Married   Marr			GENERAL EMERGEN	CY <b>S</b> ITE AREA EMERGE	NCY ALERT	Unusual event	
The control of the			ANY gaseous monitor reading > Table R-1 column "GE" 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		*SAE* ssment  ANY gaseous monitor reading > Table R-1 column *Alert* for ≥ 15 min. (Note 2)	RU1.1 1 2 3 4 5 6 D  ANY gaseous or liquid monitor reading > Table R-1 column	
The company of the co		1				RU1.2 1 2 3 4 5 6 D	
The control of the			> 1,000 mRem TEDE or 5,000 mRem thyroid CDE a beyond the site boundary	t or > 100 mRem TEDE or 500 mRem thyroid CDE at or the site boundary	r beyond indicate concentrations or release rates > 200 x P-9 limits for ≥ 15 min. (Note 2)	indicate concentrations or release rates > 2 x P-9 limits for	
Table No. Effective Works Class Science Transmission  The Company of the Company	R		> 1,000 mRem/hr expected to continue tor ≥ 60 min. beyond the site boundary OR Analyses of field survey samples indicate thyroid CC > 5,000 mRem for 1 hr of inhalation at or beyond the	at or > 100 mRem/hr expected to continue for ≥ 60 min. beyond the site boundary  OR  Analyses of field survey samples indicate thyroid Cl  500 mRem for 1 hr of inhalation at or beyond the	at or DE		
The content of the				boundary		RU2.1 1 2 3 4 5 6 D	
The control of the			Monitor GE  CNMT Vent Noble Gas (R-12) N/A  CNMT Vent Noble Gas Hi Range	SAE ALERT UE  7.4E+6 cpm w/ 1 5.1E+6 cpm w/ 2	damage to irradiated fuel or loss of water level:  R-12 Containment Vent Noble Gas  R-14 Plant Vent Noble Gas  R-2 Containment  R-2 Containment	indicated by inability to restore and maintain level > SFP low water level alarm setpoint (Note 3)  AND  Area radiation monitor reading rise on EITHER:  R-2 Containment  OR	
Table 1-1 Size Blandown Aces:		Spent Fuel	Plant Vent Noble Gas (R-14) N/A Plant Vent Noble Gas Hi Range 2 15-1-0-0		A water level drop in a reactor refueling pathway that will	RU2.2 1 2 3 4 5 6 D  Unplanned area radiation reading increases by a factor of	
The contract of the contract o		3	(R-15)  Air Ejector Noble Gas Hi Range (R-48)  Main Steam Line		RA3.1 1 2 3 4 5 6 D  Dose rates > 15 mRem/hr in EITHER of the following areas requiring continuous occupancy to maintain plant safety		
1		CR/CAS Rad	1 ARV 5.0E+3 mR 1 Safety 2.3E+3 mR 2 Safety 1.1E+3 mR 3 Safety 7.7E+2 mR 4 Safety 5.7E+2 mR	hr 2.3E+2 mR/hr 2.3E+1 mR/hr 3.7E+0 mR/hr hr 1.1E+2 mR/hr 1.1E+1 mR/hr N/A hr 7.7E+1 mR/hr 7.7E+0 mR/hr N/A	Control Room (R-1) OR CAS		
HAND TO CONTROL OF THE PARTY AND ADDRESS SHAREDOWN AREA  FROM TO CONTROL OF THE PARTY AND ADDRESS SHAREDOWN AND ADDRESS SHAREDOWN AREA  FROM TO CONTROL OF THE PARTY AND ADDRESS SHAREDOWN AREA  FROM TO CONTROL OF THE PARTY AND ADDRESS SHAREDOWN AREA  FROM TO CONTROL OF THE PARTY AND ADDRESS SHAREDOWN AREA  FROM TO CONTROL OF THE PARTY AND ADDRESS SHAREDOWN AREA  FROM TO CONTROL OF THE PARTY AND ADDRESS SHAREDOWN AREA  FROM TO CONTROL OF THE PARTY AND ADDRESS SHAREDOWN AREA  FROM TO CONTROL OF THE PARTY AND ADDRESS SHAREDOWN AREA  FROM TO CONTROL OF THE PARTY AND ADDRESS SHAREDOWN AREA  FROM TO CONTROL OF THE PARTY			(R-18) N/A  SFP HX Effluent (R-20A) N/A (R-20B) N/A  Turbine Blog Fir Drains (R-21) N/A  Hi Conf Waste	With no isolation   With no isolation   With no isolation   N/A	EITHER: Confirmation of an earthquake of an intensity > 0.08 g per ER-SC.4 Earthquake Emergency Plan OR Control Room indication of degraded performance of ANY safety-related structure, system, or component AND Earthquake confirmed by EITHER: Earthquake felt in plant OR	Seismic event identified by ANY two of the following:  Red LED event indicator on Kinemetrics ETNA Digital Recorder indicates seismic event detected  Earthquake felt onsite	
The state of the s					HA1.2 1 2 3 4 5 6 D  Tornado striking or sustained high winds > 75 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	Tornado striking within Protected Area boundary OR	
The property of the property o		Destructive	- Rea - Aux - Con	ctor Containment Building liary Building rol Building	HA1.3 1 2 3 4 5 6 D  Internal flooding in ANY Table H-1 area 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	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	
HAZE  Lake view 2 18 to 1.6.2		A Proposition of the Proposition	· SAF • Scre • Cab	W Building enhouse e Tunnel	HAT.4 1 2 3 4 5 6 D  Turbine failure-generated projectiles resulting in EITHER: Visible damage to or penetration of 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	Turbine failure resulting in casing penetration or damage to	
Value damage Law Year polymented discuss, year, or component with ANY Table 1 and a second of the component					Lake level > 253 ft OR Screen House Suction Bay water level < 16 ft or < 14.5 ft by manual level measurement  HA1.6 1 2 3 4 5 6 D	Deer Creek flooding over entrance road bridge hand rail OR Lake level > 252 ft OR Screen House Suction Bay water level < 17 ft or < 15.5 ft by	
For or explained resulting in Bittley. Side of the process of the	Hazards & Other Condi-				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		
None None None None None None None None	Affect- ing	Fire or	None	None	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	Fire not extinguished within 15 min. of Control Room notification or verification of a Control Room fire alarm in ANY Table H-1 area or Turbine Building (Note 4)  HU2.2 1 2 3 4 5 6 D	
A hotelise action has accurred within the graphers of the Emergency Director indicate that events are in progress or have courred within the the plagment of the Emergency Director indicate that events are in progress or have counted within the thin who what the intrinsical standard for the Emergency Director indicate that events are in progress or have counted within the thin who what the individual or of the Emergency Director indicate that events are in progress or have counted within the major and the involved and but of the pulse of the Emergency Director indicate that events are in progress or have occurred within the involved and but of the			None	None	HA3.1 1 2 3 4 5 6 D  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	HU3.1 1 2 3 4 5 6 D  Release of toxic, corrosive, asphyxiant or flammable gases of sufficient quantity to affect normal plant operations  HU3.2 1 2 3 4 5 6 D  Recommendation by local, county or state officials to	
Control Room evacuation has been initiated AND Control of the plant cannot be established within 30 min.  H66.1			A hostile action has occurred such that plant person unable to operate equipment required to maintain sifunctions  HG4.2	nel are A hostile action is occurring or has occurred within the Protected Area as reported by Security Shift Supervice.	the A hostile action is occurring or has occurred within the Owner Controlled Area as reported by Security Shift Supervision OR A validated notification from NRC of an airliner attack threat	HU4.1 1 2 3 4 5 6 D  A security condition that does not involve a hostile action as reported by Security Shift Supervision  OR  A credible site-specific security threat notification  OR  A validated notification from NRC providing information of an	
Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve actual or in involve actual or indicate that events are in progress or have occurred which involve actual or indicate that events are in progress or have occurred which involve actual or indicate that events are in progress or have occurred which involve actual or indicate that events are in progress or have occurred which involve actual or indicate that events are in progress or have occurred which involve actual or indicate that events are in progress or have occurred which involve an actual or potential correct or a security of the temperature of th		Control Room		Control Room evacuation has been initiated AND Control of the plant cannot be established within 30	Control Room evacuation has been initiated	None	
None None None None None None None Damage to a loaded cask confinement boundary  Constellation Energy Ginna Station Event Evaluation and Classification Revision XX Nation XX Na			Other conditions exist which in the judgment of the Emergency Director indicate that events are in prog- have occurred which involve actual or imminent sub- core degradation or melting with potential for loss of containment integrity OR hostile action that results is actual loss of physical control of the facility. Release reasonably expected to exceed EPA Protective Action Guideline exposure levels (1,000 mRem TEDE or 5, mRem thyroid CDE) offsite for more than the immer	Other conditions exist which in the judgment of the Emergency Director indicate that events are in prog have occurred which involve actual or likely major fe so can be in carbon that results in intentional damage or maliciou (1) toward site personnel or equipment that could likely failure of, or. (2) that prevent effective adde the site exceed EPA Protective Action Guideline exposure leve exceed EPA Protective Action Guideline exposure Is (1,000 m/Rem TTPOES or 5,000 m/Rem through CDE) is considered.	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)	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	
Modes: 1 2 3 4 5 6 D Constellation Energy Ginna Station Event Evaluation and Classification Revision XX			None	None	None		
Hot Standay Hot Standay Cold Shutdown Refuel Defueled Approved:	Mo	odes:		3 4 5 6 Shutdown Hot Standby Cold Shutdown Refuel	Defueled	Energy Ginna Station Event Evaluation and Classification Revision XX	

		GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT	
35000000000	000000000000000000000000000000000000000	SG1.1 1 2 3 4 SS1.1 1 2 3 4		SA1.1 1 2 3 4	SU1.1 1 2 3 4	
	Loss of AC Power	Loss of all offsite and all onsite AC power, Table S-1, to 480V safeguards buses AND EITHER: Restoration of at least one 480V safeguards bus within 4 hours is not likely OR ORANGE or RED path condition exists F-0.2 Core Cooling	Loss of all offsite and all onsite AC power, Table S-1, to 480V safeguards buses for ≥ 15 min. (Note 4)	AC power capability to 480V safeguards buses reduced to a single power source, Table S-1, for ≥ 15 min. (Note 4) AND Any additional single power source failure will result in a complete loss of all 480V safeguards bus power	Loss of all offsite AC power, Table S-1, to 480V safeguards buses for ≥ 15 min. (Note 4)  Table S-1 AC Power Sources  • EDG 1A (Bus 14) • EDG 1B (Bus 16) • Station Auxiliary Transformer 12A	
	2 Loss of DC Power	None	SS2.1 1 2 3 4 < 108 VDC on <b>both</b> 125 VDC buses 1A and 1B for ≥ 15 min. (Note 4)	None	Station Auxiliary Transformer 12B     Unit Auxiliary Transformer 11     backfeed (if currently established)	
	Griticality & RPS Failure	An automatic trip failed to shut down the reactor as indicated by reactor power > 5% AND All manual actions fail to shut down the reactor as indicated by reactor power > 5% AND EITHER of the following exist or have occurred: RED path condition exists F-0.2 Core Cooling OR RED path condition exists F-0.3 Heat Sink	An automatic trip failed to shut down the reactor as indicated by reactor power > 5% AND Manual actions taken at the reactor control console failed to shut down the reactor as indicated by reactor power > 5%	An automatic trip failed to shut down the reactor AND Manual actions taken at the reactor control console successfully shut down the reactor as indicated by reactor power ≤ 5%	Su3.1 3 4 An unplanned sustained positive startup rate observed on nuclear instrumentation	
System Malfunct.	inability to Reach or Maintain Shutdown Conditions	None	None	None	Plant is not brought to required operating mode within Technical Specifications LCO required action completion time	
	5 Inst.	None	Unplanned loss of 6 or more annunciator panels, Table S-2, or >75% of MCB indications for ≥ 15 min. (Note 4)  AND  A significant transient is in progress, Table S-3  AND  Compensatory indications are unavailable (PPCS)	SA5.1 1 2 3 4  Unplanned loss of 6 or more annunciator panels, Table S-2, or >75% of MCB indications for ≥ 15 min. (Note 4)  AND EITHER:  A significant transient is in progress, Table S-3  OR  Compensatory indications are unavailable (PPCS)	SU5.1 1 2 3 4  Unplanned loss of 6 or more annunciator panets, Table S-2, or >75% of MCB indications for ≥ 15 min. (Note 4)	
	6 Comm.			-4 Communications Systems	Su6.1 1 2 3 4	
	7 Fuel Clad Degradation	Automatic turbine run	back > 25% thermal power Plant Page Pa	TS Lines (Blue Phones) X X urty system X	SU7.1	
	RCS Leakage	Electric load rejection     Reactor trip     Safety Injection active	Control Room	Hard Wired Satellite Phone X Emergency Cell Phone X	Unidentified or pressure boundary leakage > 10 gpm for ≥ 15 min. (Note 4) OR Identified leakage > 25 gpm for ≥ 15 min. (Note 4)	
Fission Product Barrier Degradation		FG1.1 1 2 3 4  Loss of ANY two barriers AND  Loss or potential loss of the third barrier (Table F-1)	FS1.1 1 2 3 4 Loss or potential loss of ANY two barriers (Table F-1)	ANY loss or ANY potential loss of either Fuel Clad or RCS (Table F-1)	FU1.1 1 2 3 4  ANY loss or ANY potential loss of Containment (Table F-1)	

Notes

1. 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.

2. 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 in an ongoing release is detected and the release start time is unknown.

3. If foss of water level in the refueling pathway 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

4. 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.

time.

5. If the equipment in the stated area was already inoperable, or out of service, before the event occurred, then EAL HA3.1 should not be declared as it will have no adverse impact on the ability of the plant to safely operate or safely shut down beyond that already allowed by Technical Specifications at the time of the event.

6. 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 Ginna Nuclear Power Plant. Provide the analyst with the following Ginna coordinates: 43° 16.7' north latitude, 77° 18.7' west longitude.

	Fuel Clad Barrier		Reactor Coolan	t System Barrier	Containment Barrier	
	Loss	Potential Loss	Loss	Potential Loss	Loss	Potential Loss
	RED path condition exists     F-0.2 Core Cooling	ORANGE path condition exists F-0.2 Core Cooling		RED path condition exists     F-0.4 Integrity		RED path condition exis     F-0.5 Containment
CSFST		RED path condition exists F-0.3 Heat Sink and heat sink is required	None	RED path condition exists     F-0.3 Heat Sink and heat     sink is required	None	
B Core Exit TCs	2. Core Exit TCs ≥ 1,200°F	3. Core Exit TCs ≥ 700°F	None	None	None	Core Exit TCs cannot b restored < 1,200°F within 15 min.     Core Exit TCs ≥ 700°F AND     RVLIS level cannot be restored > 52%  > 55% adverse CNMT] with no RCPs running within 15 min.
C	None	4. RVLIS level ≤ 52% [ ≤ 55% adverse CNMT] OR At least one RCP running RVLIS fluid fraction ≤ 66%	RCS leak rate > available makeup capacity as indicated by a loss of RCS subcooling (< EOP Fig. MIN SUBCOOLING)     Ruptured S/G results in an ECCS (SI) actuation	3. RCS leak rate > 50 gpm with letdown isolated	A containment pressure rise followed by a rapid unexplained drop in containment pressure     Containment pressure or sump level response not consistent with LOCA conditions     Ruptured S/G is also faulted outside of containment     Primary-to-secondary leakrate > 10 gpm AND Unisolable prolonged steam release from affected S/G to the environment	4. Containment pressure ≥ 60 psig and rising  5. Containment hydrogen concentration ≥ 4%  6. Containment pressure ≥ 28 psig and < two CRt units and one CS pump operating per design
Radiation / Coolant Activity	3. Containment radiation monitor R-29/R-30 reading > 1.0E+02 R/hr  4. Valid Letdown Monitor (R-9) reading ≥ 24,000 mR/hr  5. Coolant activity > 300 µCl/gm dose equivalent I-131	None	Containment radiation monitor R-29/R-30 reading > 1.0E+01 R/hr	None	None	7. Containment radiation monitor R-29/R-30 readi > 1.0E+03 R/hr
E Isolation Status	None	None	None	None	Failure of all valves in ANY one line to close AND Direct downstream pathway to the environment exists after containment isolation signal	None
F	ANY condition in the opinion of the Emergency Director that indicates loss of the fuel clad barrier	5. ANY condition in the opinion of the Emergency Director that indicates potential loss of the fuel clad barrier	ANY condition in the opinion of the Emergency Director that indicates loss of the RCS barrier	ANY condition in the opinion of the Emergency Director that indicates potential loss of the RCS barrier	ANY condition in the opinion of the Emergency Director that indicates loss of the containment barrier	ANY condition in the opinion of the Emergen Director that indicates potential loss of the containment barrier

EAL Identifier

XXX.X

Category (R, H, E, S, F, C) Sequential number within subcategory/classification

**MODE 1, 2, 3 or 4** 

