

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT	
Abnormal Rad Levels / Radiological Effluents							
Radiological Effluents	<p>RG1 1 2 3 4 5 D</p> <p>Release of gaseous radioactivity resulting in offsite dose greater than 1,000 mRem TEDE or 5,000 mRem thyroid CDE.</p> <p>Emergency Action Level (EAL):</p> <p>Notes:</p> <ul style="list-style-type: none"> The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. If an ongoing release is detected and the release start time is unknown, assume that the release duration has exceeded 15 minutes. Classification based on effluent monitor readings assumes that a release path to the environment is established. If the effluent flow past an effluent monitor is known to have stopped due to actions to isolate the release path, then the effluent monitor reading is no longer valid for classification purposes. The pre-calculated effluent monitor values presented in EAL #1 (Table R1) should be used for emergency classification assessments until the results from a dose assessment using actual meteorology are available. 	<p>RS1 1 2 3 4 5 D</p> <p>Release of gaseous radioactivity resulting in offsite dose greater than 100 mRem TEDE or 500 mRem thyroid CDE.</p> <p>Emergency Action Level (EAL):</p> <p>Notes:</p> <ul style="list-style-type: none"> The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. If an ongoing release is detected and the release start time is unknown, assume that the release duration has exceeded 15 minutes. Classification based on effluent monitor readings assumes that a release path to the environment is established. If the effluent flow past an effluent monitor is known to have stopped due to actions to isolate the release path, then the effluent monitor reading is no longer valid for classification purposes. The pre-calculated effluent monitor values presented in EAL #1 (Table R1) should be used for emergency classification assessments until the results from a dose assessment using actual meteorology are available. 	<p>RA1 1 2 3 4 5 D</p> <p>Release of gaseous or liquid radioactivity resulting in offsite dose greater than 10 mrem TEDE or 50 mrem thyroid CDE.</p> <p>Emergency Action Level (EAL):</p> <p>Notes:</p> <ul style="list-style-type: none"> The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. If an ongoing release is detected and the release start time is unknown, assume that the release duration has exceeded 15 minutes. Classification based on effluent monitor readings assumes that a release path to the environment is established. If the effluent flow past an effluent monitor is known to have stopped due to actions to isolate the release path, then the effluent monitor reading is no longer valid for classification purposes. The pre-calculated effluent monitor values presented in EAL #1 (Table R1) should be used for emergency classification assessments until the results from a dose assessment using actual meteorology are available. 	<p>RU1 1 2 3 4 5 D</p> <p>Release of gaseous or liquid radioactivity greater than 2 times the ODCM limits for 60 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Notes:</p> <ul style="list-style-type: none"> The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. If an ongoing release is detected and the release start time is unknown, assume that the release duration has exceeded 60 minutes. Classification based on effluent monitor readings assumes that a release path to the environment is established. If the effluent flow past an effluent monitor is known to have stopped due to actions to isolate the release path, then the effluent monitor reading is no longer valid for classification purposes. 			
	<ol style="list-style-type: none"> Readings on ANY Table R1 Effluent Monitor > Table R1 value for ≥ 15 minutes. <p>OR</p> <ol style="list-style-type: none"> Dose assessment Using actual meteorology indicates doses at or beyond the site boundary of EITHER: <ol style="list-style-type: none"> > 1000 mRem TEDE <p>OR</p> <ol style="list-style-type: none"> > 5000 mRem CDE Thyroid <p>OR</p> <ol style="list-style-type: none"> Field survey results at or beyond the site boundary indicate EITHER: <ol style="list-style-type: none"> Gamma (closed window) dose rates > 1000 mR/hr are expected to continue for ≥ 60 minutes. <p>OR</p> <ol style="list-style-type: none"> Analyses of field survey samples indicate > 5000 mRem CDE Thyroid for 60 minutes of inhalation. 	<ol style="list-style-type: none"> Readings on ANY Table R1 Effluent Monitor > Table R1 value for ≥ 15 minutes. <p>OR</p> <ol style="list-style-type: none"> Dose assessment using actual meteorology indicates doses at or beyond the site boundary of EITHER: <ol style="list-style-type: none"> > 100 mRem TEDE <p>OR</p> <ol style="list-style-type: none"> > 500 mRem CDE Thyroid <p>OR</p> <ol style="list-style-type: none"> Field survey results at or beyond the site boundary indicate EITHER: <ol style="list-style-type: none"> Gamma (closed window) dose rates > 100 mR/hr are expected to continue for ≥ 60 minutes. <p>OR</p> <ol style="list-style-type: none"> Analyses of field survey samples indicate > 500 mRem CDE Thyroid for 60 minutes of inhalation. 	<ol style="list-style-type: none"> Readings on ANY Table R1 Effluent Monitor > Table R1 value for ≥ 15 minutes. <p>OR</p> <ol style="list-style-type: none"> Dose assessment using actual meteorology indicates doses at or beyond the site boundary of EITHER: <ol style="list-style-type: none"> > 10 mRem TEDE <p>OR</p> <ol style="list-style-type: none"> > 50 mRem CDE Thyroid <p>OR</p> <ol style="list-style-type: none"> Analysis of a liquid effluent sample indicates a concentration or release rate that would result in doses greater than EITHER of the following at or beyond the site boundary. <ol style="list-style-type: none"> 10 mRem TEDE for 60 minutes of exposure. <p>OR</p> <ol style="list-style-type: none"> 50 mRem CDE Thyroid for 60 minutes of exposure. <p>OR</p> <ol style="list-style-type: none"> Field survey results at or beyond the site boundary indicate EITHER: <ol style="list-style-type: none"> Gamma (closed window) dose rates > 10 mR/hr are expected to continue for ≥ 60 minutes. <p>OR</p> <ol style="list-style-type: none"> Analyses of field survey samples indicate > 50 mRem CDE Thyroid for 60 minutes of inhalation. 	<ol style="list-style-type: none"> Reading on the Liquid Radwaste Effluent Monitor (LWS-RE206) > 2 times DRMS High (red) established by a current radioactive release discharge permit for ≥ 60 minutes. <p>OR</p> <ol style="list-style-type: none"> Readings on ANY Table R1 Effluent Monitor > Table R1 value for ≥ 60 minutes. <p>OR</p> <ol style="list-style-type: none"> Confirmed sample analyses for gaseous or liquid releases indicate concentrations or release rates > 2 times ODCM Limit with a release duration of ≥ 60 minutes. 			

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

Table R1 Effluent Monitor Thresholds				
Effluent Monitor	General Emergency	Site Area Emergency	Alert	Unusual Event
Radwaste/RB Vent Effluent (2RMS-PNL180C)	4.80 E+07 µCi/sec	4.80 E+06 µCi/sec	4.80 E+05 µCi/sec	1.69 E+05 µCi/sec
Main Stack Effluent (2RMS-PNL170C)	1.02 E+11 µCi/sec	1.02 E+10 µCi/sec	1.02 E+09 µCi/sec	7.12 E+05 µCi/sec

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT												
Abnormal Rad Levels / Radiological Effluents																		
Radiological Effluents	<p>RG2 1 2 3 4 5 D</p> <p>Spent fuel pool level cannot be restored to at least 330 feet for 60 minutes or longer.</p> <p>Emergency Action Levels (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>Spent fuel pool level cannot be restored to at least 330 feet as indicated on 2SFC-LI413A or B for ≥ 60 minutes.</p>	<p>RS2 1 2 3 4 5 D</p> <p>Spent fuel pool level at 330 feet.</p> <p>Emergency Action Level (EAL):</p> <p>Lowering of spent fuel pool level to 330 feet as indicated on 2SFC-LI413A or B.</p>	<p>RA2 1 2 3 4 5 D</p> <p>Significant lowering of water level above, or damage to, irradiated fuel.</p> <p>Emergency Action Level (EAL):</p> <ol style="list-style-type: none"> Uncovery of irradiated fuel in the REFUELING PATHWAY. <p>OR</p> <ol style="list-style-type: none"> Damage to irradiated fuel resulting in a release of radioactivity from the fuel as indicated by ANY Table R2 Radiation Monitor Alarm. <p>OR</p> <ol style="list-style-type: none"> Lowering of spent fuel pool level to 340 feet as indicated on 2SFC-LI413A or B. 	<p>RU2 1 2 3 4 5 D</p> <p>UNPLANNED loss of water level above irradiated fuel.</p> <p>Emergency Action Level (EAL):</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> UNPLANNED water level drop in the REFUELING PATHWAY as indicated by ANY of the following: <ul style="list-style-type: none"> Inability to restore and maintain Spent Fuel Pool water level > low water level alarm. Indication or report of a drop in water level in the REFUELING PATHWAY. <p>AND</p> <ol style="list-style-type: none"> UNPLANNED Area Radiation Monitor reading rise on ANY Table R2 radiation monitor. 														
	<p style="text-align: center;">Table R3 Areas Requiring Continuous Occupancy</p> <ul style="list-style-type: none"> Main Control Room Central Alarm Station – (by survey) 	<p style="text-align: center;">Table R2 Refuel Floor Radiation Monitors</p> <ul style="list-style-type: none"> 2RMS-RE111 2RMS-RE112 2RMS-RE113 2RMS-RE114 2HVR*RE14A 2HVR*RE14B 	<p style="text-align: center;">Table R4 Areas with Entry Related Mode Applicability</p> <table border="1"> <thead> <tr> <th>Area</th> <th>Entry Related Mode Applicability</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">Reactor Building</td> </tr> <tr> <td>175' RHS A Pump Room (RHR A)</td> <td rowspan="3" style="text-align: center;">Mode 3, 4, and 5</td> </tr> <tr> <td>196' Az 56 Deg (RHR A)</td> </tr> <tr> <td>175' RHS B Pump Room (RHR A & B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Control Building</td> </tr> <tr> <td>261' Div 1 Switchgear Room (RHR A & B)</td> <td></td> </tr> <tr> <td>261' Div 2 Switchgear Room (RHR A & B)</td> <td></td> </tr> </tbody> </table>	Area	Entry Related Mode Applicability	Reactor Building		175' RHS A Pump Room (RHR A)	Mode 3, 4, and 5	196' Az 56 Deg (RHR A)	175' RHS B Pump Room (RHR A & B)	Control Building		261' Div 1 Switchgear Room (RHR A & B)		261' Div 2 Switchgear Room (RHR A & B)		<p>RA3 1 2 3 4 5 D</p> <p>Radiation levels that impede access to equipment necessary for normal plant operations, cooldown or shutdown.</p> <p>Emergency Action Level (EAL):</p> <p>Note: If the equipment in the room or area listed in Table R4 was already inoperable, or out of service, before the event occurred, then no emergency classification is warranted.</p> <ol style="list-style-type: none"> Dose rate > 15 mR/hr in ANY of the areas in Table R3. <p>OR</p> <ol style="list-style-type: none"> UNPLANNED event results in radiation levels that prohibit or significantly impede access to ANY of the areas in Table R4.
Area	Entry Related Mode Applicability																	
Reactor Building																		
175' RHS A Pump Room (RHR A)	Mode 3, 4, and 5																	
196' Az 56 Deg (RHR A)																		
175' RHS B Pump Room (RHR A & B)																		
Control Building																		
261' Div 1 Switchgear Room (RHR A & B)																		
261' Div 2 Switchgear Room (RHR A & B)																		

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

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		
FG1 Loss of ANY two barriers AND Loss or Potential Loss of third barrier. 1 2 3		FS1 Loss or Potential Loss of ANY two barriers. 1 2 3		FA1 ANY Loss or ANY Potential Loss of either Fuel Clad or RCS. 1 2 3		
Sub-Category	FC – Fuel Clad		RC – Reactor Coolant System		CT - Containment	
	Loss	Potential Loss	Loss	Potential Loss	Loss	Potential Loss
1. RCS Activity	Coolant activity > 300 uCi/gm Dose Equivalent I-131.	None	None	None	None	None
2. RPV Water Level	1. SAP entry required	2. RPV water level cannot be restored and maintained > -14 inches (TAF). OR 3. RPV water level cannot be determined.	1. RPV water level cannot be restored and maintained > -14 inches (TAF). OR 2. RPV water level cannot be determined.	None	None	SAP entry required
3. Primary Containment Pressure / Conditions	None	None	1. a. Primary Containment pressure > 1.68 psig. AND b. Primary Containment pressure rise is due to RCS leakage.	None	1. UNPLANNED rapid drop in Primary Containment pressure following Primary Containment pressure rise. OR 2. Primary Containment pressure response not consistent with LOCA conditions.	3. Primary Containment pressure > 45 psig and rising. OR 4. a. Primary Containment hydrogen concentration ≥ 6%. AND b. Primary Containment oxygen concentration ≥ 5%. OR 5. Heat Capacity Temperature Limit (HCTL) (N2-EOP-PC Figure M) exceeded.
4. RCS Leak Rate	None	None	1. UNISOLABLE Main Steam Line (MSL), RCIC, Feedwater, or WCS line break. OR 2. RPV Blowdown is required.	3. UNISOLABLE primary system leakage that results in EITHER of the following: a. RB area temperature above an isolation setpoint. OR b. RB area radiation above an alarm setpoint.	None	None
5. Primary Containment Radiation	Drywell radiation monitor reading > 1.8 E+03 R/hr (1.8 E+06 mRem/hr).	None	Drywell radiation monitor reading > 100 R/hr (1.0 E+05 mRem/hr).	None	None	Drywell radiation monitor reading > 1.8 E+04 R/hr (1.8 E+07 mRem/hr).
6. Primary Containment Isolation Failure	None	None	None	None	1. UNISOLABLE direct downstream pathway to the environment exists after Primary Containment isolation signal. OR 2. Intentional Primary Containment venting/purging per EOPs or SAPs due to accident conditions. OR 3. UNISOLABLE primary system leakage that results in EITHER of the following: a. Exceeding RB area temperature Maximum Safe Value (N2-EOP-SC Detail S). OR b. RB area radiation > 8.00 E+03 mR/hr.	None
7. Emergency Director Judgment	1. Any Condition in the opinion of the Emergency Director that indicates Loss of the Fuel Clad Barrier.	2. Any Condition in the opinion of the Emergency Director that indicates Potential Loss of the Fuel Clad Barrier.	1. Any Condition in the opinion of the Emergency Director that indicates Loss of the RCS Barrier.	2. Any Condition in the opinion of the Emergency Director that indicates Potential Loss of the RCS Barrier.	1. Any Condition in the opinion of the Emergency Director that indicates Loss of the Containment Barrier.	2. Any Condition in the opinion of the Emergency Director that indicates Potential Loss of the Containment Barrier.

Modes: 1 – Power Operation 2 – Startup 3 – Hot Shutdown 4 – Cold Shutdown

5 – Refueling D – Defueled

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT	
System Malfunction							
Loss of AC Power	<p>MG1 1 2 3</p> <p>Prolonged loss of all offsite and all onsite AC power to emergency buses.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>1. Loss of ALL offsite and onsite AC power to 4.16 kV emergency buses 2ENS*SWG101 and 2ENS*SWG103. AND</p> <p>2. EITHER of the following:</p> <p style="margin-left: 20px;">a. Restoration of at least one 4.16 kV emergency bus 2ENS*SWG101 or 2ENS*SWG103 in < 4 hours is not likely. OR</p> <p style="margin-left: 20px;">b. RPV water level cannot be restored and maintained > -39 inches.</p>	<p>MS1 1 2 3</p> <p>Loss of all offsite and onsite AC power to emergency buses for 15 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>1. Loss of ALL offsite and onsite AC power to 4.16 kV emergency buses 2ENS*SWG101 and 2ENS*SWG103. AND</p> <p>2. Failure to restore power to at least one 4.16 kV emergency bus 2ENS*SWG101 or 2ENS*SWG103 in < 15 minutes from the time of loss of both offsite and onsite AC power.</p>	<p>MA1 1 2 3</p> <p>Loss of all but one AC power source to emergency buses for 15 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>1. AC power capability to 4.16 kV emergency buses 2ENS*SWG101 and 2ENS*SWG103 reduced to only one of the following power sources for ≥ 15 minutes.</p> <ul style="list-style-type: none"> • Reserve Transformer A • Reserve Transformer B • Aux Boiler Transformer • 2EGS*EG1 • 2EGS*EG3 • 2EGS*EG2 <p>AND</p> <p>2. ANY additional single power source failure will result in a loss of ALL AC power to SAFETY SYSTEMS.</p>	<p>MU1 1 2 3</p> <p>Loss of all offsite AC power capability to emergency buses for 15 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>Loss of ALL offsite AC power capability to 4.16 kV emergency buses 2ENS*SWG101 and 2ENS*SWG103 for ≥ 15 minutes.</p> <ul style="list-style-type: none"> • Reserve Transformer A • Reserve Transformer B • Aux Boiler Transformer 			
	Loss of DC Power	<p>MG2 1 2 3</p> <p>Loss of all AC and Vital DC power sources for 15 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>1. Loss of ALL offsite and onsite AC power to 4.16 kV emergency buses 2ENS*SWG101 and 2ENS*SWG103. AND</p> <p>2. Voltage is < 108 VDC on Vital DC buses 2BYS*SWG002A and 2BYS*SWG002B. AND</p> <p>3. ALL AC and Vital DC power sources in EALs #1 and #2 (excluding Division 3) have been lost for ≥ 15 minutes.</p>	<p>MS2 1 2 3</p> <p>Loss of all Vital DC power for 15 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>Voltage is < 108 VDC on 2BYS*SWG002A and 2BYS*SWG002B for ≥ 15 minutes.</p>				

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GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT		
System Malfunction								
RPS Failure		<p>MS3 1 2</p> <p>Inability to shutdown the reactor causing a challenge to RPV water level or RCS heat removal.</p> <p>Emergency Action Level (EAL):</p> <ol style="list-style-type: none"> Automatic scram did not shutdown the reactor as indicated by Reactor Power > 4%. <p>AND</p> <ol style="list-style-type: none"> ALL manual / ARI actions to shutdown the reactor have been unsuccessful as indicated by Reactor Power > 4%. <p>AND</p> <ol style="list-style-type: none"> EITHER of the following conditions exist: <ul style="list-style-type: none"> RPV water level cannot be restored and maintained > -39 inches. <p>OR</p> <ul style="list-style-type: none"> Heat Capacity Temperature Limit (HCTL) (N2-EOP-PC Figure M) exceeded. 	<p>MA3 1 2</p> <p>Automatic or manual scram fails to shutdown the reactor, and subsequent manual actions taken at the Reactor Control Console are not successful in shutting down the reactor.</p> <p>Emergency Action Level (EAL):</p> <p>Note: A manual action is any operator action, or set of actions, which causes the control rods to be rapidly inserted into the core. This action does not include manually driving in control rods or implementation of boron injection strategies.</p> <p>Note: A manual action is any operator action, or set of actions, which causes the control rods to be rapidly inserted into the core. This action does not include manually driving in control rods or implementation of boron injection strategies.</p> <ol style="list-style-type: none"> Automatic or manual scram did not shutdown the reactor as indicated by Reactor Power > 4%. <p>AND</p> <ol style="list-style-type: none"> Manual / ARI actions taken at the Reactor Control Console are not successful in shutting down the reactor as indicated by Reactor Power > 4%. 	<p>MU3 1 2</p> <p>Automatic or manual scram fails to shutdown the reactor.</p> <p>Emergency Action Level (EAL):</p> <p>Note: A manual action is any operator action, or set of actions, which causes the control rods to be rapidly inserted into the core. This action does not include manually driving in control rods or implementation of boron injection strategies.</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> Automatic scram did not shutdown the reactor as indicated by Reactor Power > 4%. <p>AND</p> <ol style="list-style-type: none"> Subsequent manual / ARI action taken at the Reactor Control Console is successful in shutting down the reactor as indicated by Reactor Power ≤ 4%. <p>OR</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> Manual scram did not shutdown the reactor as indicated by Reactor Power > 4%. <p>AND</p> <ol style="list-style-type: none"> EITHER of the following: <ol style="list-style-type: none"> Subsequent manual / ARI action taken at the Reactor Control Console is successful in shutting down the reactor as indicated by Reactor Power ≤ 4%. <p>OR</p> <ol style="list-style-type: none"> Subsequent automatic scram / ARI is successful in shutting down the reactor as indicated by Reactor Power ≤ 4%. 				
	Control Room Indications	<table border="1" style="width: 100%;"> <thead> <tr> <th>Table M1 Control Room Parameters</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> Reactor Power RPV Water Level RPV Pressure Primary Containment Pressure Suppression Pool Level Suppression Pool Temperature </td> </tr> </tbody> </table>	Table M1 Control Room Parameters	<ul style="list-style-type: none"> Reactor Power RPV Water Level RPV Pressure Primary Containment Pressure Suppression Pool Level Suppression Pool Temperature 	<table border="1" style="width: 100%;"> <thead> <tr> <th>Table M2 Significant Transients</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> Turbine runback > 25% thermal reactor power Electric load rejection > 25% full electric load Reactor Scram ECCS Activation Thermal Power oscillations > 10% </td> </tr> </tbody> </table>	Table M2 Significant Transients	<ul style="list-style-type: none"> Turbine runback > 25% thermal reactor power Electric load rejection > 25% full electric load Reactor Scram ECCS Activation Thermal Power oscillations > 10% 	<p>MA4 1 2 3</p> <p>UNPLANNED loss of Control Room indications for 15 minutes or longer with a significant transient in progress.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <ol style="list-style-type: none"> UNPLANNED event results in the inability to monitor ANY Table M1 parameter from within the Control Room for ≥ 15 minutes. <p>AND</p> <ol style="list-style-type: none"> ANY Table M2 transient in progress.
Table M1 Control Room Parameters								
<ul style="list-style-type: none"> Reactor Power RPV Water Level RPV Pressure Primary Containment Pressure Suppression Pool Level Suppression Pool Temperature 								
Table M2 Significant Transients								
<ul style="list-style-type: none"> Turbine runback > 25% thermal reactor power Electric load rejection > 25% full electric load Reactor Scram ECCS Activation Thermal Power oscillations > 10% 								

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GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT	
System Malfunction							
Hazard affects Safety System				<p>MA5 1 2 3</p> <p>Hazardous event affecting a SAFETY SYSTEM required for the current operating mode.</p> <p>Emergency Action Level (EAL):</p> <p>Note: If it is determined that the conditions of MA5 are not met then assess the event via HU3, HU4, or HU6.</p> <p>1. The occurrence of ANY of the following hazardous events:</p> <ul style="list-style-type: none"> • Seismic event (earthquake) • Internal or external flooding event • High winds or tornado strike • FIRE • EXPLOSION • Other events with similar hazard characteristics as determined by the Shift Manager. <p>AND</p> <p>2. EITHER of the following:</p> <p>a. Event damage has caused indications of degraded performance in at least one train of a SAFETY SYSTEM required by Technical Specifications for the current operating mode.</p> <p>OR</p> <p>b. The event has caused VISIBLE DAMAGE to a SAFETY SYSTEM component or structure required by Technical Specifications for the current operating mode.</p>			
	RCS Leak						<p>MU6 1 2 3</p> <p>RCS leakage for 15 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>1. RCS unidentified or pressure boundary leakage in the Drywell > 10 gpm for ≥ 15 minutes.</p> <p>OR</p> <p>2. RCS identified leakage in the Drywell > 25 gpm for ≥ 15 minutes.</p> <p>OR</p> <p>3. Leakage from the RCS to a location outside the Drywell > 25 gpm for ≥ 15 minutes.</p>

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System Malfunction

Communications

Table M3 Communications Capability			
System	Onsite	Offsite	NRC
Gaitronics	X		
Hand Held Portable Radio (Station Radio)	X		
PBX (Conventional Telephone lines)	X	X	X
Control Room installed satellite phone (non portable)	X	X	X
ENS		X	X
RECS		X	

MU7

1 2 3

Loss of all onsite or offsite communication capabilities.

Emergency Action Level (EAL):

1. Loss of **ALL** Table M3 onsite communication capabilities affecting the ability to perform routine operations.
OR
2. Loss of **ALL** Table M3 offsite communication capabilities affecting the ability to perform offsite notifications.
OR
3. Loss of **ALL** Table M3 NRC communication capabilities affecting the ability to perform NRC notifications.

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GENERAL EMERGENCY		SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT	
Hazards and Other conditions Affecting Plant Safety					
Hostile Action		<p>HS1 1 2 3 4 5 D</p> <p>HOSTILE ACTION within the PROTECTED AREA.</p> <p>Emergency Action Level (EAL):</p> <p>A notification from the Security Force that a HOSTILE ACTION is occurring or has occurred within the PROTECTED AREA.</p>	<p>HA1 1 2 3 4 5 D</p> <p>HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne attack threat within 30 minutes.</p> <p>Emergency Action Level (EAL):</p> <ol style="list-style-type: none"> 1. A validated notification from NRC from an aircraft attack threat < 30 minutes of the site. <p>OR</p> <ol style="list-style-type: none"> 2. Notification by the Security Force that a HOSTILE ACTION is occurring or has occurred within the OWNER CONTROLLED AREA. 	<p>HU1 1 2 3 4 5 D</p> <p>Confirmed SECURITY CONDITION or threat.</p> <p>Emergency Action Level (EAL):</p> <ol style="list-style-type: none"> 1. Notification of a credible security threat directed at the site as determined per SY-AA-101-132, Security Assessment and Response to Unusual Activities. <p>OR</p> <ol style="list-style-type: none"> 2. A validated notification from the NRC providing information of an aircraft threat. <p>OR</p> <ol style="list-style-type: none"> 3. Notification by the Security Force of a SECURITY CONDITION that does not involve a HOSTILE ACTION. 	
	<table border="1" style="width: 100%;"> <tr> <th style="text-align: center;">Table H1 Safety Functions</th> </tr> <tr> <td> <ul style="list-style-type: none"> • Reactivity Control (ability to shutdown the reactor and keep it shutdown) • RPV Water Level (ability to cool the core) • RCS Heat Removal (ability to maintain a heatsink) </td> </tr> </table>	Table H1 Safety Functions	<ul style="list-style-type: none"> • Reactivity Control (ability to shutdown the reactor and keep it shutdown) • RPV Water Level (ability to cool the core) • RCS Heat Removal (ability to maintain a heatsink) 	<p>HS2 1 2 3 4 5 D</p> <p>Inability to control a key safety function from outside the Control Room.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <ol style="list-style-type: none"> 1. A Control Room evacuation has resulted in plant control being transferred from the Control Room to alternate locations per N2-SOP-78, Control Room Evacuation. <p>AND</p> <ol style="list-style-type: none"> 2. Control of ANY Table H1 key safety function is not reestablished in < 15 minutes. 	<p>HA2 1 2 3 4 5 D</p> <p>Control Room evacuation resulting in transfer of plant control to alternate locations.</p> <p>Emergency Action Level (EAL):</p> <p>A Control Room evacuation has resulted in plant control being transferred from the Control Room to alternate locations per N2-SOP-78, Control Room Evacuation.</p>
Table H1 Safety Functions					
<ul style="list-style-type: none"> • Reactivity Control (ability to shutdown the reactor and keep it shutdown) • RPV Water Level (ability to cool the core) • RCS Heat Removal (ability to maintain a heatsink) 					

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

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT		
Hazards and Other conditions Affecting Plant Safety								
Fire					<p>HU3 1 2 3 4 5 D</p> <p>FIRE potentially degrading the level of safety of the plant.</p> <p>Emergency Action Level (EAL):</p> <p>Note:</p> <ul style="list-style-type: none"> The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. Escalation of the emergency classification level would be via IC CA2 or MA5. 			
					<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Table H2 Areas</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> Reactor Building (when inerted the Drywell is exempt) Control Room Relay Room Diesel Generator Engine and Board Rooms Standby Switchgear and Battery Rooms HPCS Switchgear and Battery Rooms Remote Shutdown Rooms Control Building HVAC Rooms Electrical Protection Assembly Room Service Water Pump Rooms </td> </tr> </tbody> </table>		Table H2 Areas	<ul style="list-style-type: none"> Reactor Building (when inerted the Drywell is exempt) Control Room Relay Room Diesel Generator Engine and Board Rooms Standby Switchgear and Battery Rooms HPCS Switchgear and Battery Rooms Remote Shutdown Rooms Control Building HVAC Rooms Electrical Protection Assembly Room Service Water Pump Rooms
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						<ol style="list-style-type: none"> A FIRE in ANY Table H2 area is not extinguished in < 15 minutes of ANY of the following FIRE detection indications: <ul style="list-style-type: none"> Report from the field (i.e., visual observation) Receipt of multiple (more than 1) fire alarms or indications Field verification of a single fire alarm <p>OR</p> <ol style="list-style-type: none"> Receipt of a single fire alarm in ANY Table H2 area (i.e., no other indications of a FIRE). <p>AND</p> <ol style="list-style-type: none"> The existence of a FIRE is not verified in < 30 minutes of alarm receipt. <p>OR</p> A FIRE within the plant PROTECTED AREA not extinguished in < 60 minutes of the initial report, alarm or indication. <p>OR</p> <ol style="list-style-type: none"> A FIRE within the plant PROTECTED AREA that requires firefighting support by an offsite fire response agency to extinguish. 		

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

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT	
Hazards and Other conditions Affecting Plant Safety							
Earthquake							<p>HU4 1 2 3 4 5 D</p> <p>Seismic event greater than OBE levels.</p> <p>Emergency Action Level (EAL):</p> <p>Note:</p> <ul style="list-style-type: none"> For emergency classification if EAL # 2.b is not able to be confirmed, then the occurrence of a seismic event is confirmed in manner deemed appropriate by the Emergency Director in ≤ 15 minutes of the event. Escalation of the emergency classification level would be via IC CA2 or MA5. <p>1. Seismic event > Operating Basis Earthquake (OBE) as indicated by:</p> <ul style="list-style-type: none"> Computer Point ERSNC02, OBE Detected <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> ANY amber LED light lit at the Seismic Monitor Panel, Response Spectrum Annunciator. <p style="text-align: center;">OR</p> <p>2. When Seismic Monitoring Equipment is not available:</p> <p>a. Control Room personnel feel an actual or potential seismic event.</p> <p style="text-align: center;">AND</p> <p>b. ANY one of the following confirmed in ≤ 15 minutes of the event:</p> <ul style="list-style-type: none"> The earthquake resulted in Modified Mercalli Intensity (MMI) > VI and occurred < 3.5 miles of the plant. The earthquake was magnitude > 6.0 The earthquake was magnitude > 5.0 and occurred < 125 miles of the plant.

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

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT	UNUSUAL EVENT																
Hazards and Other conditions Affecting Plant Safety																					
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	Table H3 Areas with Entry Related Mode Applicability																				
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Hazardous Event				<p>HU6 1 2 3 4 5 D</p> <p>Hazardous Event</p> <p>Emergency Action Level (EAL):</p> <p>Note:</p> <ul style="list-style-type: none"> • EAL #4 does not apply to routine traffic impediments such as fog, snow, ice, or vehicle breakdowns or accidents. • Escalation of the emergency classification level would be via IC CA2 or MA5. <ol style="list-style-type: none"> 1. Tornado strike within the PROTECTED AREA. OR 2. Internal room or area flooding of a magnitude sufficient to require manual or automatic electrical isolation of a SAFETY SYSTEM component required by Technical Specifications for the current operating mode. OR 3. Movement of personnel within the PROTECTED AREA is impeded due to an offsite event involving hazardous materials (e.g., an offsite chemical spill or toxic gas release). OR 4. A hazardous event that results in on-site conditions sufficient to prohibit the plant staff from accessing the site via personal vehicles. OR 5. Intake Water Level < 237 feet. 																	

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

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT	
Hazards and Other conditions Affecting Plant Safety							
Emergency Director Judgment	<p>HG7 1 2 3 4 5 D</p> <p>Other conditions exist which in the judgment of the Emergency Director warrant declaration of a GENERAL EMERGENCY.</p> <p>Emergency Action Level (EAL):</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve actual or IMMINENT substantial core degradation or melting with potential for loss of containment integrity or HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area.</p>	<p>HS7 1 2 3 4 5 D</p> <p>Other conditions exist which in the judgment of the Emergency Director warrant declaration of a SITE AREA EMERGENCY.</p> <p>Emergency Action Level (EAL):</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve actual or likely major failures of plant functions needed for protection of the public or HOSTILE ACTION that results in intentional damage or malicious acts, (1) toward site personnel or equipment that could lead to the likely failure of or, (2) that prevent effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the site boundary.</p>	<p>HA7 1 2 3 4 5 D</p> <p>Other conditions exist which in the judgment of the Emergency Director warrant declaration of an ALERT.</p> <p>Emergency Action Level (EAL):</p> <p>Other conditions exist which, in the judgment of the Emergency Director, indicate that events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.</p>	<p>HU7 1 2 3 4 5 D</p> <p>Other conditions exist which in the judgment of the Emergency Director warrant declaration of an UNUSUAL EVENT.</p> <p>Emergency Action Level (EAL):</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant or indicate a security threat to facility protection has been initiated. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.</p>			

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

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT	
ISFSI Malfunction							
ISFSI							<p>E-HU1 1 2 3 4 5 D</p> <p>Damage to a loaded cask CONFINEMENT BOUNDARY.</p> <p><u>Emergency Action Level (EAL):</u></p> <p>Damage to a loaded cask CONFINEMENT BOUNDARY as indicated by an on-contact radiation reading:</p> <p>For 61BT DSC:</p> <ul style="list-style-type: none"> • > 800 mrem/hr 3 feet from the HSM surface OR • > 200 mrem/hr outside the HSM door on centerline of DSC OR • > 40 mrem/hr end of shield wall exterior <p>For 61BTH DSC:</p> <ul style="list-style-type: none"> • > 1400 mrem/hr on the HSM or HSM-H front surface OR • > 200 mrem/hr on the HSM or HSM-H door centerline OR • > 40 mrem/hr on the end shield wall exterior

Modes: 1 – Power Operation 2 – Startup 3 – Hot Shutdown 4 – Cold Shutdown 5 – Refueling D - Defueled

GENERAL EMERGENCY SITE AREA EMERGENCY ALERT UNUSUAL EVENT

Abnormal Rad Levels / Radiological Effluents

Radiological Effluents	RG1 1 2 3 4 5 D	RS1 1 2 3 4 5 D	RA1 1 2 3 4 5 D	RU1 1 2 3 4 5 D
	<p>Release of gaseous radioactivity resulting in offsite dose greater than 1,000 mRem TEDE or 5,000 mRem thyroid CDE.</p> <p>Emergency Action Level (EAL):</p> <p>Notes:</p> <ul style="list-style-type: none"> The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. If an ongoing release is detected and the release start time is unknown, assume that the release duration has exceeded 15 minutes. Classification based on effluent monitor readings assumes that a release path to the environment is established. If the effluent flow past an effluent monitor is known to have stopped due to actions to isolate the release path, then the effluent monitor reading is no longer valid for classification purposes. The pre-calculated effluent monitor values presented in EAL #1(Table R1) should be used for emergency classification assessments until the results from a dose assessment using actual meteorology are available. <ol style="list-style-type: none"> Readings on ANY Table R1 Effluent Monitor > Table R1 value for ≥ 15 minutes. <p>OR</p> <ol style="list-style-type: none"> Dose assessment Using actual meteorology indicates doses at or beyond the site boundary of EITHER: <ol style="list-style-type: none"> > 1000 mRem TEDE > 5000 mRem CDE Thyroid <p>OR</p> <ol style="list-style-type: none"> Field survey results at or beyond the site boundary indicate EITHER: <ol style="list-style-type: none"> Gamma (closed window) dose rates > 1000 mR/hr are expected to continue for ≥ 60 minutes. Analyses of field survey samples indicate > 5000 mRem CDE Thyroid for 60 minutes of inhalation. 	<p>Release of gaseous radioactivity resulting in offsite dose greater than 100 mRem TEDE or 500 mRem thyroid CDE.</p> <p>Emergency Action Level (EAL):</p> <p>Notes:</p> <ul style="list-style-type: none"> The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. If an ongoing release is detected and the release start time is unknown, assume that the release duration has exceeded 15 minutes. Classification based on effluent monitor readings assumes that a release path to the environment is established. If the effluent flow past an effluent monitor is known to have stopped due to actions to isolate the release path, then the effluent monitor reading is no longer valid for classification purposes. The pre-calculated effluent monitor values presented in EAL #1(Table R1) should be used for emergency classification assessments until the results from a dose assessment using actual meteorology are available. <ol style="list-style-type: none"> Readings on ANY Table R1 Effluent Monitor > Table R1 value for ≥ 15 minutes. <p>OR</p> <ol style="list-style-type: none"> Dose assessment using actual meteorology indicates doses at or beyond the site boundary of EITHER: <ol style="list-style-type: none"> > 100 mRem TEDE > 500 mRem CDE Thyroid <p>OR</p> <ol style="list-style-type: none"> Field survey results at or beyond the site boundary indicate EITHER: <ol style="list-style-type: none"> Gamma (closed window) dose rates > 100 mR/hr are expected to continue for ≥ 60 minutes. Analyses of field survey samples indicate > 500 mRem CDE Thyroid for 60 minutes of inhalation. 	<p>Release of gaseous or liquid radioactivity resulting in offsite dose greater than 10 mrem TEDE or 50 mrem thyroid CDE.</p> <p>Emergency Action Level (EAL):</p> <p>Notes:</p> <ul style="list-style-type: none"> The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. If an ongoing release is detected and the release start time is unknown, assume that the release duration has exceeded 15 minutes. Classification based on effluent monitor readings assumes that a release path to the environment is established. If the effluent flow past an effluent monitor is known to have stopped due to actions to isolate the release path, then the effluent monitor reading is no longer valid for classification purposes. The pre-calculated effluent monitor values presented in EAL #1(Table R1) should be used for emergency classification assessments until the results from a dose assessment using actual meteorology are available. <ol style="list-style-type: none"> Readings on ANY Table R1 Effluent Monitor > Table R1 value for ≥ 15 minutes. <p>OR</p> <ol style="list-style-type: none"> Dose assessment using actual meteorology indicates doses at or beyond the site boundary of EITHER: <ol style="list-style-type: none"> > 10 mRem TEDE > 50 mRem CDE Thyroid <p>OR</p> <ol style="list-style-type: none"> Analysis of a liquid effluent sample indicates a concentration or release rate that would result in doses greater than EITHER of the following at or beyond the site boundary <ol style="list-style-type: none"> 10 mRem TEDE for 60 minutes of exposure 50 mRem CDE Thyroid for 60 minutes of exposure <p>OR</p> <ol style="list-style-type: none"> Field survey results at or beyond the site boundary indicate EITHER: <ol style="list-style-type: none"> Gamma (closed window) dose rates > 10 mR/hr are expected to continue for ≥ 60 minutes. Analyses of field survey samples indicate > 50 mRem CDE Thyroid for 60 minutes of inhalation. 	<p>Release of gaseous or liquid radioactivity greater than 2 times the ODCM limits for 60 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Notes:</p> <ul style="list-style-type: none"> The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. If an ongoing release is detected and the release start time is unknown, assume that the release duration has exceeded 60 minutes. Classification based on effluent monitor readings assumes that a release path to the environment is established. If the effluent flow past an effluent monitor is known to have stopped due to actions to isolate the release path, then the effluent monitor reading is no longer valid for classification purposes. <ol style="list-style-type: none"> Reading on the Liquid Radwaste Effluent Monitor (LWS-RE206) > 2 times DRMS High (red) established by a current radioactive release discharge permit for ≥ 60 minutes. <p>OR</p> <ol style="list-style-type: none"> Readings on ANY Table R1 Effluent Monitor > Table R1 value for ≥ 60 minutes. <p>OR</p> <ol style="list-style-type: none"> Confirmed sample analyses for gaseous or liquid releases indicate concentrations or release rates > 2 times ODCM Limit with a release duration of ≥ 60 minutes.

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

Table R1 Effluent Monitor Thresholds				
Effluent Monitor	General Emergency	Site Area Emergency	Alert	Unusual Event
Radwaste/RB Vent Effluent (2RMS-PNL180C)	4.80 E+07 µCi/sec	4.80 E+06 µCi/sec	4.80 E+05 µCi/sec	1.69 E+05 µCi/sec
Main Stack Effluent (2RMS-PNL170C)	1.02 E+11 µCi/sec	1.02 E+10 µCi/sec	1.02 E+09 µCi/sec	7.12 E+05 µCi/sec

GENERAL EMERGENCY SITE AREA EMERGENCY ALERT UNUSUAL EVENT

Abnormal Rad Levels / Radiological Effluents

Radiological Effluents	<p>RG2 1 2 3 4 5 D</p> <p>Spent fuel pool level cannot be restored to at least 330 feet for 60 minutes or longer.</p> <p>Emergency Action Levels (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>Spent fuel pool level cannot be restored to at least 330 feet as indicated on 2SFC-LI413A or B for ≥ 60 minutes.</p> <table border="1" style="margin-top: 20px; width: 100%;"> <thead> <tr> <th colspan="2">Table R3 Areas Requiring Continuous Occupancy</th> </tr> </thead> <tbody> <tr> <td colspan="2"> <ul style="list-style-type: none"> Main Control Room Central Alarm Station – (by survey) </td> </tr> </tbody> </table>	Table R3 Areas Requiring Continuous Occupancy		<ul style="list-style-type: none"> Main Control Room Central Alarm Station – (by survey) 		<p>RS2 1 2 3 4 5 D</p> <p>Spent fuel pool level at 330 feet.</p> <p>Emergency Action Level (EAL):</p> <p>Lowering of spent fuel pool level to 330 feet as indicated on 2SFC-LI413A or B.</p> <table border="1" style="margin-top: 20px; width: 100%;"> <thead> <tr> <th colspan="2">Table R2 Refuel Floor Radiation Monitors</th> </tr> </thead> <tbody> <tr> <td colspan="2"> <ul style="list-style-type: none"> 2RMS-RE111 2RMS-RE112 2RMS-RE113 2RMS-RE114 2HVR*RE14A 2HVR*RE14B </td> </tr> </tbody> </table> <table border="1" style="margin-top: 20px; width: 100%;"> <thead> <tr> <th colspan="2">Table R4 Areas with Entry Related Mode Applicability</th> </tr> <tr> <th>Area</th> <th>Entry Related Mode Applicability</th> </tr> </thead> <tbody> <tr> <td colspan="2">Reactor Building</td> </tr> <tr> <td>175' RHS A Pump Room (RHR A)</td> <td rowspan="3" style="text-align: center;">Mode 3, 4, and 5</td> </tr> <tr> <td>196' Az 56 Deg (RHR A)</td> </tr> <tr> <td>175' RHS B Pump Room (RHR A & B)</td> </tr> <tr> <td colspan="2">Control Building</td> </tr> <tr> <td>261' Div 1 Switchgear Room (RHR A & B)</td> <td></td> </tr> <tr> <td>261' Div 2 Switchgear Room (RHR A & B)</td> <td></td> </tr> </tbody> </table>	Table R2 Refuel Floor Radiation Monitors		<ul style="list-style-type: none"> 2RMS-RE111 2RMS-RE112 2RMS-RE113 2RMS-RE114 2HVR*RE14A 2HVR*RE14B 		Table R4 Areas with Entry Related Mode Applicability		Area	Entry Related Mode Applicability	Reactor Building		175' RHS A Pump Room (RHR A)	Mode 3, 4, and 5	196' Az 56 Deg (RHR A)	175' RHS B Pump Room (RHR A & B)	Control Building		261' Div 1 Switchgear Room (RHR A & B)		261' Div 2 Switchgear Room (RHR A & B)		<p>RA2 1 2 3 4 5 D</p> <p>Significant lowering of water level above, or damage to, irradiated fuel.</p> <p>Emergency Action Level (EAL):</p> <ol style="list-style-type: none"> Uncovery of irradiated fuel in the REFUELING PATHWAY. <p style="text-align: center;">OR</p> <ol style="list-style-type: none"> Damage to irradiated fuel resulting in a release of radioactivity from the fuel as indicated by ANY Table R2 Radiation Monitor Alarm. <p style="text-align: center;">OR</p> <ol style="list-style-type: none"> Lowering of spent fuel pool level to 340 feet as indicated on 2SFC-LI413A or B. <p style="margin-top: 20px;">RA3 1 2 3 4 5 D</p> <p>Radiation levels that impede access to equipment necessary for normal plant operations, cooldown or shutdown.</p> <p>Emergency Action Level (EAL):</p> <p>Note: If the equipment in the listed Table R4 room or area was already inoperable, or out of service, before the event occurred, then no emergency classification is warranted</p> <ol style="list-style-type: none"> Dose rate > 15 mR/hr in ANY of the areas in Table R3. <p style="text-align: center;">OR</p> <ol style="list-style-type: none"> UNPLANNED event results in radiation levels that prohibit or significantly impede access to ANY of the areas in Table R4. 	<p>RU2 1 2 3 4 5 D</p> <p>UNPLANNED loss of water level above irradiated fuel.</p> <p>Emergency Action Level (EAL):</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> UNPLANNED water level drop in the REFUELING PATHWAY as indicated by ANY of the following: <ul style="list-style-type: none"> Inability to restore and maintain Spent Fuel Pool water level > low water level alarm. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> Indication or report of a drop in water level in the REFUELING PATHWAY. <p style="text-align: center;">AND</p> <ol style="list-style-type: none"> UNPLANNED Area Radiation Monitor reading rise on ANY Table R2 radiation monitor.
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Modes: 1 – Power Operation 2 – Startup 3 – Hot Shutdown 4 – Cold Shutdown 5 – Refueling D – Defueled

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT	
Cold Shutdown / Refueling System Malfunctions							
Loss of AC Power				<p>CA1 4 5 D</p> <p>Loss of all offsite and onsite AC power to emergency buses for 15 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <ol style="list-style-type: none"> Loss of ALL offsite and onsite AC power to 4.16 kV emergency buses 2ENS*SWG101 and 2ENS*SWG103. <p>AND</p> <ol style="list-style-type: none"> Failure to restore power to at least one 4.16 kV emergency bus 2ENS*SWG101 or 2ENS*SWG103 in < 15 minutes from the time of loss of both offsite and onsite AC power. 	<p>CU1 4 5 D</p> <p>Loss of all but one AC power source to emergency buses for 15 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <ol style="list-style-type: none"> AC power capability to 4.16 kV emergency buses 2ENS*SWG101 and 2ENS*SWG103 reduced to only one of the following power sources for ≥ 15 minutes. <ul style="list-style-type: none"> Reserve Transformer A Reserve Transformer B Aux Boiler Transformer 2EGS*EG1 2EGS*EG3 2EGS*EG2 <p>AND</p> <ol style="list-style-type: none"> ANY additional single power source failure will result in a loss of ALL AC power to SAFETY SYSTEMS. 		
	Safety System				<p>CA2 4 5</p> <p>Hazardous event affecting SAFETY SYSTEM required for the current operating mode.</p> <p>Emergency Action Level (EAL):</p> <p>Note: If it is determined that the conditions of CA2 are not met then assess the event via HU3, HU4, or HU6</p> <ol style="list-style-type: none"> The occurrence of ANY of the following hazardous events: <ul style="list-style-type: none"> Seismic event (earthquake) Internal or external flooding event High winds or tornado strike FIRE EXPLOSION Other events with similar hazard characteristics as determined by the Shift Manager <p>AND</p> <ol style="list-style-type: none"> EITHER of the following: <ol style="list-style-type: none"> Event damage has caused indications of degraded performance in at least one train of a SAFETY SYSTEM required by Technical Specifications for the current operating mode. <p>OR</p> <ol style="list-style-type: none"> The event has caused VISIBLE DAMAGE to a SAFETY SYSTEM component or structure required by Technical Specifications for the current operating mode. 		

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

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT																																
Cold Shutdown / Refueling System Malfunctions																																						
DC Power							CU3 4 5 Loss of Vital DC power for 15 minutes or longer. Emergency Action Level (EAL): Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. Voltage is < 108 VDC on required Vital DC buses 2BYS*SWG002A and 2BYS*SWG002B for ≥ 15 minutes .																															
	Communications					<table border="1"> <thead> <tr> <th colspan="4">Table C1 Communication Capabilities</th> </tr> <tr> <th>System</th> <th>Onsite</th> <th>Offsite</th> <th>NRC</th> </tr> </thead> <tbody> <tr> <td>Gaitronics</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Hand Held Portable Radio (Station Radio)</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>PBX (Conventional Telephone lines)</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>Control Room installed satellite phone (non portable)</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>ENS</td> <td></td> <td>X</td> <td>X</td> </tr> <tr> <td>RECS</td> <td></td> <td>X</td> <td></td> </tr> </tbody> </table>	Table C1 Communication Capabilities				System	Onsite	Offsite	NRC	Gaitronics	X			Hand Held Portable Radio (Station Radio)	X			PBX (Conventional Telephone lines)	X	X	X	Control Room installed satellite phone (non portable)	X	X	X	ENS		X	X	RECS		X	
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Heat Sink							CU5 4 5 UNPLANNED rise in RCS temperature. Emergency Action Levels (EAL): Note: <ul style="list-style-type: none"> The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. A momentary UNPLANNED excursion above the Technical Specification cold shutdown temperature limit when heat removal function is available does not warrant classification. <ol style="list-style-type: none"> UNPLANNED rise in RCS temperature > 200 °F for > Table C2 duration. OR <ol style="list-style-type: none"> UNPLANNED RCS pressure rise > 10 psig as a result of temperature rise 																															
							<table border="1"> <thead> <tr> <th colspan="3">Table C2 RCS Heat-up Duration Thresholds</th> </tr> <tr> <th>RCS Status</th> <th>Containment Closure Status</th> <th>Heat-up Duration</th> </tr> </thead> <tbody> <tr> <td>Intact</td> <td>Not Applicable</td> <td>60 minutes*</td> </tr> <tr> <td rowspan="2">Not Intact</td> <td>Established</td> <td>20 minutes*</td> </tr> <tr> <td>Not Established</td> <td>0 minutes</td> </tr> </tbody> </table> <p>* If an RCS heat removal system is in operation within this time frame and RCS temperature is being reduced, then EAL #1 is not applicable.</p>	Table C2 RCS Heat-up Duration Thresholds			RCS Status	Containment Closure Status	Heat-up Duration	Intact	Not Applicable	60 minutes*	Not Intact	Established	20 minutes*	Not Established	0 minutes																	
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GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT					
Cold Shutdown / Refueling System Malfunctions											
RCS Leakage / Inventory	<p>CG6 4 5</p> <p>Loss of RPV inventory affecting fuel clad integrity with containment challenged.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>1 a. RPV water level < -14 inches for ≥ 30 minutes. AND b. Any Table C5 Containment Challenge Indication.</p> <p>OR</p> <p>2. a. RPV water level cannot be monitored for ≥ 30 minutes. AND b. Core uncover is indicated by ANY of the following:</p> <ul style="list-style-type: none"> • Table C4 indication of a sufficient magnitude to indicate core uncover. <p>OR</p> <ul style="list-style-type: none"> • ANY Table C3 Refuel floor Rad monitor ≥ 3 R/hr. <p>AND</p> <p>c. ANY Table C5 Containment Challenge Indication.</p>	<p>CS6 4 5</p> <p>Loss of RPV inventory affecting core decay heat removal capabilities.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>1. With CONTAINMENT CLOSURE not established, RPV water level < 17.8 inches. OR 2. With CONTAINMENT CLOSURE established, RPV water level < - 14 inches. OR 3. a. RPV water level cannot be monitored for ≥ 30 minutes. AND b. Core uncover is indicated by ANY of the following:</p> <ul style="list-style-type: none"> • Table C4 indication of a sufficient magnitude to indicate core uncover. <p>OR</p> <ul style="list-style-type: none"> • ANY Table C3 Refuel Floor Rad monitor ≥ 3 R/hr. 	<p>CA6 4 5</p> <p>Loss of RPV inventory.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>1. Loss of RPV inventory as indicated by level < 108.8 inches. OR 2. a. RPV water level cannot be monitored for ≥ 15 minutes. AND b. Loss of RPV inventory per Table C4 indications.</p>	<p>CU6 4 5</p> <p>UNPLANNED loss of RP inventory for 15 minutes or longer.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <p>1. UNPLANNED loss of reactor coolant results in the inability to restore and maintain RPV level to above the procedurally established lower limit for ≥ 15 minutes. OR 2. a. RPV water level cannot be monitored. AND b. Loss of RPV inventory per Table C4 indications.</p>							
	<table border="1" style="width: 100%;"> <tr> <th style="text-align: center;">Table C3 Refuel Floor ARMs</th> </tr> <tr> <td> <ul style="list-style-type: none"> • 2RMS-RE111 • 2RMS-RE112 • 2RMS-RE113 • 2RMS-RE114 </td> </tr> </table>	Table C3 Refuel Floor ARMs	<ul style="list-style-type: none"> • 2RMS-RE111 • 2RMS-RE112 • 2RMS-RE113 • 2RMS-RE114 	<table border="1" style="width: 100%;"> <tr> <th style="text-align: center;">Table C4 Indications of RCS Leakage</th> </tr> <tr> <td> <ul style="list-style-type: none"> • UNPLANNED Drywell equipment drain sump level rise* • UNPLANNED Drywell floor drain sump level rise* • UNPLANNED Reactor Building equipment sump level rise* • UNPLANNED Reactor Building floor drain sump level rise* • UNPLANNED Suppression Pool level rise* • UNPLANNED vessel make up rate rise* • Observation of leakage or inventory loss </td> </tr> <tr> <td style="text-align: center;">*Rise in level is attributed to a loss of RPV inventory</td> </tr> </table>	Table C4 Indications of RCS Leakage	<ul style="list-style-type: none"> • UNPLANNED Drywell equipment drain sump level rise* • UNPLANNED Drywell floor drain sump level rise* • UNPLANNED Reactor Building equipment sump level rise* • UNPLANNED Reactor Building floor drain sump level rise* • UNPLANNED Suppression Pool level rise* • UNPLANNED vessel make up rate rise* • Observation of leakage or inventory loss 	*Rise in level is attributed to a loss of RPV inventory	<table border="1" style="width: 100%;"> <tr> <th style="text-align: center;">Table C5 Containment Challenge Indications</th> </tr> <tr> <td> <ul style="list-style-type: none"> • Primary Containment Hydrogen Concentration ≥ 6% and Oxygen ≥ 5% • UNPLANNED rise in containment pressure • CONTAINMENT CLOSURE not established* • RB area radiation > 8.00 E+03 mR/hr </td> </tr> <tr> <td> <p>* if CONTAINMENT CLOSURE is re-established prior to exceeding the 30-minute core uncover time limit, then escalation to a General Emergency is not required.</p> </td> </tr> </table>	Table C5 Containment Challenge Indications	<ul style="list-style-type: none"> • Primary Containment Hydrogen Concentration ≥ 6% and Oxygen ≥ 5% • UNPLANNED rise in containment pressure • CONTAINMENT CLOSURE not established* • RB area radiation > 8.00 E+03 mR/hr 	<p>* if CONTAINMENT CLOSURE is re-established prior to exceeding the 30-minute core uncover time limit, then escalation to a General Emergency is not required.</p>
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Modes: 1 – Power Operation 2 – Startup 3 – Hot Shutdown 4 – Cold Shutdown 5 – Refueling D – Defueled

GENERAL EMERGENCY		SITE AREA EMERGENCY		ALERT		UNUSUAL EVENT	
Hazards and Other conditions Affecting Plant Safety							
Hostile Action		<p>HS1 1 2 3 4 5 D</p> <p>HOSTILE ACTION within the PROTECTED AREA.</p> <p>Emergency Action Level (EAL):</p> <p>A notification from the Security Force that a HOSTILE ACTION is occurring or has occurred within the PROTECTED AREA.</p>	<p>HA1 1 2 3 4 5 D</p> <p>HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne attack threat within 30 minutes.</p> <p>Emergency Action Level (EAL):</p> <ol style="list-style-type: none"> 1. A validated notification from NRC of an aircraft attack threat < 30 minutes from the site. <p>OR</p> <ol style="list-style-type: none"> 2. Notification by the Security Force that a HOSTILE ACTION is occurring or has occurred within the OWNER CONTROLLED AREA. 	<p>HU1 1 2 3 4 5 D</p> <p>Confirmed SECURITY CONDITION or threat.</p> <p>Emergency Action Level (EAL):</p> <ol style="list-style-type: none"> 1. Notification of a credible security threat directed at the site as determined per SY-AA-101-132, Security Assessment and Response to Unusual Activities. <p>OR</p> <ol style="list-style-type: none"> 2. A validated notification from the NRC providing information of an aircraft threat. <p>OR</p> <ol style="list-style-type: none"> 3. Notification by the Security Force of a SECURITY CONDITION that does not involve a HOSTILE ACTION. 			
	Transfer of Plant Control	<table border="1" style="width: 100%;"> <tr> <th style="text-align: center;">Table H1 Safety Functions</th> </tr> <tr> <td> <ul style="list-style-type: none"> • Reactivity Control (ability to shutdown the reactor and keep it shutdown) • RPV Water Level (ability to cool the core) • RCS Heat Removal (ability to maintain a heatsink) </td> </tr> </table>	Table H1 Safety Functions	<ul style="list-style-type: none"> • Reactivity Control (ability to shutdown the reactor and keep it shutdown) • RPV Water Level (ability to cool the core) • RCS Heat Removal (ability to maintain a heatsink) 	<p>HS2 1 2 3 4 5 D</p> <p>Inability to control a key safety function from outside the Control Room.</p> <p>Emergency Action Level (EAL):</p> <p>Note: The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded.</p> <ol style="list-style-type: none"> 1. A Control Room evacuation has resulted in plant control being transferred from the Control Room to alternate locations per N2-SOP-78, Control Room Evacuation. <p>AND</p> <ol style="list-style-type: none"> 2. Control of ANY Table H1 key safety function is not reestablished in < 15 minutes. 	<p>HA2 1 2 3 4 5 D</p> <p>Control Room evacuation resulting in transfer of plant control to alternate locations.</p> <p>Emergency Action Level (EAL):</p> <p>A Control Room evacuation has resulted in plant control being transferred from the Control Room to alternate locations per N2-SOP-78, Control Room Evacuation.</p>	
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<ul style="list-style-type: none"> • Reactivity Control (ability to shutdown the reactor and keep it shutdown) • RPV Water Level (ability to cool the core) • RCS Heat Removal (ability to maintain a heatsink) 							

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

GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT
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Hazards and Other conditions Affecting Plant Safety

Fire				<p>HU3 1 2 3 4 5 D</p> <p>FIRE potentially degrading the level of safety of the plant.</p> <p>Emergency Action Level (EAL):</p> <p>Note:</p> <ul style="list-style-type: none"> • The Emergency Director should declare the event promptly upon determining that the applicable time has been exceeded, or will likely be exceeded. • Escalation of the emergency classification level would be via IC CA2 or MA5 <ol style="list-style-type: none"> 1. A FIRE in ANY Table H2 area is not extinguished in < 15 minutes of ANY of the following FIRE detection indications: <ul style="list-style-type: none"> • Report from the field (i.e., visual observation) • Receipt of multiple (more than 1) fire alarms or indications • Field verification of a single fire alarm <p>OR</p> 2. a. Receipt of a single fire alarm in ANY Table H2 area (i.e., no other indications of a FIRE). <p>AND</p> b. The existence of a FIRE is not verified in < 30 minutes of alarm receipt. <p>OR</p> 3. A FIRE within the plant PROTECTED AREA not extinguished in < 60 minutes of the initial report, alarm or indication. <p>OR</p> 4. A FIRE within the plant PROTECTED AREA that requires firefighting support by an offsite fire response agency to extinguish.
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Table H2 Areas
<ul style="list-style-type: none"> • Reactor Building (when inerted the Drywell is exempt) • Control Room • Relay Room • Diesel Generator Engine and Board Rooms • Standby Switchgear and Battery Rooms • HPCS Switchgear and Battery Rooms • Remote Shutdown Rooms • Control Building HVAC Rooms • Electrical Protection Assembly Room • Service Water Pump Rooms

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

GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT
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Hazards and Other conditions Affecting Plant Safety

Earthquake				
				<p>HU4 1 2 3 4 5 D</p> <p>Seismic event greater than OBE levels.</p> <p>Emergency Action Level (EAL):</p> <p>Note:</p> <ul style="list-style-type: none"> For emergency classification if EAL # 2.b is not able to be confirmed, then the occurrence of a seismic event is confirmed in manner deemed appropriate by the Emergency Director in ≤ 15 minutes of the event Escalation of the emergency classification level would be via IC CA2 or MA5. <p>1. Seismic event > Operating Basis Earthquake (OBE) as indicated by:</p> <ul style="list-style-type: none"> Computer Point ERSNC02, OBE Detected <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> ANY amber LED light lit at the Seismic Monitor Panel, Response Spectrum Annunciator. <p style="text-align: center;">OR</p> <p>2. When Seismic Monitoring Equipment is not available:</p> <p>a. Control Room personnel feel an actual or potential seismic event.</p> <p style="text-align: center;">AND</p> <p>b. ANY one of the following confirmed in ≤ 15 minutes of the event:</p> <ul style="list-style-type: none"> The earthquake resulted in Modified Mercalli Intensity (MMI) > VI and occurred < 3.5 miles of the plant. The earthquake was magnitude > 6.0 The earthquake was magnitude > 5.0 and occurred < 125 miles of the plant.

Modes: 1 – Power Operation 2 – Startup 3 – Hot Shutdown 4 – Cold Shutdown 5 – Refueling D - Defueled

GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT
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Hazards and Other conditions Affecting Plant Safety

Toxic Gas		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align:center;">Table H3 Areas with Entry Related Mode Applicability</th> </tr> <tr> <th style="width:70%;">Area</th> <th style="width:30%;">Entry Related Mode Applicability</th> </tr> </thead> <tbody> <tr> <td style="text-align:center;">Reactor Building</td> <td rowspan="3" style="text-align:center; vertical-align:middle;">Mode 3, 4, and 5</td> </tr> <tr> <td>175' RHS A Pump Room (RHR A) 196' Az 56 Deg (RHR A) 175' RHS B Pump Room (RHR A & B)</td> </tr> <tr> <td style="text-align:center;">Control Building</td> </tr> <tr> <td>261' Div 1 Switchgear Room (RHR A & B) 261' Div 2 Switchgear Room (RHR A & B)</td> <td></td> </tr> </tbody> </table>	Table H3 Areas with Entry Related Mode Applicability		Area	Entry Related Mode Applicability	Reactor Building	Mode 3, 4, and 5	175' RHS A Pump Room (RHR A) 196' Az 56 Deg (RHR A) 175' RHS B Pump Room (RHR A & B)	Control Building	261' Div 1 Switchgear Room (RHR A & B) 261' Div 2 Switchgear Room (RHR A & B)		<p>HA5 3 4 5</p> <p>Gaseous release impeding access to equipment necessary for normal plant operations, cooldown or shutdown.</p> <p>Emergency Action Level (EAL):</p> <p>Note: If the equipment in the listed room or area was already inoperable, or out of service, before the event occurred, then no emergency classification is warranted.</p> <ol style="list-style-type: none"> Release of a toxic, corrosive, asphyxiant or flammable gas in ANY Table H3 area. <p>AND</p> <ol style="list-style-type: none"> Entry into the room or area is prohibited or impeded 	
Table H3 Areas with Entry Related Mode Applicability														
Area	Entry Related Mode Applicability													
Reactor Building	Mode 3, 4, and 5													
175' RHS A Pump Room (RHR A) 196' Az 56 Deg (RHR A) 175' RHS B Pump Room (RHR A & B)														
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Hazardous Event			<p>HU6 1 2 3 4 5 D</p> <p>Hazardous Event</p> <p>Emergency Action Level (EAL):</p> <p>Note:</p> <ul style="list-style-type: none"> EAL #4 does not apply to routine traffic impediments such as fog, snow, ice, or vehicle breakdowns or accidents. Escalation of the emergency classification level would be via IC CA2 or MA5 <ol style="list-style-type: none"> Tornado strike within the PROTECTED AREA. OR Internal room or area flooding of a magnitude sufficient to require manual or automatic electrical isolation of a SAFETY SYSTEM component required by Technical Specifications for the current operating mode. OR Movement of personnel within the PROTECTED AREA is impeded due to an offsite event involving hazardous materials (e.g., an offsite chemical spill or toxic gas release). OR A hazardous event that results in on-site conditions sufficient to prohibit the plant staff from accessing the site via personal vehicles. OR Intake Water Level < 237 feet. 											

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

GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT
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Hazards and Other conditions Affecting Plant Safety

Emergency Director Judgment	<p>HG7 1 2 3 4 5 D</p> <p>Other conditions exist which in the judgment of the Emergency Director warrant declaration of a GENERAL EMERGENCY.</p> <p>Emergency Action Level (EAL):</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve actual or IMMINENT substantial core degradation or melting with potential for loss of containment integrity or HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area.</p>	<p>HS7 1 2 3 4 5 D</p> <p>Other conditions exist which in the judgment of the Emergency Director warrant declaration of a SITE AREA EMERGENCY.</p> <p>Emergency Action Level (EAL):</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve actual or likely major failures of plant functions needed for protection of the public or HOSTILE ACTION that results in intentional damage or malicious acts, (1) toward site personnel or equipment that could lead to the likely failure of or, (2) that prevent effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the site boundary.</p>	<p>HA7 1 2 3 4 5 D</p> <p>Other conditions exist which in the judgment of the Emergency Director warrant declaration of an ALERT.</p> <p>Emergency Action Level (EAL):</p> <p>Other conditions exist which, in the judgment of the Emergency Director, indicate that events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.</p>	<p>HU7 1 2 3 4 5 D</p> <p>Other conditions exist which in the judgment of the Emergency Director warrant declaration of an UNUSUAL EVENT.</p> <p>Emergency Action Level (EAL):</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant or indicate a security threat to facility protection has been initiated. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.</p>
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Modes: 1 – Power Operation 2 – Startup 3 – Hot Shutdown 4 – Cold Shutdown 5 – Refueling D – Defueled

GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT
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ISFSI Malfunction

ISFSI			<p>E-HU1 1 2 3 4 5 D</p> <p>Damage to a loaded cask CONFINEMENT BOUNDARY.</p> <p><u>Emergency Action Level (EAL):</u></p> <p>Damage to a loaded cask CONFINEMENT BOUNDARY as indicated by an on-contact radiation reading:</p> <p>For 61BT DSC:</p> <ul style="list-style-type: none"> • > 800 mrem/hr 3 feet from the HSM surface <li style="padding-left: 20px;">OR • > 200 mrem/hr outside the HSM door on centerline of DSC <li style="padding-left: 20px;">OR • > 40 mrem/hr end of shield wall exterior <p>For 61BTH DSC:</p> <ul style="list-style-type: none"> • > 1400 mrem/hr on the HSM or HSM-H front surface <li style="padding-left: 20px;">OR • > 200 mrem/hr on the HSM or HSM-H door centerline <li style="padding-left: 20px;">OR • > 40 mrem/hr on the end shield wall exterior
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Modes: 1 – Power Operation 2 – Startup 3 – Hot Shutdown 4 – Cold Shutdown 5 – Refueling D - Defueled