

	GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT																																													
R Abnorm. Rad Levels / Rad Effluent	<p>RG1 Release of gaseous radioactivity resulting in offsite dose greater than 100 mrem TEDE or 5000 mrem thyroid CDE</p> <p>1 2 3 4 5 DEF</p> <p>RG1.1 In the absence of real-time dose assessment, reading on any Table R-1 effluent radiation monitor &gt; column "GE" for ≥ 15 min. (Notes 1, 2, 3, 4)</p> <p>RG1.2 Dose assessment using actual meteorology indicates doses &gt; 1000 mrem TEDE or 5000 mrem thyroid CDE at or beyond the SITE BOUNDARY (Notes 3, 4)</p> <p>RG1.3 Field survey results indicate EITHER of the following at or beyond the SITE BOUNDARY: - Closed window dose rates &gt; 1000 mR/hr expected to continue for ≥ 60 min. - Analyses of field survey samples indicate thyroid CDE &gt; 500 mrem for 60 min. of inhalation. (Notes 1, 2)</p>	<p>RS1 Release of gaseous radioactivity resulting in offsite dose greater than 100 mrem TEDE or 5000 mrem thyroid CDE</p> <p>1 2 3 4 5 DEF</p> <p>RS1.1 In the absence of real-time dose assessment, reading on any Table R-1 effluent radiation monitor &gt; column "SAE" for ≥ 15 min. (Notes 1, 2, 3, 4)</p> <p>RS1.2 Dose assessment using actual meteorology indicates doses &gt; 1000 mrem TEDE or 5000 mrem thyroid CDE at or beyond the SITE BOUNDARY (Notes 3, 4)</p> <p>RS1.3 Field survey results indicate EITHER of the following at or beyond the SITE BOUNDARY: - Closed window dose rates &gt; 100 mR/hr expected to continue for ≥ 60 min. - Analyses of field survey samples indicate thyroid CDE &gt; 500 mrem for 60 min. of inhalation. (Notes 1, 2)</p>	<p>RA1 Release of gaseous or liquid radioactivity resulting in offsite dose greater than 10 mrem TEDE or 50 mrem thyroid CDE</p> <p>1 2 3 4 5 DEF</p> <p>RA1.1 In the absence of real-time dose assessment, reading on any Table R-1 effluent radiation monitor &gt; column "ALERT" for ≥ 15 min. (Notes 1, 2, 3, 4)</p> <p>RA1.2 Dose assessment using actual meteorology indicates doses &gt; 10 mrem TEDE or 50 mrem thyroid CDE at or beyond the SITE BOUNDARY (Notes 3, 4)</p> <p>RA1.3 Analysis of a liquid effluent sample indicates a concentration or release rate that would result in doses &gt; 10 mrem TEDE or 50 mrem thyroid CDE at or beyond the SITE BOUNDARY for 60 min. of exposure (Notes 1, 2)</p> <p>RA1.4 Field survey results indicate EITHER of the following at or beyond the SITE BOUNDARY: - Closed window dose rates &gt; 10 mR/hr expected to continue for ≥ 60 min. - Analyses of field survey samples indicate thyroid CDE &gt; 50 mrem for 60 min. of inhalation. (Notes 1, 2)</p>	<p>RU1 Release of gaseous or liquid radioactivity greater than 2 times the ODCM limits for 60 minutes or longer</p> <p>1 2 3 4 5 DEF</p> <p>RU1.1 Reading on any Table R-1 effluent radiation monitor &gt; column "UE" for ≥ 60 min. (Notes 1, 2, 3)</p> <p>RU1.2 Sample analysis for a gaseous or liquid release indicates a concentration or release rate &gt; 2 x ODCM limits for ≥ 60 min. (Notes 1, 2)</p> <p>RU1.3 Analysis of a liquid effluent sample indicates a concentration or release rate that would result in doses &gt; 10 mrem TEDE or 50 mrem thyroid CDE at or beyond the SITE BOUNDARY for 60 min. of exposure (Notes 1, 2)</p>																																													
	<p>RG2 Spent fuel pool level cannot be restored to at least the top of the fuel element</p> <p>1 2 3 4 5 DEF</p> <p>RG2.1 Spent fuel pool level cannot be restored ≥ 95 ft. 3 in. ele. for &gt; 60 min. (Note 1)</p>	<p>RS2 Spent fuel pool level at the top of the fuel rods</p> <p>1 2 3 4 5 DEF</p> <p>RS2.1 Lowering of spent fuel pool level to ≤ 95 ft. 3 in. ele.</p>	<p>RA2 Significant lowering of water level above irradiated fuel</p> <p>1 2 3 4 5 DEF</p> <p>RA2.1 Uncovery of irradiated fuel in the REFUELING PATHWAY</p> <p>RA2.2 Damage to irradiated fuel resulting in a release of radioactivity AND Any of the following radiation monitor indications: - Reactor Bldg Vent Rad Monitor Channel A or B (&gt; 3 mR/hr) - ARM Channel 26 New Fuel Vault (&gt; 6 mR/hr) - ARM Channel 27 North of Fuel Pool (&gt; 10 mR/hr) - ARM Channel 28 Between Reactor and Fuel Pool (&gt; 1000 mR/hr) - ARM Channel 29 Cask Wash Area (&gt; 40 mR/hr)</p> <p>RA2.3 Lowering of spent fuel pool level to ≤ 105 ft. 3 in. ele.</p>	<p>RU2 UNPLANNED loss of water level above irradiated fuel</p> <p>1 2 3 4 5 DEF</p> <p>RU2.1 UNPLANNED water level drop in the REFUELING PATHWAY as indicated by low water level alarm (A-04 6-5) or indication AND UNPLANNED rise in area radiation levels as indicated by any of the following radiation monitors: - ARM Channel 26 New Fuel Vault - ARM Channel 27 North of Fuel Pool - ARM Channel 28 Between Reactor and Fuel Pool - ARM Channel 29 Cask Wash Area</p>																																													
	<p>Table R-1 Effluent Monitor Classification Thresholds</p> <table border="1"> <thead> <tr> <th>Release Point</th> <th>Monitor</th> <th>GE</th> <th>SAE</th> <th>Alert</th> <th>UE</th> </tr> </thead> <tbody> <tr> <td>Main Stack Rad</td> <td>D12-RM-23S</td> <td>2.13E+09 µCi/sec</td> <td>2.13E+08 µCi/sec</td> <td>2.13E+07 µCi/sec</td> <td>1.80E+06 µCi/sec</td> </tr> <tr> <td>Reactor Bldg Vent Noble Gas</td> <td>CAC-AQH-1254-3</td> <td>---</td> <td>---</td> <td>---</td> <td>6.14E+04 cpm</td> </tr> <tr> <td>Turbine Building Vent Rad</td> <td>D12-RM-23</td> <td>1.07E+08 µCi/sec</td> <td>1.07E+07 µCi/sec</td> <td>1.07E+06 µCi/sec</td> <td>1.13E+04 µCi/sec</td> </tr> <tr> <td>Service Water Effluent Radioactivity</td> <td>D12-RM-K605</td> <td>---</td> <td>---</td> <td>---</td> <td>2 X hi alarm</td> </tr> <tr> <td>Radwaste Effluent Rad</td> <td>D12-RM-K604</td> <td>---</td> <td>---</td> <td>---</td> <td>2 X hi-hi alarm</td> </tr> </tbody> </table>	Release Point	Monitor	GE	SAE	Alert	UE	Main Stack Rad	D12-RM-23S	2.13E+09 µCi/sec	2.13E+08 µCi/sec	2.13E+07 µCi/sec	1.80E+06 µCi/sec	Reactor Bldg Vent Noble Gas	CAC-AQH-1254-3	---	---	---	6.14E+04 cpm	Turbine Building Vent Rad	D12-RM-23	1.07E+08 µCi/sec	1.07E+07 µCi/sec	1.07E+06 µCi/sec	1.13E+04 µCi/sec	Service Water Effluent Radioactivity	D12-RM-K605	---	---	---	2 X hi alarm	Radwaste Effluent Rad	D12-RM-K604	---	---	---	2 X hi-hi alarm	<p>Table R-2 Safe Shutdown Rooms/Areas</p> <table border="1"> <thead> <tr> <th>Room / Area</th> <th>Mode(s)</th> </tr> </thead> <tbody> <tr> <td>- Reactor Building -17 North RHR Unit 1 &amp; 2</td> <td>3, 4, 5</td> </tr> <tr> <td>- Reactor Building -17 South RHR Unit 1 &amp; 2</td> <td>3, 4, 5</td> </tr> <tr> <td>- Reactor Building 20' East &amp; West MCC Areas Unit 1 &amp; 2</td> <td>3, 4, 5</td> </tr> <tr> <td>- Reactor Building 20' Pipe Tunnel Unit 1 &amp; 2</td> <td>3, 4, 5</td> </tr> </tbody> </table>	Room / Area	Mode(s)	- Reactor Building -17 North RHR Unit 1 & 2	3, 4, 5	- Reactor Building -17 South RHR Unit 1 & 2	3, 4, 5	- Reactor Building 20' East & West MCC Areas Unit 1 & 2	3, 4, 5	- Reactor Building 20' Pipe Tunnel Unit 1 & 2	3, 4, 5	<p>RA3 Radiation levels that IMPEDE access to equipment necessary for normal plant operations, cooldown or shutdown</p> <p>1 2 3 4 5 DEF</p> <p>RA3.1 Dose rates &gt; 15 mR/hr in EITHER of the following areas: Control Room (ARM Channel 1-1) OR Central Alarm Station (by survey)</p> <p>RA3.2 An UNPLANNED event results in radiation levels that prohibit or IMPEDE access to any Table R-2 rooms or areas (Note 5)</p>
Release Point	Monitor	GE	SAE	Alert	UE																																												
Main Stack Rad	D12-RM-23S	2.13E+09 µCi/sec	2.13E+08 µCi/sec	2.13E+07 µCi/sec	1.80E+06 µCi/sec																																												
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Service Water Effluent Radioactivity	D12-RM-K605	---	---	---	2 X hi alarm																																												
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H Hazards	<p>HG1 Hostile Action resulting in loss of physical control of the facility</p> <p>1 2 3 4 5 DEF</p> <p>HG1.1 A HOSTILE ACTION is occurring or has occurred within the PROTECTED AREA as reported by the Security Shift Supervisor AND EITHER of the following has occurred: - Any of the following safety functions cannot be controlled or maintained - Reactivity - RPV water level - RCS heat removal OR - Damage to spent fuel has occurred or is IMMINENT</p>	<p>HS1 Hostile Action within the Protected Area</p> <p>1 2 3 4 5 DEF</p> <p>HS1.1 A HOSTILE ACTION is occurring or has occurred within the PROTECTED AREA as reported by the Security Shift Supervisor</p>	<p>HA1 Hostile action within the owner controlled area or airborne attack threat within 30 minutes</p> <p>1 2 3 4 5 DEF</p> <p>HA1.1 A HOSTILE ACTION is occurring or has occurred within the OWNER CONTROLLED AREA as reported by the Security Shift Supervisor</p> <p>HA1.2 A validated notification from NRC of an aircraft attack threat within 30 min. of the site</p>	<p>HU1 Confirmed SECURITY CONDITION or threat</p> <p>1 2 3 4 5 DEF</p> <p>HU1.1 A SECURITY CONDITION that does not involve a HOSTILE ACTION as reported by the Security Shift Supervisor</p> <p>HU1.2 Notification of a credible security threat directed at the site within 30 min.</p> <p>HU1.3 A validated notification from the NRC providing information of an aircraft threat</p>																																													
	<p>HG2 Other conditions exist which in the judgment of the Site Emergency Coordinator warrant declaration of a General Emergency</p> <p>1 2 3 4 5 DEF</p>	<p>HS2 Other conditions exist which in the judgment of the Site Emergency Coordinator warrant declaration of a Site Area Emergency</p> <p>1 2 3 4 5 DEF</p>	<p>HA2 Other conditions exist which in the judgment of the Site Emergency Coordinator warrant declaration of an Alert</p> <p>1 2 3 4 5 DEF</p>	<p>HU2 Seismic event greater than OBE levels</p> <p>1 2 3 4 5 DEF</p> <p>HU2.1 Seismic event &gt; OBE per OAP-13.0</p>																																													
	<p>HG3 Other conditions exist which in the judgment of the Site Emergency Coordinator 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>1 2 3 4 5 DEF</p>	<p>HS3 Other conditions exist which in the judgment of the Site Emergency Coordinator 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>1 2 3 4 5 DEF</p>	<p>HA3 Other conditions exist which in the judgment of the Site Emergency Coordinator, 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 HOSTILE ACTION 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>1 2 3 4 5 DEF</p>	<p>HU3 Natural or Technological Hazard</p> <p>1 2 3 4 5 DEF</p> <p>HU3.1 A tornado strike within the PROTECTED AREA</p> <p>HU3.2 Internal room or area FLOODING of a magnitude sufficient to require manual or automatic electrical isolation of a SAFETY SYSTEM component needed for the current operating mode</p> <p>HU3.3 Movement of personnel within the PROTECTED AREA is IMPEDED due to an event external to the PROTECTED AREA involving hazardous materials (e.g., an offsite chemical spill or toxic gas release)</p> <p>HU3.4 A hazardous event that results in onsite conditions sufficient to prohibit the plant staff from accessing the site via personal vehicles (Note 7)</p> <p>HU3.5 Intake Canal water level &gt; +19 ft. Mean Sea Level OR Intake Canal water level &lt; -7.75 ft. Mean Sea Level</p> <p>HU4 Hazardous event degrading the level of safety of the plant</p> <p>1 2 3 4 5 DEF</p> <p>HU4.1 A FIRE is not extinguished within 15 min. of any of the following FIRE detection indications (Note 1): - 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 AND The FIRE is located within any Table H-1 area</p> <p>HU4.2 Receipt of a single fire alarm (i.e., no other indications of a FIRE) AND The fire alarm is indicating a FIRE within any Table H-1 area AND The existence of a FIRE is not verified within 30 min. of alarm receipt (Note 1)</p> <p>HU4.3 A FIRE within the plant PROTECTED AREA not extinguished within 60 min. of the initial report, alarm or indication (Note 1)</p> <p>HU4.4 A FIRE within the plant PROTECTED AREA that requires firefighting support by an offsite fire response agency to extinguish</p>																																													
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	<p>HG5 Other conditions exist which in the judgment of the Site Emergency Coordinator 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>1 2 3 4 5 DEF</p>	<p>HS5 Other conditions exist which in the judgment of the Site Emergency Coordinator 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>1 2 3 4 5 DEF</p>	<p>HA5 Gaseous release impeding access to equipment necessary for normal plant operations, cooldown or shutdown</p> <p>1 2 3 4 5 DEF</p> <p>HA5.1 Release of a toxic, corrosive, asphyxiant or flammable gas into any Table H-2 rooms or areas AND Entry into the room or area is prohibited or IMPEDED (Note 5)</p>	<p>HU5 Seismic event &gt; OBE per OAP-13.0</p> <p>1 2 3 4 5 DEF</p>																																													
	<p>HG6 Other conditions exist which in the judgment of the Site Emergency Coordinator 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>1 2 3 4 5 DEF</p>	<p>HS6 Other conditions exist which in the judgment of the Site Emergency Coordinator 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>1 2 3 4 5 DEF</p>	<p>HA6 Control Room evacuation resulting in transfer of plant control to alternate locations</p> <p>1 2 3 4 5 DEF</p> <p>HA6.1 An event has resulted in plant control being transferred from the Control Room to the Remote Shutdown Panels</p>	<p>HU6 Seismic event &gt; OBE per OAP-13.0</p> <p>1 2 3 4 5 DEF</p>																																													

	GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT
S System Malfunction	<p>SG1 Prolonged loss of all offsite and all onsite AC power to emergency buses OR loss of all emergency AC and vital DC power sources for 15 minutes or longer</p> <p>1 2 3</p> <p>SG1.1 Loss of all offsite and all onsite AC power capability to Emergency 4 KV Buses E1(E3) and E2(E4) AND EITHER: - Restoration of at least one emergency bus in &lt; 4 hours is not likely (Note 1) - RPV water level cannot be restored and maintained &gt; MSCRWL (LL-4)</p> <p>SG1.2 Loss of all offsite and all onsite AC power capability to Emergency 4 KV Buses E1(E3) and E2(E4) for ≥ 15 min. AND Loss of all 125 VDC power based on battery bus voltage indications &lt; 105 VDC on all vital DC buses 1(2A)-1, A-2, B-1 and B-2 for ≥ 15 min. (Note 1)</p>	<p>SS1 Loss of all offsite and all onsite AC power to emergency buses for 15 minutes or longer</p> <p>1 2 3</p> <p>SS1.1 Loss of all offsite and all onsite AC power capability to Emergency 4 KV Buses E1(E3) and E2(E4) for ≥ 15 min. (Note 1)</p> <p>SS2 Loss of all vital DC power for 15 minutes or longer</p> <p>1 2 3</p> <p>SS2.1 Loss of all 125 VDC power based on battery bus voltage indications &lt; 105 VDC on all vital DC buses 1(2A)-1, A-2, B-1 and B-2 for ≥ 15 min. (Note 1)</p>	<p>SA1 Loss of all but one AC power source to emergency buses for 15 minutes or longer</p> <p>1 2 3</p> <p>SA1.1 AC power capability to Emergency 4 KV Buses E1(E3) and E2(E4) reduced to a single power source for ≥ 15 min. (Note 1) AND Any additional single power source failure will result in loss of all unit-specific AC power to SAFETY SYSTEMS</p>	<p>SU1 Loss of all offsite AC power capability to emergency buses for 15 minutes or longer</p> <p>1 2 3</p> <p>SU1.1 Loss of all offsite AC power capability to Emergency 4 KV Buses E1(E3) and E2(E4) for ≥ 15 min. (Note 1)</p>
	<p>None</p>	<p>None</p>	<p>None</p>	<p>None</p>
	<p>None</p>	<p>None</p>	<p>None</p>	<p>None</p>
F Fission Product Barriers	<p>FG1 Loss of any two barriers AND Loss or potential loss of third barrier (Table F-1)</p> <p>1 2 3</p>	<p>FS1 Loss or potential loss of any two barriers (Table F-1)</p> <p>1 2 3</p>	<p>FA1 Any loss or any potential loss of either Fuel Clad or RCS (Table F-1)</p> <p>1 2 3</p>	<p>None</p>
	<p>None</p>	<p>None</p>	<p>None</p>	<p>None</p>
	<p>None</p>	<p>None</p>	<p>None</p>	<p>None</p>

	Fuel Clad Barrier		Reactor Coolant System Barrier		Containment Barrier	
	Loss	Potential Loss	Loss	Potential Loss	Loss	Potential Loss
A. RPV Water Level	1. Entry to SAMG-01 required	1. RPV level cannot be maintained > TAF or cannot be determined	1. RPV level cannot be restored and maintained > TAF or cannot be determined	None	None	1. Entry to SAMG-01 required
B. RCS Leak Rate	None	None	1. UNISOLABLE break in any of the following: - Main steam line - HPCI steam line - RDC steam line - RWCU - Feedwater 2. Emergency Depressurization is required	1. UNISOLABLE primary system leakage that results in exceeding EITHER of the following: - One or more Secondary Containment area radiation Maximum Normal Operating Limits (OEOP-03-SCCP Table 3) - One or more Secondary Containment area temperature Maximum Normal Operating Limits (OEOP-03-SCCP Table 1)	1. UNISOLABLE primary system leakage that results in exceeding EITHER of the following: - One or more Secondary Containment area radiation Maximum Normal Operating Limits (OEOP-03-SCCP Table 3) - One or more Secondary Containment area temperature Maximum Normal Operating Limits (OEOP-03-SCCP Table 1)	None
C. PC Conditions	None	None	1. Primary Containment pressure > 1.7 psig due to RCS leakage	None	1. UNPLANNED rapid drop in Primary Containment pressure following Primary Containment pressure rise 2. Primary Containment pressure response not consistent with LOCA conditions	1. Primary Containment pressure > 62 psig 2. Deflagration concentrations exist inside PC (H2 ≥ 6% AND O2 ≥ 5%) 3. Heat Capacity Temperature Limit (HCTL) exceeded
D. PC Rad / RCS Activity	1. Drywell radiation > 2,000 R/hr 2. Primary coolant activity > 300 µCi/gm I-131 dose equivalent	None	1. Drywell radiation > 27 R/hr with reactor shutdown	None	None	1. Drywell radiation > 20,000 R/hr
E. PC Integrity or Bypass	None	None	None	None	1. UNPLANNED direct downstream pathway to the environment exists after Primary Containment isolation signal 2. Intentional Primary Containment venting per EOPs	None
F. SEC Judgment	1. Any condition in the opinion of the Site Emergency Coordinator that indicates loss of the Fuel Clad barrier	1. Any condition in the opinion of the Site Emergency Coordinator that indicates potential loss of the Fuel Clad barrier	1. Any condition in the opinion of the Site Emergency Coordinator that indicates loss of the RCS barrier	1. Any condition in the opinion of the Site Emergency Coordinator that indicates potential loss of the RCS barrier	1. Any condition in the opinion of the Site Emergency Coordinator that indicates loss of the Containment barrier	1. Any condition in the opinion of the Site Emergency Coordinator that indicates potential loss of the Containment barrier

Note 1: The SEC should declare the event promptly upon determining that time limit has been exceeded, or will likely be exceeded.  
Note 2: If an ongoing release is detected and the release start time is unknown, assume that the release duration is the specified time limit.  
Note 3: If the effluent flow past an effluent monitor is known to have stopped, indicating that the release path is isolated, the effluent monitor reading is no longer VALID for classification purposes.  
Note 4: The pre-calculated effluent monitor values presented in EALS RA1.1, RS1.1 and RG1.1 should be used for emergency classification assessments until the results from a dose assessment using actual meteorology are available.  
Note 5: 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.  
Note 6: If CONTAINMENT CLOSURE is re-established prior to exceeding the 30-minute time limit, declaration of a General Emergency is not required.  
Note 7: This EAL does not apply to routine traffic impediments such as fog, snow, ice, or vehicle breakdowns or accidents.  
Note 8: A manual scram action is an operator action, or set of actions, which causes the control rods to be rapidly inserted into the core, and does not include manually driving in control rods or implementation of boron injection strategies.