

	GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT
Effluents/Release Rates	RG1 Release of gaseous radioactivity resulting in offsite dose greater than 1,000 mrem TEDE or 5,000 mrem thyroid CDE.	RS1 Release of gaseous radioactivity resulting in offsite dose greater than 100 mrem TEDE or 500 mrem thyroid CDE.	RA1 Release of gaseous or liquid radioactivity resulting in offsite dose greater than 10 mrem TEDE or 50 mrem thyroid CDE.	RU1 Release of gaseous or liquid radioactivity greater than 2 times the DCCM limits for 60 minutes or longer.
	RG2 Spent fuel pool level cannot be restored to at least 15.25' for 90 minutes or longer.	RS2 Spent fuel pool level at 15.25'.	RA2 Significant lowering of water level above, or damage to, irradiated fuel.	RU2 UNPLANNED loss of water level above irradiated fuel.
Abnormal that Release Rad Effluent	RG3 Spent fuel pool level cannot be restored to at least 15.25' for 90 minutes or longer.	RS3 Spent fuel pool level at 15.25'.	RA3 Radiation levels that impede access to equipment necessary for normal plant operations, shutdown or shutdown.	RU3 UNPLANNED rise in radiation levels above indicated by the following radiation monitors.
	RG4 Spent fuel pool level cannot be restored to at least 15.25' for 90 minutes or longer.	RS4 Spent fuel pool level at 15.25'.	RA4 Radiation levels that impede access to equipment necessary for normal plant operations, shutdown or shutdown.	RU4 UNPLANNED rise in radiation levels above indicated by the following radiation monitors.
Spent Fuel Pool Level in Plant	RG5 Spent fuel pool level cannot be restored to at least 15.25' for 90 minutes or longer.	RS5 Spent fuel pool level at 15.25'.	RA5 Radiation levels that impede access to equipment necessary for normal plant operations, shutdown or shutdown.	RU5 UNPLANNED rise in radiation levels above indicated by the following radiation monitors.
	RG6 Spent fuel pool level cannot be restored to at least 15.25' for 90 minutes or longer.	RS6 Spent fuel pool level at 15.25'.	RA6 Radiation levels that impede access to equipment necessary for normal plant operations, shutdown or shutdown.	RU6 UNPLANNED rise in radiation levels above indicated by the following radiation monitors.
Security	HG1 HOSTILE ACTION resulting in loss of physical control of the facility.	HS1 HOSTILE ACTION within the Plant PROTECTED AREA.	HA1 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU1 Confirmed SECURITY CONDITION or threat.
	HG2 HOSTILE ACTION resulting in loss of physical control of the facility.	HS2 HOSTILE ACTION within the Plant PROTECTED AREA.	HA2 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU2 Confirmed SECURITY CONDITION or threat.
Natural & Destructive Phenomenon	HG3 HOSTILE ACTION resulting in loss of physical control of the facility.	HS3 HOSTILE ACTION within the Plant PROTECTED AREA.	HA3 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU3 Confirmed SECURITY CONDITION or threat.
	HG4 HOSTILE ACTION resulting in loss of physical control of the facility.	HS4 HOSTILE ACTION within the Plant PROTECTED AREA.	HA4 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU4 Confirmed SECURITY CONDITION or threat.
Fire or Explosion	HG5 HOSTILE ACTION resulting in loss of physical control of the facility.	HS5 HOSTILE ACTION within the Plant PROTECTED AREA.	HA5 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU5 Confirmed SECURITY CONDITION or threat.
	HG6 HOSTILE ACTION resulting in loss of physical control of the facility.	HS6 HOSTILE ACTION within the Plant PROTECTED AREA.	HA6 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU6 Confirmed SECURITY CONDITION or threat.
Toxic, Corrosive, Asphyxiant or Flammable Gases	HG7 HOSTILE ACTION resulting in loss of physical control of the facility.	HS7 HOSTILE ACTION within the Plant PROTECTED AREA.	HA7 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU7 Confirmed SECURITY CONDITION or threat.
	HG8 HOSTILE ACTION resulting in loss of physical control of the facility.	HS8 HOSTILE ACTION within the Plant PROTECTED AREA.	HA8 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU8 Confirmed SECURITY CONDITION or threat.
Control Room	HG9 HOSTILE ACTION resulting in loss of physical control of the facility.	HS9 HOSTILE ACTION within the Plant PROTECTED AREA.	HA9 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU9 Confirmed SECURITY CONDITION or threat.
	HG10 HOSTILE ACTION resulting in loss of physical control of the facility.	HS10 HOSTILE ACTION within the Plant PROTECTED AREA.	HA10 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU10 Confirmed SECURITY CONDITION or threat.
Shift Manager / Director Judgment	HG11 HOSTILE ACTION resulting in loss of physical control of the facility.	HS11 HOSTILE ACTION within the Plant PROTECTED AREA.	HA11 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU11 Confirmed SECURITY CONDITION or threat.
	HG12 HOSTILE ACTION resulting in loss of physical control of the facility.	HS12 HOSTILE ACTION within the Plant PROTECTED AREA.	HA12 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU12 Confirmed SECURITY CONDITION or threat.
ISFSI Events	HG13 HOSTILE ACTION resulting in loss of physical control of the facility.	HS13 HOSTILE ACTION within the Plant PROTECTED AREA.	HA13 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU13 Confirmed SECURITY CONDITION or threat.
	HG14 HOSTILE ACTION resulting in loss of physical control of the facility.	HS14 HOSTILE ACTION within the Plant PROTECTED AREA.	HA14 HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne stack threat within 30 minutes.	HU14 Confirmed SECURITY CONDITION or threat.

	GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT
Containment Challenge Table C1	CG1 Loss of RPV inventory affecting fuel clad integrity with containment challenge.	CS1 Loss of RPV inventory affecting core decay heat removal capability.	CA1 Loss of RPV inventory.	CU1 UNPLANNED loss of RPV inventory for 15 minutes or longer.
	CG2 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS2 Secondary Containment established.	CA2 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU2 Loss of all but one AC power source to essential buses for 15 minutes or longer.
Loss of Power	CG3 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS3 Secondary Containment established.	CA3 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU3 Loss of all but one AC power source to essential buses for 15 minutes or longer.
	CG4 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS4 Secondary Containment established.	CA4 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU4 Loss of all but one AC power source to essential buses for 15 minutes or longer.
Temp. Control	CG5 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS5 Secondary Containment established.	CA5 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU5 Loss of all but one AC power source to essential buses for 15 minutes or longer.
	CG6 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS6 Secondary Containment established.	CA6 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU6 Loss of all but one AC power source to essential buses for 15 minutes or longer.
Cold SV/Refuel System Malfunction	CG7 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS7 Secondary Containment established.	CA7 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU7 Loss of all but one AC power source to essential buses for 15 minutes or longer.
	CG8 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS8 Secondary Containment established.	CA8 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU8 Loss of all but one AC power source to essential buses for 15 minutes or longer.
Communication	CG9 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS9 Secondary Containment established.	CA9 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU9 Loss of all but one AC power source to essential buses for 15 minutes or longer.
	CG10 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS10 Secondary Containment established.	CA10 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU10 Loss of all but one AC power source to essential buses for 15 minutes or longer.
Hazardous Events	CG11 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS11 Secondary Containment established.	CA11 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU11 Loss of all but one AC power source to essential buses for 15 minutes or longer.
	CG12 RPV level less than 126 in. (TAF) for 30 minutes or longer.	CS12 Secondary Containment established.	CA12 Loss of all offsite and all onsite AC power to essential buses for 15 minutes or longer.	CU12 Loss of all but one AC power source to essential buses for 15 minutes or longer.

## COLD CONDITIONS

## DEFINITIONS

<p><b>CONFINEMENT BOUNDARY:</b> The barrier(s) between areas containing spent fuel and the environment once the spent fuel is processed for dry storage.</p> <p><b>EXPLOSION:</b> A rapid, violent and catastrophic failure of a piece of equipment due to combustion, chemical reaction or overpressurization. A release of steam (from high energy lines or components) or an electrical component failure (caused by short circuits, grounding, arcing, etc.) should not automatically be considered an explosion. Such events may require a post-event inspection to determine if the attributes of an explosion are present.</p> <p><b>FIRE:</b> Combustion characterized by heat and light. Sources of smoke such as slipping drive belts or overheated electrical equipment do not constitute FIRES. Observation of flame is preferred but is NOT required if large quantities of smoke and heat are observed.</p> <p><b>HOSTILE ACTION:</b> An act toward a NPP or its personnel that includes the use of violent force to destroy equipment, take HOSTAGES, and/or intimidate the licensee to achieve an end. This includes attack by air, land, or water using guns, explosives, PROJECTILES, vehicles, or other devices used to deliver destructive force. Other acts that satisfy the overall intent may be included. HOSTILE ACTION should not be construed to include acts of civil disobedience or riotous acts that are not part of a concerted attack on the NPP. Non-terrorist-based EALs should be used to address such activities (i.e., this may include violent acts between individuals in the owner controlled area).</p> <p><b>ISFSI PROTECTED AREA:</b> The area surrounding the Independent Spent Fuel Storage Installation encompassed by the double chain link fence surrounding the ISFSI as defined in the Security Plan; the ISFSI Protected Area is excluded from the Plant Protected Area.</p> <p><b>OWNER CONTROLLED AREA:</b> The OCA boundaries consist of the plant property enclosed by a three strand barbed wire fence and a posted boundary on the Wright County side of the river.</p> <p><b>PROTECTED AREA:</b> The area surrounding the plant encompassed by the chain link fence and certain structures as defined in the Security Plan; excludes the ISFSI Protected Area. In areas where two fences are present, the inner fence is designated as the Protected Area barrier.</p> <p><b>REFUELING PATHWAY:</b> The reactor refueling cavity, spent fuel pool, or fuel transfer canal.</p> <p><b>SAFETY SYSTEM:</b> A system required for safe plant operation, cooling down the plant and/or placing it in the cold shutdown condition, including the ECOS. These are typically systems classified as safety-related.</p>	<p><b>MINIMENT:</b> The trajectory of events or conditions is such that an EAL will be met within a relatively short period of time regardless of mitigation or corrective actions.</p> <p><b>INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI):</b> A complex that is designed and constructed for the interim storage of spent nuclear fuel and other radioactive materials associated with spent fuel storage.</p> <p><b>ISFSI PROTECTED AREA:</b> The area surrounding the Independent Spent Fuel Storage Installation encompassed by the double chain link fence surrounding the ISFSI as defined in the Security Plan; the ISFSI Protected Area is excluded from the Plant Protected Area.</p> <p><b>OWNER CONTROLLED AREA:</b> The OCA boundaries consist of the plant property enclosed by a three strand barbed wire fence and a posted boundary on the Wright County side of the river.</p> <p><b>PROTECTED AREA:</b> The area surrounding the plant encompassed by the chain link fence and certain structures as defined in the Security Plan; excludes the ISFSI Protected Area. In areas where two fences are present, the inner fence is designated as the Protected Area barrier.</p> <p><b>REFUELING PATHWAY:</b> The reactor refueling cavity, spent fuel pool, or fuel transfer canal.</p> <p><b>SAFETY SYSTEM:</b> A system required for safe plant operation, cooling down the plant and/or placing it in the cold shutdown condition, including the ECOS. These are typically systems classified as safety-related.</p>	<p><b>SECURITY CONDITION:</b> Any Security Event as listed in the approved security contingency plan that constitutes a threat to the safety of the plant, a potential degradation to the level of safety of the plant, or a potential degradation to the level of safety of the plant. A SECURITY CONDITION does not involve a HOSTILE ACTION.</p> <p><b>SECONDARY CONTAINMENT:</b> SECONDARY CONTAINMENT includes the Reactor Building (including the HFO Building), the Standby Gas Treatment System, the Offgas Duct System, and connecting pipes and ducts. SECONDARY CONTAINMENT is isolated along with an automatic initiation of the Standby Gas Treatment System to minimize radiological releases to the environment.</p> <p><b>SITE BOUNDARY:</b> For Dose Assessment and Protective Action Recommendation purposes the SITE BOUNDARY is the closest distance at which members of the public would be exposed to a radioactive release. THE SITE BOUNDARY for liquid releases of radioactive material is defined in ODOA-02-01 (LIQUID EFFLUENTS). THE SITE BOUNDARY for gaseous releases of radioactive material is defined in ODOA-03-01 (GASEOUS EFFLUENTS).</p> <p><b>UNPLANNED:</b> An open or braced system line that cannot be isolated, removed or locally UNPLANNED: A parameter change or an event that is not (1) the result of an intended evolution or (2) an expected plant response to a transient. The cause of the parameter change or event may be known or unknown.</p> <p><b>VISIBLE DAMAGE:</b> Damage to a component or structure that is readily observable without measurements, testing, or analysis. The visual impact of the damage is sufficient to cause concern regarding the operability or reliability of the affected component or structure.</p>
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Building	Rooms	Applicable Modes
Reactor Building	All	All
HPCI Building	All	All
Turbine Building	All	All
Control and Administration Building	Control Room, Cable Spreading Room, and Battery Rooms	All
Diesel Generator Building	All	All
Diesel Fuel Oil Transfer House	All	All
EFT Building	All	All
Intake Structure	All	All

  

Building Name	Room(s)/Area(s) with Safety Equipment
Reactor Building	All
HPCI Building	All
Turbine Building	All
Control and Administration Building	Control Room, Cable Spreading Room, and Battery Rooms
Diesel Generator Building	All
Diesel Fuel Oil Transfer House	All
EFT Building	All
Intake Structure	All

Modes:	1	2	3	4	5	DEF
	Power Operation	Startup	Hot Shutdown	Cold Shutdown	Refueling	Defueled

JK-20170-00100