

2.50 Series

Emergency Plan

(FSAR Section 12.5)

7-9-82

NUMBER	TITLE	CURRENT REVISION							
		#	DATE	#	DATE	#	DATE	#	DATE
2.50.0	Declaration & Categorization of Emer. Cond.	1	3/81	2	9/81	3	6/82		
2.50.1	Notification of Unusual Event	1	3/81	2	9/81				
2.50.2	Alert	1	3/81	2	9/81				
2.50.3	Site Area Emergency	1	3/81	2	9/81				
2.50.4	General Emergency	1	3/81	2	9/81				
2.50.5	Emergency Plan Training and Exercise	0	3/81						
2.50.6	Emergency Equipment Readiness Check	12	1/81	13	4/81	14	9/81	15	1/82
2.50.7	Emergency On-Site Radiation Monitoring Procedure	0	3/81	1	9/81				
2.50.8	Medical Emergency Plan	0	3/81						
2.50.9	Security Force Radiation Emergency Plan	0	3/81	1	9/81				
2.50.10	Evaluation of Radiological Data	1	3/81	2	9/81				
2.50.11	Plant Entry and Recovery Plan	4	6/80						
2.50.12	Emergency Off-Site Radiation Monitoring Proc.	0	3/81						
2.50.14	Emergency Radiation Exposure Control	0	3/81	1	9/81				
2.50.15	Release of Public Information	0	3/81						
2.50.16	Off-Site Protective Action Recommendations	0	3/81						
2.50.17	Emergency Notification	0	3/81	1	9/81	2	9/81	3	9/81

8208040319 820709
PDR ADOCK 05000309
F PDR

Dept. Head	<u>WA</u>	Proc. No.	<u>2.50.0</u>
Plt. Mgr.	<u>ECH</u>	Class.	<u>A</u>
PORC	<u>WA</u>	Rev. No.	<u>3</u>
Mgr. of Ops.	<u>WA</u>	Issue Date	<u>6-25-82</u>
		Review Date	<u>6-25-84</u>

2.50.0 DECLARATION AND CATEGORIZATION OF EMERGENCY CONDITION

1.0 DISCUSSION

Emergency conditons may exist or develop which require implementation of the emergency plan.

This procedure is used to determine whether such conditions exist and if so which of the emergency condition classifications (Unusual Event, Alert, Site Area, General) to assign. It also governs reclassification should conditions necessitate such a step, and the declaration of termination of the emergency condition.

Declaration, classification, and reclassification of emergency conditions is the responsibility of the Emergency Coordinator. The Plant Shift Superintendent is the Emergency Coordinator until relieved by a qualified individual.

When an emergency condition has been brought under control and plant conditions have stabilized to the satisfaction of the Plant Shift Superintendent, Shift Technical Advisor, and Emergency Coordinator, the Emergency Coordinator may declare the emergency condition terminated.

2.0 OBJECTIVE

To specify the condition under which an emergency condition is declared and the process by which the emergency is classified.

3.0 REFERENCES

3.1 10 CFR 50.47, 10 CFR 50.54, and 10 CFR 50, Appendix E.

3.2 Maine Yankee Atomic Power Station Facility Emergency Plan.

4.0 PRECAUTIONS

Declaration and classification of an emergency condition is a crucial step in bringing about emergency responses of company and government personnel. Reclassification of emergency conditions, particularly from a lower to a higher category is also of crucial importance.

Declaration and classification of an emergency condition, and reclassification and declaration of a revised emergency condition must be accomplished within 15 minutes of the discovery that an emergency action level has been reached.

5.0 PREREQUISITES

5.1 The Emergency Coordinator has recognized or been advised that a condition exists which may constitute an emergency condition,

OR

5.2 The Plant Manager or his designated alternate has ordered an emergency condition declared.

6.0 DEFINITIONS

6.1 Unusual Event - A potential degradation of the level of safety of the plant constitutes an unusual event. Incidents which have no public safety significance but which would attract public attention (e.g., noise nuisance) may be treated as unusual events for notification of offsite authorities.

R 6.2 Alert - An actual or potential substantial degradation of the level of safety of the plant or failure of critical safety functions that are not called upon to function constitutes an alert event.

6.3 Site Area Emergency - Actual or likely major failures of critical plant safety functions needed for protection of the public constitute a site area emergency. (This classification would be assigned even though the affected plant function may not be required at the time).

6.4 General Emergency - Actual or imminent substantial core degradation or melting with potential for loss of containment integrity constitutes a general emergency.

7.0 PROCEDURE

R 7.1 Refer to Figure 2.50.0-1, "Emergency Condition Classification Table". (This 3 ft. by 5 ft. version of the Emergency Action Levels is located in the Control Room, the T.S.C. and the E.O.F.).

R NOTE: The tables of action levels in this procedure should be used for study purpose only. During emergency conditions the wall size table 2.50.0-1 should be used as it provides a more comprehensive viewing of all the action level possibilities.

7.2 Locate the appropriate "event in progress" in the left hand column of Figure 2.50.0-1. More than one "event in progress" may exist.

7.3 Working from left to right (in ascending severity of emergency condition) examine the emergency action levels associated with the "event(s) in progress" for each emergency condition. Determine which EAL's have been reached, and note the severest emergency condition for which an EAL has been reached.

- 7.4 Examine all EAL's associated with the severest emergency condition noted in Step 7.3. Note any others which have been reached.
- 7.5 Scan all EAL's associated with emergency conditions more severe than the severest identified in Step 7.3. Note any which have been reached, and note the associated emergency condition.
- 7.6 Categorize the emergency condition as the most severe identified in Step 7.3, 7.4 and 7.5, and declare this emergency condition.
- 7.7 Implement Procedure 2.50.17, "Emergency Notification" for the emergency condition declared in Step 7.6.
- 7.8 Repeat Steps 7.1 through 7.6 periodically and as plant conditions change, to provide a check that the declared emergency condition remains appropriate. If it is determined that the declared emergency condition should be revised, repeat Step 7.7. Step 7.7 should also be performed when the emergency is declared to be terminated.

8.0 ADDITIONAL REQUIREMENTS

- 8.1 The Emergency Coordinator may classify an emergency condition based on the definition of the condition indicated in Figure 2.50.0-1 when time is of the essence, when there is uncertainty as to whether EAL's have been reached, or when the list of EAL's or measurables/observables appears not to deal directly with existing conditions.
- 8.1 When an emergency condition has been declared and classified, Procedure 2.50.1, 2.50.2, 2.50.3, or 2.50.4 should be initiated according to the classification assigned to the emergency condition.

9.0 FINAL CONDITIONS

Plant conditions indicative of the possible existence of a plant emergency condition have been recognized and evaluated. An emergency condition has been declared, classified, reclassified as necessary, and declared terminated.

ATTACHMENT A
"Classification Table"

<u>Page No.</u>		<u>Unusual Event</u>	<u>Alert</u>	<u>Site Area</u>	<u>General</u>
5	Radioactive Releases to the Environment	*	*	*	*
6	Reactor Coolant System Leakage and/or Rupture	*	*	*	*
7	Fuel Cladding Degradation	*	*	-	-
8	Loss of Electric Power System	*	*	*	-
9	Steam Line Rupture	*	*	*	*
10	Loss of Feedwater	*	*	*	-
11	Degraded Protective Systems	*	*	*	*
12	Fire Emergencies	*	*	*	-
13	Security Emergencies	*	*	*	*
14	Natural Phenomena which could/will effect the Plant	*	*	*	-
15	Plant Operational Incident - ECCS initiation	*	*	-	-
16	Events which result in Reactor Coolant System Parameter Abnormalities	*	-	-	-
17	Miscellaneous Events				
	1. Spent Fuel Pool Accident	-	-	*	-
	2. Evacuation of Control Room	-	-	*	-
	3. Transportation of contaminated individual to offsite medical facility	*	-	-	-
	4. Chemical Spill	*	-	-	-
	5. Rad-waste Transportation Accident	*	-	-	-
	6. Aircraft Crash-onsite	*	-	-	-
	7. Noise Problem	*	-	-	-

General Emergency
Action Levels

Radioactive Releases to the Environment
Alert Emergency
Action Levels

Radioactive Releases to the Environment
Alert Emergency
Action Levels

Unusual Event Emergency
Action Levels

Emergency Action Levels

Primary vent stack monitor radiation level unexplained increase by a factor of 100.

Measurable/Observable Indication

100 x most recent RMS check recorded value.

Emergency Action Levels

Primary vent stack monitor radiation level unexplained increase by a factor of 1,000 and above 500,000 qpm or measurable offsite at greater than 2.0 mr/hr.

Measurable/Observable Indication

Primary vent stack monitor reading 1,000x most recent RMS check value and greater than 500,000 qpm or offsite dose measurements or projection greater than 2 mr/hr at site boundary.

Emergency Action Levels

1. Unexplained and confirmed stack monitor reading off scale high.

Measurable/Observable Indication

1. RI 3902V reading off scale high (Scale reads to 10⁶ qpm).

Emergency Action Levels

2. Any operational incident resulting in site boundary radiation levels of 50 mr/hr or more expected to persist for 1/2 hours or more or 500 mr/hr or more expected to persist for 3 minutes or more.

Measurable/Observable Indication

2. Site boundary radiation levels measured and reported by monitoring teams of 50 mr/hr or more expected to persist longer than 1/2 hour or 500 mr/hr or more expected to last more than 2 minutes, or equivalent dose projections obtained by application of offsite dose projection methods of 2-50.10.

Emergency Action Levels

Effluent monitors detect levels corresponding to 1 R/hr whole body exposure at the site boundary under actual meteorological conditions.

Measurable/Observable Indication

Site boundary radiation levels measured and reported by monitoring teams of 1 R/hr or equivalent dose projections obtained using plant vent stack monitor readings in conjunction with the offsite dose projection methods of 2-50.10.

Reactor Coolant Leakage and/or Rupture

Unusual Event Emergency Action Levels	Alert Emergency Action Levels	Site Area Emergency Action Levels	General Emergency Action Levels
<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>
1. Reactor Coolant System Leakage: To containment in excess of 10 gpm.	1. Reactor Coolant System Rupture: To containment in excess of 100 gpm	1. Reactor Coolant System rupture into containment (in excess of HPSI capability to restore pressurizer level within ten minutes or contain- ment pressure above 20 psf).	1. Loss of Reactor Coolant and Failure of Containment Spray Injection (failure to control containment pressure.
<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>
1. RCS leak rate determination Indicates over 10 gpm and containment dew point temperature Indication Increase of 10°F over most recently	1. Containment low range monitor reading 100x most recent RMS check value, and RCS leak rate 100 gpm.	1. LOCA in containment and inability to refill pressurizer of CSAS actuation.	1. LOCA and containment spray system A and B trains inoperable in injection phase, or containment pressure 45 psig or higher
logged value from containment weight of air test, also containment sump high level alarm and sump pumpdown at intervals of four minutes or less.			
<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>
2. Reactor Coolant System Leakage: To steam generator in excess of 20gpm	2. Reactor Coolant System Rupture: To steam generator in excess of 100 gpm	2. Reactor Coolant System rupture into Steam Generator and inability to secure steam release to atmosphere within 30 minutes.	2. Loss of Reactor Coolant and Failure of LPSI during ECCS Injection (failure to reflood).
<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>
2. SIAS or inability to hold pressurizer level with CVCS and air ejector or steam generator blowdown radiation monitor Indication between 100x and 1000x most recent RMS check values.	2. Air ejector or steam generator blowdown radiation monitor reading greater than 1000x most recent RMS check value and RCS leak rate greater than 100 gpm.	2. Steam generator tube rupture and inability to isolate secondary side of affected steam generator and depressurize to below 985 psig.	2. LOCA and LPSI A and B trains inoperable during Injection phase.

Reactor Coolant Leakage and/or Rupture

Unusual Event Emergency
Action Levels

Alert Emergency
Action Levels

Site Area Emergency
Action Levels

General Emergency
Action Levels

Emergency Action Levels

3. Reactor Coolant System Leakage:
To uncontained systems or unexplained
in excess of 10 gpm.

Measurable/Observable Indication

3. Stack monitors indicate greater
than 100x most recent RMS check value
followed by RCS leak rate determina-
tion indicating 10 gpm uncontained
or unexplained

Emergency Action Levels

3. Reactor Coolant System Rupture:
to uncontained systems or unexplained
in excess of 100 gpm.

Measurable/Observable Indication

3. Stack monitor reading 1000x most
recent RMS check value and RCS leak
rate greater than 100 gpm.

Emergency Action Levels

3. Loss of Reactor Coolant
and Failure of HPSI following
loss of coolant (failure to
provide adequate overpressure
for core to secondary side heat
transport).

Measurable/Observable Indication

3. LOCA and HPSI A and B
trains inoperable in injection
phase.

Emergency Action Levels

4. Loss of Reactor Coolant and
failure of HPSI during
recirculation phase following
major loss of coolant (failure
to keep core covered or to
prevent boron precipitation).

Measurable/Observable Indication

4. LOCA and HPSI A and B
trains inoperable during
recirculation phase, or
containment high range monitor
10⁶ R/hr or greater.

Reactor Coolant Leakage and/or RuptureUnusual Event Emergency
Action LevelsAlert Emergency
Action LevelsSite Area Emergency
Action LevelsGeneral Emergency
Action LevelsEmergency Action Levels5. Loss of Reactor Coolant and
Failure of Heat transfer for
ultimate heat sink.Measurable/Observable Indication5. LOCA and failure of PCC and
SCC or service water system.Emergency Action Levels6. Loss of Reactor Coolant and
Failure of Containment spray
recirculation (failure to
control containment pressure and
sup temperature, failure of
HPSI suction supply).Measurable/Observable Indication6. LOCA and containment spray A
and B trains inoperable during
recirculation phase.Emergency Action Levels7. Loss of Reactor Coolant and
offsite and emergency power
(less than minimum safeguards
operable).Measurable/Observable Indication7. LOCA and zero voltage on
buses 1, 2, 3, 4, 5, 6.

Fuel Cladding DegradationUnusual Event Emergency
Action LevelsAlert Emergency
Action LevelsSite Area Emergency
Action LevelsGeneral Emergency
Action LevelsEmergency Action Levels

1. Letdown monitor radiation level unexplained increase by factor of 100 for more than 10 minutes.

Measurable/Observable Indication

1. Letdown monitor 100x most recent RMS check value for 10 minutes.

Emergency Action Levels

1. Major degradation of fuel cladding.

Measurable/Observable Indication

1. Reactor coolant iodine sample results 100x most recent sample and above 500 microcuries/cc persisting for more than 30 minutes.

Emergency Action Levels

2. Primary coolant sample indicates coolant iodine level increase by a factor of 100.

Measurable/Observable Indication

2. Primary coolant sample analysis indicates greater than 100x last known value.

Loss of Electric Power SystemsUnusual Event Emergency
Action LevelsAlert Emergency
Action LevelsSite Area Emergency
Action LevelsGeneral Emergency
Action LevelsEmergency Action Levels

1. Complete loss of power availability to A or B safety.

Measurable/Observable Indication

1. Zero voltage on buses 5 and 6 volt meters.

Emergency Action Levels

Loss of all onsite, offsite power and DC power.

Measurable/Observable Indication

Zero voltage on buses 1, 2, 3, 4, 5, 6.

Emergency Action Levels

Loss of onsite, offsite and DC power for more than 20 minutes.

Measurable/Observable Indication

Zero voltage on buses 1, 2, 3, 4, 5, 6 and instrument buses lasting more than 20 minutes.

Emergency Action Levels

2. Loss of both 11^{kv} lines for 10 minutes.

Measurable/Observable Indication

2. Zero voltage on 11kv sections 69 and 207kv meter.

Emergency Action Levels

3. Loss of both diesels

Measurable/Observable Indication

3. DG 1A and DG 1B inoperable and "Disabling condition alarm" MCB

Steam Line RuptureUnusual Event Emergency
Action LevelsAlert Emergency
Action LevelsSite Area Emergency
Action LevelsGeneral Emergency
Action LevelsEmergency Action Levels

Steam line break requiring plant area evacuation for non-radiological reasons or appreciable visible steam or noise from an offsite location

Measurable/Observable Indication

Notification by security force, plant staff, or others.

Emergency Action Levels

1. Steam line rupture increasing containment pressure to more than 20 psf.

Measurable/Observable Indication

1. Steam line rupture inside containment and CSAS.

Emergency Action Levels

2. Major steam line rupture to atmosphere and blowdown or air ejector monitor activity level increase by a factor of 100.

Measurable/Observable Indication

2. Steam line rupture resulting in SIAS and steam generator blowdown or air ejector radiation monitor indications 100x most recent RMS check value.

Loss of Feedwater

Unusual Event Emergency Action Levels	Alert Emergency Action Levels	Site Area Emergency Action Levels	General Emergency Action Levels
<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>
1. Loss of all emergency feedwater capability.	Complete loss of steam generator feed capability.	Loss of all feedwater capability and Steam Generator levels below 150 inches wide range.	Loss of all feedwater capability and steam generator levels below 150 inches wide range and loss of subcooling margin.
1 <u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>
1. Emergency feedwater system inoperable.	Main and emergency feedwater systems inoperable.	Main and emergency feedwater systems inoperable and all steam generator levels below 150 inches wide range.	Main and emergency feedwater systems inoperable and all steam generator levels below 150 inches wide range and Incore thermocouple exceed 660°F.
<u>Emergency Action Levels</u>			
2. Loss of all but one feedwater pump.			
<u>Measurable/Observable Indication</u>			
2. Only one of P25A, P25B, P25C, P2A, P2B operable.			
<u>Emergency Action Levels</u>			
3. Abnormal system condition for more than 10 minutes - Steam generators low level or below.			
<u>Measurable/Observable Indication</u>			
3. MCB wide range steam generator level indications.			

Degraded Protective SystemsUnusual Event Emergency
Action LevelsAlert Emergency
Action LevelsSite Area Emergency
Action LevelsGeneral Emergency
Action LevelsEmergency Action Levels

1. Loss of all HPSI capability.

Emergency Action Levels

- Complete loss of ECCS capability.

Emergency Action Levels

- Loss of all reactor makeup capability and pressurizer level below 10%

Emergency Action Levels

- Transient or accident other than LOCA and either failure to shut plant down or failure to adequately cool core after shutdown.

Measurable/Observable Indication

1. HPSI trains A & B inoperable.

Measurable/Observable Indication

- HPSI, LPSI, CSAS functions operable.

Measurable/Observable Indication

- Inability to add water to the RCS and pressurizer level below 10% narrow range.

Measurable/Observable Indication

- Non LOCA transient or accident and failure to achieve reactor shutdown. Also, inadequate core cooling following shutdown.

Emergency Action Levels

2. Loss of all LPSI capability.

Measurable/Observable Indication

2. LPSI trains A & B inoperable

Emergency Action Levels

3. Loss of all Containment Spray.

Measurable/Observable Indication

3. Containment Spray trains A & B inoperable.

Degraded Protective System

Unusual Event Emergency
Action Levels

Alert Emergency
Action Levels

Site Area Emergency
Action Levels

General Emergency
Action Levels

Emergency Action Levels

4. Loss of all Component Cooling.

Measurable/Observable Indication

4. Primary and Secondary component
cooling systems inoperable.

Emergency Action Levels

5. Loss of all Service Water

Measurable/Observable Indication

5. Service water system inoperable

Emergency Action Levels

6. Loss of Containment Integrity.

Measurable/Observable Indication

6. Containment weight of air alarm
verified, leak rate 5 x tech spec limit.

Degraded Protective SystemsUnusual Event Emergency
Action LevelsAlert Emergency
Action LevelsSite Area Emergency
Action LevelsGeneral Emergency
Action LevelsEmergency Action Levels

7. Loss of auto SIAS, CIS or plant trip capability

Measurable/Observable Indication

7. Loss of SIAS, CIS control power alarm, failure of RPS, reactor trip system, or turbine trip system, or failure of reactor or turbine shutdown systems.

Emergency Action Levels

8. Loss of all fire protection pumps.

Measurable/Observable Indication

8. P4 and P5 inoperable.

Emergency Action Levels

9. Loss of fire main (unable to sustain pressure).

Measurable/Observable Indication

9. P4 and P5 auto start alarm for unexplained reason.

Fire EmergenciesUnusual Event Emergency
Action LevelsAlert Emergency
Action LevelsSite Area Emergency
Action LevelsGeneral Emergency
Action LevelsEmergency Action Levels

1. Near or onsite explosion or major fire.

Measurable/Observable Indication

1. Notification by security force, plant staff, or other sources.

Emergency Action Levels

1. Major onsite explosion affecting safety systems.

Measurable/Observable Indication

1. Notification by security force, fire brigade, or others, or observed.

Emergency Action Levels

1. Fire, explosion or other major accident that has resulted in loss of operational control of any key plant functions for more than 10 minutes.

Measurable/Observable Indication

1. Notification by security force, fire brigade, or others and inability to achieve or maintain the plant at hot shutdown conditions or below.

Emergency Action Levels

2. Fire lasting more than ten minutes or in appreciable visible smoke from an offsite location.

Measurable/Observable Indication

2. Notification by fire brigade.

Security Emergencies

Unusual Event Emergency Action Levels	Alert Emergency Action Levels	Site Area Emergency Action Levels	General Emergency Action Levels
<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>	<u>Emergency Action Levels</u>
Security alert (see Maine Yankee Security Plan).	Security attack by armed intruders.	Armed security intruder con- firmed have entered plant perimeter and threatening vital areas.	Armed attack on security vital area(s) of plant or hostages taken on site.
<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>	<u>Measurable/Observable Indication</u>
Notification by security force	Notification by security force	Notification by security force	Notification by security force.

Natural Phenomena Which Could/Will Affect the PlantUnusual Event Emergency
Action LevelsAlert Emergency
Action LevelsSite Area Emergency
Action LevelsGeneral Emergency
Action LevelsEmergency Action Levels

Earthquakes, tornado, flood or other natural phenomenon that could impact upon plant operations.

Measurable/Observable Indication

Notification by security force, plant staff, or others

Emergency Action Levels

Earthquake, tornado, flood or other natural phenomenon that has impacted upon plant operations and threatens to disable plant safety systems.

Measurable/Observable Indication

Natural phenomenon followed by erratic or abnormal performance of plant systems required to achieve or maintain the plant at hot shutdown conditions or below.

Emergency Action Levels

Earthquake, tornado, flood or other natural phenomena that has disabled plant safety systems and resulted in loss of operational control of a key plant function for more than 10 minutes

Measurable/Observable Indication

Natural phenomenon followed by or causing loss of operational control of plant systems required to achieve or maintain the plant at hot shutdown conditions or below for more than 10 minutes.

Plant Operational Incident - ECCS InitiationUnusual Event Emergency
Action LevelsAlert Emergency
Action LevelsSite Area Emergency
Action LevelsGeneral Emergency
Action LevelsEmergency Action LevelsAuto ECCS Initiation. (not
identified as inadvertent).Emergency Action LevelsAuto Initiation of ECCS and
failure to restore pressurizer level
within 20 minutesMeasurable/Observable Indication

SIAS automatic actuation

Measurable/Operable IndicationSIAS and inability to satisfy HPSI
termination criteria within 20 minutes

Events Which Result in Reactor Coolant System Parameter Abnormalities

General Emergency
Action Levels

Site Area Emergency
Action Levels

Alert Emergency
Action Levels

Unusual Event Emergency
Action Levels

Emergency Action Levels

1. Reactor coolant Hot Leg temperature greater than 625°F for more than 10 minutes.

Measurable/Observable Indication

1. HCB reactor coolant temperature Indications.

Emergency Action Levels

2. Incore thermocouple temperatures greater than 660°F for more than 10 minutes.

Measurable/Observable Indication

2. Computer thermocouple maps or point 10 Indications.

Emergency Action Levels

3. Reactor coolant pressure greater than 2500 psi or less than 1600 psi for more than 10 minutes.

Measurable/Observable Indication

3. HCB reactor coolant system pressure Indications.

Events Which Result In Reactor Coolant System Parameter Abnormalities

Unusual Event Emergency
Action Levels

Alert Emergency
Action Levels

Site Area Emergency
Action Levels

General Emergency
Action Levels

Emergency Action Levels

4. Loss of pressurizer level below
minimum indication for more than
10 minutes.

Measurable/Observable Indication

4. MCB wide range pressurizer level
indication.

Miscellaneous EventsUnusual Event Emergency
Action LevelsAlert Emergency
Action LevelsSite Area Emergency
Action LevelsGeneral Emergency
Action LevelsEmergency Action Levels

1. Transient causing steam generator safety valves or turbine relief valves to blow (noise problem).

Measurable/Observable Indication

1. Steam generator secondary side pressure greater than 985 psig or crossunder piping pressure greater than 222 or notification by security force, plant staff, or others.

Emergency Action Levels

2. Transport of a contaminated individual to an offsite medical facility.

Measurable/Observable Indication

2. Ordered by the Plant Shift Superintendent

Emergency Action Levels

3. Aircraft crash or other major accident adjacent to or onto plant property.

Measurable/Observable Indication

3. Notification by security force or others.

Emergency Action Levels

1. Rupture of spent fuel pool and inability to maintain water level ft. above top of racks.

Measurable/Observable Indication

1. Low level alarm and/or report of fuel pool low level or unexplained spent fuel pool area monitor 1000X most recent RMS check value.

Emergency Action Levels

2. Any operational incident that renders the Control Room uninhabitable for more than 10 minutes

Measurable/Observable Indication

2. N/A

Miscellaneous

Unusual Event Emergency
Action Levels

Alert Emergency
Action Levels

Site Area Emergency
Action Levels

General Emergency
Action Levels

Emergency Action Levels

4. Major accident involving transportation or unloading of toxic chemicals or flammable volatile gases or liquids.

Measurable/Observable Indication

4. Notification by security force, plant staff, or other sources.

Emergency Action Levels

5. Transportation accident in Maine involving plant generated nuclear wastes.

Measurable/Observable Indication

5. Notification by any source.
