

		GENERAL EMERGENCY								SITE AREA EMERGENCY								ALERT								UNUSUAL EVENT																																							
R Abnorm. Rad Release / Rad Effluent	1 Offsite Rad Conditions	RG1.1 1 2 3 4 5 D ANY monitor reading > Table R-1 "GE" column for ≥ 15 min. (Note 1) • Do not delay declaration awaiting dose assessment results • If dose assessment results are available, declaration should be based on dose assessment instead of radiation monitor values (see EAL RG1.2)								RS1.1 1 2 3 4 5 D ANY monitor reading > Table R-1 "SAE" column for ≥ 15 min. (Note 1) • Do not delay declaration awaiting dose assessment results • If dose assessment results are available, declaration should be based on dose assessment instead of radiation monitor values (see EAL RS1.2)								RA1.1 1 2 3 4 5 D ANY gaseous monitor reading > Table R-1 "Alert" column for ≥ 15 min. (Note 2)								RU1.1 1 2 3 4 5 D ANY gaseous monitors > Table R-1 "UE" column for ≥ 60 min. (Note 2)																																							
		RG1.2 1 2 3 4 5 D Dose assessment using actual meteorology indicates doses > 1,000 mRem TEDE or 5,000 mRem thyroid CDE at or beyond the SITE BOUNDARY								RS1.2 1 2 3 4 5 D Dose assessment using actual meteorology indicates doses > 100 mRem TEDE or 500 mRem thyroid CDE at or beyond the SITE BOUNDARY								None								None																																							
		RG1.3 1 2 3 4 5 D Field survey results indicate closed window dose rates > 1,000 mRem/hr expected to continue for ≥ 60 min. at or beyond the SITE BOUNDARY (Note 1) OR Analyses of field survey samples indicate thyroid CDE > 5,000 mRem for 1 hr of inhalation at or beyond the SITE BOUNDARY (Note 1)								RS1.3 1 2 3 4 5 D Field survey results indicate closed window dose rates > 100 mRem/hr expected to continue for ≥ 60 min. at or beyond the SITE BOUNDARY (Note 1) OR Analyses of field survey samples indicate thyroid CDE > 500 mRem for 1 hr of inhalation at or beyond the SITE BOUNDARY (Note 1)								None								None																																							
	2 Onsite Rad Conditions & Spent Fuel Events	Table R-1 Effluent Monitor Classification Thresholds																																																															
GASEOUS								LIQUID																																																									
3 CR/CAS Rad	None																None																																																
H Hazards & Other Conditions Affecting Plant Safety	1 Natural or Destructive Phenomena	Table H-1 Safe Shutdown Areas																																																															
		Notes																																																															
	2 Fire or Explosion	None								None								HA1.1 1 2 3 4 5 D Seismic event > OBE (0.075g) as indicated by EITHER • Computer Point ERNSC02, OBE Detected OR • ANY amber LED light it at the Seismic Monitor Panel, Response Spectrum Annunciator AND • Earthquake felt in plant • JAFNPP seismic instrumentation • Control Room indication of degraded performance of systems required for the safe shutdown of the plant								HU1.1 1 2 3 4 5 D Seismic event identified by ANY two of the following: • Annunciator 842121 SEISMIC ACCELERATION EXCEEDED indicates seismic event detected • Confirmation of earthquake received on NMP-1 or JAFNPP seismic instrumentation • Earthquake felt in plant																																							
None								None								HA1.2 1 2 3 4 5 D Tornado striking OR Sustained high winds > 90 mph resulting in EITHER: VISIBLE DAMAGE to ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area OR Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM, OR COMPONENT within ANY Table H-1 area								HU1.2 1 2 3 4 5 D Tornado striking within PROTECTED AREA boundary OR Sustained high winds > 90 mph																																									
None								None								HA1.3 1 2 3 4 5 D Internal flooding resulting in EITHER: • An electrical shock hazard that precludes access to operate or monitor ANY SAFETY-RELATED STRUCTURE, SYSTEM or COMPONENT within ANY Table H-1 area OR Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM or COMPONENT within ANY Table H-1 area								HU1.3 1 2 3 4 5 D 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																																									
3 Hazardous Gas	None								None								HA1.4 1 2 3 4 5 D Turbine failure-generated PROJECTILES resulting in EITHER: VISIBLE DAMAGE to ANY SAFETY-RELATED STRUCTURE, SYSTEM or COMPONENT within ANY Table H-1 area OR Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM or COMPONENT within ANY Table H-1 area								HU1.4 1 2 3 4 5 D Turbine failure resulting in ANY of the following: • Casing penetration • Damage to turbine seals • Damage to generator seals																																								
	None								None								HA1.5 1 2 3 4 5 D Lake water level > 254 ft OR Intake water level < 233 ft								HU1.5 1 2 3 4 5 D Lake water level > 248.2 ft OR Intake water level < 237 ft																																								
	None								None								HA1.6 1 2 3 4 5 D Vehicle crash resulting in EITHER: VISIBLE DAMAGE to ANY SAFETY-RELATED STRUCTURE, SYSTEM or COMPONENT within ANY Table H-1 area OR Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM or COMPONENT within ANY Table H-1 area								HU1.6 1 2 3 4 5 D FIRE or EXPLOSION resulting in EITHER: VISIBLE DAMAGE to ANY SAFETY-RELATED STRUCTURE, SYSTEM or COMPONENT within ANY Table H-1 area OR Control Room indication of degraded performance of ANY SAFETY-RELATED STRUCTURE, SYSTEM or COMPONENT within ANY Table H-1 area																																								
E ISFSI	4 Security	HG4.1 1 2 3 4 5 D A HOSTILE ACTION has occurred such that plant personnel are unable to operate equipment required to maintain safety functions								HS4.1 1 2 3 4 5 D A HOSTILE ACTION is occurring or has occurred within the PROTECTED AREA as reported by the Security Site Supervisor								HA4.1 1 2 3 4 5 D A HOSTILE ACTION is occurring or has occurred within the Owner Controlled Area as reported by the Security Site Supervisor								HU4.1 1 2 3 4 5 D A SECURITY CONDITION that does not involve a HOSTILE ACTION as reported by the Security Site Supervisor																																							
		HG4.2 1 2 3 4 5 D A HOSTILE ACTION has caused failure of Spent Fuel Cooling systems AND IMMINENT fuel damage is likely								HS5.1 1 2 3 4 5 D Control Room evacuation has been initiated AND Control of the plant cannot be established within 15 min. (Note 4)								HA5.1 1 2 3 4 5 D A validated notification from NRC of an AIRLINER attack threat within 30 min. of the site								HU5.1 1 2 3 4 5 D A validated notification from NRC providing information of an aircraft threat																																							
		None								None								None								None																																							
	6 Judgment	HG6.1 1 2 3 4 5 D 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 (1,000 mRem TEDE or 5,000 mRem thyroid CDE) offsite for more than the immediate site area								HS6.1 1 2 3 4 5 D 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 (1,000 mRem TEDE or 5,000 mRem thyroid CDE) beyond the SITE BOUNDARY								HA6.1 1 2 3 4 5 D 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 (1,000 mRem TEDE or 5,000 mRem thyroid CDE)								HU6.1 1 2 3 4 5 D 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																																							
None								None								None								None																																									
Modes:		1 Power Operation								2 Startup								3 Hot Shutdown								4 Cold Shutdown								5 Refuel								D Defueled								Constellation Energy Nine Mile Point Nuclear Station Unit 2 Approved: _____ Director, Emergency Planning Date: _____								EPIP-EP-002 Attachment 1 EAL Matrix Unit 2 Page 1 of 2							