

Draft H 10-19-04  
For Review Only

	GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT	GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT			
Offsite Rad Conditions	RG1 Offsite Dose Resulting from an Actual or Imminent Release of Gaseous Radioactivity Exceeds 1000 mRem TEDE or 5000 mRem Thyroid CDE for the Actual or Projected Duration of the Release Using Actual Meteorology RG1.1 [ 1 2 3 4 5 6 DEF ] Note: If dose assessment results are available at the time of declaration, the classification should be based on RG1.2 instead of RG1.1. While necessary declarations should not be delayed awaiting results, the dose assessment should be initiated/ completed in order to determine if the classification should be subsequently escalated. VALID reading on one or more monitors listed in Table R-1 that exceeds or is expected to exceed column "GE" for 15 minutes or longer. RG1.2 [ 1 2 3 4 5 6 DEF ] Dose assessment using actual meteorology indicates doses GREATER THAN 1000 mRem TEDE or 5000 mRem thyroid CDE at or beyond the site boundary. RG1.3 [ 1 2 3 4 5 6 DEF ] Field survey results indicate closed window dose rates exceeding 1000 mR/hr expected to continue for more than one hour, at or beyond site boundary. OR Analyses of field survey samples indicate thyroid CDE of 5000 mRem for one hour of inhalation, at or beyond site boundary.	RS1 Offsite Dose Resulting from an Actual or Imminent Release of Gaseous Radioactivity Exceeds 100 mRem TEDE or 500 mRem Thyroid CDE for the Actual or Projected Duration of the Release Using Actual Meteorology RS1.1 [ 1 2 3 4 5 6 DEF ] Note: If dose assessment results are available at the time of declaration, the classification should be based on RS1.2 instead of RS1.1. While necessary declarations should not be delayed awaiting results, the dose assessment should be initiated/ completed in order to determine if the classification should be subsequently escalated. VALID reading on one or more monitors listed in Table R-1 that exceeds or is expected to exceed column "SAE" for 15 minutes or longer. RS1.2 [ 1 2 3 4 5 6 DEF ] Dose assessment using actual meteorology indicates doses GREATER THAN 100 mRem TEDE or 500 mRem thyroid CDE at or beyond the site boundary. RS1.3 [ 1 2 3 4 5 6 DEF ] Field survey results indicate closed window dose rates exceeding 100 mR/hr expected to continue for more than one hour, at or beyond the site boundary. OR Analyses of field survey samples indicate thyroid CDE of 500 mRem for one hour of inhalation, at or beyond the site boundary.	RA1 Any UNPLANNED Release of Gaseous or Liquid Radioactivity to the Environment that Exceeds 200 Times the Offsite Dose Calculation Manual Specification for 15 Minutes or Longer RA1.1 [ 1 2 3 4 5 6 DEF ] VALID reading on any effluent monitor that exceeds 200 times the alarm setpoint established by a current radioactivity discharge permit for 15 minutes or longer. RA1.2 [ 1 2 3 4 5 6 DEF ] VALID reading on one or more of the following radiation monitors (Table R-1) that exceeds the reading shown for 15 minutes or longer: RA1.3 [ 1 2 3 4 5 6 DEF ] Confirmed sample analysis for gaseous or liquid release indicates concentrations or release rates, with a release duration of 60 minutes or longer, in excess of two times ODCM specification.	RU1 Any UNPLANNED Release of Gaseous or Liquid Radioactivity to the Environment that Exceeds Two Times the Offsite Dose Calculation Manual Specification for 60 Minutes or Longer RU1.1 [ 1 2 3 4 5 6 DEF ] VALID reading on any effluent monitor that exceeds two times the alarm setpoint established by a current radioactivity discharge permit for 60 minutes or longer. RU1.2 [ 1 2 3 4 5 6 DEF ] VALID reading on one or more of the following radiation monitors (Table R-1) that exceeds the reading shown for 60 minutes or longer: RU1.3 [ 1 2 3 4 5 6 DEF ] Confirmed sample analysis for gaseous or liquid release indicates concentrations or release rates, with a release duration of 60 minutes or longer, in excess of two times ODCM specification.	Loss of Power None	Loss of Power None	Loss of Power None	Loss of Power None	Loss of Power None		
Abnormal Rad Release	None	None	RA2 Damage to Irradiated Fuel or Loss of Water Level that Has or Will Result in the Uncovering of Irradiated Fuel Outside the Reactor Vessel RA2.1 [ 1 2 3 4 5 6 DEF ] A VALID alarm or reading on one or more of the following radiation monitors: - R-25 or R-31 SFP Air Monitor - R-5 Fuel Handling Area Monitor reading (10 mR/hr) - R-28 New Fuel Pool Criticality Area Monitor (10 mR/hr) - (12) R-11 Cm/BSV Air Particulate Monitor - (12) R-12 Cm/BSV Radio Gas Monitor - (12) R-2 Containment Vessel Area Monitor (50 mR/hr) RA2.2 [ 1 2 3 4 5 6 DEF ] Report of visual observation of irradiated fuel uncovered OR Loss of water inventory as indicated by inadequate makeup rate that will result in irradiated fuel uncovering. RA3 Release of Radioactive Material or Increase in Radiation Levels Within the Facility That Impedes Operation of Systems Required to Maintain Safe Operations or to Establish or Maintain Cold Shutdown RA3.1 [ 1 2 3 4 5 6 DEF ] VALID radiation monitor readings GREATER THAN 15 mR/hr in areas requiring continuous occupancy to maintain plant safety functions: - Control Room (Rad monitor R-1) OR Central Alarm Station (by portable radiation monitoring instrumentation) RA3.2 [ 1 2 3 4 5 6 DEF ] Any VALID radiation monitor reading GREATER THAN 12 R/hr in areas requiring infrequent access to maintain plant safety functions (Table H-1).	RU2 Unexpected Increase in Plant Radiation RU2.1 [ 1 2 3 4 5 6 DEF ] VALID indication of uncontrolled water level decrease in the reactor refueling cavity, spent fuel pool, or fuel transfer canal with all irradiated fuel assemblies remaining covered by water as indicated by level LESS THAN SFP low water level alarm, Refueling Canal Level, or visual observation (75.2 feet elevation) AND Any UNPLANNED VALID Area Radiation Monitor reading increases as indicated by: - R-5 Fuel Handling Area Monitor reading - R-28 New Fuel Pool Criticality Area Monitor - (12) R-2 Containment Vessel Area Monitor - Other Portable Area Radiation Monitoring Instrumentation RU2.2 [ 1 2 3 4 5 6 DEF ] Any UNPLANNED VALID Area Radiation Monitor reading increases by a factor of 1000 over normal* levels. *Normal levels can be considered as the highest reading in the past twenty-four hours excluding the current peak value.	CG1 Loss of RPV Inventory Affecting Fuel Clad Integrity with Containment Challenged with Irradiated Fuel in the RPV CG1.1 [ 1 2 3 4 5 6 DEF ] 1. Loss of RPV inventory as indicated by unexplained level increase in Containment Sumps A or C, or Waste Holdup Tank as indicated by sump pump run times, levels, or alarms AND RPV level: a. LESS THAN 63% RVLS Full Range for GREATER THAN 30 minutes OR b. cannot be monitored, with indication of core uncover for GREATER THAN 30 minutes as evidenced by one or more of the following: - Containment High Range Radiation Monitor (R48 or R49) reading GREATER THAN 5 R/hr - Erratic Source Range Monitor Indication 2. Incidental of CONTAINMENT challenged as indicated by one or more of the following: - Containment hydrogen concentration GREATER THAN OR EQUAL TO 6% - Containment pressure GREATER THAN 48 psig - CONTAINMENT CLOSURE not established CS1 Loss of RPV Inventory Affecting Core Decay Heat Removal Capability CS1.1 [ 1 2 3 4 5 6 DEF ] With CONTAINMENT CLOSURE not established: a. RPV inventory as indicated by RPV level LESS THAN 75% RVLS Full Range OR b. RPV level cannot be monitored for GREATER THAN 30 minutes with a loss of RPV inventory as indicated by unexplained level increase in Containment Sumps A or C, or Waste Holdup Tank as indicated by sump pump run times, levels, or alarms CS1.2 [ 1 2 3 4 5 6 DEF ] With CONTAINMENT CLOSURE established: a. RPV inventory as indicated by RPV level LESS THAN 63% RVLS Full Range OR b. RPV level cannot be monitored for GREATER THAN 30 minutes with a loss of RPV inventory as indicated by either: - Unexplained level increase in Containment Sumps A or C, or Waste Holdup Tank as indicated by sump pump run times, levels, or alarms - Erratic Source Range Monitor Indication CS2 Loss of RPV Inventory Affecting Core Decay Heat Removal Capability with Irradiated Fuel in the RPV CS2.1 [ 1 2 3 4 5 6 DEF ] With CONTAINMENT CLOSURE not established, and RPV level cannot be monitored, with indication of core uncover as evidenced by one or more of the following: - Containment High Range Radiation Monitor (R48 or R49) reading GREATER THAN 5 R/hr - Erratic Source Range Monitor Indication CS2.2 [ 1 2 3 4 5 6 DEF ] With CONTAINMENT CLOSURE established, and RPV level cannot be monitored, with indication of core uncover as evidenced by one or more of the following: - Containment High Range Radiation Monitor (R48 or R49) reading GREATER THAN 5 R/hr - Erratic Source Range Monitor Indication	CA1 Loss of RCS Inventory CA1.1 [ 1 2 3 4 5 6 DEF ] Loss of RCS inventory as indicated by RPV level at 0 inches Refueling Canal/RCS Narrow Range/Ultrasonic (at or Less Than 75% RVLS Full Range) CA1.2 [ 1 2 3 4 5 6 DEF ] Loss of RCS inventory as indicated by unexplained level increase in Containment Sumps A or C, or Waste Holdup Tank as indicated by sump pump run times, levels, or alarms AND RCS level cannot be monitored for GREATER THAN 15 minutes CA2 Loss of RPV Inventory with Irradiated Fuel in the RPV CA2.1 [ 1 2 3 4 5 6 DEF ] Loss of RPV inventory as indicated by RPV level at 0 inches Refueling Canal/RCS Narrow Range/Ultrasonic CA2.2 [ 1 2 3 4 5 6 DEF ] Loss of RCS inventory as indicated by unexplained level increase in Containment Sumps A or C, or Waste Holdup Tank as indicated by sump pump run times, levels, or alarms AND RPV level cannot be monitored for GREATER THAN 15 minutes CA3 Loss of All Offsite Power and Loss of All Onsite AC Power to Essential Buses CA3.1 [ 1 2 3 4 5 6 DEF ] Loss of all offsite power to Buses 15(25) and 16(26) AND Failure of all emergency generators to supply power to emergency Buses 15(25) and 16(26) AND Failure to restore power to at least one emergency bus within 15 minutes from the time of loss of both offsite and onsite AC power CA3.2 [ 1 2 3 4 5 6 DEF ] UNPLANNED Loss of required vital DC power based on LESS THAN 112 VDC on 125 VDC Panels 11(21) and 12(22) AND Failure to restore power to at least one required DC panel within 15 minutes from the time of loss CA4 Inability to Maintain Plant in Cold Shutdown with Irradiated Fuel in the RPV CA4.1 [ 1 2 3 4 5 6 DEF ] With CONTAINMENT CLOSURE and RCS integrity not established an UNPLANNED event results in RCS temperature exceeding 200 degrees F CA4.2 [ 1 2 3 4 5 6 DEF ] With CONTAINMENT CLOSURE established and RCS integrity not established or RCS inventory reduced an UNPLANNED event results in RCS temperature exceeding 200 degrees F for GREATER THAN 20 minutes* CA4.3 [ 1 2 3 4 5 6 DEF ] An UNPLANNED event results in RCS temperature exceeding 200 degrees F for GREATER THAN 60 minutes* or results in an RCS pressure increase of GREATER THAN 25 psig *Note: If an RCS heat removal system is in operation within this time frame and RCS temperature is being reduced then this EAL is not applicable	CU1 UNPLANNED Loss of RCS Inventory with Irradiated Fuel in the RPV CU1.1 [ 1 2 3 4 5 6 DEF ] UNPLANNED RCS level decrease below the RPV flange for GREATER THAN OR EQUAL TO 15 minutes CU1.2 [ 1 2 3 4 5 6 DEF ] Loss of RPV inventory as indicated by unexplained level increase in Containment Sumps A or C, or Waste Holdup Tank as indicated by sump pump run times, levels, or alarms AND RPV level cannot be monitored CU2 UNPLANNED Loss of Decay Heat Removal Capability with Irradiated Fuel in the RPV CU2.1 [ 1 2 3 4 5 6 DEF ] An UNPLANNED event results in RCS temperature exceeding 200°F CU2.2 [ 1 2 3 4 5 6 DEF ] Loss of all RCS temperature and RPV level indication for GREATER THAN 15 minutes CU3 UNPLANNED Loss of All Onsite or Offsite Communications Capabilities CU3.1 [ 1 2 3 4 5 6 DEF ] Loss of all Table C-1 onsite communications capability affecting the ability to perform routine operations CU3.2 [ 1 2 3 4 5 6 DEF ] Loss of all Table C-2 offsite communications capability CU4 UNPLANNED Loss of Decay Heat Removal Capability with Irradiated Fuel in the RPV CU4.1 [ 1 2 3 4 5 6 DEF ] An UNPLANNED event results in RCS temperature exceeding 200°F CU4.2 [ 1 2 3 4 5 6 DEF ] Loss of all RCS temperature and RPV level indication for GREATER THAN 15 minutes				
Onsite Rad Conditions	None	None	None	None	Reactor Vessel Level	Reactor Vessel Level	Reactor Vessel Level	Reactor Vessel Level			
Rad Effluent	None	None	None	None	None	None	None	None			
Natural & Destructive Phenomenon	None	None	HA1 Natural and Destructive Phenomena Affecting the Plant VITAL AREA HA1.1 [ 1 2 3 4 5 6 DEF ] Seismic Event GREATER THAN Operating Basis Earthquake (OBE) as indicated by "OBE" alarm on Seismic Monitoring Panel HA1.2 [ 1 2 3 4 5 6 DEF ] Tornado or high winds GREATER THAN 95 mph within PROTECTED AREA boundary and resulting in VISIBLE DAMAGE to any of the following plant structures / equipment or Control Room indication of degraded performance of those systems (Table H-1) HA1.3 [ 1 2 3 4 5 6 DEF ] Vehicle crash within PROTECTED AREA boundary and resulting in VISIBLE DAMAGE to any of the following plant structures or equipment therein or Control Room indication of degraded performance of those systems (Table H-1) HA1.4 [ 1 2 3 4 5 6 DEF ] Turbine failure-generated missiles result in any VISIBLE DAMAGE to or penetration of any of the following plant areas (Table H-1) HA1.5 [ 1 2 3 4 5 6 DEF ] Uncontrolled flooding in any Table H-1 area of the plant that results in degraded safety system performance as indicated in the control room or that creates industrial safety hazards (e.g. electric shock) that precludes access necessary to operate or monitor safety equipment HA1.6 [ 1 2 3 4 5 6 DEF ] High or low river water level occurrences affecting the PROTECTED AREA as indicated by: River intake level GREATER THAN 698 ft MSL OR River intake level LESS THAN 669.5 ft MSL	HU1 Natural and Destructive Phenomena Affecting the PROTECTED AREA HU1.1 [ 1 2 3 4 5 6 DEF ] Earthquake felt in plant as indicated by VALID "Event Alarm" on Seismic Monitoring Panel HU1.2 [ 1 2 3 4 5 6 DEF ] Report by plant personnel of tornado or high winds GREATER THAN 95 mph striking within PROTECTED AREA boundary HU1.3 [ 1 2 3 4 5 6 DEF ] Vehicle crash into plant structures or systems within PROTECTED AREA boundary HU1.4 [ 1 2 3 4 5 6 DEF ] Report by plant personnel of an unanticipated EXPLOSION within PROTECTED AREA boundary resulting in VISIBLE DAMAGE to permanent structure or equipment HU1.5 [ 1 2 3 4 5 6 DEF ] Report of turbine failure resulting in casing penetration or damage to turbine or generator seals HU1.6 [ 1 2 3 4 5 6 DEF ] Uncontrolled flooding in following areas of the plant that has the potential to affect safety related equipment needed for the current operating mode (Table H-1) HU1.7 [ 1 2 3 4 5 6 DEF ] High or low river water level occurrences affecting the PROTECTED AREA as indicated by: River intake level GREATER THAN 692 ft MSL OR River intake level LESS THAN 669.5 ft MSL	None	None	None	None	None	None	None
Fire or Explosion	None	None	HA2 FIRE or EXPLOSION Affecting the Operability of Plant Safety Systems Required to Establish or Maintain Safe Shutdown HA2.1 [ 1 2 3 4 5 6 DEF ] FIRE or EXPLOSION in any of the following areas (Table H-1): AND Affected system parameter indications show degraded performance or plant personnel report VISIBLE DAMAGE to permanent structures or equipment within the specified area HA3 Release of Toxic or Flammable Gases Within or Contiguous to a VITAL AREA Which Jeopardizes Operation of Systems Required to Maintain Safe Operations or Establish or Maintain Safe Shutdown HA3.1 [ 1 2 3 4 5 6 DEF ] Report or detection of toxic gases within or contiguous to Table H-1 areas in concentrations that may result in an atmosphere IMMEDIATELY DANGEROUS TO LIFE AND HEALTH (IDLH) HA3.2 [ 1 2 3 4 5 6 DEF ] Report or detection of gases in concentration GREATER THAN the LOWER FLAMMABILITY LIMIT within or contiguous to Table H-1 areas HA4 Confirmed Security Event in a Plant PROTECTED AREA HA4.1 [ 1 2 3 4 5 6 DEF ] INTRUSION into the plant PROTECTED AREA by a HOSTILE FORCE HA4.2 [ 1 2 3 4 5 6 DEF ] Security Shift Supervision reports ANY of the following: - SABOTAGE device discovered in the plant PROTECTED AREA - Standoff attack on the PROTECTED AREA by a HOSTILE FORCE (i.e., Sniper) - ANY security event of increasing severity that persists for > 30 min.: - Credible BOMB threats - HOSTAGE/EXTORTION - Suspicious FIRE or EXPLOSION - Significant Security System Hardware Failure - Loss of Guard Post Contact HA5 Control Room Evacuation Has Been Initiated HA5.1 [ 1 2 3 4 5 6 DEF ] Entry into (1)(2)(C)1, 3 AOP-1 Shutdown from Outside the Control Room or F-5 Appendix B Control Room Evacuation (Fire) for control room evacuation	HU2 FIRE within PROTECTED AREA boundary not Extinguished Within 15 Minutes of Detection HU2.1 [ 1 2 3 4 5 6 DEF ] FIRE in buildings or areas contiguous (in actual contact with or immediately adjacent) to any Table H-1 area not extinguished within 15 minutes of control room notification or verification of a control room alarm HU3 Release of Toxic or Flammable Gases Deemed Detrimental to Normal Operation of the Plant HU3.1 [ 1 2 3 4 5 6 DEF ] Report or detection of toxic or flammable gases that has or could alter the site area boundary in amounts that can affect NORMAL PLANT OPERATIONS HU3.2 [ 1 2 3 4 5 6 DEF ] Report by Local, County or State Officials for evacuation or sheltering of site personnel based on an offsite event HU4 Confirmed Security Event Which Indicates a Potential Degradation in the Level of Safety of the Plant HU4.1 [ 1 2 3 4 5 6 DEF ] Security Shift Supervision reports ANY of the following: - Suspected SABOTAGE device discovered within the plant PROTECTED AREA - Suspected SABOTAGE device discovered outside the PROTECTED AREA - Confirmed tampering with safety-related equipment - A HOSTAGE/EXTORTION situation that disrupts NORMAL PLANT OPERATIONS - CIVIL DISTURBANCE or STRIKE ACTION which disrupts NORMAL PLANT OPERATIONS - Internal disturbance that is not a short lived or that is not a harmless outburst involving ANY individuals within the PROTECTED AREA - Malevolent use of a vehicle outside the PROTECTED AREA which disrupts NORMAL PLANT OPERATIONS HU4.2 [ 1 2 3 4 5 6 DEF ] A credible site specific security threat notification	None	None	None	None	None	None	
Toxic and Flammable Gas	None	None	None	None	RCS Temp.	RCS Temp.	RCS Temp.	RCS Temp.			
Hazards	None	None	None	None	Comm.	Comm.	Comm.	Comm.			
Security	HG1 Security Event Resulting in Loss of Physical Control of the Facility HG1.1 [ 1 2 3 4 5 6 DEF ] A HOSTILE FORCE has taken control of plant equipment such that plant personnel are unable to operate equipment required to maintain safety functions as indicated by loss of physical control of EITHER: - A VITAL AREA such that operation of equipment required for safe shutdown is lost OR - Spent fuel pool cooling systems if imminent fuel damage is likely (e.g. freshly off-loaded reactor core in the pool) HG2 Other Conditions Existing Which in the Judgment of the Emergency Director Warrant Declaration of a General Emergency HG2.1 [ 1 2 3 4 5 6 DEF ] Other conditions exist which in the judgment of the Emergency Director indicate that events are in process or have occurred which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area	HS1 Confirmed Security Event in a Plant VITAL AREA HS1.1 [ 1 2 3 4 5 6 DEF ] INTRUSION into the plant VITAL AREA by a HOSTILE FORCE HS1.2 [ 1 2 3 4 5 6 DEF ] Security Shift Supervision reports ANY of the following: - A security event that results in the loss of control of ANY VITAL AREAS (other than Control Room) - Imminent loss of physical control of the facility (remote shutdown capability) due to a security event - A confirmed SABOTAGE device discovered in a VITAL AREA HS2 Control Room Evacuation Has Been Initiated and Plant Control Cannot Be Established HS2.1 [ 1 2 3 4 5 6 DEF ] Control room evacuation has been initiated AND Control of the plant cannot be established per (1)(2)(C)1,3 AOP-1, Shutdown from Outside the Control Room or F-5 Appendix B, Control Room Evacuation (Fire) within 15 minutes HS3 Other Conditions Existing Which in the Judgment of the Emergency Director Warrant Declaration of a Site Area Emergency HS3.1 [ 1 2 3 4 5 6 DEF ] Other conditions exist which in the judgment of the Emergency Director indicate that events are in process or have occurred which involve actual or likely potential substantial degradation of the level of safety of the plant. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels beyond the site boundary	HA4 Confirmed Security Event in a Plant PROTECTED AREA HA4.1 [ 1 2 3 4 5 6 DEF ] INTRUSION into the plant PROTECTED AREA by a HOSTILE FORCE HA4.2 [ 1 2 3 4 5 6 DEF ] Security Shift Supervision reports ANY of the following: - SABOTAGE device discovered in the plant PROTECTED AREA - Standoff attack on the PROTECTED AREA by a HOSTILE FORCE (i.e., Sniper) - ANY security event of increasing severity that persists for > 30 min.: - Credible BOMB threats - HOSTAGE/EXTORTION - Suspicious FIRE or EXPLOSION - Significant Security System Hardware Failure - Loss of Guard Post Contact HA5 Control Room Evacuation Has Been Initiated HA5.1 [ 1 2 3 4 5 6 DEF ] Entry into (1)(2)(C)1, 3 AOP-1 Shutdown from Outside the Control Room or F-5 Appendix B Control Room Evacuation (Fire) for control room evacuation	HU4 Confirmed Security Event Which Indicates a Potential Degradation in the Level of Safety of the Plant HU4.1 [ 1 2 3 4 5 6 DEF ] Security Shift Supervision reports ANY of the following: - Suspected SABOTAGE device discovered within the plant PROTECTED AREA - Suspected SABOTAGE device discovered outside the PROTECTED AREA - Confirmed tampering with safety-related equipment - A HOSTAGE/EXTORTION situation that disrupts NORMAL PLANT OPERATIONS - CIVIL DISTURBANCE or STRIKE ACTION which disrupts NORMAL PLANT OPERATIONS - Internal disturbance that is not a short lived or that is not a harmless outburst involving ANY individuals within the PROTECTED AREA - Malevolent use of a vehicle outside the PROTECTED AREA which disrupts NORMAL PLANT OPERATIONS HU4.2 [ 1 2 3 4 5 6 DEF ] A credible site specific security threat notification	None	None	None	None	None	None	
Control Room Evacuation	None	None	None	None	Fuel Clad Degradation	Fuel Clad Degradation	Fuel Clad Degradation	Fuel Clad Degradation			
Emergency Director Judgment	None	None	None	None	RCS Leakage	RCS Leakage	RCS Leakage	RCS Leakage			
	None	None	None	None	Inadvertent Criticality	Inadvertent Criticality	Inadvertent Criticality	Inadvertent Criticality			
	None	None	None	None	Cask Confine. Boundary	Cask Confine. Boundary	Cask Confine. Boundary	Cask Confine. Boundary			
	None	None	None	None	Security	Security	Security	Security			

Monitor	GE	SAE	Alert	UE
<b>Gaseous</b>				
(1) R-50 High Range Stack Gas Monitor	3300 mR/hr	330 mR/hr	N/A	N/A
(12) R-22* Shield Building Vent Rad Monitor	N/A	N/A	200 X Alarm*	2 X Alarm*
(1R-30* & 1R-37* Unit 1 Aux. Building Vent Rad Monitors	N/A	N/A	200 X Alarm*	2 X Alarm*
2R-30* & 2R-37* Unit 2 Aux. Building Vent Rad Monitors	N/A	N/A	200 X Alarm*	2 X Alarm*
R-34* Radwaste Building Vent Rad Monitor	N/A	N/A	200 X Alarm*	2 X Alarm*
R-25* & R-31* Spent Fuel Pool Vent Rad Monitors	N/A	N/A	200 X Alarm*	2 X Alarm*
<b>Liquid</b>				
R-18* Waste Effluent Liquid Monitor	N/A	N/A	200 X Alarm*	2 X Alarm*
R-19* SG Blowdown Radiation Monitor	N/A	N/A	200 X Alarm*	2 X Alarm*
R-21* Circ Water Discharge Monitor	N/A	N/A	200 X Alarm*	2 X Alarm*

  

Area	HU1.0*	HU2.0*	HA1.2	HA1.3	HA1.4	HA1.5	HA2.1	HA3.1*	HA3.2*	RA3.2
- Shield/Containment Building	X	X	X	X	X	X	X	X	X	X
- Auxiliary Building	X	X	X	X	X	X	X	X	X	X
- DS/DR Diesel Generator Building	X	X	X	X	X	X	X	X	X	X
- Plant Screenhouse	X	X	X	X	X	X	X	X	X	X
- Control Room/Relay Room	X	X	X	X	X	X	X	X	X	X
- Turbine Building	X	X	X	X	X	X	X	X	X	X
- Condensate Storage Tanks	X	X	X	X	X	X	X	X	X	X

  

- Sound Powered Phones
- Plant Paging System
- Plant Telephone Network

  

- Plant Telephone Network
- Plant Radio System (dedicated offsite channels)
- EMS Network

Modes: 1 Power Operation, 2 Startup, 3 Hot Standby (≥ 350°F), 4 Hot Shutdown (350°F > Tavg > 200°F), 5 Cold Shutdown (≤ 200°F), 6 Refueling, DEF Defueled

Prints Island Nuclear Generating Plant  
Emergency Action Level Matrix  
PINGP 1574, Rev. Draft D Retention: Life of Plant Doc. Type: 1.643

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

COLD CONDITIONS (RCS ≤ 200°F)

D-01