-85	A
III.B1.1.TP-8	3.5.1-95	A
III.A6.TP-261	3.5.1-88	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-36	3.5.1-60	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-29	3.5.1-67	A

II.B2.2.CP-114	3.5.1-41	C
VII.J.AP-167	3.3.1-117	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	C
III.A3.TP-26	3.5.1-66	C
III.B5.TP-8	3.5.1-95	A
III.A1.TP-26	3.5.1-66	A
III.B4.TP-6	3.5.1-93	C
VII.J.AP-19	3.3.1-120	C
III.A6.TP-261	3.5.1-88	A
III.B2.TP-6	3.5.1-93	C
III.A6.TP-38	3.5.1-59	A
III.A6.TP-36	3.5.1-60	A
III.A1.TP-261	3.5.1-88	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-67	3.5.1-47	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-23	3.5.1-64	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-212	3.5.1-65	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
III.A4.TP-302	3.5.1-77	C
III.B2.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.A4.TP-302	3.5.1-77	C, 9
III.A4.TP-302	3.5.1-77	C
		G, 2
II.B4.CP-150	3.5.1-30	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.C-48	3.5.1-9	A, 5
III.A4.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	A, 2
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-23	3.5.1-64	A
III.A6.TP-7	3.5.1-72	A
III.B2.TP-6	3.5.1-93	C

VII.G.A-20	3.3.1-57	E, 1
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.B1.2.T-24	3.5.1-91	A
III.B1.1.TP-10	3.5.1-90	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	C
III.A3.T-12	3.5.1-70	A
III.A3.T-12	3.5.1-70	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-274	3.5.1-82	A
III.A3.TP-261	3.5.1-88	A
III.A3.TP-274	3.5.1-82	A
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.B3.TP-8	3.5.1-95	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-274	3.5.1-82	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-26	3.5.1-66	A
III.A1.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A3.TP-108	3.5.1-42	A
III.A1.TP-26	3.5.1-66	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-30	3.5.1-44	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-29	3.5.1-67	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A3.TP-108	3.5.1-42	A
III.A3.TP-108	3.5.1-42	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A

III.A3.TP-108	3.5.1-42	A
III.A3.TP-212	3.5.1-65	A, 3
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
III.A6.TP-7	3.5.1-72	A
VII.G.A-33	3.3.1-64	E, 1
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
III.B3.TP-43	3.5.1-92	A
III.A1.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.A3.T-12	3.5.1-70	A
III.A3.TP-302	3.5.1-77	A
III.A3.TP-29	3.5.1-67	A, 1
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-23	3.5.1-64	A
		J
III.A3.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-63	3.5.1-5	A
II.B2.2.CP-114	3.5.1-41	C, 10
II.B2.2.CP-63	3.5.1-5	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-67	3.5.1-47	A
III.B3.TP-8	3.5.1-95	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-26	3.5.1-66	A
III.A3.T-12	3.5.1-70	A
III.A3.T-12	3.5.1-70	A
II.B4.C-16	3.5.1-28	C
III.B5.TP-8	3.5.1-95	A
III.B3.TP-8	3.5.1-95	C
III.B3.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-212	3.5.1-65	A, 1
III.A3.TP-29	3.5.1-67	A, 1
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A, 2
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-26	3.5.1-66	C
III.A3.T-12	3.5.1-70	A, 1
III.A3.TP-23	3.5.1-64	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-23	3.5.1-64	A
		F
III.A6.TP-7	3.5.1-72	A

III.A3.TP-302	3.5.1-77	C
III.A6.TP-7	3.5.1-72	A
III.B2.TP-8	3.5.1-95	C
III.B2.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	A
III.A3.TP-248	3.5.1-80	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.B5.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.A6.TP-7	3.5.1-72	A
III.A3.TP-29	3.5.1-67	A, 1
III.A1.TP-26	3.5.1-66	A, 1
III.A6.TP-7	3.5.1-72	A
III.A1.TP-26	3.5.1-66	A, 1
III.A6.TP-7	3.5.1-72	A
III.A1.TP-302	3.5.1-77	C
III.B2.TP-8	3.5.1-95	C
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-79	3.5.1-21	A
II.B2.2.CP-79	3.5.1-21	A
		G, 2
II.A1.CP-100	3.5.1-24	A
II.A1.CP-100	3.5.1-24	A
III.B5.TP-8	3.5.1-95	C, 10
II.B2.2.CP-46	3.5.1-35	A
II.B4.C-13	3.5.1-9	A, 5
II.B4.C-13	3.5.1-9	A, 5
II.B4.C-13	3.5.1-9	A, 5
II.B2.2.C-49	3.5.1-37	C, 6
III.A3.TP-302	3.5.1-77	A
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-8	3.5.1-95	C
III.B2.TP-274	3.5.1-82	A
III.B2.TP-43	3.5.1-92	A
III.A6.TP-7	3.5.1-72	A
VII.G.A-19	3.3.1-57	E, 2
III.A1.TP-67	3.5.1-47	A
III.A1.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-302	3.5.1-77	C
III.A3.TP-24	3.5.1-63	A
III.A3.TP-302	3.5.1-77	A

III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.B1.2.TP-8	3.5.1-95	A
III.B1.2.TP-8	3.5.1-95	C
III.B1.1.TP-10	3.5.1-90	A
III.B1.2.TP-232	3.5.1-85	A
III.B1.2.TP-229	3.5.1-87	A
III.B2.TP-43	3.5.1-92	C
III.B4.TP-43	3.5.1-92	C
III.A1.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
VII.G.A-20	3.3.1-57	E, 2
II.B4.CP-150	3.5.1-30	A, 1
III.A1.TP-261	3.5.1-88	A
III.A6.TP-7	3.5.1-72	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A1.TP-302	3.5.1-77	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-23	3.5.1-64	A
III.A1.TP-26	3.5.1-66	A
II.B2.2.CP-46	3.5.1-35	A
VII.J.AP-167	3.3.1-117	C
III.A3.TP-302	3.5.1-77	C
III.B2.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	A
III.B2.TP-6	3.5.1-93	C
III.A6.TP-7	3.5.1-72	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-26	3.5.1-66	C
III.B4.TP-6	3.5.1-93	C
		J
III.A3.TP-248	3.5.1-80	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-212	3.5.1-65	A, 1
III.A3.TP-212	3.5.1-65	A, 1
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-248	3.5.1-80	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	A
III.B1.1.TP-232	3.5.1-85	A
III.B1.1.TP-8	3.5.1-95	A
III.B1.1.TP-8	3.5.1-95	A
III.B1.1.TP-229	3.5.1-87	A
III.B1.1.TP-226	3.5.1-81	A

III.A6.T-22	3.5.1-58	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-261	3.5.1-88	A
III.A6.TP-38	3.5.1-59	A
III.A3.TP-302	3.5.1-77	C
III.B2.TP-6	3.5.1-93	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-248	3.5.1-80	A
VII.G.A-20	3.3.1-57	E, 1
III.A3.TP-302	3.5.1-77	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-26	3.5.1-66	A
III.B2.TP-8	3.5.1-95	C
VII.G.A-19	3.3.1-57	E, 1
III.B2.TP-6	3.5.1-93	A
III.B4.TP-6	3.5.1-93	C
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
VII.G.A-20	3.3.1-57	E, 2
		H, 2
III.A6.TP-104	3.5.1-65	A
III.A6.TP-109	3.5.1-51	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-37	3.5.1-61	A
III.A6.TP-37	3.5.1-61	A
III.A6.T-20	3.5.1-56	A
III.A6.TP-109	3.5.1-51	A
II.B2.2.CP-114	3.5.1-41	C
III.B5.TP-8	3.5.1-95	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	A
III.A1.TP-302	3.5.1-77	C
III.A1.TP-67	3.5.1-47	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-67	3.5.1-47	A
III.B2.TP-8	3.5.1-95	C
III.A4.TP-261	3.5.1-88	A
		G
II.B4.CP-152	3.5.1-34	A
III.A4.TP-261	3.5.1-88	C
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-46	3.5.1-35	A
II.B4.C-16	3.5.1-28	A
II.B4.CP-39	3.5.1-29	A
II.B4.CP-39	3.5.1-29	A
III.A4.TP-302	3.5.1-77	C

II.B4.CP-41	3.5.1-33	A
II.B4.C-13	3.5.1-9	C
III.B5.TP-8	3.5.1-95	C
II.B2.2.CP-114	3.5.1-41	C
II.B4.CP-150	3.5.1-30	A
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-24	3.5.1-63	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-23	3.5.1-64	A
III.B2.TP-6	3.5.1-93	C
III.A6.TP-7	3.5.1-72	A
II.B2.2.CP-114	3.5.1-41	C
VII.H2.AP-55	3.3.1-41	E, 1
III.B5.TP-8	3.5.1-95	C
III.A1.TP-302	3.5.1-77	C
III.B2.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.B1.2.T-24	3.5.1-91	A
III.A3.TP-302	3.5.1-77	A
III.B5.TP-8	3.5.1-95	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-30	3.5.1-44	A
III.A3.TP-302	3.5.1-77	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-29	3.5.1-67	A, 1
III.A3.TP-29	3.5.1-67	A, 1
III.A6.TP-7	3.5.1-72	A
II.B2.2.CP-114	3.5.1-41	C
III.B4.TP-8	3.5.1-95	C
		J
		J
III.A3.TP-261	3.5.1-88	A
III.A3.TP-274	3.5.1-82	A
III.A3.TP-29	3.5.1-67	C
III.A3.TP-29	3.5.1-67	C
III.A3.TP-26	3.5.1-66	C
III.A3.TP-24	3.5.1-63	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-24	3.5.1-63	A
III.A1.TP-302	3.5.1-77	C
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.B2.TP-6	3.5.1-93	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A

III.A3.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A3.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A3.TP-108	3.5.1-42	A
III.A3.TP-24	3.5.1-63	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-23	3.5.1-64	A, 3
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
		J
III.B4.TP-43	3.5.1-92	A
III.B3.TP-8	3.5.1-95	A
III.B3.TP-261	3.5.1-88	A
III.A1.TP-26	3.5.1-66	A
		H, 2
III.A3.TP-302	3.5.1-77	A
III.A3.TP-302	3.5.1-77	A
VII.H2.AP-55	3.3.1-41	E, 1
VII.J.AP-19	3.3.1-120	C
VII.G.A-33	3.3.1-64	E, 1
III.A6.TP-221	3.5.1-83	A
II.B2.2.CP-114	3.5.1-41	C
V.C.E-34	3.2.1-25	E, 1
III.B2.TP-8	3.5.1-95	A
III.A1.TP-248	3.5.1-80	A
V.C.E-34	3.2.1-25	E, 1
III.B2.TP-6	3.5.1-93	E, 1
III.A3.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-212	3.5.1-65	A, 1
III.A6.TP-7	3.5.1-72	A
III.A1.TP-274	3.5.1-82	A
II.B2.2.CP-63	3.5.1-5	A
III.B3.TP-8	3.5.1-95	C
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-261	3.5.1-88	A

III.A3.T-12	3.5.1-70	A
III.A3.TP-26	3.5.1-66	C
III.A3.TP-302	3.5.1-77	C
II.B4.C-16	3.5.1-28	C
II.B4.C-16	3.5.1-28	C
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-274	3.5.1-82	A
III.A3.TP-26	3.5.1-66	A, 1
III.A3.TP-23	3.5.1-64	A, 2
III.A6.TP-7	3.5.1-72	A
III.B2.TP-6	3.5.1-93	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
III.B5.TP-8	3.5.1-95	C
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-6	3.5.1-93	C
III.B2.TP-8	3.5.1-95	C
III.B2.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-261	3.5.1-88	A
III.A3.TP-302	3.5.1-77	A
III.A3.TP-302	3.5.1-77	A
III.B2.TP-6	3.5.1-93	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.B5.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.B4.TP-6	3.5.1-93	C
III.A3.TP-26	3.5.1-66	A, 1
III.A3.TP-302	3.5.1-77	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-114	3.5.1-41	C
III.B4.TP-8	3.5.1-95	C
III.B1.2.TP-42	3.5.1-55	A
II.B2.2.CP-46	3.5.1-35	A
III.A6.TP-38	3.5.1-59	A
		H, 2
III.A6.TP-104	3.5.1-65	A
III.A6.T-20	3.5.1-56	A
		H, 2
		H, 2
III.A3.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C

III.A1.TP-302	3.5.1-77	C
III.B2.TP-6	3.5.1-93	C
III.A6.TP-38	3.5.1-59	A, 3
III.A6.TP-7	3.5.1-72	A
III.A1.TP-248	3.5.1-80	A
III.A1.TP-23	3.5.1-64	A
III.A1.TP-24	3.5.1-63	A
III.A1.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	A, 1
III.A1.TP-302	3.5.1-77	A
III.B3.TP-8	3.5.1-95	C
III.B2.TP-6	3.5.1-93	C
III.A6.TP-7	3.5.1-72	A
III.B2.TP-8	3.5.1-95	A
III.B2.TP-8	3.5.1-95	A
II.B2.2.CP-79	3.5.1-21	A
III.B2.TP-8	3.5.1-95	C
II.B4.C-13	3.5.1-9	C, 5
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
II.B4.C-13	3.5.1-9	A, 5
II.B2.2.C-49	3.5.1-37	C, 6
II.B2.2.CP-114	3.5.1-41	C
II.B4.C-13	3.5.1-9	A, 5
II.B2.2.C-49	3.5.1-37	C, 6
II.B4.C-13	3.5.1-9	A, 5
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.C-49	3.5.1-37	C, 6
III.B2.TP-8	3.5.1-95	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.B1.2.T-24	3.5.1-91	A
III.B5.TP-8	3.5.1-95	C
III.A1.TP-26	3.5.1-66	C
III.A1.TP-26	3.5.1-66	C
III.A1.TP-261	3.5.1-88	A
III.B5.TP-8	3.5.1-95	A
III.A1.TP-302	3.5.1-77	A
III.A1.TP-302	3.5.1-77	A
III.A1.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A, 1
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.A3.TP-26	3.5.1-66	C
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C

II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	A
III.B3.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.B3.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A, 1
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-8	3.5.1-95	C
III.A3.TP-261	3.5.1-88	A
III.A2.TP-67	3.5.1-47	A
III.A2.TP-67	3.5.1-47	A
III.B1.1.TP-229	3.5.1-87	A
III.B1.1.T-24	3.5.1-91	A
III.B1.1.T-28	3.5.1-57	A
III.B1.1.TP-229	3.5.1-87	A
		G, 2
III.A6.TP-261	3.5.1-88	A
III.A6.TP-248	3.5.1-80	A
III.A3.TP-302	3.5.1-77	C
III.A6.TP-38	3.5.1-59	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-24	3.5.1-63	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-274	3.5.1-82	A
III.A3.TP-248	3.5.1-80	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C

VII.J.AP-14	3.3.1-117	C
III.A3.TP-26	3.5.1-66	C
III.A6.TP-7	3.5.1-72	A
II.B2.2.CP-114	3.5.1-41	C
III.A4.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
II.B2.2.C-23	3.5.1-36	A
III.B2.TP-8	3.5.1-95	C
III.A1.TP-26	3.5.1-66	A
III.A4.TP-261	3.5.1-88	A
III.A4.TP-248	3.5.1-80	A
II.B4.C-16	3.5.1-28	A
VII.G.A-19	3.3.1-57	E, 7
II.B4.C-13	3.5.1-9	C
II.B4.C-13	3.5.1-9	C
III.A5.T-14	3.5.1-78	C
III.A4.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
II.B4.CP-150	3.5.1-30	A
II.B4.CP-150	3.5.1-30	A
III.B1.1.TP-10	3.5.1-90	C
III.A6.TP-7	3.5.1-72	A
II.B2.2.CP-114	3.5.1-41	C
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.A5.T-14	3.5.1-78	A, 3
III.B5.TP-8	3.5.1-95	C
VII.J.AP-19	3.3.1-120	C
III.A4.TP-302	3.5.1-77	C
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-302	3.5.1-77	C
III.B2.TP-6	3.5.1-93	A
III.A6.TP-7	3.5.1-72	A
III.B1.1.TP-42	3.5.1-55	A
III.B1.2.T-28	3.5.1-57	A
VII.H2.AP-55	3.3.1-41	E, 2
III.A3.TP-302	3.5.1-77	C
III.A3.TP-23	3.5.1-64	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	C
III.A3.TP-30	3.5.1-44	A
III.B4.TP-6	3.5.1-93	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-23	3.5.1-64	A
		J
		J

		J
III.A3.TP-261	3.5.1-88	A
III.A3.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	C
III.A3.TP-212	3.5.1-65	A
		H, 1
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A3.TP-30	3.5.1-44	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-30	3.5.1-44	A
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	A
III.A6.TP-104	3.5.1-65	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-110	3.5.1-49	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-110	3.5.1-49	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A3.TP-26	3.5.1-66	A, 3
III.A3.TP-26	3.5.1-66	A, 3
III.A3.TP-26	3.5.1-66	A, 3
III.A3.TP-23	3.5.1-64	A, 3
III.A6.TP-7	3.5.1-72	A
II.B2.2.CP-114	3.5.1-41	C
III.B5.TP-8	3.5.1-95	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.B3.TP-261	3.5.1-88	A
III.B3.TP-8	3.5.1-95	A
III.B5.TP-8	3.5.1-95	C
III.A6.TP-221	3.5.1-83	C
III.A6.TP-261	3.5.1-88	A
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
		H, 2
III.A6.TP-36	3.5.1-60	A
III.A6.TP-38	3.5.1-59	A

III.A6.TP-38	3.5.1-59	A
III.A6.TP-38	3.5.1-59	A
III.A3.TP-212	3.5.1-65	A
III.A1.TP-23	3.5.1-64	A
III.A1.TP-29	3.5.1-67	A
III.A1.TP-29	3.5.1-67	A
III.B2.TP-6	3.5.1-93	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-24	3.5.1-63	A
III.A6.TP-38	3.5.1-59	A
II.B2.2.CP-63	3.5.1-5	A
II.B2.2.CP-114	3.5.1-41	C
II.B4.C-13	3.5.1-9	C, 5
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-261	3.5.1-88	A
III.A3.TP-248	3.5.1-80	A
III.A6.TP-7	3.5.1-72	A
III.A4.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-29	3.5.1-67	A, 1
III.A6.TP-7	3.5.1-72	A
III.A3.TP-23	3.5.1-64	A, 1
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-23	3.5.1-64	C
III.A3.T-12	3.5.1-70	A, 1
III.A3.T-12	3.5.1-70	A, 1
III.A2.TP-67	3.5.1-47	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A, 1
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.B2.TP-8	3.5.1-95	C
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A, 1
III.A3.TP-23	3.5.1-64	A, 1
III.A3.TP-26	3.5.1-66	A, 1
II.B2.2.CP-114	3.5.1-41	C

III.A3.TP-302	3.5.1-77	C
III.A3.TP-274	3.5.1-82	A
III.A3.TP-261	3.5.1-88	A
III.B4.TP-6	3.5.1-93	C
III.B4.TP-43	3.5.1-92	C
III.B4.TP-6	3.5.1-93	C
III.B4.TP-8	3.5.1-95	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-29	3.5.1-67	A
III.A1.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	C
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.B2.TP-6	3.5.1-93	A
III.A3.TP-26	3.5.1-66	A
III.B5.TP-8	3.5.1-95	A
VII.H2.AP-55	3.3.1-41	E, 2
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.C-23	3.5.1-36	A
III.A6.T-20	3.5.1-56	A
III.A6.TP-37	3.5.1-61	A
		H, 2
III.A6.TP-37	3.5.1-61	A
		H, 2
III.A6.TP-109	3.5.1-51	A
III.B5.TP-8	3.5.1-95	C
III.A1.TP-302	3.5.1-77	C
V.C.E-34	3.2.1-25	E, 1
III.A1.TP-261	3.5.1-88	A
III.A1.TP-261	3.5.1-88	A
III.B2.TP-6	3.5.1-93	C
III.B5.TP-8	3.5.1-95	C
III.A1.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.B2.TP-8	3.5.1-95	A
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-42	3.5.1-55	A
II.A1.CP-100	3.5.1-24	A
III.A1.TP-212	3.5.1-65	A
II.B4.C-13	3.5.1-9	C, 5
II.B4.C-13	3.5.1-9	C, 5
II.B2.2.CP-114	3.5.1-41	C
II.B4.CP-36	3.5.1-35	A, 6
III.B2.TP-248	3.5.1-80	A
III.B2.TP-261	3.5.1-88	A
III.B5.TP-42	3.5.1-55	A
III.A3.TP-26	3.5.1-66	C

III.A1.TP-29	3.5.1-67	A
III.A3.TP-26	3.5.1-66	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-29	3.5.1-67	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-302	3.5.1-77	C
III.B1.2.TP-232	3.5.1-85	C
III.B1.2.TP-229	3.5.1-87	A
III.B1.2.TP-229	3.5.1-87	A
III.B1.2.TP-232	3.5.1-85	A
III.B1.2.TP-235	3.5.1-86	A
III.B4.TP-44	3.5.1-94	E, 1
III.A1.TP-261	3.5.1-88	A
III.A1.TP-274	3.5.1-82	A
III.A1.TP-248	3.5.1-80	A
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-212	3.5.1-65	A, 1
III.A3.TP-23	3.5.1-64	A
III.A3.TP-23	3.5.1-64	A
		J
		J
III.B5.TP-8	3.5.1-95	A
III.A3.TP-261	3.5.1-88	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-212	3.5.1-65	C
III.A3.TP-23	3.5.1-64	C
III.A3.TP-24	3.5.1-63	C
III.A3.TP-23	3.5.1-64	C
III.A1.T-12	3.5.1-70	A
III.A1.T-12	3.5.1-70	A
III.A1.TP-26	3.5.1-66	C
III.A3.TP-26	3.5.1-66	A
		H, 1
III.A3.TP-24	3.5.1-63	A
III.A3.TP-212	3.5.1-65	A, 1
III.A3.TP-23	3.5.1-64	A, 1
III.A6.TP-7	3.5.1-72	A
III.A3.TP-26	3.5.1-66	A, 1
II.B2.1.CP-114	3.5.1-41	C
III.B4.TP-8	3.5.1-95	C
III.B4.TP-6	3.5.1-93	C
III.B5.TP-8	3.5.1-95	A

III.A3.TP-261	3.5.1-88	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-261	3.5.1-88	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-212	3.5.1-65	A
III.A3.TP-212	3.5.1-65	A
III.A6.T-22	3.5.1-58	A
		H, 2
VII.G.A-20	3.3.1-57	E, 4
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A6.TP-36	3.5.1-60	A
III.A6.TP-36	3.5.1-60	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-67	3.5.1-47	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	A
III.B2.TP-6	3.5.1-93	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-302	3.5.1-77	A
III.B5.TP-8	3.5.1-95	C
II.B2.2.CP-114	3.5.1-41	C
III.B4.TP-261	3.5.1-88	A
III.B4.TP-8	3.5.1-95	A
III.B4.TP-6	3.5.1-93	A
III.B5.TP-261	3.5.1-88	A
III.A1.TP-26	3.5.1-66	A
VII.G.A-33	3.3.1-64	E, 1
II.B2.2.CP-114	3.5.1-41	C
III.A6.TP-261	3.5.1-88	A
III.A6.TP-261	3.5.1-88	A
III.A6.TP-7	3.5.1-72	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-37	3.5.1-61	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-37	3.5.1-61	A
		H, 2
III.B2.TP-43	3.5.1-92	A
III.A1.TP-26	3.5.1-66	A

III.A1.TP-26	3.5.1-66	A
III.A1.TP-23	3.5.1-64	A
III.A1.TP-29	3.5.1-67	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.B2.TP-8	3.5.1-95	C
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
III.A4.TP-302	3.5.1-77	A
III.A4.TP-302	3.5.1-77	C, 9
III.B5.TP-8	3.5.1-95	C
III.A5.T-14	3.5.1-78	C
III.B5.TP-8	3.5.1-95	C
III.A4.TP-302	3.5.1-77	C
III.B1.1.TP-10	3.5.1-90	C
II.B2.2.CP-117	3.5.1-31	A
II.B2.2.CP-117	3.5.1-31	A
		J, 4
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-8	3.5.1-95	C
III.A6.TP-7	3.5.1-72	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-274	3.5.1-82	A
II.B2.1.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-24	3.5.1-63	A
III.A3.TP-26	3.5.1-66	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-302	3.5.1-77	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A, 1
III.A6.TP-7	3.5.1-72	A
III.A3.TP-26	3.5.1-66	A, 1
III.A6.TP-7	3.5.1-72	A
III.A3.TP-26	3.5.1-66	A, 1
III.A3.TP-23	3.5.1-64	A, 1
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-274	3.5.1-82	A
III.A3.TP-261	3.5.1-88	A
II.B2.2.CP-114	3.5.1-41	C

III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.B4.TP-6	3.5.1-93	C
II.B2.2.CP-114	3.5.1-41	C
III.B4.TP-43	3.5.1-92	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A
III.A6.TP-104	3.5.1-65	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-29	3.5.1-67	A
III.B5.TP-8	3.5.1-95	C
II.B2.2.CP-79	3.5.1-21	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A3.TP-108	3.5.1-42	A
III.A3.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
II.B2.2.CP-117	3.5.1-31	C
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A, 3
II.B2.2.CP-114	3.5.1-41	C
III.A6.TP-7	3.5.1-72	A
III.B1.2.TP-8	3.5.1-95	C
III.B1.2.TP-232	3.5.1-85	A
III.B1.2.TP-232	3.5.1-85	A
III.B1.2.TP-229	3.5.1-87	A
III.B1.2.TP-8	3.5.1-95	A
III.B1.1.TP-10	3.5.1-90	A
III.B1.2.TP-229	3.5.1-87	A
III.B1.2.TP-226	3.5.1-81	A
III.A1.T-12	3.5.1-70	A
II.B4.CP-150	3.5.1-30	A, 1
III.A3.TP-23	3.5.1-64	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-24	3.5.1-63	A
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-23	3.5.1-64	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-23	3.5.1-64	A
III.A1.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
II.B2.2.CP-114	3.5.1-41	C
III.B5.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-23	3.5.1-64	A
III.A6.TP-38	3.5.1-59	A

III.A6.TP-38	3.5.1-59	A
II.B4.C-13	3.5.1-9	C, 5
II.B2.2.CP-63	3.5.1-5	A
III.A3.TP-29	3.5.1-67	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-302	3.5.1-77	A
III.A3.TP-26	3.5.1-66	C
III.A6.TP-7	3.5.1-72	A
III.A5.TP-34	3.5.1-71	C
III.A5.TP-34	3.5.1-71	C
II.B4.C-16	3.5.1-28	C
III.A4.TP-302	3.5.1-77	A
III.A4.TP-302	3.5.1-77	C
III.A3.TP-212	3.5.1-65	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-274	3.5.1-82	A
III.A3.TP-274	3.5.1-82	A
VII.C1.AP-198	3.3.1-106	E, 2
III.A3.TP-212	3.5.1-65	A, 2
III.A3.TP-26	3.5.1-66	A, 2
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-29	3.5.1-67	A
III.A3.TP-29	3.5.1-67	A
III.B1.1.TP-232	3.5.1-85	C
III.A6.TP-221	3.5.1-83	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-30	3.5.1-44	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-248	3.5.1-80	A
VII.J.AP-14	3.3.1-117	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-261	3.5.1-88	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-302	3.5.1-77	C
VII.J.AP-167	3.3.1-117	C
III.A3.TP-26	3.5.1-66	A
III.B5.TP-8	3.5.1-95	A
III.A6.TP-7	3.5.1-72	A

III.A5.T-14	3.5.1-78	C
III.A6.TP-36	3.5.1-60	A
		H, 2
III.A6.TP-109	3.5.1-51	A
III.A6.T-20	3.5.1-56	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
II.B2.2.CP-114	3.5.1-41	C
III.B5.TP-8	3.5.1-95	C
III.A1.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	A
III.A6.TP-107	3.5.1-67	A, 3
III.A6.TP-38	3.5.1-59	A, 3
III.B5.TP-8	3.5.1-95	A
III.A1.TP-261	3.5.1-88	A
III.A1.TP-26	3.5.1-66	A
III.B2.TP-8	3.5.1-95	A
III.B2.TP-42	3.5.1-55	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
II.B2.2.CP-80	3.5.1-22	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-212	3.5.1-65	A
		G, 2
II.B2.2.CP-46	3.5.1-35	A
II.B4.C-13	3.5.1-9	C, 5
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-114	3.5.1-41	C
II.B4.CP-36	3.5.1-35	A, 6
III.A1.TP-212	3.5.1-65	A
III.A1.TP-29	3.5.1-67	A
III.A1.TP-29	3.5.1-67	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-67	3.5.1-47	A
III.B2.TP-6	3.5.1-93	C
III.A3.TP-248	3.5.1-80	A
III.A3.TP-26	3.5.1-66	A
III.A6.T-22	3.5.1-58	A
III.A1.TP-24	3.5.1-63	A
III.A1.TP-24	3.5.1-63	A
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
VII.G.A-19	3.3.1-57	E, 1
VII.J.AP-19	3.3.1-120	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-274	3.5.1-82	A
III.B1.1.TP-42	3.5.1-55	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A

III.A3.TP-302	3.5.1-77	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-261	3.5.1-88	A
III.A3.TP-261	3.5.1-88	A
III.A3.TP-248	3.5.1-80	A
III.A3.TP-30	3.5.1-44	A
III.A3.TP-23	3.5.1-64	A, 1
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
VII.G.A-19	3.3.1-57	E, 3
II.B2.2.CP-80	3.5.1-22	A
III.A3.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	C
III.B2.TP-6	3.5.1-93	C
III.A1.TP-302	3.5.1-77	A
		H, 1
III.B2.TP-6	3.5.1-93	A
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-114	3.5.1-41	C
III.B4.TP-8	3.5.1-95	C
		F
III.B4.TP-8	3.5.1-95	C
III.B4.TP-8	3.5.1-95	C
		F
		J
III.A3.TP-248	3.5.1-80	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-29	3.5.1-67	A, 1
III.A3.TP-302	3.5.1-77	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
II.B2.2.CP-79	3.5.1-21	A
II.B2.2.CP-79	3.5.1-21	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-110	3.5.1-49	A
III.A6.TP-110	3.5.1-49	A
III.A3.TP-108	3.5.1-42	A

		H, 1
II.B2.2.CP-117	3.5.1-31	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.B2.TP-8	3.5.1-95	C
III.A3.TP-23	3.5.1-64	A
III.A6.TP-7	3.5.1-72	A
III.B4.TP-46	3.5.1-74	A
III.A3.TP-302	3.5.1-77	C
III.B4.TP-274	3.5.1-82	A
III.B5.TP-43	3.5.1-92	A
III.B3.TP-43	3.5.1-92	A
III.A3.TP-302	3.5.1-77	C
III.A6.TP-38	3.5.1-59	A
III.A6.TP-37	3.5.1-61	A
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-6	3.5.1-93	E, 1
III.A6.TP-38	3.5.1-59	A
III.A6.TP-37	3.5.1-61	A
		H, 2
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-29	3.5.1-67	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-29	3.5.1-67	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-46	3.5.1-35	A
II.B4.C-16	3.5.1-28	A
II.B4.C-16	3.5.1-28	A
II.B4.CP-39	3.5.1-29	A
III.B5.TP-8	3.5.1-95	A
III.A5.T-14	3.5.1-78	C
III.A4.TP-302	3.5.1-77	C, 9
II.B4.C-13	3.5.1-9	C
III.B1.3.TP-226	3.5.1-81	C
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-24	3.5.1-63	C
III.A1.TP-23	3.5.1-64	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.T-12	3.5.1-70	A, 1
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	A
III.A6.TP-7	3.5.1-72	A
III.A3.TP-26	3.5.1-66	A, 1
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	A

III.A3.TP-302	3.5.1-77	A
III.B5.TP-8	3.5.1-95	A
III.A3.TP-302	3.5.1-77	A
III.A3.TP-23	3.5.1-64	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-29	3.5.1-67	A, 1
III.A3.TP-23	3.5.1-64	A, 1
III.A3.TP-26	3.5.1-66	A, 1
III.A6.TP-7	3.5.1-72	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A6.TP-7	3.5.1-72	A
III.A3.TP-302	3.5.1-77	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-261	3.5.1-88	A
III.A3.TP-24	3.5.1-63	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	A
III.B2.TP-6	3.5.1-93	A
III.A3.TP-30	3.5.1-44	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
III.B2.TP-8	3.5.1-95	A
III.B2.TP-261	3.5.1-88	A
III.B4.TP-44	3.5.1-94	E, 1
III.B5.TP-42	3.5.1-55	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-29	3.5.1-67	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-29	3.5.1-67	A
		G
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.B1.2.TP-229	3.5.1-87	A
III.B1.2.TP-229	3.5.1-87	A
III.B4.TP-44	3.5.1-94	E, 1

III.B3.TP-42	3.5.1-55	A
VII.G.A-19	3.3.1-57	E, 2
III.B2.TP-6	3.5.1-93	C
III.B5.TP-8	3.5.1-95	C
III.A1.TP-261	3.5.1-88	A
III.A1.TP-302	3.5.1-77	C
VII.A4.AP-101	3.3.1-86	E, 1
III.A3.TP-24	3.5.1-63	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-24	3.5.1-63	A
III.A3.TP-23	3.5.1-64	A
III.A1.TP-23	3.5.1-64	A
III.A1.TP-23	3.5.1-64	A
III.B5.TP-8	3.5.1-95	A
III.A3.TP-26	3.5.1-66	A, 1
III.A3.TP-26	3.5.1-66	A, 1
III.B2.TP-6	3.5.1-93	C
III.A3.TP-302	3.5.1-77	C
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.B2.TP-6	3.5.1-93	C
III.A1.TP-261	3.5.1-88	A
III.B5.TP-8	3.5.1-95	C, 10
II.B2.2.CP-63	3.5.1-5	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	C
III.B2.TP-8	3.5.1-95	C
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-23	3.5.1-64	A, 1
VII.C1.AP-198	3.3.1-106	E, 2
III.A3.TP-29	3.5.1-67	A, 2
III.A6.TP-7	3.5.1-72	A
III.B4.TP-6	3.5.1-93	A
		J
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A

III.B2.TP-8	3.5.1-95	C
III.A3.TP-261	3.5.1-88	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.B1.1.TP-45	3.5.1-75	A
III.A6.TP-261	3.5.1-88	A
III.B2.TP-6	3.5.1-93	E, 1
III.A3.TP-302	3.5.1-77	C
III.A3.TP-23	3.5.1-64	A
III.B4.TP-6	3.5.1-93	C
III.A3.TP-302	3.5.1-77	A
III.B4.TP-6	3.5.1-93	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-261	3.5.1-88	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.A3.T-12	3.5.1-70	A, 2
III.A3.TP-302	3.5.1-77	A
III.A3.TP-302	3.5.1-77	A
II.B2.2.CP-46	3.5.1-35	A
		H, 2
III.A6.TP-109	3.5.1-51	A
III.A6.TP-37	3.5.1-61	A
III.A6.TP-104	3.5.1-65	A
		H, 2
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	A
III.B2.TP-6	3.5.1-93	C
III.A1.TP-26	3.5.1-66	A, 1
III.A1.TP-302	3.5.1-77	C
III.B2.TP-42	3.5.1-55	A
V.C.E-34	3.2.1-25	E, 1
III.B2.TP-6	3.5.1-93	E, 1
II.B2.2.CP-79	3.5.1-21	A
II.A1.CP-100	3.5.1-24	A
III.B2.TP-8	3.5.1-95	C
II.B4.C-13	3.5.1-9	C, 5
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-114	3.5.1-41	C
II.B4.C-13	3.5.1-9	C, 5
II.B4.C-13	3.5.1-9	A, 5

II.B2.2.C-49	3.5.1-37	C, 6
II.B4.CP-36	3.5.1-35	A, 6
III.B5.TP-8	3.5.1-95	C
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-23	3.5.1-64	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-29	3.5.1-67	A
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-8	3.5.1-95	C
III.A4.TP-302	3.5.1-77	A, 8
III.A5.T-14	3.5.1-78	C
II.B4.CP-148	3.5.1-31	A
II.B2.2.C-48	3.5.1-9	A. 5
III.B2.TP-6	3.5.1-93	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	A, 2
III.B2.TP-8	3.5.1-95	C
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	C
III.A1.TP-26	3.5.1-66	A
III.A6.TP-7	3.5.1-72	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A6.TP-7	3.5.1-72	A
II.B2.2.CP-114	3.5.1-41	C
VII.J.AP-19	3.3.1-120	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-23	3.5.1-64	A
III.B2.TP-8	3.5.1-95	C
III.B2.TP-8	3.5.1-95	C
III.A3.TP-248	3.5.1-80	A
		J
III.A3.TP-274	3.5.1-82	A
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-80	3.5.1-22	A
II.B2.2.CP-80	3.5.1-22	A
II.B2.2.CP-80	3.5.1-22	A
III.A3.TP-26	3.5.1-66	C
III.A3.TP-212	3.5.1-65	C
III.A1.T-12	3.5.1-70	A
III.A1.T-12	3.5.1-70	A
III.A1.TP-302	3.5.1-77	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-23	3.5.1-64	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A, 1

III.A3.TP-23	3.5.1-64	A, 1
III.A3.TP-23	3.5.1-64	C
III.A3.TP-302	3.5.1-77	C
VII.G.A-19	3.3.1-57	E, 2
III.B1.2.TP-42	3.5.1-55	A
III.B1.2.TP-42	3.5.1-55	A
III.A3.TP-24	3.5.1-63	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-302	3.5.1-77	C
III.A6.TP-104	3.5.1-65	A
III.A3.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A3.TP-24	3.5.1-63	A
III.B2.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-29	3.5.1-67	A, 3
III.A6.TP-7	3.5.1-72	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A6.TP-7	3.5.1-72	A
III.B2.TP-6	3.5.1-93	C
III.A6.TP-7	3.5.1-72	A
III.B4.TP-261	3.5.1-88	A
III.B4.TP-8	3.5.1-95	A
III.B5.TP-261	3.5.1-88	A
III.B5.TP-43	3.5.1-92	A
III.B3.TP-274	3.5.1-82	A
III.B3.TP-274	3.5.1-82	A
III.A3.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C

VII.H2.AP-55	3.3.1-41	E, 1
III.B2.TP-8	3.5.1-95	A
III.A6.TP-7	3.5.1-72	A
III.A6.TP-37	3.5.1-61	A
III.A6.TP-36	3.5.1-60	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-36	3.5.1-60	A
III.B3.TP-8	3.5.1-95	C
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
III.A3.TP-26	3.5.1-66	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-23	3.5.1-64	A, 1
III.A6.TP-7	3.5.1-72	A
III.A3.TP-26	3.5.1-66	A
VII.J.AP-167	3.3.1-117	C
III.A3.TP-23	3.5.1-64	A
II.B2.2.CP-63	3.5.1-5	A
II.B4.C-13	3.5.1-9	C, 5
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	C
III.A3.T-12	3.5.1-70	A
VII.G.A-19	3.3.1-57	E, 2
III.A3.TP-26	3.5.1-66	A
III.A6.TP-7	3.5.1-72	A
II.B4.C-16	3.5.1-28	C
II.B4.C-16	3.5.1-28	C
III.B3.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.A3.TP-261	3.5.1-88	A
III.A3.TP-261	3.5.1-88	A
III.B2.TP-6	3.5.1-93	C
III.A6.TP-7	3.5.1-72	A
III.A3.TP-212	3.5.1-65	A, 1
VII.C1.AP-198	3.3.1-106	E, 2
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	C
III.A3.TP-26	3.5.1-66	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A6.TP-7	3.5.1-72	A
III.B2.TP-6	3.5.1-93	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-24	3.5.1-63	A
III.A3.TP-261	3.5.1-88	A
III.A3.TP-248	3.5.1-80	A

III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	A
III.A3.TP-212	3.5.1-65	A, 1
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-261	3.5.1-88	A
III.B4.TP-43	3.5.1-92	C
III.A3.TP-67	3.5.1-47	A
III.A3.TP-26	3.5.1-66	A
III.B2.TP-8	3.5.1-95	C
III.B2.TP-6	3.5.1-93	A
III.A3.TP-26	3.5.1-66	A
III.A3.T-12	3.5.1-70	A, 2
III.B5.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
III.A6.TP-38	3.5.1-59	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-109	3.5.1-51	A
III.A6.TP-109	3.5.1-51	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-38	3.5.1-59	A
III.B5.TP-8	3.5.1-95	A
III.A3.TP-302	3.5.1-77	A
III.A1.TP-26	3.5.1-66	A
III.A6.TP-7	3.5.1-72	A
III.A1.TP-302	3.5.1-77	C
III.A6.TP-7	3.5.1-72	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-29	3.5.1-67	A
III.A1.TP-212	3.5.1-65	A
		G, 2
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.C-49	3.5.1-37	C, 6
II.B4.CP-36	3.5.1-35	A, 6
II.B4.CP-36	3.5.1-35	A, 6
II.B2.2.CP-114	3.5.1-41	C
II.B4.C-13	3.5.1-9	A, 5
II.B4.C-13	3.5.1-9	A, 5
III.B2.TP-261	3.5.1-88	A
III.B2.TP-274	3.5.1-82	A
III.B2.TP-261	3.5.1-88	A
III.B2.TP-8	3.5.1-95	A
III.B4.TP-42	3.5.1-55	A
III.A1.TP-29	3.5.1-67	A
III.A3.TP-23	3.5.1-64	A
III.A1.TP-212	3.5.1-65	A
III.B2.TP-6	3.5.1-93	C
III.B2.TP-8	3.5.1-95	C

II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-24	3.5.1-63	A
III.B4.TP-6	3.5.1-93	C
III.B1.2.TP-235	3.5.1-86	A
III.B3.TP-42	3.5.1-55	A
III.A1.T-12	3.5.1-70	A
III.B5.TP-8	3.5.1-95	C
II.B4.CP-148	3.5.1-31	A
III.A1.TP-261	3.5.1-88	A
III.A1.TP-261	3.5.1-88	A
III.A1.TP-274	3.5.1-82	A
VII.F3.AP-102	3.3.1-76	E, 1
III.A3.TP-24	3.5.1-63	A
III.A1.TP-261	3.5.1-88	A
III.B2.TP-8	3.5.1-95	C
III.A1.TP-26	3.5.1-66	A
		J
		J
		J
		J
III.A3.TP-248	3.5.1-80	A
III.A3.TP-302	3.5.1-77	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-30	3.5.1-44	A
III.B2.TP-8	3.5.1-95	C
III.A1.TP-302	3.5.1-77	A
III.A3.TP-24	3.5.1-63	A
III.A3.TP-302	3.5.1-77	C
III.B3.TP-8	3.5.1-95	C
III.B2.TP-8	3.5.1-95	C
III.B2.TP-8	3.5.1-95	C
III.A3.TP-29	3.5.1-67	A, 1
III.A3.TP-29	3.5.1-67	A, 1
III.A3.TP-212	3.5.1-65	A, 1
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
		J
VII.G.A-20	3.3.1-57	E, 2
VII.G.A-19	3.3.1-57	E, 2
III.B2.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	A
III.A6.TP-7	3.5.1-72	A
III.A3.TP-29	3.5.1-67	A, 1

III.A3.TP-302	3.5.1-77	C
III.B2.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A
III.B1.1.TP-232	3.5.1-85	C
III.A6.TP-109	3.5.1-51	A
VII.H2.AP-55	3.3.1-41	E, 1
III.B2.TP-8	3.5.1-95	C
III.A6.TP-38	3.5.1-59	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-30	3.5.1-44	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-302	3.5.1-77	A
III.B2.TP-6	3.5.1-93	C
III.B2.TP-8	3.5.1-95	C
III.B2.TP-6	3.5.1-93	C
III.A3.TP-274	3.5.1-82	A
III.A3.TP-261	3.5.1-88	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-67	3.5.1-47	A
III.A6.TP-221	3.5.1-83	C
III.A6.TP-7	3.5.1-72	A
III.A6.TP-36	3.5.1-60	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-7	3.5.1-72	A
III.A3.TP-29	3.5.1-67	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
III.B2.TP-8	3.5.1-95	C
III.A4.TP-248	3.5.1-80	C
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
II.B4.C-16	3.5.1-28	A
II.B4.CP-39	3.5.1-29	A
III.B2.TP-8	3.5.1-95	C
III.B2.TP-8	3.5.1-95	C
III.A4.TP-302	3.5.1-77	C, 9
III.A4.TP-302	3.5.1-77	C, 9
III.B5.TP-8	3.5.1-95	C
III.A4.TP-302	3.5.1-77	C
III.A4.TP-302	3.5.1-77	C
II.B4.CP-148	3.5.1-31	A
III.A1.TP-26	3.5.1-66	A, 2
III.A6.TP-7	3.5.1-72	A

III.A1.TP-26	3.5.1-66	A, 2
III.A6.TP-7	3.5.1-72	A
III.B2.TP-8	3.5.1-95	C
III.A1.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-8	3.5.1-95	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-23	3.5.1-64	C
III.A1.TP-26	3.5.1-66	A
III.A1.TP-24	3.5.1-63	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-23	3.5.1-64	A
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.A5.T-14	3.5.1-78	A, 3
VII.J.AP-19	3.3.1-120	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-261	3.5.1-88	A
III.B1.2.T-28	3.5.1-57	A
III.B1.1.TP-10	3.5.1-90	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-23	3.5.1-64	A, 1
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.B2.TP-6	3.5.1-93	C
III.A6.TP-7	3.5.1-72	A
III.A3.TP-212	3.5.1-65	A, 1
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-248	3.5.1-80	A
III.A3.TP-261	3.5.1-88	A
III.B4.TP-43	3.5.1-92	C
III.A3.TP-212	3.5.1-65	A

III.A1.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-108	3.5.1-42	A
III.A3.TP-30	3.5.1-44	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.B2.TP-6	3.5.1-93	A
III.B2.TP-8	3.5.1-95	C
II.B2.2.CP-79	3.5.1-21	A
III.A3.TP-108	3.5.1-42	A
III.A1.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A6.TP-104	3.5.1-65	A
III.A3.TP-108	3.5.1-42	A
III.A6.TP-104	3.5.1-65	A
III.A3.TP-108	3.5.1-42	A
		H, 1
III.A6.T-20	3.5.1-56	E, 2
		H, 1
II.B2.2.CP-117	3.5.1-31	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-29	3.5.1-67	A, 3
III.A3.TP-302	3.5.1-77	C
III.A6.TP-7	3.5.1-72	A
III.B5.TP-8	3.5.1-95	A
III.B5.TP-8	3.5.1-95	C
III.B4.TP-261	3.5.1-88	A
III.B4.TP-43	3.5.1-92	A
III.B3.TP-261	3.5.1-88	A
III.A6.TP-36	3.5.1-60	A
III.A1.TP-302	3.5.1-77	A
III.A1.TP-261	3.5.1-88	A
III.A3.TP-26	3.5.1-66	A
III.A1.TP-248	3.5.1-80	A
III.A1.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-23	3.5.1-64	A
III.A1.TP-26	3.5.1-66	A
II.B4.CP-41	3.5.1-33	A, 3
II.B2.2.C-49	3.5.1-37	C
II.B4.CP-41	3.5.1-33	A, 3
II.B2.2.C-49	3.5.1-37	C
III.A3.TP-302	3.5.1-77	A
VII.J.AP-14	3.3.1-117	C
III.B2.TP-6	3.5.1-93	C
III.A6.TP-7	3.5.1-72	A
III.A3.TP-24	3.5.1-63	A
III.A3.TP-302	3.5.1-77	C
VII.J.AP-14	3.3.1-117	C

III.A1.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-24	3.5.1-63	A
III.A6.TP-38	3.5.1-59	A
II.B2.2.CP-63	3.5.1-5	A
II.B2.2.CP-63	3.5.1-5	A
II.B2.2.CP-63	3.5.1-5	A
II.B4.C-13	3.5.1-9	C, 5
III.A3.TP-29	3.5.1-67	A
III.A3.TP-29	3.5.1-67	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	C
III.A3.TP-302	3.5.1-77	C
		G, 2
III.B5.TP-8	3.5.1-95	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-26	3.5.1-66	A, 1
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-23	3.5.1-64	A
III.B1.1.T-24	3.5.1-91	C
III.A3.TP-23	3.5.1-64	A, 1
III.A3.TP-26	3.5.1-66	A, 1
III.A6.TP-7	3.5.1-72	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-261	3.5.1-88	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	A
III.A3.TP-26	3.5.1-66	A
III.A6.TP-36	3.5.1-60	A
III.A6.TP-38	3.5.1-59	A
III.A6.TP-109	3.5.1-51	A
III.A6.TP-109	3.5.1-51	A
		H, 2
III.A6.TP-104	3.5.1-65	A
III.A6.T-20	3.5.1-56	A
		H, 2
III.A6.T-20	3.5.1-56	A
		H, 2
		H, 2
III.A6.TP-37	3.5.1-61	A
		H, 2

III.A6.TP-7	3.5.1-72	A
III.B5.TP-8	3.5.1-95	A
III.A6.TP-38	3.5.1-59	A, 3
III.A6.TP-36	3.5.1-60	A, 3
II.B2.2.CP-114	3.5.1-41	C
III.A1.TP-26	3.5.1-66	A
III.A1.TP-302	3.5.1-77	C
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A, 1
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-42	3.5.1-55	A
		G, 2
II.B2.2.CP-79	3.5.1-21	A
II.B2.2.CP-79	3.5.1-21	A
II.B2.2.CP-80	3.5.1-22	A
II.B2.2.CP-80	3.5.1-22	A
II.B2.2.CP-114	3.5.1-41	C
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-114	3.5.1-41	C, 10
II.B4.CP-36	3.5.1-35	A, 6
II.B4.C-13	3.5.1-9	A, 5
II.B2.2.CP-114	3.5.1-41	C
II.B4.C-13	3.5.1-9	A, 5
II.B2.2.CP-114	3.5.1-41	C
III.B2.TP-43	3.5.1-92	A
III.B4.TP-42	3.5.1-55	A
III.B4.TP-42	3.5.1-55	A
III.A1.TP-67	3.5.1-47	A
III.A1.TP-212	3.5.1-65	A
III.A1.TP-29	3.5.1-67	A
III.A1.TP-26	3.5.1-66	A
III.A1.TP-26	3.5.1-66	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-23	3.5.1-64	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-23	3.5.1-64	A
III.A3.TP-302	3.5.1-77	A
III.B4.TP-6	3.5.1-93	C
III.A3.TP-302	3.5.1-77	C
III.B1.2.TP-232	3.5.1-85	C
III.B1.2.T-24	3.5.1-91	A
III.B1.2.T-24	3.5.1-91	A
III.B3.TP-42	3.5.1-55	A
III.A1.TP-26	3.5.1-66	C
III.A1.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.B5.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-80	3.5.1-22	A
III.A3.TP-24	3.5.1-63	C
II.B2.2.CP-114	3.5.1-41	C

III.A1.TP-302	3.5.1-77	A
III.A1.TP-302	3.5.1-77	A
III.A3.TP-23	3.5.1-64	A
III.A6.T-20	3.5.1-56	E, 2
III.A3.TP-26	3.5.1-66	A
III.B2.TP-8	3.5.1-95	A
III.B3.TP-8	3.5.1-95	C
III.A6.TP-7	3.5.1-72	A
III.A3.TP-23	3.5.1-64	C
III.B4.TP-6	3.5.1-93	A
III.B4.TP-8	3.5.1-95	C
III.B4.TP-8	3.5.1-95	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.B2.TP-8	3.5.1-95	C
III.A3.TP-302	3.5.1-77	C
III.A3.TP-302	3.5.1-77	C
III.A6.TP-7	3.5.1-72	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-67	3.5.1-47	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-26	3.5.1-66	A
III.B1.1.TP-8	3.5.1-95	A
III.A6.TP-261	3.5.1-88	A
III.A6.TP-221	3.5.1-83	A
III.A6.TP-261	3.5.1-88	A
III.A6.TP-261	3.5.1-88	A
VII.G.A-19	3.3.1-57	E, 4
III.A6.TP-38	3.5.1-59	A
III.A6.TP-38	3.5.1-59	A
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-30	3.5.1-44	A
III.A3.TP-212	3.5.1-65	A
III.A6.TP-7	3.5.1-72	A
III.A3.TP-261	3.5.1-88	A
III.B2.TP-8	3.5.1-95	C
VII.G.A-19	3.3.1-57	E, 1
III.A3.TP-261	3.5.1-88	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-26	3.5.1-66	A
III.A3.T-12	3.5.1-70	A, 2
III.B5.TP-8	3.5.1-95	C
III.B5.TP-8	3.5.1-95	C
II.B2.2.CP-46	3.5.1-35	A

III.A6.T-22	3.5.1-58	A
III.A6.TP-37	3.5.1-61	A
III.B5.TP-8	3.5.1-95	C
VII.G.A-33	3.3.1-64	E, 1
III.A6.TP-261	3.5.1-88	A
III.A6.TP-248	3.5.1-80	A
III.A6.TP-7	3.5.1-72	A
		H, 2
		H, 2
III.A6.TP-37	3.5.1-61	A
III.B5.TP-8	3.5.1-95	C
III.A1.TP-26	3.5.1-66	A
III.A1.TP-23	3.5.1-64	A
III.A1.TP-23	3.5.1-64	A
III.A1.TP-29	3.5.1-67	A
III.B2.TP-8	3.5.1-95	C
III.B2.TP-8	3.5.1-95	C
III.A1.TP-26	3.5.1-66	A
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
II.B2.2.CP-46	3.5.1-35	A
II.B4.C-16	3.5.1-28	A
III.A4.TP-302	3.5.1-77	C, 9
III.A4.TP-302	3.5.1-77	C, 9
		J, 4
III.B2.TP-8	3.5.1-95	C
III.B2.TP-8	3.5.1-95	C
III.A1.TP-302	3.5.1-77	C
III.B2.TP-8	3.5.1-95	C
III.A1.TP-26	3.5.1-66	A, 2
II.B2.2.CP-114	3.5.1-41	C
III.A5.T-14	3.5.1-78	A, 4
III.A1.TP-302	3.5.1-77	C
III.A1.TP-302	3.5.1-77	C
III.A3.TP-261	3.5.1-88	A
III.A6.TP-7	3.5.1-72	A
III.B2.TP-6	3.5.1-93	C
III.B2.TP-8	3.5.1-95	C
III.B2.TP-6	3.5.1-93	C
III.B2.TP-8	3.5.1-95	C
III.A6.TP-7	3.5.1-72	A
III.A6.TP-7	3.5.1-72	A
III.A3.TP-26	3.5.1-66	A
III.A3.TP-302	3.5.1-77	C
III.A3.TP-29	3.5.1-67	A
III.B5.TP-8	3.5.1-95	C
III.A3.TP-212	3.5.1-65	A
III.A3.TP-29	3.5.1-67	A
III.A3.TP-212	3.5.1-65	A
III.A3.TP-274	3.5.1-82	A
III.A3.TP-261	3.5.1-88	A

III.A6.TP-7	3.5.1-72	A
III.A3.TP-212	3.5.1-65	A, 1
III.A3.TP-26	3.5.1-66	A, 1
III.A3.TP-302	3.5.1-77	C
II.B2.2.CP-114	3.5.1-41	C
III.A3.TP-26	3.5.1-66	A
		J
III.A3.TP-261	3.5.1-88	A