

Abnorm. Rad Levels / Rad Effluents	GENERAL EMERGENCY						SITE AREA EMERGENCY						ALERT						UNUSUAL EVENT																																								
	RG1.1	1	2	3	4	5	6	D	RS1.1	1	2	3	4	5	6	D	RA1.1	1	2	3	4	5	6	D	RU1.1	1	2	3	4	5	6	D																											
1 Offsite Rad Conditions	<p>ANY radiation monitor reading &gt; Table R-1 column "GE" for ≥ 15 min. (Note 1)</p> <ul style="list-style-type: none"> <li>Do not delay declaration awaiting dose assessment results</li> <li>If dose assessment results are available, declaration should be based on dose assessment instead of radiation monitor values (see EAL RG1.2)</li> </ul>						<p>ANY radiation monitor reading &gt; Table R-1 column "SAE" for ≥ 15 min. (Note 1)</p> <ul style="list-style-type: none"> <li>Do not delay declaration awaiting dose assessment results</li> <li>If dose assessment results are available, declaration should be based on dose assessment instead of radiation monitor values (see EAL RS1.2)</li> </ul>						<p>ANY gaseous monitor reading &gt; Table R-1 column "Alert" for ≥ 15 min. (Note 2)</p>						<p>ANY gaseous monitor reading &gt; Table R-1 column "UE" for ≥ 60 min. (Note 2)</p>																																								
	<p>RG1.2</p> <p>Dose assessment using actual meteorology indicates doses &gt; 1,000 mRem TEDE or 5,000 mRem thyroid CDE at or beyond the site boundary</p>						<p>RS1.2</p> <p>Dose assessment using actual meteorology indicates doses &gt; 100 mRem TEDE or 500 mRem thyroid CDE at or beyond the site boundary</p>						<p>RA1.2</p> <p>Liquid monitor reading &gt; Table R-1 column "Alert" for ≥ 15 min. (Note 2)</p>						<p>RU1.2</p> <p>Liquid monitor reading &gt; Table R-1 column "UE" for ≥ 60 min. (Note 2)</p>																																								
	<p>RG1.3</p> <p>Field survey results indicate closed window dose rates &gt; 1,000 mRem/hr expected to continue for ≥ 60 min. at or beyond the site boundary</p> <p>Analyses of field survey samples indicate thyroid CDE &gt; 5,000 mRem for 1 hr of inhalation at or beyond the site boundary (Note 1)</p>						<p>RS1.3</p> <p>Field survey results indicate closed window dose rates &gt; 100 mRem/hr expected to continue for ≥ 60 min. at or beyond the site boundary</p> <p>Analyses of field survey samples indicate thyroid CDE &gt; 500 mRem for 1 hr of inhalation at or beyond the site boundary (Note 1)</p>						<p>RA1.3</p> <p>Confirmed sample analyses for gaseous or liquid releases indicate concentrations or release rates &gt; 200 x CDDM limits for ≥ 15 min. (Note 2)</p>						<p>RU1.3</p> <p>Confirmed sample analyses for gaseous or liquid releases indicate concentrations or release rates &gt; 2 x CDDM limits for ≥ 60 min. (Note 2)</p>																																								
2 Onsite Rad Conditions & Spent Fuel Events	<p><b>Table R-1 Effluent Monitor Classification Thresholds</b></p> <table border="1"> <thead> <tr> <th>Monitor</th> <th>GE</th> <th>SAE</th> <th>ALERT</th> <th>UE</th> </tr> </thead> <tbody> <tr> <td>WRNGM (RI-5415)</td> <td>3.2E+09 µCi/sec</td> <td>3.2E+08 µCi/sec</td> <td>3.2E+07 µCi/sec</td> <td>3.2E+05 µCi/sec</td> </tr> <tr> <td>Main Steam Effluent (RI-6421, RI-6422)</td> <td>40.0 rem/hr</td> <td>4.0 rem/hr</td> <td>0.40 rem/hr</td> <td>N/A</td> </tr> <tr> <td>Main Vent (RI-6415)</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>2.0E+05 cpm</td> </tr> <tr> <td>Waste Processing (RI-6410)</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>4.0E+05 cpm</td> </tr> <tr> <td>Fuel Handling Area Vent (RI-6420)</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>3.4E+05 cpm</td> </tr> <tr> <td>Liquid Waste Disch* (RE-2201)</td> <td>N/A</td> <td>N/A</td> <td>off-scale hl</td> <td>8.4E+05 cpm</td> </tr> </tbody> </table> <p>*with effluent discharge not isolated</p>												Monitor	GE	SAE	ALERT	UE	WRNGM (RI-5415)	3.2E+09 µCi/sec	3.2E+08 µCi/sec	3.2E+07 µCi/sec	3.2E+05 µCi/sec	Main Steam Effluent (RI-6421, RI-6422)	40.0 rem/hr	4.0 rem/hr	0.40 rem/hr	N/A	Main Vent (RI-6415)	N/A	N/A	N/A	2.0E+05 cpm	Waste Processing (RI-6410)	N/A	N/A	N/A	4.0E+05 cpm	Fuel Handling Area Vent (RI-6420)	N/A	N/A	N/A	3.4E+05 cpm	Liquid Waste Disch* (RE-2201)	N/A	N/A	off-scale hl	8.4E+05 cpm	<p>RA2.1</p> <p>Alarm on ANY of the following radiation monitors due to damage to irradiated fuel or loss of water level:</p> <ul style="list-style-type: none"> <li>Fuel Handling Area Vent (RI-5420)</li> <li>SFP Area RM-320 EL-69 (RI-7024)</li> <li>Spent Fuel Handling Machine (RI-7025)</li> <li>Unit 1/2 CNTMT EL-69 (RI-6318A/B/C/D)</li> </ul>						<p>RU2.1</p> <p>UNPLANNED water level drop in a reactor refueling pathway as indicated by ANY of the following (Note 3):</p> <ul style="list-style-type: none"> <li>Inability to restore and maintain SFP level &gt; Technical Specification limit (65 ft 7 in)</li> <li>Inability to restore and maintain RFP level &gt; Technical Specification limit (56 ft 8.5 in)</li> <li>Report of visual observation of an uncontrolled drop in water level in the RFP or SFP</li> </ul> <p>AND</p> <p>Area radiation monitor reading rise on ANY of the following:</p> <ul style="list-style-type: none"> <li>SFP Area RM-320 EL-69 (RI-7024)</li> <li>Spent Fuel Handling Machine (RI-7025)</li> <li>Unit 1/2 CNTMT EL-69 (RI-6318A/B/C/D)</li> </ul>					
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<p>RA2.2</p> <p>A water level drop in a reactor refueling pathway that will result in irradiated fuel becoming uncovered</p>						<p>RU2.2</p> <p>UNPLANNED area radiation readings increases by a factor of 1,000 over NORMAL LEVELS</p>																																																					
<p>RA3.1</p> <p>Dose rates &gt; 15 mRem/hr in ANY of the following areas requiring continuous occupancy to maintain plant safety functions:</p> <ul style="list-style-type: none"> <li>Control Room</li> <li>CA</li> <li>SAS</li> </ul>						<p>RA3.2</p> <p>Seismic event identified by ANY two of the following:</p> <ul style="list-style-type: none"> <li>Seismic Acceleration Recorder (0-YRC-001) Event Indicator indicates seismic event &gt; OBE (0.08 g horizontal, 0.053g vertical)</li> <li>OR</li> <li>Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT</li> </ul> <p>AND</p> <p>Earthquake confirmed by EITHER:</p> <ul style="list-style-type: none"> <li>Earthquake felt in plant</li> <li>OR</li> <li>National Earthquake Information Center (Note 7)</li> </ul>						<p>HU1.1</p> <p>Seismic event identified by ANY two of the following:</p> <ul style="list-style-type: none"> <li>Seismic Acceleration Recorder (0-YRC-001) Event Indicator indicates seismic event &gt; OBE (0.08 g horizontal, 0.053g vertical)</li> <li>OR</li> <li>Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT</li> </ul> <p>AND</p> <p>Earthquake confirmed by EITHER:</p> <ul style="list-style-type: none"> <li>Earthquake felt in plant</li> <li>OR</li> <li>National Earthquake Information Center (Note 7)</li> </ul>																																															
3 CRICAS/SAS Rad	<p>HA1.1</p> <p>Seismic Acceleration Recorder (0-YRC-001) Event Indicator indicates seismic event &gt; OBE (0.08 g horizontal, 0.053g vertical)</p> <p>OR</p> <p>Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT</p> <p>AND</p> <p>Earthquake confirmed by EITHER:</p> <ul style="list-style-type: none"> <li>Earthquake felt in plant</li> <li>OR</li> <li>National Earthquake Information Center (Note 7)</li> </ul>						<p>HA1.2</p> <p>Tornado striking or sustained high winds &gt; 45 m/sec (100 mph) resulting in EITHER:</p> <ul style="list-style-type: none"> <li>VISIBLE DAMAGE to ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area</li> <li>OR</li> <li>Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area</li> </ul>						<p>HU1.2</p> <p>Tornado striking within PROTECTED AREA boundary</p> <p>OR</p> <p>Sustained high winds &gt; 45 m/sec (100 mph)</p>																																														
	<p>HA1.3</p> <p>Internal flooding in ANY Table H-1 area resulting in EITHER:</p> <ul style="list-style-type: none"> <li>An electrical shock hazard that precludes access to operate or monitor ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area</li> <li>OR</li> <li>Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area</li> </ul>						<p>HA1.4</p> <p>Turbine failure-generated PROJECTILES resulting in EITHER:</p> <ul style="list-style-type: none"> <li>Visible damage to ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area</li> <li>OR</li> <li>Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area</li> </ul>						<p>HU1.3</p> <p>Internal flooding that has the potential to affect ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT required by Technical Specifications for the current operating mode in ANY Table H-1 area</p>																																														
	<p>HA1.5</p> <p>Bay water level &gt; top of the travelling screen cover housing</p> <p>OR</p> <p>Bay water level or inside travelling screen water level &lt; 16.0 ft below intake concrete level (+72.0 in. Mean Sea Level)</p>						<p>HA1.6</p> <p>Vehicle crash resulting in EITHER:</p> <ul style="list-style-type: none"> <li>VISIBLE DAMAGE to ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area</li> <li>OR</li> <li>Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area</li> </ul>						<p>HU1.4</p> <p>Turbine failure resulting in casing penetration or damage to turbine or generator seals</p>																																														
1 Natural or Destructive Phenomena	<p>HA2.1</p> <p>FIRE or EXPLOSION resulting in EITHER:</p> <ul style="list-style-type: none"> <li>VISIBLE DAMAGE to ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area</li> <li>OR</li> <li>Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area</li> </ul>						<p>HA2.2</p> <p>Access to ANY Table H-1 area is prohibited due to toxic, corrosive, asphyxiant or flammable gases which jeopardize operation of ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT (Note 5)</p>						<p>HU1.5</p> <p>Bay water level &lt; 13.6 ft below intake concrete level (-43.2 in. Mean Sea Level)</p>																																														
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2 Fire or Explosion	<p>HG4.1</p> <p>A HOSTILE ACTION has occurred such that plant personnel are unable to operate equipment required to maintain ANY of the following safety function acceptance criteria:</p> <ul style="list-style-type: none"> <li>Reactivity control (RC)</li> <li>Vital Auxiliaries (VA)</li> <li>RCS pressure and inventory control (PIC)</li> <li>Cone &amp; RCS heat removal (HR)</li> </ul>						<p>HSA1</p> <p>A HOSTILE ACTION is occurring or has occurred within the PROTECTED AREA as reported by Security Shift Supervisor</p>						<p>HU3.1</p> <p>Recommendation by local, county or state officials to evacuate or shelter site personnel based on an offsite event</p>																																														
	<p>HG4.2</p> <p>A HOSTILE ACTION has caused failure of Spent Fuel Cooling systems</p> <p>AND</p> <p>IMMINENT fuel damage is likely</p>						<p>HSA2</p> <p>Control Room evacuation has been initiated AND EITHER:</p> <ul style="list-style-type: none"> <li>Inability to establish Auxiliary Feedwater to at least one steam generator within 30 min. (Note 4)</li> <li>OR</li> <li>Inability to establish reactor coolant make-up (charging pump flow) within 60 min. (Note 4)</li> </ul>						<p>HU3.2</p> <p>A SECURITY CONDITION that does not involve a HOSTILE ACTION as reported by Security Shift Supervisor</p> <p>OR</p> <p>A credible site-specific security threat notification</p> <p>OR</p> <p>A validated notification from NRC providing information of an aircraft threat</p>																																														
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5 Control Room Evacuation	<p>HG6.8</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve:</p> <ul style="list-style-type: none"> <li>Actual or IMMINENT substantial core degradation or melting with potential for loss of Containment integrity</li> <li>OR</li> <li>HOSTILE ACTION that results in intentional damage or control of the facility</li> </ul> <p>Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels (1,000 mRem TEDE and 5,000 mRem thyroid CDE) offsite for more than the immediate site area.</p>						<p>HSS.8</p> <p>Control Room evacuation has been initiated AND EITHER:</p> <ul style="list-style-type: none"> <li>Inability to establish Auxiliary Feedwater to at least one steam generator within 30 min. (Note 4)</li> <li>OR</li> <li>Inability to establish reactor coolant make-up (charging pump flow) within 60 min. (Note 4)</li> </ul>						<p>HU4.7</p> <p>A SECURITY CONDITION that does not involve a HOSTILE ACTION as reported by Security Shift Supervisor</p> <p>OR</p> <p>A credible site-specific security threat notification</p> <p>OR</p> <p>A validated notification from NRC providing information of an aircraft threat</p>																																														
	<p>HG6.9</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve:</p> <ul style="list-style-type: none"> <li>Actual or IMMINENT substantial core degradation or melting with potential for loss of Containment integrity</li> <li>OR</li> <li>HOSTILE ACTION that results in intentional damage or control of the facility</li> </ul> <p>Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels (1,000 mRem TEDE and 5,000 mRem thyroid CDE) offsite for more than the immediate site area.</p>						<p>HSS.9</p> <p>Control Room evacuation has been initiated AND EITHER:</p> <ul style="list-style-type: none"> <li>Inability to establish Auxiliary Feedwater to at least one steam generator within 30 min. (Note 4)</li> <li>OR</li> <li>Inability to establish reactor coolant make-up (charging pump flow) within 60 min. (Note 4)</li> </ul>						<p>HU4.8</p> <p>A SECURITY CONDITION that does not involve a HOSTILE ACTION as reported by Security Shift Supervisor</p> <p>OR</p> <p>A credible site-specific security threat notification</p> <p>OR</p> <p>A validated notification from NRC providing information of an aircraft threat</p>																																														
	<p>HG6.10</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve:</p> <ul style="list-style-type: none"> <li>Actual or IMMINENT substantial core degradation or melting with potential for loss of Containment integrity</li> <li>OR</li> <li>HOSTILE ACTION that results in intentional damage or control of the facility</li> </ul> <p>Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels (1,000 mRem TEDE and 5,000 mRem thyroid CDE) offsite for more than the immediate site area.</p>						<p>HSS.10</p> <p>Control Room evacuation has been initiated AND EITHER:</p> <ul style="list-style-type: none"> <li>Inability to establish Auxiliary Feedwater to at least one steam generator within 30 min. (Note 4)</li> <li>OR</li> <li>Inability to establish reactor coolant make-up (charging pump flow) within 60 min. (Note 4)</li> </ul>						<p>HU4.9</p> <p>A SECURITY CONDITION that does not involve a HOSTILE ACTION as reported by Security Shift Supervisor</p> <p>OR</p> <p>A credible site-specific security threat notification</p> <p>OR</p> <p>A validated notification from NRC providing information of an aircraft threat</p>																																														
6 Judgment	<p>HG6.11</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve:</p> <ul style="list-style-type: none"> <li>Actual or IMMINENT substantial core degradation or melting with potential for loss of Containment integrity</li> <li>OR</li> <li>HOSTILE ACTION that results in intentional damage or control of the facility</li> </ul> <p>Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels (1,000 mRem TEDE and 5,000 mRem thyroid CDE) offsite for more than the immediate site area.</p>						<p>HSS.11</p> <p>Control Room evacuation has been initiated AND EITHER:</p> <ul style="list-style-type: none"> <li>Inability to establish Auxiliary Feedwater to at least one steam generator within 30 min. (Note 4)</li> <li>OR</li> <li>Inability to establish reactor coolant make-up (charging pump flow) within 60 min. (Note 4)</li> </ul>						<p>HU4.10</p> <p>A SECURITY CONDITION that does not involve a HOSTILE ACTION as reported by Security Shift Supervisor</p> <p>OR</p> <p>A credible site-specific security threat notification</p> <p>OR</p> <p>A validated notification from NRC providing information of an aircraft threat</p>																																														
	<p>HG6.12</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve:</p> <ul style="list-style-type: none"> <li>Actual or IMMINENT substantial core degradation or melting with potential for loss of Containment integrity</li> <li>OR</li> <li>HOSTILE ACTION that results in intentional damage or control of the facility</li> </ul> <p>Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels (1,000 mRem TEDE and 5,000 mRem thyroid CDE) offsite for more than the immediate site area.</p>						<p>HSS.12</p> <p>Control Room evacuation has been initiated AND EITHER:</p> <ul style="list-style-type: none"> <li>Inability to establish Auxiliary Feedwater to at least one steam generator within 30 min. (Note 4)</li> <li>OR</li> <li>Inability to establish reactor coolant make-up (charging pump flow) within 60 min. (Note 4)</li> </ul>						<p>HU4.11</p> <p>A SECURITY CONDITION that does not involve a HOSTILE ACTION as reported by Security Shift Supervisor</p> <p>OR</p> <p>A credible site-specific security threat notification</p> <p>OR</p> <p>A validated notification from NRC providing information of an aircraft threat</p>																																														
	<p>HG6.13</p> <p>Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve:</p> <ul style="list-style-type: none"> <li>Actual or IMMINENT substantial core degradation or melting with potential for loss of Containment integrity</li> <li>OR</li> <li>HOSTILE ACTION that results in intentional damage or control of the facility</li> </ul> <p>Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels (1,000 mRem TEDE and 5,000 mRem thyroid CDE) offsite for more than the immediate site area.</p>						<p>HSS.13</p> <p>Control Room evacuation has been initiated AND EITHER:</p> <ul style="list-style-type: none"> <li>Inability to establish Auxiliary Feedwater to at least one steam generator within 30 min. (Note 4)</li> <li>OR</li> <li>Inability to establish reactor coolant make-up (charging pump flow) within 60 min. (Note 4)</li> </ul>						<p>HU4.12</p> <p>A SECURITY CONDITION that does not involve a HOSTILE ACTION as reported by Security Shift Supervisor</p> <p>OR</p> <p>A credible site-specific security threat notification</p> <p>OR</p> <p>A validated notification from NRC providing information of an aircraft threat</p>																																														
E ISFSI	<p>EU1.1</p> <p>Damage to a loaded cask CONFINEMENT BOUNDARY</p>						<p>EU1.2</p> <p>None</p>						<p>EU1.3</p> <p>None</p>																																														
	<p>EU1.4</p> <p>None</p>						<p>EU1.5</p> <p>None</p>						<p>EU1.6</p> <p>None</p>																																														
	<p>EU1.7</p> <p>None</p>						<p>EU1.8</p> <p>None</p>						<p>EU1.9</p> <p>None</p>																																														

**Table R-1 Effluent Monitor Classification Thresholds**

Monitor	GE	SAE	ALERT	UE
WRNGM (RI-5415)	3.2E+09 µCi/sec	3.2E+08 µCi/sec	3.2E+07 µCi/sec	3.2E+05 µCi/sec
Main Steam Effluent (RI-6421, RI-6422)	40.0 rem/hr	4.0 rem/hr	0.40 rem/hr	N/A
Main Vent (RI-6415)	N/A	N/A	N/A	2.0E+05 cpm
Waste Processing (RI-6410)	N/A	N/A	N/A	4.0E+05 cpm
Fuel Handling Area Vent (RI-6420)	N/A	N/A	N/A	3.4E+05 cpm
Liquid Waste Disch* (RE-2201)	N/A	N/A	off-scale hl	8.4E+05 cpm

\*with effluent discharge not isolated

**Table H-1 Safe Shutdown Areas**

- Control Room
- Containment
- Auxiliary Building
- Diesel Generator Rooms
- Intake Structure
- 1A/OC DG Buildings
- RWT
- RWT Rooms
- CST No. 12
- POST No. 21
- Auxiliary Feed Pump Rooms

**Notes**

- The ED should not wait until the applicable time has elapsed, but should declare the event as soon as it is determined that the condition will likely exceed the applicable time
- The ED should not wait until the applicable time has elapsed, but should declare the event as soon as it is determined that the release duration has exceeded, or will likely exceed, the applicable time. In the absence of data to the contrary, assume that the release duration has exceeded the applicable time if an ongoing release is detected and the release start time is unknown.
- If loss of water level in the refueling pathway occurs while in Mode 5, 6 or D, consider classification under EALs CU3.1, CU3.2 or CU3.3
- The ED should not wait until the applicable time has elapsed, but should declare the event as soon as it is determined that the condition has exceeded, or will likely exceed, the applicable time.
- If the equipment in the stated area was already inoperable, or out of service, before the event occurred, then EAL HAS.1 should not be declared as it will have no adverse impact on the ability of the plant to safely operate or safely shutdown beyond that already allowed by Technical Specifications at the time of the event.
- The lowest RVLMS indication is the 10 in. alarm, which is 10 in. above top of active fuel. Therefore, this indicator should only be used when a valid RFP/RCS level indication is not available.
- The NEIC can be contacted by calling (303) 273-8500. Select option #1 and inform the analyst you wish to confirm recent seismic activity in the vicinity of Calvert Cliffs Nuclear Power Plant. Provide the analyst with the following CCHPP coordinates: 38° 28' 38.7" north latitude, 75° 28' 45" west longitude.
- High temperature in Containment may induce a current error in the Mineral Insulated (MI) cable running through Containment to the meter. The CHRRM (12) RI-6517 A&B may not detect this value (6 R/hr) under these conditions. When Containment temperature reaches 300°F, the meter will indicate approximately 40 R/hr for a few minutes then drop to approximately 10 R/hr after three hours. This information is to provide guidance on determining the validity of the readings under the specified high temperature conditions.

Loss of AC Power	GENERAL EMERGENCY						SITE AREA EMERGENCY						ALERT						UNUSUAL EVENT												
	CG3.1	1	2	3	4	5	6	D	CS3.1	1	2	3	4	5	6	D	CA3.1	1	2	3	4	5	6	D	CU3.1	1	2	3	4	5	6
1 Loss of AC Power	<p>Table C-1 AC Power Sources</p> <ul style="list-style-type: none"> <li>12JA DG</li> <li>12JB DG</li> <li>DC DG, if aligned</li> <li>500kV transmission line 6051*</li> <li>500kV transmission line 5052*</li> <li>500kV transmission line 5072*</li> <li>SMECO line, if aligned</li> <li>A credited 500kV line must have an independent 13kV service transformer</li> </ul>						<p>CG3.1</p> <p>RCS level &lt; 32.9 ft (10 in. alarm on RVLMS (Note 6)) for ≥ 30 min. (Note 4)</p> <p>AND</p> <p>ANY Containment Challenge Indication, Table C-3</p>						<p>CS3.1</p> <p>With CONTAINMENT CLOSURE not established, RCS level &lt; 34.7 ft (19 in. 7th alarm on RVLMS)</p>						<p>CA3.1</p> <p>Loss of inventory as indicated by RCS water level &lt; 35.6 ft (29 in. 6th alarm on RVLMS)</p> <p>OR</p> <p>RCS level cannot be monitored for ≥ 15 min. with a loss of RCS inventory as indicated by an unplanned level rise in ANY Table C-2 sump / tank attributable to RCS leakage (Note 4)</p>						<p>CU3.1</p> <p>AC power capability to 4kV vital buses 11(21) and 14(24) reduced to a single power source, Table C-1, for ≥ 15 min. (Note 1)</p> <p>AND</p> <p>ANY additional single power source failure will result in a complete loss of all 4 kV vital bus power</p>						
	<p>CG3.2</p> <p>RCS level cannot be monitored with core recovery indicated by ANY of the following (Note 4):</p> <ul style="list-style-type: none"> <li>Containment radiation &gt; 6 R/hr</li> <li>Erratic WRNI indication</li> <li>Unexplained level rise in ANY Table C-2 sump / tank attributable to RCS leakage</li> </ul> <p>AND</p> <p>ANY Containment Challenge Indication, Table C-3</p>						<p>CS3.2</p> <p>With CONTAINMENT CLOSURE established, RCS level &lt; 32.9 ft (10 in. alarm on RVLMS (Note 6))</p>						<p>CA3.2</p> <p>RCS level cannot be monitored for ≥ 30 min. with a loss of RCS inventory as indicated by ANY of the following (Note 4):</p> <ul style="list-style-type: none"> <li>Containment radiation &gt; 6 R/hr</li> <li>Erratic WRNI indication</li> <li>Unexplained level rise in ANY Table C-2 sump / tank attributable to RCS leakage</li> </ul>						<p>CU3.2</p> <p>&lt; 105 VDC for ≥ 15 min. on the 125 VDC buses (11, 12, 21 or 22) that are required to monitor and control the removal of decay heat (Note 4)</p>												
	<p>CG3.3</p> <p>RCS level cannot be monitored with core recovery indicated by ANY of the following (Note 4):</p> <ul style="list-style-type: none"> <li>Containment radiation &gt; 6 R/hr</li> <li>Erratic WRNI indication</li> <li>Unexplained level rise in ANY Table C-2 sump / tank attributable to RCS leakage</li> </ul>						<p>CS3.3</p> <p>RCS level cannot be monitored for ≥ 30 min. with a loss of RCS inventory as indicated by ANY of the following (Note 4):</p> <ul style="list-style-type: none"> <li>Containment radiation &gt; 6 R/hr</li> </ul>																								