ATTACHMENT 1

SAN ONOFRE NUCLEAR GENERATING STATION

UNIT 1, 2 AND 3

EMERGENCY PROCEDURES

INDEX

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SONGS

Unit 1, 2, and 3

EMERGENCY PREPAREDNESS

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ATTACHMENT 2

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RECOGNITION AND CLASSIFICATION OF EMERGENCIES

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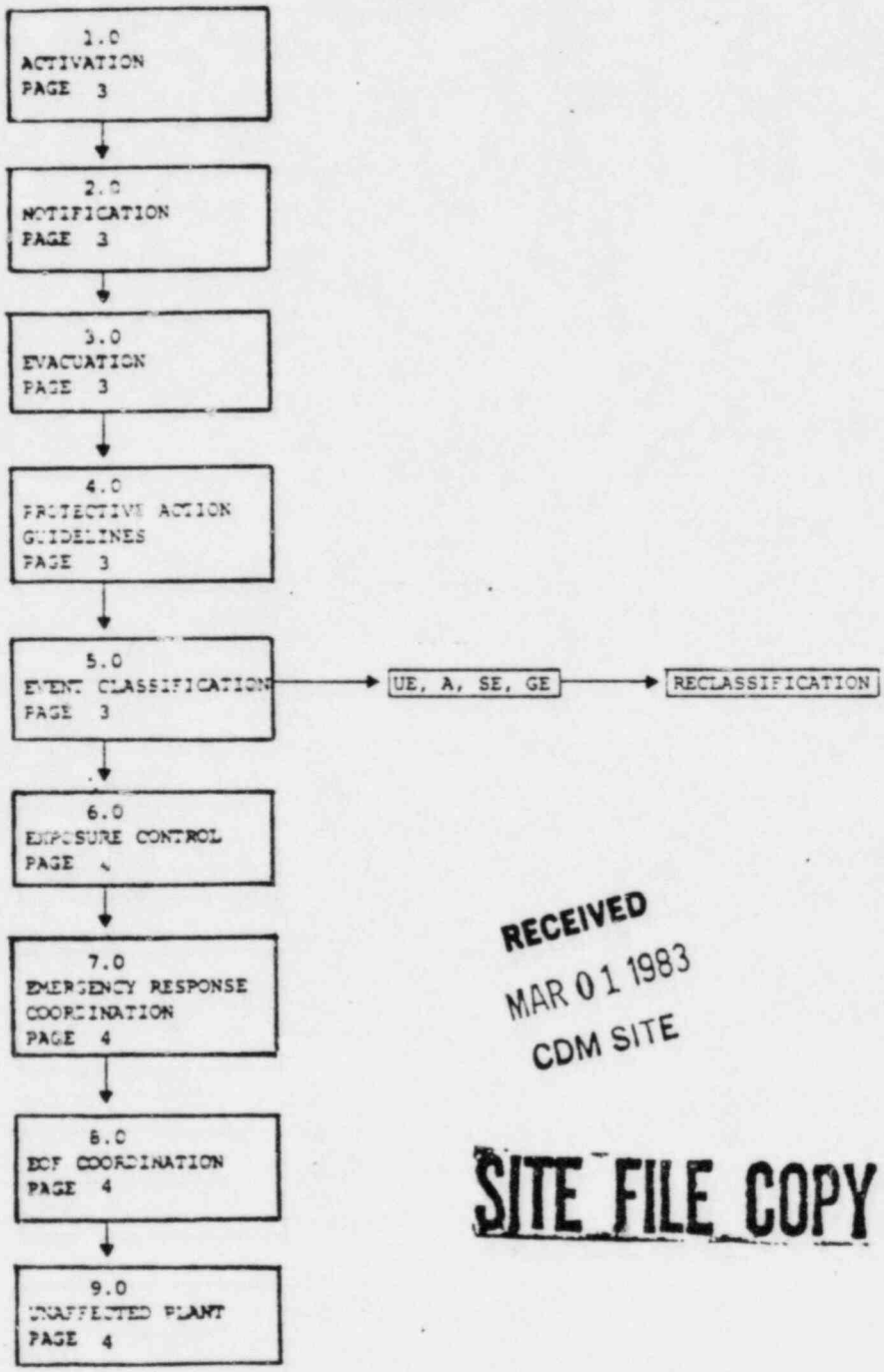

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PREPARED BY: D D Bennette 2-23-83
PROCEDURE WRITER DATE

APPROVED BY: Dennis P. McCloskey
D. P. MC CLOSKEY DATE
MANAGER, STATION
EMERGENCY PREPAREDNESS

RECOGNITION AND CLASSIFICATION OF EMERGENCIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: SHIFT SUPERVISOR

2. EMERGENCY RECALL: EMERGENCY COORDINATOR

B. OBJECTIVE

1. Provide direction for the Shift Supervisor/Emergency Coordinator and designated Emergency Response Team Leaders in classifying an offnormal event as an Emergency Action Level (Unusual Event, Alert, Site Emergency and General Emergency).

C. PRECAUTIONS

1. EVENT RECLASSIFICATION

AS plant/emergency conditions change:

REVIEW Section 5.0 of this EPIP as frequently as possible during each Emergency Action Level to ensure timely event reclassification.

2. PRECAUTIONARY EVENT DECLARATION

EVALUATE plant conditions to identify:

Events which, in combination with other related occurrences, constitute a significant trend leading to a degradation of safety.

Trends indicating an imminent mode change which would activate an EAL (Emergency Action Level).

IF these conditions exist:

CONSIDER declaring an Emergency Event as a precautionary measure based on TABS G1-G4.

D. ATTACHMENTS

1. CLASSIFICATION MATRIX

2. LOSS OF RCS INVENTORY INSTRUMENTS

3. UNIT 1 SAFETY SYSTEMS

1.0 ACTIVATION

1.1 RECOGNITION

WITHIN 15 minutes of recognition of an off normal event:

MAKE all reasonable efforts to verify and declare the appropriate emergency event.

2.0 NOTIFICATION: NO SUPPORT REQUIRED

3.0 EVACUATION: NO SUPPORT REQUIRED

4.0 PROTECTIVE ACTION GUIDELINES: NO SUPPORT REQUIRED

5.0 EVENT CLASSIFICATION

5.1 TIME REQUIREMENTS

WITHIN 15 minutes of recognition of an off normal event:

MAKE all reasonable efforts to verify and declare the appropriate Emergency Event.

CAUTION
=======
IF, following recognition of an off normal event, emergency conditions are corrected prior to verification of exceeding an EAL:

CONSULT the Station Manager or his designated alternate to determine if an Emergency Event should be declared.

5.2 EVENT CATEGORY

DETERMINE from the list below which category classifies the emergency conditions:

TABS A1 -A4 = Uncontrolled Release of Radioactivity
TABS B1 -B4 = Loss of RCS Inventory
TABS C1 -C4 = DNB/Degraded Core Sequence
TABS D1 -D4 = Loss of Safety Functions
TABS E1 -E4 = Catastrophes
TABS F1 -F4 = Security Compromise
TABS G1 -G4 = Miscellaneous

5.3 EMERGENCY ACTION LEVEL (EAL)

DETERMINE the second character (a number, 1 through 4) of the Emergency Event Code that represents the level of emergency classification (Emergency Action Level - EAL).

1 = UNUSUAL EVENT
2 = ALERT
3 = SITE EMERGENCY
4 = GENERAL EMERGENCY

5.4 FINAL EVENT CODE

DETERMINE the final three character alpha-numeric Emergency Event code as follows:

MATCH the emergency conditions in one of the 4 TABS for the event category selected in step 5.2.

CAUTION
IF questions concerning classification exist:

DIRECT the Shift Communicator to contact the Emergency Planning Coordinator (See Station Emergency Recall List) and Plant Superintendent for discussion of the Emergency conditions.

5.5 EVENT DECLARATION

5.5.1 ANNOUNCEMENT

MAKE the following announcement to Control Room/ TSC personnel:

THIS IS _____ AND I AM DECLARING

A (AN)
UNUSUAL EVENT/ALERT/SITE EMERGENCY/GENERAL EMERGENCY
(Circle one)

DATE _____ TIME _____ INITIALS _____

5.6 PROCEDURE IMPLEMENTATION

IMPLEMENT EPIP SO123-VIII-10, "EMERGENCY COORDINATOR DUTIES".

6.0 EXPOSURE CONTROL: NO SUPPORT REQUIRED

7.0 EMERGENCY RESPONSE COORDINATION: NO SUPPORT REQUIRED

8.0 EOF COORDINATION: NO SUPPORT REQUIRED

9.0 UNAFFECTED PLANT: NO SUPPORT REQUIRED

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UNCONTROLLED RELEASE OF RADIOACTIVITY

UNUSUAL EVENT

TAB A1

1. For Modes 1-6:
Any of the below listed process and effluent monitors meeting the following conditions:

   (a) A valid Hi Alarm
   AND
   (b) Radiological Effluent Technical Specifications tabulated below are exceeded
   AND
   (c) The release path is not isolated.

MONITOR	DESCRIPTION	TECHNICAL SPECIFICATION
R-1214	Stack Gas Monitor	2E5 CPM
	OR	
R-1223	Stack Gas Monitor	5E4 uCi/sec

2. For Modes 1-6:
Any of the below listed process and effluent monitors meeting the following conditions:

   (a) A valid Hi Alarm
   AND
   (b) Radiological Effluent Technical Specifications exceeded
   AND
   (c) The release path is not isolated.

MONITOR	DESCRIPTION	TECHNICAL SPECIFICATION
R-1218	Radioactive Waste System Liquid Effluent	1E6 CPM

UNCONTROLLED RELEASE OF RADIOACTIVITY

ALERT

TAB A2

1. For Modes 1-6:
Any of the below listed process and effluent monitors meeting the following conditions:

   (a) A valid Hi Alarm
   AND
   (b) A valid sample exceeding 10 times the Radiological Effluent Technical Specifications tabulated below
   AND
   (c) The release path is not isolated.

MONITOR	DESCRIPTION	10 TIMES TECHNICAL SPECIFICATION
R-1214	Stack Gas Monitor	2E6 CPM
	OR	
R-1223	Stack Gas Monitor	5E5 uCi/sec

2. For Modes 1-6:
Any of the below listed process and effluent monitors meeting the following conditions:

   (a) A valid Hi Alarm
   AND
   (b) A valid sample exceeding 10 times the radiological Effluent Technical Specifications tabulated below
   AND
   (c) The release path is not isolated.

MONITOR	DESCRIPTION	10 TIMES TECHNICAL SPECIFICATION
R-1218	Radioactive Waste System Liquid Effluent	1E7 CPM (By Sample)

UNCONTROLLED RELEASE OF RADIOACTIVITY

ALERT

TAB A2

3. For Modes 1-6:
A valid unexpected area radiation monitor alarm as listed below
AND
A valid unexpected area monitor reading as listed below, or if full scale, verified field survey readings at the monitor location as listed below:

MONITOR	DESCRIPTION	READING 1000 X NORMAL
R-1231	Control Room High Radiation	>1 R/hr
	OR	
R-1232	Containment Sphere High Radiation	>500 R/hr
	OR	
R-1233	Radio-Chem. Lab High Radiation	>5 R/hr
	OR	
R-1234	Reactor Auxiliary Building High Radiation	>20 R/hr
	OR	
R-1235	Sampling Room High Radiation	>20 R/hr
	OR	
R-1236	Spent Fuel Building High Radiation	>25 R/hr
	OR	
R-1237	Cryogenic System Building High Radiation	>2 R/hr

4. For Modes 1-6:
Any unanticipated plant area iodine or particulate airborne concentration greater than or equal to 1000 x MPC as determined by radiological survey (see 10 CFR 20, Appendix B table II).

5. For Modes 1-6:
Reported spent fuel handling accident concurrent with the applicable alarm from any of the following radiation monitors:

R-1236	Spent Fuel Building High Radiation
	OR
R-1232	Containment Sphere High Radiation
	OR
R-1214	Stack Gas Monitor
	OR
R-1219	Stack Gas Monitor
	OR
R-1223	Stack Gas Monitor

UNCONTROLLED RELEASE OF RADIOACTIVITY

ALERT

TAB A2

6. For Modes 1-4:
Steam line break or any other steam discharge concurrent with a primary to secondary leak that exceeds 10 gpm as determined by:

PI-459	Uncontrolled transient in steam generator pressure and steam line pressure
	AND
R-1256	East Main Steam Line Radiation Monitor Alarm OR
R-1258	West Main Steam Line Radiation Monitor Alarm
	AND
R-1215	Main Condenser Air Ejector Gas Monitor Alarm

CAUTION
=======
The Main Condenser Air Ejector Gas Monitor Alarm criteria will only be applicable if the alarm is received AND the steam flow has not been terminated to the turbine-generator or main condenser.

7. For Modes 1-6:
An unmonitored gaseous release which is suspected to have exceeded 10 times MPC limits as determined by field sampling and radioanalysis.

8. For Modes 1-6:
An unmonitored liquid release which is suspected to have exceeded 10 times MPC limits as determined by field sampling and radioanalysis.

9. For Modes 1-6:
Radiological Effluent release for which the doses projected at the Exclusion Area Boundary for the expected duration of the release are between 2-50 mrem whole body
OR
Between 50-500 mrem thyroid.

UNCONTROLLED RELEASE OF RADIOACTIVITY

SITE EMERGENCY

TAB A3

1. For Modes 1-6:
Source term determination shows equivalent Xe-133 release rate greater than 1.1 Ci/sec for 0.5 hr
OR
greater than 10.6 Ci/sec for 2 minutes.

2. For Modes 1-6:
Source Term determination equivalent I-131 release rate greater than 1.0 E-4 Ci/sec for 0.5 hr
OR
1.0 E-3 Ci/sec for 2 minutes.

3. For Modes 1-6:
Radiological monitoring teams measure whole body dose rates at the Exclusion Area Boundary greater than 50 mR/hr for 0.5 hr
OR
greater than 500 mR/hr for 2 minutes.

4. For Modes 1-6:
Radiological monitoring teams measure thyroid dose rates (equivalent I-131 concentrations) at the Exclusion Area Boundary greater than 250 mR/hr for 0.5 hr (7.0 E-7 uCi/cc)
OR
2.5 R/hr for 2 minutes (7.0 E-6 uCi/cc).

5. For Modes 1-6:
Reported major spent fuel damage concurrent with greater than 10 times the alarm setpoint indication on any of the following radiation monitors:

R-1236 Spent Fuel Building High Radiation
OR
R-1232 Containment Sphere High Radiation
OR
R-1214 Stack Gas Monitor
OR
R-1223 Stack Gas Monitor

UNCONTROLLED RELEASE OF RADIOACTIVITY

SITE EMERGENCY

TAB A3

6. For Modes 1-6:
Uncontrolled decrease in spent fuel pool water level to below level of irradiated fuel as determined by the Spent Fuel Pit Level Low Alarm (RP Annunciator #68) concurrent with full scale indication on R-1236 - Spent Fuel Building High Radiation Monitor.

7. For Modes 1-4:
Steam line break or any other steam discharge concurrent with a primary to secondary leak of greater than 50 gpm complicated by indication of failed fuel as determined by:

(a) uncontrolled transient in steam generator pressure/level and steam line pressure (PI-459)
AND
(b) East Main Steam Line Radiation Monitor Alarm, OR
(c) West Main Steam Line Radiation Monitor Alarm
AND
(d) R-1215 Main Condenser Air Ejector Gas Monitor

CAUTION ====== The Main Condenser Air Ejector Gas Monitor Alarm criteria will only be applicable if the alarm is received and steam flow has not been terminated to the turbine-generator or main condenser.

AND

(e) RCS dose equivalent I-131 greater than 1.0 uCi/gm determined by the most recent chemical analysis results.

8. For Modes 1-6:
Radiological Effluent releases which correspond to doses projected at the Exclusion Area Boundary for the expected duration of the release for greater than 50 mrem whole body but less than 500 mrem whole body
OR
greater than 500 mrem thyroid but less than 5000 mrem thyroid at the Exclusion Area Boundary.

UNCONTROLLED RELEASE OF RADIOACTIVITY

GENERAL EMERGENCY

TAB A4

Any one of the following conditions:

1. For Modes 1-6:
   Dose projections or radiation levels measured in the environs indicate levels corresponding to or exceeding 0.5 Rem/hr. whole body at the Exclusion Area Boundary.

2. For Modes 1-6:
   Dose projections or radiation levels measured in the environs indicating levels corresponding to or exceeding 5 Rem/hr. thyroid at the Exclusion Area Boundary.

3. For Modes 1-6:
   Any Radiological Effluent releases which correspond to doses projected at the Exclusion Area Boundary for the expected duration of the release are greater than 500 mrem whole body.

   OR

   5000 mrem thyroid at the Exclusion Area Boundry under actual meteorological conditions.

LOSS OF RCS INVENTORY

UNUSUAL EVENT

TAB BI

1. For Modes 1, 2, 3, and 4 Only:
   Reactor Coolant System (RCS) leakage greater than any one of the following Technical Specification Limits, but less than 50 gpm:

   (a) 1 gpm unidentified leakage.

   OR

   (b) 6 gpm identified leakage.

   OR

   (c) 0.3 gpm RCS to Secondary leakage through any S/G.

   OR

   (d) 140 gpd (0.1 gpm) increase in RCS to Secondary leakage within 24 hours in any S/G.

   OR

   (e) In excess of 215 gpd (0.15 gpm) RCS to Secondary leakage in any S/G

   OR

   (f) 15 gpd (0.01 gpm) increase in RCS to Secondary leakage when RCS to Secondary leakage is above 140 gpd.

   NOTE: See Attachment 2 for instrumentation that aids in determining RCS leakage.

LOSS OF RCS INVENTORY

ALERT

TAB B2

1. For Modes 1, 2, 3, and 4 Only:
Reactor Coolant System (RCS) leakage greater than 50 gpm, but less than the maximum available makeup capacity of the charging system.

NOTE: See Attachment 2 for instrumentation that aids in determining RCS leakage.

LOSS OF RCS INVENTORY

SITE EMERGENCY

TAB B3

1. For Modes 1-4:
   Reactor Coolant System (RCS) leakage greater than the available charging pump capacity (Loss of Coolant Accident-LOCA). If Emergency Operating Instruction SO1-1.1-6, "Loss of Reactor Coolant" has been activated, this Emergency Action Level (EAL) is valid.

   NOTE See attachment 2 for instrumentation that aids in determining RCS leakage.

LOSS OF RCS INVENTORY

GENERAL EMERGENCY

TAB B4

1. For Modes 1-4:
Any Loss of Coolant Accident (LOCA) as covered in Emergency Operating Instruction SO1-1.1-6, "Loss of Reactor Coolant",

AND

The loss of containment integrity as defined in Emergency Operating Instruction SO1-1.2-8, "Loss of Containment Integrity",

AND

the subsequent failure of emergency heat removal systems such that significant fuel damage is probable.

NOTE:

(a) Significant fuel damage can be determined by:
Sample analysis of the RCS, indicating the release of the Gap Activity to the primary coolant

OR

High core temperatures indicated on the core thermocouples, (> 1200 °F),

OR

Inadequate subcooling margin (0° Subcooled)

OR

The core is uncovered for a sustained period of time.

(b) The loss of containment integrity can be determined by:
Status indication on containment penetrations,

OR

The sudden drop in containment pressures that cannot be explained by the initiation of containment spray.

DNB/DEGRADED CORE SEQUENCE

UNUSUAL EVENT

TAB CI

1. For Modes 1, 2, 3 and 4 only:
Initiation of the Safety Injection System (SIS) either by a valid safety circuit trip or a manual initiation of SIS as a corrective action to abnormal plant parameter indications
AND
A positive flow indication on FI912 or FI913 or FI914.

2. For Modes 1, 2, 3 and 4 only:
Rapid secondary depressurization due to:
A steamline break
OR
Secondary safety or relief valve failure
OR
Cold water injected into the secondary side of the steam generator, as determined by: Uncontrolled transients in the steam generator pressures indicated on PI-459 (Steamline pressure), RCS loop temperature or pressure.

3. For Modes as shown below:
Plant shutdown required due to exceeding a Technical Specification Safety Limit:

(a) 2735 psig (RCS maximum allowable transient pressure) (modes 1-5)
OR
(b) DNBR of 1.30 or less. (modes 1 and 2 only)

NOTE: Reference Technical Specification Figure 2.1.1 which represents the Loci of conditions at which a minimum DNBR of 1.30 or less would occur.

4. For Modes 1, 2, 3 and 4 only:
Reactor Coolant System (RCS) less than 30°F is indicated by subcooled TI-2010 and TI-3010 Subcooling Margin Monitor <30°F

5. For Modes 1, 2, and 3 only:
A plant shutdown has been ordered as required by:
Technical Specifications 3.1.1, "Maximum Reactor Coolant Activity"
OR
Technical Specifications 3.4.2, "Maximum Secondary Coolant Activity".

DNB/DEGRADED CORE SEQUENCE

ALERT

TAB C2

1. For Modes 1, 2 and 3 only:
   Severe loss of fuel cladding verified by radiochemical analysis indicating an increase in failed fuel greater than 1.0 percent in 30 minutes

   OR

   Total failed fuel greater than 5.0 percent.

2. For Modes 1, 2 and 3 only:
   RCS Chemistry sample results indicate dose equivalent I-131 greater than 300 uCi/gm

   AND

   The sample results are not due to iodine spiking phenomenon.

DNB/DEGRADED CORE SEQUENCE

SITE EMERGENCY

TAB C3

1. For Modes 1, 2 and 3 only:
A degraded core with possible loss of coolable geometry condition exists based on consideration of the following:

   (a) Five or more core exit thermocouples exhibit readings greater than 1200°F.
   (b) Reactor coolant loops hot leg RTD's greater than 700°F.
   (c) Sufficient Safety Injection Flow is not being delivered to the core.
   (d) Sufficient Feedwater is not being delivered to intact steam generators.
   (e) Abnormal reactor coolant activity sample results (greater than 300 uCi/gm equivalent I-131).
   (f) Containment radioactivity levels indicated by:

R1211	Containment Sphere Monitor High Radiation Alarm
	OR
R1232	Containment Area Monitor.

DNB/DEGRADED CORE SEQUENCE

GENERAL EMERGENCY

TAB C4

1. For Modes 1-3:
Any combination of Emergency Core Cooling System (ECCS) failures such that:
Significant fuel damage is imminent or in progress

AND

Containment integrity is lost

AND

The probable loss of the reactor coolant boundary is imminent.

NOTE:

(a) Significant fuel damage can be determined by:

Sample analysis of the RCS indicating the release of the Gap Activity to the primary coolant

OR

High core temperatures indicated on the core thermocouples (>1200°F)

OR

Inadequate subcooling margin (0°F subcooled)

OR

The core is uncovered for a sustained period of time.

(b) The loss of containment integrity can be determined by:

Status indication on containment penetrations

OR

Rapidly increasing containment pressure with the failure of containment spray

OR

The sudden drop in containment pressure that cannot be explained by the initiation of containment spray

OR

A steam line break downstream of the stop valves with the stop valves indicating open

OR

A rapid decrease in containment pressure.

LOSS OF SAFETY FUNCTIONS

UNUSUAL EVENT

TAB DI

1. For Modes 1, 2, 3 and 4 only:
   Loss of offsite power (Diesel Generators are operable) as covered by Emergency Operating Instruction SO1-1.7-1, "Loss of Off-Site Power", and indicated by the 220kV Bus under frequency alarm and system voltage indicator low.

2. For Modes 1, 2, 3 and 4 only:
   Loss of operability of both emergency diesel generators (off-site electrical power available)

   AND

   At least one of the inoperable diesel generators has not been restored to operable status within 2 hours.

3. For Modes 1 and 2 only:
   A Technical Specification required shutdown due to exceeding a limiting condition for operation as specified in Technical Specification 3.3, "Safety Injection and Containment Spray Systems".

4. For Modes 1 and 2 only:
   A Technical Specification required shutdown due to exceeding a limiting condition for operation as specified in Technical Specifications 3.6, "Containment Systems".

5. For Modes 1, 2, 3 and 4 only:
   All control room annunciators are lost for greater than 15 minutes

   AND

   The plant is in a stable condition.

   NOTE: See EAL D25 for transient conditions.

LOSS OF SAFETY FUNCTIONS

ALERT

TAB D2

1. For Modes 1, 2, 3 and 4:
   The loss of offsite electrical power as covered by Emergency Operating Instruction SO1-1.7-1, "Loss of Off-Site Power",
   AND
   The loss of operability of both emergency diesel generators
   AND
   The busses remain deenergized for greater than 5 minutes.

   NOTE: See EAL D31 for loss greater than 15 minutes.

2. For Modes 1, 2, 3 and 4:
   Loss of onsite vital DC electrical power for greater than 5 minutes as determined by:

   Low Voltage DC Bus No. 1 Alarm
   AND
   Low Voltage DC Bus No. 2 Alarm

   NOTE: See EAL D32 for loss greater than 15 minutes.

3. For Modes 1, 2, 3 and 4:
   The ability to achieve or maintain cold shutdown has been lost based on the following:

   Shutdown Cooling Capability lost
   AND
   Natural Circulation Cooling Capability lost
   AND
   Safety Injection Capability lost.

4. For Modes 1 and 2:
   The Reactor remains critical after the receipt of an automatic Reactor Protection Trip System Signal or a manual Reactor Trip Signal. In either case, the plant is in a stable condition without an uncontrolled transient involved.

5. For Modes 1, 2, 3 and 4:
   All control Room annunciators are lost for greater than 5 minutes
   AND
   The plant is in an unstable condition (an uncontrolled transient is involved).

6. For Modes 1, 2, 3 and 4:
   The evacuation of the Control Room is required and Control of the Shutdown Systems is established from local stations

   NOTE: See EAL D35 if Control of Shutdown Systems is not under control in 15 minutes

LOSS OF SAFETY FUNCTIONS

SITE EMERGENCY

TAB D3

1. For Modes 1, 2, 3 only:
   The loss of offsite electrical power as covered by Emergency Operating Instruction SO1-1.7-1, "Loss of Off-Site Power",
   AND
   the loss of operability of both emergency diesel generators
   AND
   the busses remaining deenergized for greater than 15 minutes.

2. For Modes 1, 2, 3 only:
   The loss of onsite vital DC electrical power for greater than 15 minutes as determined by:

   Low Voltage DC Bus No. 1 Alarm
   AND
   Low Voltage DC Bus No. 2 Alarm

3. For Modes 1, 2 and 3 only:
   The ability to achieve or maintain hot shutdown has been lost based on the following:

   Reactor Trip Capability Lost (Modes 1 and 2 only)
   AND
   Emergency Boration Capability Lost
   AND
   Steam Dump Capability Lost
   AND
   Feedwater Capability Lost
   AND
   Safety Injection Capability Lost.

4. For Modes 1 and 2:
   The reactor remains critical after the receipt of a Reactor Protection Trip Signal or a manual Reactor Trip Signal and the Plant is in an uncontrolled transient.

5. For Modes 1 - 4:
   The Control Room has been evacuated
   AND
   Control of Shutdown Systems has NOT been established from the local stations within 15 minutes.

LOSS OF SAFETY FUNCTIONS

GENERAL EMERGENCY

TAB D4

1. For Modes 1-3:
Any combination of loss of Safety Functions such that:
Significant fuel damage is imminent or in progress

AND

The loss of the reactor coolant boundary has occurred

AND

The loss of the containment integrity is probable.

NOTE:

(a) Significant fuel damage can be determined by:
Sample analysis of the RCS indicating the release of the Gap Activity to the primary coolant

OR

High core temperatures indicated on the core thermocouples (>1200°F)

OR

Inadequate subcooling margin (0°F Subcooled)

OR

The core uncovered for a significant period of time.

(b) The Loss of Containment integrity can be determined by:
Status indication on containment penetrations

OR

Rapidly increasing containment pressure with a failure of the containment spray system

OR

A steam line break downstream of the stop valves with the stop valves indicating open

OR

A rapid decrease in containment pressure.

CATASTROPHES

UNUSUAL EVENT

TAB E1

1. For Modes 1-6:
Fire within the Protected Area which is not brought under control within 10 minutes after verification

OR

Any fire within the Owner Controlled Area which requires offsite assistance.

2. For Modes 1, 2, 3 and 4:
Valid receipt of window 78, SMA-3 "Seismic Trigger Alarm"

OR

Valid receipt of window 80 "Offsite Seismic Trigger Alarm"

OR

Notification by Unit 2 that Seismic Instrumentation has been activated.

3. For Modes 1, 2, 3 and 4:
A tsunami that breaches the sea wall or any in-plant flooding condition which causes damage that precludes the operation of any systems listed in Attachment 3.

4. For Modes 1, 2, 3 and 4: Any tornado striking site which causes damage that precludes the operation of any systems listed in Attachment 3.

5. For Modes 1, 2, 3 and 4:
Site comes under hurricane force winds (i.e., sustained winds in excess of 74 mph) which causes damage that precludes the operation of any systems listed in Attachment 3.

CATASTROPHES

UNUSUAL EVENT

TAB E1

6. For Modes 1, 2, 3 and 4:
Aircraft crash onsite which causes damage that precludes the operation of systems listed in Attachment 3.

7. For Modes 1, 2, 3 and 4:
Train derailment which causes damage that precludes the operation of any systems listed in Attachment 3.

8. For Modes 1, 2, 3 and 4:
An onsite explosion, which causes damage that precludes the operation of any systems listed in Attachment 3.

9. For Modes 1, 2, 3 and 4:
Any flammable gas releases which if ignited would damage any of the systems listed in Attachment 3

OR

Any gas release which prevents required access for safe operation of any system listed in Attachment 3.

10. For Modes 1 and 2:
A failure of turbine rotating component causing rapid plant shutdown as determined by:

a. High vibration turbine trip

AND

b. Rapid loss of condenser vacuum,

AND

c. Verified conductivity alarms.

CATASTROPHES

ALERT

TAB E2

1. For Modes 1-6:
A fire which damages equipment such that the capability to achieve or maintain cold shutdown is lost.*

2. For Modes 1-6:
An earthquake recording greater than .33 g. ground acceleration,
OR
Valid receipt of S1C22, "Operating Basis Earthquake Acceleration" alarm.

NOTE: The information required to activate this EAL will be obtained from Unit 2/3 Shift Supervisor.

3. For Modes 1-5:
A Tsunami or a hurricane surge that breaches the seawall or any other flooding that damages equipment such that the capability to achieve or maintain cold shutdown is lost.*

4. For Modes 1-5:
Any tornado that damages equipment such that the capability to achieve or maintain cold shutdown is lost.*

5. For Modes 1-5:
Any sustained hurricane force winds (greater than 74 mph, but less than 100 mph) that damage equipment such that the capability to achieve or maintain cold shutdown is lost.*

6. For Modes 1-5:
Any aircraft crash or any missile impact that damages equipment such that the capability to achieve or maintain cold shutdown is lost.*

7. For Modes 1-5:
Any explosion that damages equipment such that the capability to achieve or maintain cold shutdown is lost.*

8. For Modes 1-5:
Any flammable gas releases which if ignited would damage equipment such that the capability to achieve or maintain cold shutdown is lost.*
OR
Any gas release which prevents access to operate equipment such that the capability to achieve or maintain cold shutdown is lost.*

9. For Modes 1 and 2:
Massive turbine rotating component failure causing casing penetration and projection of turbine blading.

* The ability to achieve or maintain cold shutdown has been lost is based on the following:

Shutdown Cooling Capability is lost;
AND
Natural Circulation Cooling Capability is lost;
AND
Safety Injection Capability is lost.

CATASTROPHES

SITE EMERGENCY

TAB E3

1. For Modes 1-4:
   Fire within the plant which damages equipment such that the capability to achieve or maintain hot shutdown is lost.*

2. For Modes 1-4:
   An earthquake which damages equipment such that the capability to achieve or maintain hot shutdown is lost.*

3. For Modes 1-4:
   Any flood or tsunami or hurricane surge, which causes severe damage to equipment such that the capability to achieve or maintain hot shutdown is lost.*

4. For Modes 1-4:
   Any tornado which causes severe damage to equipment such that the capability to achieve or maintain hot shutdown is lost.*

5. For Modes 1-4:
   Hurricane winds (in excess of 100 mph) which cause severe damage to equipment such that the capability to achieve or maintain hot shutdown is lost.*

6. For Modes 1-4:
   Any aircraft crash or missile impact or explosion which causes severe damage to equipment such that the capability to achieve or maintain hot shutdown is lost.*

7. For Modes 1-4:
   Toxic or flammable gases have entered the vital areas such that the Shift Supervisor has ordered a Plant evacuation.

   *The ability to achieve or maintain Hot shutdown has been lost is based on the following:

   Reactor trip Capability is lost (Modes 1 and 2 only)
   AND
   Emergency Boration Capability is lost
   AND
   Steam Dump Capability is lost
   AND
   Feedwater Capability is lost.

CATASTROPHES

GENERAL EMERGENCY

TAB E4

1. For Modes 1-3:
Any catastrophe(s) which cause:
The loss of containment integrity
AND
the loss of safety systems causing significant fuel damage
AND
the loss of the RCS boundary is imminent.

NOTE:

(a) The Loss of Containment integrity can be determined by:
Status indication on containment penetrations
OR
Rapidly increasing containment pressure with a failure of the containment spray system
OR
A steam line break downstream of the stop valves with the stop valves indicating open
OR
A steam break between the containment and the stop valves.
OR
A rapid decrease in containment pressure.

(b) Significant fuel damage can be determined by:
Sample analysis of the RCS indicating the release of the Gap activity to the primary coolant
OR
High core temperatures indicated on the core thermocouples (>1200°F)
OR
Inadequate subcooling margin (0°F Subcooled)
OR
The core is uncovered for a significant period of time.

SECURITY COMPROMISE

UNUSUAL EVENT

TAB F1

1. For Modes 1-6:
   Any Security threat, attempted entry or attempted sabotage such that security force notifies the Operations Shift Supervisor of initiation of the Security Contingency Plan.

SECURITY COMPROMISE

ALERT

TAB F2

1. For Modes 1-6:
   Security force notifies the Operations Shift Supervisor of an Ongoing Security Compromise pursuant to the SONGS Security Plan.

SECURITY COMPROMISE

SITE EMERGENCY

TAB F3

1. For Modes 1-6:
   Security force notifies the Operations Shift Supervisor of the Imminent Loss of Physical Security Control of the Plant.

SECURITY COMPROMISE

GENERAL EMERGENCY

TAB F4

1. For Modes 1-6:
   Loss of physical security control of the fac

MISCELLANEOUS

UNUSUAL EVENT

TAB G1

1. For Modes 1-6:
Transportation of personnel that are both injured
AND
externally contaminated from SONGS for treatment at a hospital.

2. For Modes 1-6:
Plant conditions exist that warrant increased awareness on the part of local off-site authorities, or state off-site authorities.

CAUTION

EVALUATE plant conditions to identify:

Events which, in combination with other related occurrences, constitute a significant trend leading to a degradation of safety.

Trends indicating an imminent mode change which would activate an EAL (Emergency Action Level).

IF these conditions exist:

CONSIDER declaring an Unusual Event based on this TAB.

3. For Modes 1 and 2:
Other plant conditions exist which require plant shutdown under Technical Specification requirements or involve other than normal controlled shutdown.

MISCELLANEOUS

ALERT

TAB G2

1. For Modes 1-6:
Other plant conditions exist that warrant precautionary activation of Technical Support Center and placing Emergency Operations Facility and other emergency personnel on standby.

CAUTION
=======

EVALUATE plant conditions to identify:

Events which, in combination with other related occurrences, constitute a significant trend leading to a degradation of safety.

Trends indicating an imminent mode change which would activate an EAL (Emergency Action Level).

IF these conditions exist:

CONSIDER declaring an Alert based on this TAB.

MISCELLANEOUS

SITE EMERGENCY

TAB G3

1. For Modes 1-6:
Other plant conditions exist that warrant activation of Emergency Centers and a precautionary notification to the public near the site is required.

CAUTION
=======

EVALUATE plant conditions to identify:

Events which, in combination with other related occurrences, constitute a significant trend leading to a degradation of safety.

Trends indicating an imminent mode change which would activate an EAL (Emergency Action Level).

IF these conditions exist:

CONSIDER declaring an Site Emergency based on this TAB.

MISCELLANEOUS

GENERAL EMERGENCY

TAB G4

1. For Modes 1-6:
Other plant conditions that make a release of large amounts of Radioactivity in a short time period possible

OR

The loss of 2 of 3 fission product barriers (fuel cladding, reactor coolant boundary, containment) have been lost with a potential for loss of the third barrier.

CAUTION

EVALUATE plant conditions to identify:

Events which, in combination with other related occurrences, constitute a significant trend leading to a degradation of safety.

Trends indicating an imminent mode change which would activate an EAL (Emergency Action Level).

IF these conditions exist:

CONSIDER declaring an General Emergency based on this TAB.

LOSS OF RCS INVENTORY INSTRUMENTS

NOTE: To verify the Emergency Action Levels (EAL), on TABS B1 through B4, use any of the following instruments:

FOR RCS TO CONTAINMENT LEAKAGE

R1211	Containment Sphere Particulate Monitor
R1212	Containment Sphere Gas Monitor
R1232	Containment Sphere Area Monitor
L1951	Containment Sump Level

FOR RCS TO SECONDARY LEAKAGE

R1215	Main Condenser Air Ejector Gas Monitor
R1216	Steam Generator Blowdown Liquid Monitor

FOR RCS TO CCW LEAKAGE

R1217	Component Cooling System Liquid Monitor

FOR PRESSURIZER SAFETY VALVE LEAKAGE

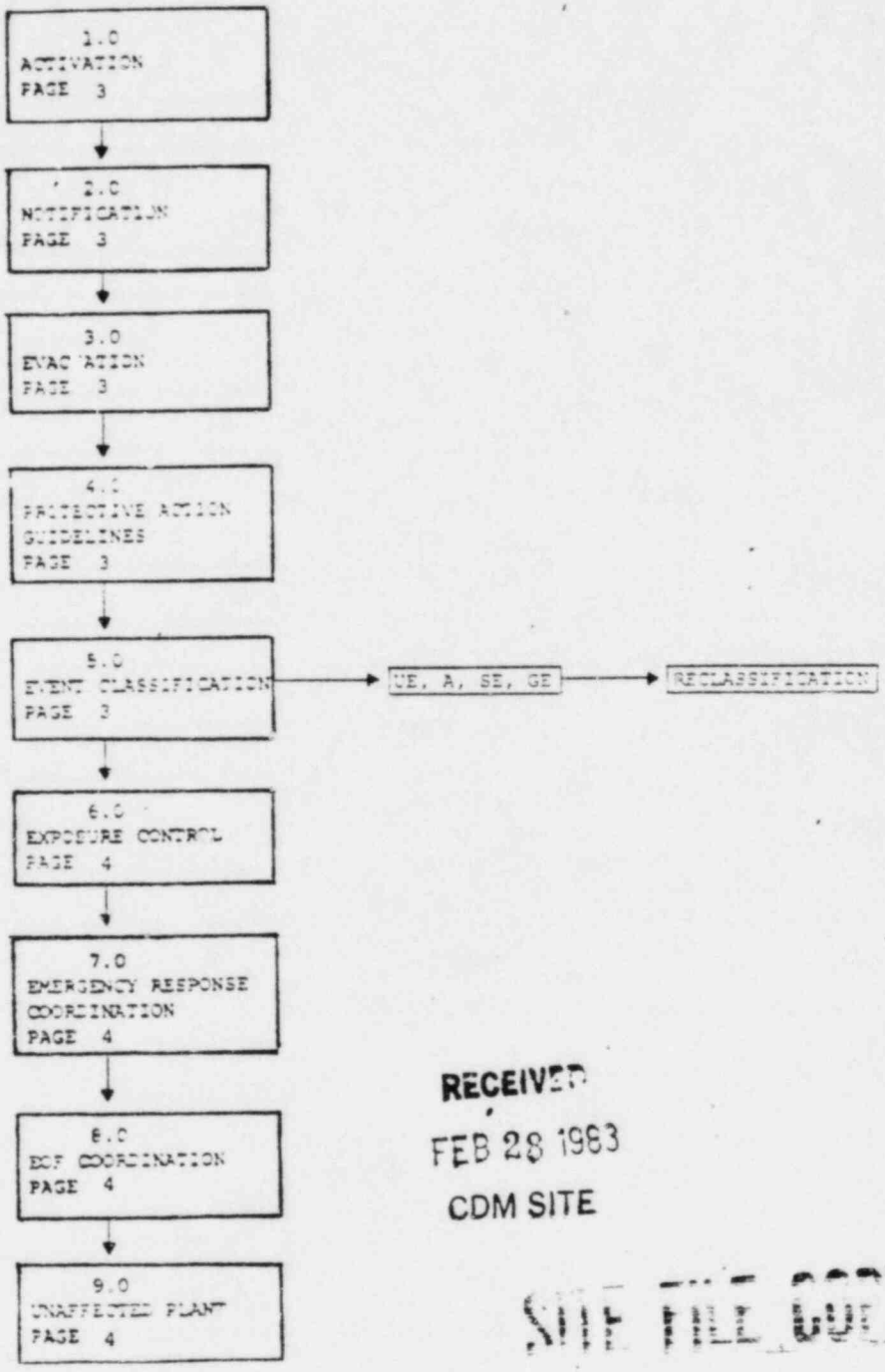
TIC433A	Pressurizer Relief Line PORV Temperature
TIC433B/C	Pressurizer Safety Relief Line Temperature
L1440	Pressurizer Relief Tank Level
TI441	Pressurizer Relief Tank Temperature
PI440	Pressurizer Relief Tank Pressure

UNIT 1 SAFETY SYSTEMS

1. Reactor Coolant System
2. Chemical and Volume Control System
3. Safety Injection System
4. Containment Spray Systems
5. Steam Generators and Main Steam Systems
6. Operational Safety Instrumentation
7. Containment Isolation Instrumentation
8. Accident Monitoring Instrumentation
9. Auxiliary Feedwater Instrumentation
10. Auxiliary Feedwater System
11. Feedwater System
12. Containment Sphere
13. Containment Isolation Valves
14. Auxiliary Electrical Supply
15. Continuous Power Distribution Monitoring
16. Control Room Emergency Air Treatment Cleanup System

RECOGNITION AND CLASSIFICATION OF EMERGENCIES

TABLE OF CONTENTS



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PROCEDURE WRITER DATE W. C. MOODY DATE
DEPUTY STATION MANAGER

RECOGNITION AND CLASSIFICATION OF EMERGENCIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: SHIFT SUPERVISOR

2. EMERGENCY RECALL: EMERGENCY COORDINATOR

B. OBJECTIVE

1. Provide direction for the Shift Supervisor/Emergency Coordinator and designated Emergency Response Team Leaders in classifying an offnormal event as an Emergency Action Level (Unusual Event, Alert, Site Emergency and General Emergency).

C. PRECAUTIONS

1. EVENT RECLASSIFICATION

AS plant/emergency conditions change:

REVIEW Section 5.0 of this EPIP as frequently as possible during each Emergency Action Level to ensure timely event reclassification.

2. PRECAUTIONARY EVENT DECLARATION

EVALUATE plant conditions to identify:

Events which, in combination with other related occurrences, constitute a significant trend leading to a degradation of safety.

Trends indicating an imminent mode change which would activate an EAL (Emergency Action Level).

IF these conditions exist:

CONSIDER declaring an Emergency Event as a precautionary measure based on TABS G1-G4.

D. ATTACHMENTS

1. CLASSIFICATION MATRIX

2. LOSS OF RCS INVENTORY INSTRUMENTS

3. UNIT 2&3 SAFETY SYSTEMS

1.0 ACTIVATION

1.1 RECOGNITION

WITHIN 15 minutes of recognition of an off normal event:

MAKE all reasonable efforts to verify and declare the appropriate emergency event.

2.0 NOTIFICATION: NO SUPPORT REQUIRED

3.0 EVACUATION: NO SUPPORT REQUIRED

4.0 PROTECTIVE ACTION GUIDELINES: NO SUPPORT REQUIRED

5.0 EVENT CLASSIFICATION

5.1 TIME REQUIREMENTS

WITHIN 15 minutes of recognition of an off normal event:

MAKE all reasonable efforts to verify and declare the appropriate emergency event.

CAUTION
=======
IF, following recognition of an off normal event, emergency conditions are corrected prior to verification of exceeding an EAL:

CONSULT the Station Manager or his designated alternate to determine if an Emergency Event should be declared.

5.2 EVENT CATEGORY

DETERMINE from the list below which category classifies the emergency conditions:

TABS A1 -A4 = Uncontrolled Release of Radioactivity
TABS B1 -B4 = Loss of RCS Inventory
TABS C1 -C4 = DNB/Degraded Core Sequence
TABS D1 -D4 = Loss of Safety Functions
TABS E1 -E4 = Catastrophes
TABS F1 -F4 = Security Compromise
TABS G1 -G4 = Miscellaneous

5.3 EMERGENCY ACTION LEVEL (EAL)

DETERMINE the second character (a number, 1 through 4) of the emergency event code that represents the level of emergency classification (Emergency Action Level-EAL).

1 = UNUSUAL EVENT
2 = ALERT
3 = SITE EMERGENCY
4 = GENERAL EMERGENCY

5.0 EVENT CLASSIFICATION (Continued)

5.4 FINAL EVENT CODE

DETERMINE the final three character alpha-numeric Emergency Event code as follows:

MATCH the emergency conditions in one of the 4 TABS for the event category selected in step 5.2.

CAUTION
=======
IF questions concerning classification exist:

DIRECT the Shift Communicator to contact the Emergency Planning Coordinator (See Station Emergency Recall List) and Plant Superintendent for discussion of the Emergency conditions.

5.5 EVENT DECLARATION

5.5.1 ANNOUNCEMENT

MAKE the following announcement to Control Room/TSC personnel:

THIS IS _____ AND I AM DECLARING
A (AN)
UNUSUAL EVENT/ALERT/SITE EMERGENCY/GENERAL EMERGENCY
(Circle one)

DATE _____ TIME _____ INITIALS _____

5.6 PROCEDURE IMPLEMENTATION

IMPLEMENT EPIP SO123-VIII-10, "EMERGENCY COORDINATOR DUTIES".

6.0 EXPOSURE CONTROL: NO SUPPORT REQUIRED

7.0 EMERGENCY RESPONSE COORDINATION: NO SUPPORT REQUIRED

8.0 EOF COORDINATION: NO SUPPORT REQUIRED

9.0 UNAFFECTED PLANT: NO SUPPORT REQUIRED

UNCONTROLLED RELEASE OF RADIOACTIVITY

UNUSUAL EVENT

TAB A1

1. For Modes 1-6:
   Any of the below listed process and effluent monitors meeting the following conditions:

   (a) A valid Hi Alarm
   AND
   (b) Radiological Effluent Technical Specifications tabulated below are exceeded
   AND
   (c) The release path is not isolated.

MONITOR	DESCRIPTION	TECHNICAL SPECIFICATION
2/3 RT-7814B	Waste Gas Header Monitor	6E3 CPM
	OR	
2(3) RT-7804-1C	Containment Airborne Monitor	(Full purge) 1.7E4 CPM (Mini purge) 3.4E5 CPM
	OR	
2/3 RT-7808C	Plant Vent Stack Airborne Monitor	(2 Fans) 5.6E3 CPM (1 Fan) 1E4 CPM
	OR	
2(3) RT-7870-1	Condenser Air Ejector Wide Range Monitor	1E3 uCi/sec
	OR	
2(3) RT-7865	Containment Purge or Plant Vent Stack Wide Range Monitor	5.6E3 uCi/sec

UNCONTROLLED RELEASE OF RADIOACTIVITY

UNUSUAL EVENT

TAB A1

2. For Modes 1-6:
   Any of the below listed process and effluent monitors meeting the following conditions:

   (a) A valid Hi Alarm
   AND
   (b) Radiological effluent Technical Specifications tabulated below are exceeded
   AND
   (c) The release path is not isolated.

MONITOR	DESCRIPTION	TECHNICAL SPECIFICATION
2(3) RT-7817	Neutralization Sump Discharge Monitor	1 Circ Pump 5E4 CPM 2 Circ Pumps 1E5 CPM
	OR	
2/3 RT-7813	Radwaste Discharge Line Monitor	1 Circ Pump 3E4 CPM 2 Circ Pumps 7E4 CPM
	OR	
2(3) RT-7821	Turbine Plant Area Pump Monitor.	1 Circ Pump 4E5 CPM 2 Circ Pumps 8E5 CPM

UNCONTROLLED RELEASE OF RADIOACTIVITY

ALERT

TAB A2

1. For Modes 1-6:
Any of the below listed process and effluent monitors meeting the following conditions:

(a) A valid Hi Alarm setpoint is exceeded
AND
(b) A valid reading exceeding 10 times the Radiological Effluent Technical Specifications as tabulated below
AND
(c) The release path is not isolated.

MONITOR	DESCRIPTION	10 Times TECHNICAL SPECIFICATION
2/3 RT-7814B	Waste Gas Header Monitor	6E4 CPM
	OR	
2(3) RT-7804-1c	Containment Airborne Monitor	(Full Purge) 1.7E5 CPM (Mini Purge) 3.4E6 CPM
	OR	
2/3 RT-7808	Plant Vent Stack Airborne Monitor	(2 Fans) 5.6E3 CPM (1 Fan) 1E4 CPM
	OR	
2(3) RT-7870-1	Condenser Air Ejector Wide Range Monitor	1E4 uCi/sec
	OR	
2(3) RT-7865-1	Containment Purge or Plant Vent Stack Wide Range Monitor;	5.6E4 uCi/sec

UNCONTROLLED RELEASE OF RADIOACTIVITY

ALERT

TAB A2

2. For Modes 1-6:
Any of the below listed process and effluent monitors meeting the following conditions:

(a) A valid Hi Alarm
AND
(b) A valid reading exceeding 10 times the radiological effluent technical specifications
AND
(c) The release path is not isolated.

MONITOR	DESCRIPTION	10 Times TECHNICAL SPECIFICATION
2(3) RT-7817	Neutralization Sump Discharge Monitor	1 Circ Pump 5E5 CPM 2 Circ Pumps 1E6 CPM
	OR	
2/3 RT-7813	Radwaste Discharge Line Monitor	1 Circ Pump 3E5 CPM 2 Circ Pumps 7E5 CPM
	OR	
2(3) RT-7821	Turbine Plant Area Sump Monitor.	1 Circ Pump 4E6 CPM 2 Circ Pumps 8E6 CPM

UNCONTROLLED RELEASE OF RADIOACTIVITY

ALERT

TAB A2

3. For Modes 1-6:
A valid unexpected area radiation monitor alarm as listed below,
AND
A valid unexpected area radiation monitor reading as listed below, or if full scale, verified field survey readings at the monitor location as listed below:

MONITOR	DESCRIPTION	READING 1000 X NORMAL
2(3) RT-7842	Radwaste General Area	>2.5 R/hr
	OR	
2(3) RT-7854	Local Sample Lab	>2.5 R/hr
	OR	
2(3) RT-7844	High Rad Storage Area	>10. R/hr
	OR	
2(3) RT-7841	Waste Gas Surge Tank Area	>2.5 R/hr
	OR	
2(3) RT-7847	Safety Equipment General Area	>2.5 R/hr
	OR	
2(3) RT-7850	Spent Fuel Loading Area	>2.5 R/hr
	OR	
2(3) RT-7852	Radiochem. Lab	>2.5 R/hr
	OR	
2(3) RT-7851	Control Room	>250mR/hr
	OR	
2(3) RT-7843	Radwaste General Area	>2.5 R/hr
	OR	
2(3) RT-7884	Post-Accident Sample Lab	>2.5 R/hr
	OR	
2(3) RT-7853	Hot Machine Shop	>2.5 R/hr

4. For Modes 1-6:
Any unanticipated plant area iodine or particulate airborne concentration greater than 1000 times MPC as determined by radiological survey (see 10 CFR 20 Appendix B, table II).

UNCONTROLLED RELEASE OF RADIOACTIVITY

ALERT

TAB A2

5. For Modes 1-6:
Reported spent fuel handling accident concurrent with the applicable alarm of the following radiation monitors:

2(3) RT-7804-1 Containment Airborne Monitor
AND
2(3) RT-7822-1 Fuel Handling Area Vent Airborne Monitor
AND
2(3) RT-7822-2 Fuel Handling Area Vent Airborne Monitor
OR
2(3) RT-7856-1 Containment Personnel Lock Area Monitor
AND
2(3) RT-7857-2 Containment General Area Monitor

6. For Modes 1-4:
A steam line break concurrent with a primary to secondary leak that exceeds 10 gpm as determined by:

(a) Uncontrolled transient in steam generator pressure(s)
PI-1012A1, PI-1012A2, PI-1012A3, PI-1012A4,
PI-1023A1, PI-1023A2, PI-1023A3, PI-1023A4.
AND
(b) High Alarm on any one of the following Radiation Monitors:
2(3) RT-7875A1, 2(3) RT-7874A1, 2(3) RT-7875B1, 2(3) RT-7874B1,
Main Steam Line Monitors.
AND
(c) A valid main condenser air ejector gas monitor 2(3) RT-7870-1 greater than low range alarm (2E-6 uCi/cc Xe-133)

CAUTION ======= The main condenser air ejector gas monitor alarm criteria will only be applicable if the alarm is received AND steam flow has not been terminated to the turbine-generator or main condenser.

7. For Modes 1-6:
An unmonitored gaseous release which is suspected to have exceeded 10 times MPC limits as determined by field sampling and radioanalysis.

8. For Modes 1-6:
An unmonitored liquid release which is suspected to have exceeded 10 times MPC limits as determined by field sampling and radioanalysis.

9. For Modes 1-6:
Radiological Effluent release for which the doses projected at the Exclusion Area Boundary for the expected duration of the release are between 2-50 mrem whole body
OR
between 50-500 mrem thyroid.

UNCONTROLLED RELEASE OF RADIOACTIVITY

SITE EMERGENCY

TAB A3

1. For Modes 1-6:
   2(3) RT-7865-1 Containment Purge or Plant Vent Stack Wide Range Monitor shows equivalent Xe-133 release rate greater than 1.1 Ci/sec. for 0.5 hr
   OR
   greater than 10.6 Ci/sec for 2 minutes.

2. For Modes 1-6:
   Source Term determination shows equivalent I-131 release rate greater than 1.0 E-4 Ci/sec for 0.5 hr
   OR
   1.0 E-3 Ci/sec for 2 minutes.

3. For Modes 1-6:
   Radiological monitoring teams measure whole body dose rates at the exclusion area boundary greater than 50 mrem/hr for 0.5 hr
   OR
   greater than 500 mrem/hr for 2 minutes.

4. For Modes 1-6:
   Radiological monitoring teams measure thyroid dose rates (equivalent I-131 concentrations) at the Exclusion Area Boundary greater than 250 mR/hr for 0.5 hr (7.0 E-7 uCi/cc)
   OR
   2.5 Rem/hr for 2 minutes (7.0 E-6 uCi/cc).

5. For Modes 1-6:
   Reported major spent fuel damage concurrent with a high alarm on process monitor RT-202
   AND
   greater than 10 times the alarm setpoint indication on any of the following radiation monitors:

   2(3) RT-7804-1 Containment Airborne Monitor
   AND
   2(3) RT-7822-1 Fuel Handling Area Vent Airborne Monitor
   AND
   2(3) RT-7822-2 Fuel Handling Area Vent Airborne Monitor OR
   2(3) RT-7845 Containment Personnel Lock Area Monitor
   AND
   2(3) RT-7848 Containment General Area Monitor

UNCONTROLLED RELEASE OF RADIOACTIVITY

SITE EMERGENCY

TAB A3

6. For Modes 1-6:
Uncontrolled decrease in spent fuel pool water level to below the level of irradiated fuel as determined by 61C3, "Spent Fuel Pool Hi/Low Level" alarm concurrent with full scale indication on 2(3) RT-7850, Spent Fuel Loading Area Monitor.

7. For Modes 1-4:
Steam line break concurrent with primary to secondary leakage greater than 50 gpm with indication of failed fuel as determined by:

(a) Uncontrolled transients in steam generator pressure(s)
PI-1012A1, PI-1012A2, PI-1012A3, PI-1012A4,
PI-2013A1, PI-1023A2, PI-1023A3, PI-1023A4.

AND

(b) A valid condenser air ejector gas monitor [2(3)-RT-7818] High Range alarm (8.2 E-2 uCi/cc Xe-133)

AND

(c) RCS dose equivalent I-131 greater than 1.0 uCi/gm as determined by the most recent chemical analysis results.

CAUTION
=======
The main condenser air ejector gas monitor alarm will only be applicable if the alarm is received AND the steam flow has not been terminated to the turbine-generator or main condenser.

8. For Modes 1-6:
Radiological Effluent release which corresponds to doses projected at the Exclusion Area Boundary for the expected duration of the release for greater than 50 mrem whole body but less than 500 mrem whole body

OR

greater than 500 mrem thyroid but less than 5000 mrem thyroid at the Exclusion Area Boundary.

UNCONTROLLED RELEASE OF RADIOACTIVITY

GENERAL EMERGENCY

TAB A4

1. For Modes 1-6:
   Dose projections or radiation levels measured in the environs indicate levels corresponding to or exceeding 0.5 Rem/hr whole body at the Exclusion Area Boundary.

2. For Modes 1-6:
   Dose projections or radiation levels measured in the environs indicate levels corresponding to or exceeding 5 Rem/hr thyroid at the Exclusion Area Boundary.

3. For Modes 1-6:
   Any Radiological Effluent release which corresponds to doses projected at the Exclusion Area Boundary for the expected duration of the release are greater than 500 mrem whole body

   OR

   5000 mrem thyroid at the Exclusion Area Boundary under actual meteorological conditions.

LOSS OF RCS INVENTORY

UNUSUAL EVENT

TAB B1

1. For Modes 1, 2, 3 and 4 only:
The Reactor Coolant System (RCS) leakage is greater than any one of the below listed Technical Specifications Limits, but less than 50 gpm:

AND

the leakage cannot be reduced to below the limits within 4 hours

(a) 1 gpm unidentified leakage.

OR

(b) 1 gpm total primary-to-secondary leakage through all steam generators and 720 gallons per day through any one steam generator.

OR

(c) 10 gpm identified leakage from the RCS.

OR

(d) 1 gpm leakage at the RCS pressure of 2235 ± 20 psig from any RCS pressure isolation valve specified in Technical Specifications Table 3.4-1.

NOTE: See Attachment 2 for instrumentation that aids in determining RCS leakage.

LOSS OF RCS INVENTORY

ALERT

TAB B2

1. For Modes 1, 2, 3 and 4 Only:
   The Reactor Coolant System (RCS) leakage is greater than 50 gpm, but less than the maximum available makeup capacity of the charging system

   NOTE: See Attachment 2 for instrumentation that aids in determining RCS leakage.

LOSS OF RCS INVENTORY

SITE EMERGENCY

TAB B3

1. For Modes 1-4:
The Reactor Coolant System (RCS) leakage is greater than the available charging pump capacity (Loss of Coolant Accident-LOCA). If Emergency Operating Instruction SO23-3-5.6, "Loss of Coolant Accident" has been activated, this Emergency Action Level (EAL) is valid.

NOTE: See Attachment 2 for instrumentation that aids in determining RCS leakage.

LOSS OF RCS INVENTORY

GENERAL EMERGENCY

TAB B4

1. For Modes 1-4:
Any loss of Coolant Accident (LOCA) as covered in Emergency Operating Instruction SO23-3-5.6, "Loss of Coolant Accident,"

AND

The loss of Containment integrity as defined in Emergency Operating Instruction SO23-3.5.11, "Loss of Containment Integrity,"

AND

The subsequent failure of emergency heat removal systems such that significant fuel damage is probable.

NOTE:

(a) Significant fuel damage can be determined by:
Sample analysis of the RCS or Letdown Monitor High alarm, both indicating the release of the Gap Activity to the primary coolant

OR

High core temperatures indicated on the core thermocouples (>1200°F)

OR

Inadequate subcooling margin (0° SUBCOOLED)

OR

The core uncovered for a sustained period of time.

(b) The loss of containment integrity can be determined by:
Status indication on containment penetrations

OR

A steam line break downstream of the MSIV's with the MSIV's indicating open.

DNB/DEGRADED CORE SEQUENCE

UNUSUAL EVENT

TAB C1

1. For Modes 1, 2, 3 and 4 Only:
   Initiation of the High Pressure Safety Injection (HPSI) System, either by a valid safety circuit trip or a manual initiation of HPSI as a corrective action to abnormal plant parameter indications

   AND

   Flow indication of greater than 5gpm on 2(3)FI-0311 or 2(3)FI-0321 or 2(3)FI-0331 or 2(3)FI-3411.

2. For Modes 1, 2, 3 and 4 only:
   Rapid secondary depressurization due to:
   A steam line break

   OR

   Secondary safety or relief valve failure

   OR

   Cold water injection into the secondary side of the steam generator as covered in Emergency Operating Instruction SO23-3-5.9, "Steam Line Rupture," and determined by uncontrolled transients in steam generator pressure(s) listed below,

   PI-1012A1, PI-1012A2, PI-1012A3, PI-1012A4,
   PI-1023A1, PI-1023A2, PI-1023A3, PI-1023A4.

3. For Modes as shown below:
   A plant shutdown is required due to exceeding a Technical Specifications Safety Limit:
   (a) Whenever the DNBR of the reactor has decreased to less than 1.20 as indicated by the Core Operating Limit Supervisory System (COLSS). Mode 1 only

   OR

   (b) Whenever the peak linear heat rate (adjusted for fuel rod dynamics) of the fuel has exceeded 21.0 kw/ft, as indicated by Core Operating Limit Supervisory System (COLSS). Mode 1 only

   OR

   (c) Whenever the Reactor Coolant System Pressure has exceeded 2750 psia. (Modes 1-5.)

DNB/DEGRADED CORE SEQUENCE

UNUSUAL EVENT

TAB C1

4. For Modes 1, 2, 3 and 4 only:
The Reactor Coolant System (RCS) is less than 10°F subcooled as indicated by: 2(3)TI-0911-1, 2(3)TI-0921-2, Subcooling Margin Monitor <10°F

5. For Modes 1, 2, and 3 only:
A plant shutdown has been ordered as required by:
Technical Specification 3/4.4.7, "Specific Activity of the Reactor Coolant System."

OR

Technical Specificaton 3.7.1.4, "Activity of Plant Systems."

DNB/DEGRADED CORE SEQUENCE

ALERT

TAB C2

1. For Modes 1, 2 and 3 only:
   Severe loss of fuel cladding indicated on Process Radiation Monitor RE-202 (Alarm 58A33)

   AND

   Verified by radiochemical analysis indicating an increase in failed fuel greater than 1.67E-5 Curies/cc I-131 dose equivalent in 30 minutes OR total failed fuel greater than 8.3 E-5 Curies/cc I-131 dose Equivalent.

2. For Modes 1, 2 and 3 only:
   RCS chemistry sample results indicate the dose equivalent I-131 greater than 300 uCi/cc,

   AND

   The sample result is not due to iodine spiking phenomenon.

DNB/DEGRADED CORE SEQUENCE

SITE EMERGENCY

TAB C3

1. For Modes 1, 2 and 3 only:
A "degraded core with the possible loss of coolable geometry" condition exists based on consideration of the following:

(a) Inadequate Core Cooling as determined by the results of SO23-3-2.30, "Determination of Adequate Core Cooling."

(b) Abnormally high Reactor coolant activity sample results (greater than 300 uCi/gm equivalent I-131).

(c) Containment radioactivity levels indicated by:

2(3)RT-7820-1 (7820-2) High Range in Containment Monitors.

OR

2(3)RT-7858-1 (7859-2) (7860-3) Emergency Radiation Monitors.

DNB/DEGRADED CORE SEQUENCE

GENERAL EMERGENCY

TAB C4

1. For Modes 1-3:
Any combination of Emergency Core Cooling System (ECCS) failures such that:
Significant fuel damage is imminent or in progress

AND

Containment integrity is lost

AND

The probable loss of the reactor coolant boundary is imminent.

NOTE:

(a) Significant fuel damage can be determined by:
Sample analysis of the RCS or letdown monitor High Alarm, both indicating the release of the Gap Activity to the primary coolant

OR

High core temperatures indicated on the core thermocouples (>1200°F)

OR

Inadequate subcooling margin (0° subcooled)

OR

The core is uncovered for a sustained period of time.

(b) The loss of containment integrity can be determined by:
Status indication on containment penetrations

OR

Rapidly increasing containment pressure with a failure of the containment spray,

OR

A sudden drop in containment pressure that can not be explained by the initiation of containment spray

OR

A steam line break downstream of the MSIV's with the MSIV's indicating open,

OR

A rapid decrease in containment pressure.

LOSS OF SAFETY FUNCTIONS

UNUSUAL EVENT

TAB D1

1. For Modes 1, 2, 3 and 4 only:
   Loss of all offsite power (Diesel Generators are operable) as defined by Emergency Operating Instructions SO23-3-5.4, "Complete loss of Offsite Electrical Power",

   OR

   SO23-3-5.4.1, "Complete Loss of Offsite Electrical Power to a Unit."

2. For Modes 1, 2, 3 and 4 only:
   Loss of operability of both emergency diesel generators (off-site electrical power available)

   AND

   At least one of the inoperable diesel generators has not been restored to operable status within 2 hours.

3. For Modes 1 and 2 only:
   A Technical Specification required shutdown due to exceeding a limiting Condition for Operation as specified in Technical Specifications 3/4.5, "Emergency Core Cooling Systems."

   NOTE: This Emergency Action Level is valid in the modes specified in Technical Specifications 3/4.5.

4. For Modes 1 and 2 only:
   A Technical Specification required shutdown due to exceeding a Limiting Condition for operation as specified in Technical Specifications 3/4.6, "Containment Systems."

5. For Modes 1, 2, 3 and 4:
   All Control Room annunciators are lost for greater than 5 minutes

   AND

   The plant is in a stable condition.

   NOTE: See EAL D25 for Transient Conditions.

LOSS OF SAFETY FUNCTIONS

ALERT

TAB D2

1. For Modes 1, 2, 3 and 4:
The loss of all offsite AC electrical power as covered by Emergency Operating Instructions SO23-3-5.4, "Complete Loss of Offsite Electrical Power" or SO23-3.5.4.1, "Complete Loss of Offsite Electrical Power to a Unit"

AND

The loss of operability of both emergency diesel generators

AND

The busses remain deenergized for greater than 5 minutes.

NOTE: See EAL D31 for loss greater than 15 minutes.

2. For Modes 1, 2, 3 and 4:
The loss of all units vital DC electrical power for greater than 5 minutes, as determined by:

63C31 125VDC Bus D1 Trouble Alarm

AND

63C52 125VDC Bus D2 Trouble Alarm

AND

63C55 125VDC Bus D3 Trouble Alarm

AND

63C58 125VDC Bus D4 Trouble Alarm

NOTE: See EAL D32 for loss greater than 15 minutes.

3. For Modes 1, 2, 3 and 4:
The ability to achieve or maintain cold shutdown has been lost based on the following:

Shutdown Cooling Capability is lost

AND

Natural Circulation Cooldown capability is lost

AND

Safety Injection Capability is lost.

LOSS OF SAFETY FUNCTIONS

ALERT

TAB D2

4. For Modes 1 and 2:
The Reactor remains critical after the receipt of an automatic Reactor Protection Trip System Signal or a manual Reactor Trip signal. In either case, the plant is in a stable condition without an uncontrolled transient involved.

5. For Modes 1 and 2:
All Control Room annunciators are lost for greater than 5 minutes
AND
The plant is in an unstable transient condition (an uncontrolled transient is involved).

6. For Modes 1 and 2 only:
The evacuation of the Control Room is required and Control of the Shutdown systems is established from local stations.

NOTE: See EAL D35 if Control of the Shutdown system is not under control in 15 minutes.

LOSS OF SAFETY FUNCTIONS

SITE EMERGENCY

TAB D3

1. For Modes 1, 2, and 3 only:
The loss of all offsite AC electrical power as covered by Emergency Operating Instructions SO23-3-5.4, "Complete Loss of Offsite Electrical Power" or SO23-3.5.4.1, "Complete Loss of Offsite Electrical Power to a Unit"

AND

The loss of operability of both emergency diesel generators

AND

The busses remain deenergeized for greater than 15 minutes.

2. For Modes 1, 2, and 3 only:
The loss of all units vital DC electrical power for greater than 15 minutes, as determined by:

63C31 125VDC Bus D1 Trouble Alarm

AND

63C52 125VDC Bus D2 Trouble Alarm

AND

63C55 125VDC Bus D3 Trouble Alarm

AND

63C58 125VDC Bus D4 Trouble Alarm

3. For Modes 1, 2, and 3 only:
The ability to achieve or maintain hot shutdown has been lost based on the following:

Reactor Trip Capability lost (Modes 1 and 2 only)

AND

Emergency Boration Capability lost

AND

Steam Dump Capability is lost

AND

Feedwater Capability lost

4. For Modes 1 and 2:
The Reactor remains critical after receipt of a Reactor Protection Trip Signal or a manual Reactor Trip signal and the Plant is in an uncontrolled transient.

5. For Modes 1-4:
The Control Room has been evacuated

AND

Control of Shutdown Systems has <u>not</u> been established from the local stations within 15 minutes.

LOSS OF SAFEY FUNCTIONS

GENERAL EMERGENCY

TAB D4

1. For Modes 1-3:
   Any combination of loss of Safety Functions such that:
   Significant fuel damage is imminent or in progress
   AND
   The loss of the reactor Coolant boundary has occurred
   AND
   The loss of the containment integrity is probable.

   NOTE:

   (a) Significant fuel damage can be determined by:
   Sample analysis of the RCS or Letdown Monitor High Alarm, both indicating the release of the Gap Activity to the primary coolant,
   OR
   High core temperatures indicated on the core thermocouples (>1200°F)
   OR
   Inadequate subcooling margin (0° Subcooled)
   OR
   The core uncovered for a significant period of time.

   (b) The Loss of containment integrity can be determined by status indication on containment penetrations
   OR
   Rapidly increasing containment pressure with a failure of the containment spray system
   OR
   A steam line break downstream of the MSIV's with the MSIV's indicating open
   OR
   A rapid decrease in containment pressure.

CATASTROPHES

UNUSUAL EVENT

TAB E1

1. For Modes 1-6:
   Fire within the Protected Area which is not brought under control within 10 minutes after verification
   OR
   Any fire within the Owner Controlled Area which requires offsite assistance.

2. For Modes 1, 2, 3 and 4:
   Valid receipt of 61C21 "Seismic Recording System Activiation" alarm.
   OR
   Notification by Unit 1 that Seismic Instrumentation has been activated.

3. For Modes 1, 2, 3 and 4:
   A tsunami that breaches the sea wall or any in-plant flooding condition which causes damage that precludes the operation of any systems listed in Attachment 3.

4. For Modes 1, 2, 3 and 4:
   Any tornado striking site which causes damage that precludes the operation of any systems listed in Attachment 3.

5. For Modes 1, 2, 3 and 4:
   Site comes under hurricane force winds (i.e., sustained winds in excess of 74 mph) which causes damage that precludes the operation of any systems listed in Attachment 3.

6. For Modes 1, 2, 3 and 4:
   Aircraft crash onsite which causes damage that precludes the operation of any systems listed in Attachment 3.

7. For Modes 1, 2, 3 and 4:
   Train derailment which causes damage that precludes the operation of any systems listed in Attachment 3.

8. For Modes 1, 2, 3 and 4:
   An onsite explosion which causes damage that precludes the operation of any systems listed in Attachment 3.

9. For Modes 1, 2, 3 and 4:
   Any flammable gas release which if ignited would damage any of the systems listed in Attachment 3.
   OR
   Any gas release which prevents required access for safe operation of any system listed in Attachment 3.

CATASTROPHES

UNUSUAL EVENT

TAB E1

10. For Modes 1 and 2:
A failure of turbine rotating equipment causing rapid plant shutdown as determined by:

a. High vibration turbine trip
AND
b. Rapid loss of condenser vacuum
AND
c. Verified conductivity alarms.

CATASTROPHES

ALERT

TAB E2

1. For Modes 1-6:
   A fire which damages equipment such that the capability to achieve or maintain cold shutdown is lost.*

2. For Modes 1-6:
   An earthquake recording greater than .33 g. ground acceleration,
   OR
   Valid receipt of 61C22 "Operating Basis Earthquake Acceleration" alarm.

3. For Modes 1-5:
   A Tsunami or a hurricane surge that breaches the seawall or any other flooding that damages equipment such that the capability to achieve or maintain cold shutdown is lost.*

4. For Modes 1-5:
   Any tornado that damages equipment such that the capability to achieve or maintain cold shutdown is lost.*

5. For Modes 1-5:
   Any sustained hurricane force winds (greater than 74 mph, but less than 100 mph) that damage equipment such that the capability to achieve or maintain cold shutdown is lost.*

6. For Modes 1-5:
   Any aircraft crash or any impact that damages equipment such that the capability to achieve or maintain cold shutdown is lost.*

7. For Modes 1-5:
   Any explosion that damages equipment such that the capability to achieve or maintain cold shutdown is lost.*

8. For Modes 1-5:
   Any flammable gas releases which if ignited would damage equipment such that the capability to achieve or maintain cold shutdown is lost.*
   OR
   Any gas release which prevents access to operate equipment such that the capability to achieve or maintain cold shutdown is lost.*

9. For Modes 1 and 2:
   Massive turbine rotating component failure causing casing penetration and projection of turbine blading.

*The ability to achieve or maintain cold shutdown has been lost is based on the following:

Shutdown Cooling Capability is lost;
AND
Natural Circulation Cooling Capability is lost;
AND
Safety Injection Capability is lost.

CATASTROPHES

SITE EMERGENCY

TAB E3

1. For Modes 1-4:
   Fire within the plant which damages equipment such that the capability to achieve or maintain hot shutdown is lost.*

2. For Modes 1-4:
   An earthquake which damages equipment such that the capability to achieve or maintain hot shutdown is lost.*

3. For Modes 1-4:
   Any flood, tsunami or hurricane surge, which causes severe damage to equipment such that the capability to achieve or maintain hot shutdown is lost.*

4. For Modes 1-4:
   Any tornado which causes severe damage to equipment such that the capability to achieve or maintain hot shutdown is lost.*

5. For Modes 1-4:
   Hurricane winds (in excess of 100 mph) which cause severe damage to equipment such that the capability to achieve or maintain hot shutdown is lost.*

6. For Modes 1-4:
   Any aircraft crash, missile impact or explosion which causes severe damage to equipment such that the capability to achieve or maintain hot shutdown is lost.*

7. For Modes 1-4:
   Toxic or flammable gases that have entered the vital areas such that the Shift Supervisor has ordered a Plant evacuation.

*The ability to achieve or maintain hot shutdown has been lost is based on the following:

Reactor Trip Capability is lost (Modes 1 and 2 only);
AND
Emergency Boration Capability is lost;
AND
Steam Dump Capability is lost;
AND
Feedwater Capability is lost;

CATASTROPHES

GENERAL EMERGENCY

TAB E4

1. For Modes 1-3:
Any catastrophe(s) which cause:
The Loss of Containment Integrity
AND
The Loss of Safety Systems causing significant fuel damage
AND
The Loss of the RCS boundary is imminent.

NOTE:
(a) The Loss of containment integrity can be determined by:
Status indication on containment penetrations
OR
Rapidly increasing containment pressure with a failure of the containment spray system
OR
A stream line break downstream of the MSIV's with the MSIV's indicating open
OR
A steam line break between the containment and the MSIV's
OR
A rapid decrease in containment pressure.

(b) Significant fuel damage can be determined by:
Sample analysis of the RCS or Letdown Monitor High Alarm, both indicating the release of the Gap Activity to the primary coolant,
OR
High core temperatures indicated on the core thermocouples (>1200°F)
OR
Inadequate subcooling margin (0° Subcooled)
OR
The core uncovered for significant period of time.

SECURITY COMPROMISE

UNUSUAL EVENT

TAB F1

1. Any Security threat, attempted entry or attempted sabotage such that security force notifies the Operations Shift Supervisor of initiation of the Security Contingency Plan.

SECURITY COMPROMISE

ALERT

TAB F2

1. Security force notifies the Operations Shift Supervisor of an Ongoing Security Compromise pursuant to the SONGS Security Plan.

SECURITY COMPROMISE

ALERT

TAB F2

1. For Modes 1-6:

   Security force notifies the Operations Shift Supervisor of an Ongoing Security Compromise pursuant to the SONGS Security Plan.

SECURITY COMPROMISE

SITE EMERGENCY

TAB F3

1. Security force notifies the Operations Shift Supervisor of the Imminent Loss of Physical Security Control of the Plant.

SECURITY COMPROMISE

GENERAL EMERGENCY

TAB F4

1. For Modes 1-6:

   Loss of physical security control of the facility.

MISCELLANEOUS

UNUSUAL EVENT

TAB G1

Any one of the following conditions:

1. For Modes 1-6:
   Transportation of personnel that are both injured
   AND
   Externally contaminated from SONGS for treatment at a hospital.

2. For Modes 1-6:
   Plant conditions exist that warrant increased awareness on the part of local off-site authorities, or State off-site authorities.

CAUTION
=======

EVALUATE plant conditions to identify:

Events which, in combination with other related occurrences, constitute a significant trend leading to a degradation of safety.

Trends indicating an imminent mode change which would activate an EAL (Emergency Action Level).

IF these conditions exist:

CONSIDER declaring an Unusual Event based on this TAB.

3. For Modes 1 and 2:
   Other plant conditions exist which require plant shutdown under Technical Specification requirements or involve other than normal controlled shutdown.

MISCELLANEOUS

ALERT

TAB G2

1. For Modes 1-6:

Other plant conditions exist that warrant precautionary activation of Technical Support Center and placing Emergency Operations Facility and other emergency personnel on standby.

CAUTION

EVALUATE plant conditions to identify:

Events which, in combination with other related occurrences, constitute a significant trend leading to a degradation of safety.

Trends indicating an imminent mode change which would activate an EAL (Emergency Action Level).

IF these conditions exist:

CONSIDER declaring an Alert based on this TAB.

MISCELLANEOUS

SITE EMERGENCY

TAB G3

1. For Modes 1-6:

Other plant conditions exist that warrant activation of Emergency Centers and a precautionary notification to the public near the site is required.

CAUTION
=======

EVALUATE plant conditions to identify:

Events which, in combination with other related occurrences, constitute a significant trend leading to a degradation of safety.

Trends indicating an imminent mode change which would activate an EAL (Emergency Action Level).

IF these conditions exist:

CONSIDER declaring a Site Emergency based on this TAB.

MISCELLANEOUS

GENERAL EMERGENCY

TAB G4

1. For Modes 1-6:
Other plant conditions that make a release of large amounts of Radioactivity in a short time period possible

OR

2 of 3 fission product barriers (fuel cladding, reactor coolant boundary, containment) have been lost with a potential for loss of the third barrier.

CAUTION
=======

EVALUATE plant conditions to identify:

Events which, in combination with other related occurrences, constitute a significant trend leading to a degradation of safety.

Trends indicating an imminent mode change which would activate an EAL (Emergency Action Level).

IF these conditions exist:

CONSIDER declaring a General Emergency based on this TAB.

LOSS OF RCS INVENTORY INSTRUMENTS

NOTE: To verify the Emergency Action Levels (EAL), on TABS B1 through B4, use any of the following instruments:

FOR RCS TO CONTAINMENT LEAKAGE

2(3)RT-7804-B1	Containment Particulate Monitor
2(3)RT-7804-C1	Containment Gaseous Monitor
2(3)RT-7807-B1	Containment Particulate Monitor
2(3)RT-7807-C1	Containment Gaseous Monitor
2(3)FR-5802	Containment Sump Inlet Flow
2(3)FR-5805	Containment Sump Inlet Flow

FOR RCS TO SECONDARY LEAKAGE

2(3)RT-7818	Condenser Air Ejector Gas Monitor
2(3)RE-7870-1	Condenser Air Ejector Wide Range Monitor
2(3)RE-6753	Steam Generator Blowdown Monitor
2(3)RT-6759	Steam Generator Blowdown Monitor
2(3)RE-7874A1	Main Steam Line Low Range Monitor
2(3)RE-7875A1	Main Steam Line Low Range Monitor
2(3)RE-7874B1	Main Steam Line High Range Monitor
2(3)RE-7875B1	Main Steam Line High Range Monitor

FOR RCS TO CCW LEAKAGE

2(3)RT-7819	Component Cooling Water Monitor

FOR PRESSURIZER SAFETY VALVE LEAKAGE

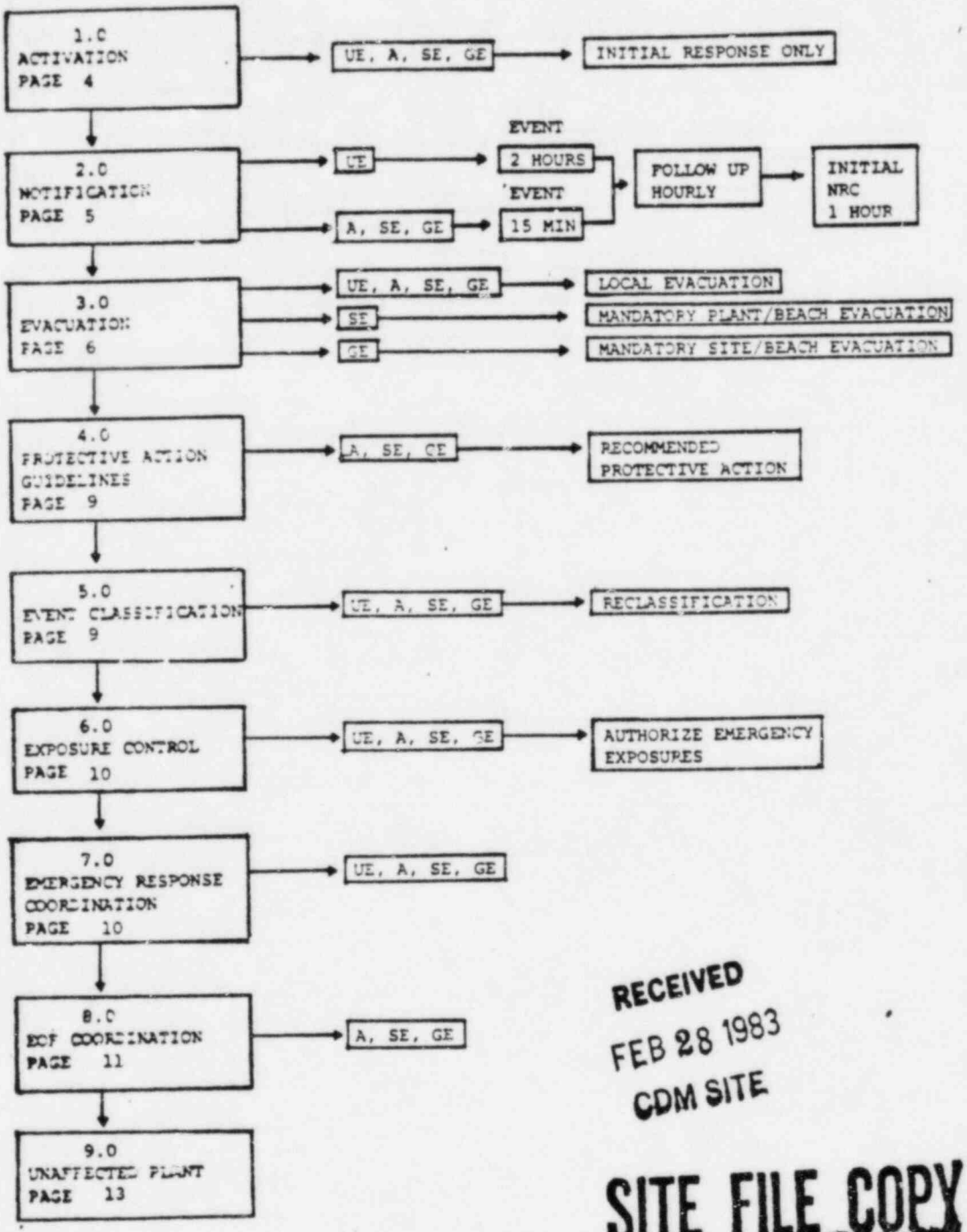
2(3)TI-0107	Pressurizer Relief Line Discharge Temp
2(3)TI-0108	Pressurizer Relief Line Discharge Temp
2(3)LI-0116	Quench Tank Level
2(3)PI-0116	Quench Tank Pressure
2(3)TI-0116	Quench Tank Temperature

UNIT 2&3 SAFETY SYSTEMS

1. Reactor Coolant System
2. Boration Systems
3. Reactor Protective Instrumentation
4. ESF Actuation System Instrumentation
5. Accident Monitoring Instrumentaton
6. Steam Generators and Main Steam System
7. Emergency Core Cooling System
8. Primary Containment
9. Containment depressurization and cooling systems
10. Containment isolation valves
11. Combustible Gas Control
12. Auxiliary Feedwater System
13. Condensate Storage Tank
14. Component Cooling Water System
15. Saltwater Cooling System
16. Control Room Emergency Air Cleanup System
17. A. C. Electrical Power Systems
18. D. C. Electrical Power Systems

EMERGENCY COORDINATOR DUTIES

TABLE OF CONTENTS



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PREPARED BY: D D Bennette 2-23-83 APPROVED BY: W C Moody 2/24/83
PROCEDURE WRITER DATE W. C. MOODY DATE
DEPUTY STATION MANAGER

EMERGENCY COORDINATOR DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: SHIFT SUPERVISOR

2. EMERGENCY RECALL: STATION MANAGER OR ALTERNATE

B. OBJECTIVE

1. Provide guidance for the direction of Emergency Response Activities by the Emergency Coordinator.

C. PRECAUTIONS

1. EMERGENCY COORDINATOR RESPONSIBILITIES

Emergency Coordinator authorization is required for the following:

a. EMERGENCY EVENT DECLARATION

b. NOTIFICATION FORMS APPROVAL

c. PRECAUTIONARY PLANT OR SITE EVACUATION

d. OFFSITE PROTECTIVE ACTION RECOMMENDATIONS

e. EXCEEDING 10CFR20 EXPOSURE LIMITS

2. EVENT RECLASSIFICATION

a. PROCEDURE REVIEW

FOLLOWING each reclassification:

REVIEW section 2.0-9.0 of this EPIP

CHECK OFF the Emergency Action Level (EAL) at which each step was implemented as follows:

PLACE an "X" through EAL Code following each step in parenthesis

(UE) - Unusual Event

(A) - Alert

(SE) - Site Emergency

(GE) - General Emergency

REVIEW sections 2.0-9.0 of this EPIP as frequently as possible during each EAL to ensure applicable actions are implemented.

D. ATTACHMENTS

1. Hazards Requiring Consideration of Evacuation
2. Emergency Close Out Checklist

1.0 ACTIVATION - (UE,A,SE,GE) (INITIAL RESPONSE ONLY)

1.1 UNUSUAL EVENT

1.1.1 PUBLIC ADDRESS ANNOUNCEMENTS (UE)

DIRECT the Shift Communicator to make the applicable Emergency Event announcement.

1.1.2 NOTIFICATION (UE)

DIRECT the Shift Communciator to prepare the applicable Notification form for approval using the proper Emergency Event Code.

1.2 ALERT, SITE OR GENERAL EMERGENCY

1.2.1 PUBLIC ADDRESS ANNOUNCEMENTS (A,SE, GE)

DIRECT any available Control Room personnel to make the applicable Emergency Event announcement per EPIP:

SO123-VIII-30.2 "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS"

1.2.2 NOTIFICATIONS (A,SE,GE)

DIRECT the Shift Communicator to prepare the applicable Notification form for approval using the proper Emergency Event Code.

1.3 OPERATIONS LEADER (UE,A,SE,GE)

WHEN an individual can be released from mitigation efforts:

ASSIGN that individual as Operations Leader and direct him to implement EPIP:

SO123-VIII-30 "OPERATIONS LEADER DUTIES"

1.4 RECORD KEEPING (UE,A,SE,GE)

DIRECT Emergency Response Personnel to document all Emergency Coordinator decisions/actions required by EPIPs.

WHEN an individual can be released from mitigation efforts:

ASSIGN an individual to initiate and maintain a separate Log of Emergency Coordinator decisions/actions.

1.0 ACTIVATION - (UE,A,SE,GE) (INITIAL RESPONSE ONLY) (Continued)

1.5 TURNOVER PROCESS (UE,A,SE,GE)

1.5.1 OFF GOING EMERGENCY COORDINATOR (UE,A,SE,GE)

WHEN efforts to mitigate Emergency Conditions allow:

TURNOVER responsibilities as Emergency Coordinator to the Emergency Recall designee by reviewing the current status of the following:

Emergency Conditions/Corrective Actions

Equipment/Personnel Status

Existing Emergency Action Level

Notifications to Offsite Agencies

Offsite Protective Actions

Authorization to Exceed 10CFR 20 limits

1.5.2 ON COMING EMERGENCY COORDINATOR (UE,A,SE,GE)

OBTAIN the "Emergency Response Status Sheet" from the Emergency Planning Coordinator.

OBTAIN a turnover from the off going Emergency Coordinator.

IF an initial turnover is being conducted in the Control Room:

CONTINUE to coordinate Emergency Plan requirements from the Control Room until notified by the Emergency Planning Coordinator that the TSC is activated.

2.0 NOTIFICATION (UE,A,SE,GE)

2.1 AUTHORIZATION (UE,A,SE,GE)

AUTHORIZE the release of all Notification forms listed in 2.2 below by signature

2.2 TIME REQUIREMENTS (UE,A,SE,GE)

ENSURE that the Shift Communicator initiates notification to Offsite Agencies as indicated below:

EVENT NOTIFICATION (UE,A,SE,GE)

UE- Within 2 hours of Event declaration

A,SE,GE - Within 15 minutes of Event declaration

2.0 NOTIFICATION (UE,A,SE,GE) (Continued)

2.2 TIME REQUIREMENTS (UE,A,SE,GE) (Continued)

FOLLOW-UP NOTIFICATION (UE,A,SE,GE)

Every hour during transient plant conditions

NRC NOTIFICATION (UE,A,SE,GE)

Within one hour of Event declaration and as requested.

3.0 EVACUATION (UE,A,SE,GE)

3.1 LOCAL EVACUATION (UE,A,SE,GE)

IF conditions indicate that hazards exist (see Attachment 1), or an imminent potential for hazards exist, which will endanger personnel safety in a local area:

DIRECT the Operations Leader to implement actions for a Local Evacuation.

NOTE: IF a local hazard exists which poses immediate danger to personnel, a local evacuation will be ordered prior to informing the Emergency Coordinator.

IF the local area is an Emergency Response Facility (ERF):

DIRECT designated ERF Evacution Coordinators to ensure personnel evacuate to the alternate ERF:

ERF	UNIT(s)	ALTERNATE LOCATION	EVACUATION COORDINATOR
C/R	1	MAIN EXCITER ROOM	OPERATIONS LEADER
	2/3	EVACUATION SHUT-DOWN PANEL	OPERATIONS LEADER
TSC	1	UNITS 2/3 TSC	EMERGENCY PLANNING COORDINATOR
	2/3	UNIT 1 TSC	EMERGENCY PLANNING COORDINATOR
OSC	1	UNITS 2/3 OSC	EMERGENCY GROUP LEADER
	2/3	UNIT 2 El. 30' LOBBY AREA	EMERGENCY GROUP LEADER

CAUTION
=======
DIRECT evacuation of the Control Room only after all possible protective measures prove inadequate.

3.0 EVACUATION (Continued)

3.2 PRECAUTIONARY EVACUATION (UE,A,SE)

IF conditions indicate that hazards exist (see Attachment 1), or an imminent potential for hazards exist, which endanger personnel safety in:

Major portions of the Protected Area

Major portions of the Owner Controlled Area

State Beaches

CONSULT with Emergency Response personnel, with expertise particular to the Hazard, (see 3.4) to determine the necessity for implementing, respectively, a precautionary:

Plant Evacuation (Proceed to 3.3)

Site Evacuation (Proceed to 3.3)

Beach Evacuation (Proceed to 3.5)

3.3 PLANT OR SITE EVACUATION (A, SE, GE)

NOTE:

Definitions: PLANT EVACUATION - MANDATORY AT SITE EMERGENCY. Evacuation of non-essential personnel from the three unit Protected Area.

SITE EVACUATION - MANDATORY AT GENERAL EMERGENCY. Evacuation of non-essential personnel from the Owner Controlled Area and the Mesa.

ENSURE that the Emergency Planning Coordinator (EPC) (Security Leader if the EPC has not arrived yet) Coordinates P.A. Announcement/Siren Activation.

IF a Plant or Site Evacuation is ordered as a precautionary measure prior to the mandatory EAL:

DIRECT the Emergency Planning Coordinator (Security Leader if the EPC has not arrived yet) to ensure that all Emergency Response Personnel implement required actions.

ENSURE accountibility results are reported by the Security Leader of the affected and unaffected Plant within 30 minutes of the P.A. Announcement for a Plant or Site Evacuation.

3.0 EVACUATION (Continued)

3.3 PLANT OR SITE EVACUATION (A, SE, GE) (Continued)

CONSULT with the Health Physics Leader to determine whether evacuated personnel should:

Return to their normal work station or

Be sent home or

Be evacuated North or South.

ENSURE that the Emergency Planning Coordinator (Security Leader if the EPC has not arrived yet) coordinates announcements for a Site Evacuation.

3.4 RE-ENTRY (UE, A, SE, GE)

WHEN the source of the hazard initiating the evacuation has been stopped or reduced to a level which will allow personnel entry:

CONSULT with an Emergency Response Team Leader with expertise particular to the hazard (as designated below) to appoint a Re-entry Coordinator:

PLANT HAZARDS:
OPERATIONS LEADER

RADIOLOGICAL HAZARDS:
HEALTH PHYSICS LEADER

FIRE/SAFETY HAZARDS:
EMERGENCY PLANNING COORDINATOR

DIRECT the Emergency Group leader to organize a Re-entry team for the designated Re-entry Coordinator.

3.5 BEACH EVACUATION (UE,A)

IF recommended by the Health Physics Leader:

OR

IF a Site or General Emergency is declared:

OR

IF requested by the Pendleton Area State Parks:

DIRECT the Emergency Planning Coordinator (EPC) (Security Leader if the EPC has not arrived yet) to ensure that all required Emergency Response Team Leaders implement actions for a Beach Evacuation

4.0 PROTECTIVE ACTION GUIDES (A,SE,GE)

IF the existing EAL is an Alert and potential conditions indicate a possible need for local Offsite Agency action:

OR

IF a Site or General Emergency is declared:

DIRECT the Health Physics Leader to submit recommended Protective Actions for Emergency Coordinator approval.

5.0 EVENT CLASSIFICATION (UE,A,SE,GE)

5.1 EMERGENCY ACTION LEVELS (UE,A,SE,GE)

WHEN an Emergency Advisor arrives in the TSC:

DIRECT him to obtain headsets from the Emergency Equipment kit and man the Ivory Phone

DIRECT him to continuously monitor emergency conditions and make recommendations for reclassfication based on:

SO1(23)-VIII-1 "RECOGNITION AND CLASSIFICATION OF EMERGENCIES"

CAUTION ENSURE the proper Unit (SO1 or SO23) EPIP is used

5.2 RECLASSIFICATION (UE,A,SE,GE)

IF the existing Emergency Action Level (EAL) is changed:

DIRECT the Emergency Planning Coordinator (EPC) (Operations Leader if the EPC has not arrived yet) to:

ENSURE all Emergency Response Team Leaders are aware of the reclassification.

ENSURE all Emergency Response Team Leaders review their EPIPs for applicable actions.

5.3 EVENT CLOSE-OUT (UE,A,SE,GE)

WHEN emergency conditions have been corrected or are stable:

DIRECT the Emergency Advisor to implement Attachment 2 "Emergency Close Out Checklist".

6.0 EXPOSURE CONTROL (UE,A,SE,GE)

6.1 OVEREXPOSURE (UE,A,SE,GE)

IF required for Lifesaving or Protection of Public Health and Safety:

AUTHORIZE emergency workers to exceed 10CFR20 exposure limits.

IF emergency conditions dictate the need for immediate response of emergency workers:

AUTHORIZE overexposure verbally followed by signing Attachment 7 "Emergency Exposure Authorization Form" of SO123-VIII-40 "HEALTH PHYSICS LEADER DUTIES."

6.2 RESPIRATORY QUALIFICATIONS (UE,A,SE,GE)

IF the potential for severe airborne radiological hazards exist which would result in overexposure of Emergency Response personnel:

CONSIDER sending those non respirator qualified individuals home and recalling replacements.

7.0 EMERGENCY RESPONSE COORDINATION (UE,A,SE,GE)

7.1 EMERGENCY EQUIPMENT (UE,A,SE,GE)

7.1.1 IVORY PHONE

DIRECT the Emergency Advisor to:

ENSURE that requests from the TSC, OSC and EOF on the Ivory Phone are limited to that which cannot be obtained from the CFMS, Fox 3 or H/P Computers.

7.2 EMERGENCY RECALL (UE, A, SE, GE)

7.2.1 UNUSUAL EVENT (UE)

IF Emergency Conditions dictate the need for additional Emergency Response personnel:

DIRECT the Shift Communicator to activate required portions of the Station Emergency Recall list.

IF emergency conditions indicate an imminent reclassification to an alert:

DIRECT the Shift Communicator to activate:

SO23-VIII-70.1 "EMERGENCY RECALL."

7.0 EMERGENCY RESPONSE COORDINATION (UE,A,SE,GE) (Continued)

7.2.2 ALERT, SITE AND GENERAL EMERGENCIES (A,SE,GE)

IF emergency conditions dictate the need for additional Emergency Response Personnel:

DIRECT the Shift Communicator to contact the desired personnel.

7.3 RECORDS (UE,A,SE,GE)

7.3.1 LOGS (UE,A,SE,GE)

ENSURE that all Emergency Coordinator decisions/actions required to mitigate Emergency Conditions are recorded in a log.

7.4 TURNOVER (UE,A,SE,GE)

IF another turnover must be conducted after the initial one:

REVIEW and implement step 1.5 of this EPIP

8.0 EOF COORDINATION (A, SE, GE)

8.1 ACTIVATION AND OPERATION (A, SE, GE)

8.1.1 PLANT STATUS (A,SE, GE)

WHEN emergency conditions allow:

REQUEST that the Manager of Nuclear Operations or his designee report the plant status/emergency response actions in progress to the Vice President NE&O in the EOF via the white phone (Edison Decision Circuit)

8.1.2 MUTUAL AID AGREEMENT (A, SE, GE)

IF mitigation efforts dictate the need for additional manpower and resources as indicated in Exhibit A, "Radiological Emergency Mutual Assistance Agreement", of the Emergency Plan:

REQUEST that Manager of Nuclear Operations or his designee contact the Manager, Nuclear Affairs and Emergency Planning activate the Radiological Mutual Assistance Agreement.

8.0 EOF COORDINATION (A, SE, GE) (Continued)

8.2 RECOVERY ORGANIZATION (A, SE, GE)

8.2.1 PREREQUISITES

CONSIDER forming a Recovery Organization when:

The need for Emergency Response Activities is significantly reduced. The Event may or may not be closed out.

AND

Plant operations cannot be resumed with the normal station organization (see 8.2.2 below)

AND

Emergency Conditions are under control as follows:

NSSS and support systems are in a safe, stable condition.

AND

Radioactive releases are under control, inplant radiation leaks are stable or decreasing with time.

8.2.2 STAFFING AND EQUIPMENT

DIRECT all Emergency Response Team Leaders to:

PROVIDE a list of damages (particular to their respective discipline) which would prevent plant operations from being resumed with the Normal Station Organization

AND

MAKE recommendations for the composition of the Recovery Organization.

8.2.3 RECOVERY MANAGER APPOINTMENT

BASED on 8.2.2 above:

DISCUSS Station needs for a Recovery Organization with the Manager of Nuclear Operations (or his designee).

REQUEST the Manager of Nuclear Operations to:

CONTACT the Vice President, NE&O, at the EOF and recommend that a Recovery Organization be implemented and a Recovery Manager appointed.

8.0 EOF COORDINATION (A, SE, GE) (Continued)

8.2.4 COMMAND TRANSITION

WHEN a Recovery Manager and Organization has been appointed:

DIRECT the Shift Communicator to:

MAKE the Recovery Organization Announcement per:

SO123-VIII-30.2 "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS"

MAKE notifications to offsite agencies of the organization change.

9.0 UNAFFECTED PLANT: NO SUPPORT REQUIRED

HAZARDS REQUIRING CONSIDERATION OF EVACUATION

A. RESPONSIBILITY: ALL EMERGENCY RESPONSE PERSONNEL

B. OBJECTIVE: Provide indications of potential and actual hazards by which to determine the need for an evacuation

ARMS

Hi alarm(s) on an Area Radiation Monitoring System (ARMS) alarm, or:

AIRBORNE MONITORS

A building or containment ventilation monitor(s) indicates airborne activity in excess of 10MPC, or:

CAMS

Alarm on portable radiation monitors and/or Continuous Air Monitors (CAMS), or:

SPILLS

Localized spills of radioactive material with sufficient magnitude to result in personnel exposure, or:

FIRE

Fire in any occupied area, or:

GASES

Toxic or flammable gases or heavy smoke observed or reported in any area, or:

CHEMICALS

Chemical hazards to personnel in any area; or

HIGH PRESSURE LEAKS

High Pressure steam or water leaks

ADVERSE WEATHER

Adverse weather conditions, such as floods, hurricanes, or tornados are expected to occur. In the case of adverse weather, advance weather warnings will normally provide adequate time for an orderly dismissal of plant personnel, without the need for evacuation.

EMERGENCY CLOSE OUT CHECKLIST

A. RESPONSIBILITY: Emergency Advisor

B. OBJECTIVE: Provide the Emergency Advisor with criteria which must be met for Event close out.

C. ACTIONS: Verify the below listed criteria from each respective Emergency Response Team Leader.

1. EMERGENCY COORDINATOR SUPPORT — CRITERIA MET

   a. The initiating condition is no longer at an Emergency Action Level described in SO1(23)-VIII-1 "RECOGNITION AND CLASSIFICATION OF EMERGENCIES" (EA-TSC). _____

   b. The initiating condition is known and is: (EA-TSC)
      1. Under control, stable

      OR

      2. Corrected. _____

2. EMERGENCY PREPAREDNESS SUPPORT:

   a. Fires are extinguished (EPC-TSC) _____

   b. Contaminated injured personnel have been transported to the hospital. (EPC-TSC) _____

3. OPERATIONS SUPPORT:

   a. Actions to correct equipment malfunction/ damage have commenced or are completed. (OL-C/R) _____

4. HEALTH PHYSICS SUPPORT:

   a. Radiation levels and airborne concentrations in all areas are stable or decreasing. (HPL-TSC) _____

C. ACTIONS: (Continued)

5. TECHNICAL SUPPORT:

a. Reactor Core is in the mode required by technical specifications or will be in 12 hours. _____

6. SECURITY SUPPORT:

a. There no longer remains any security threat on site. (SL-TSC) _____

7. ADMINISTRATIVE SUPPORT:

a. No criteria for close out. _____

8. MAINTENANCE SUPPORT:

a. Damage due to any natural catastrophes is under control or has been corrected. (EGL-OSC) _____

D. APPROVAL

1. Criteria for close out of Existing Event _____ - No. _____ - ____
(e.g. UE-1-81) Event Level Sequential Number Year

SUBMITTED: _____
Emergency Advisor

APPROVED: _____
Emergency Coordinator

2. UPON approval:

DIRECT the Shift Communicator to:

a. MAKE notifications to Offsite Agencies.

b. MAKE a P.A. announcement terminating the Emergency Event per EPIP SO123-VIII-30.2, "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS".

EMERGENCY PLANNING COORDINATOR DUTIES

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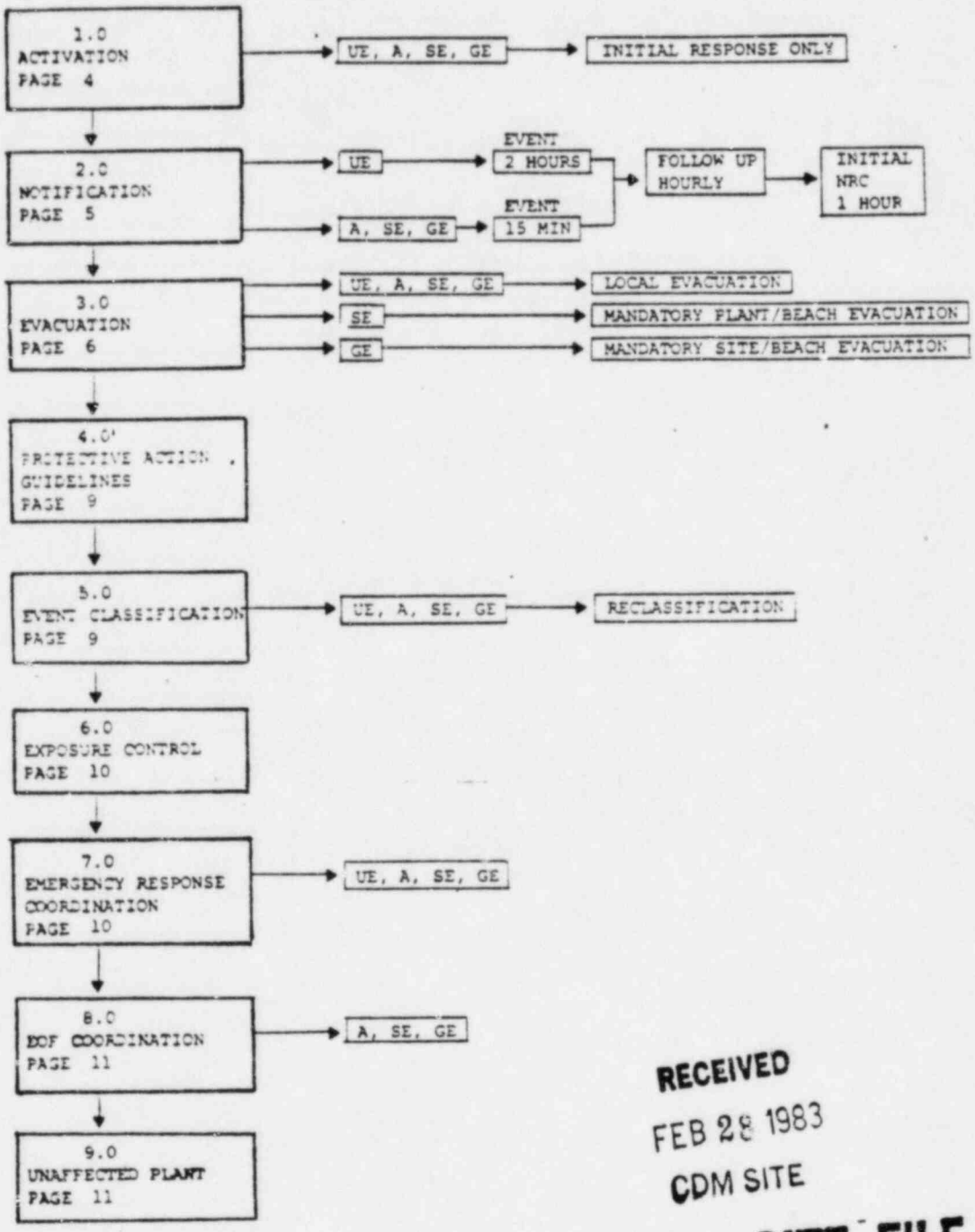

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PREPARED BY: DD Bennette 2-23-83 APPROVED BY: W C Moody 2/24/83
PROCEDURE WRITER DATE W. C. MOODY DATE
DEPUTY STATION MANAGER

EMERGENCY PLANNING COORDINATOR DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: STATION MANAGER, EMERGENCY PREPAREDNESS

2. EMERGENCY RECALL: STATION MANAGER, EMERGENCY PREPAREDNESS

B. OBJECTIVES

1. Provide guidance for the direction of Emergency Preparedness Support by the Emergency Planning Coordinator.

C. PRECAUTIONS

1. EMERGENCY COORDINATOR RESPONSIBILITIES

Ensure that Emergency Coordinator authorization is obtained for the following:

a. EMERGENCY EVENT DECLARATION

b. NOTIFICATION FORMS APPROVAL

c. PRECAUTIONARY PLANT OR SITE EVACUATION

d. OFFSITE PROTECTIVE ACTION RECOMMENDATIONS

e. EXCEEDING 10CFR20 EXPOSURE LIMITS

2. EVENT RECLASSIFICATION

a. PROCEDURE REVIEW

FOLLOWING each reclassification:

REVIEW section 2.0-9.0 of this EPIP

CHECK OFF the Emergency Action Level (EAL) at which each step was implemented as follows:

PLACE an "X" through EAL Code following each step in parenthesis

(UE) - Unusual Event (A) - Alert

(SE) - Site Emergency (GE) - General Emergency

REVIEW sections 2.0-9.0 of this EPIP as frequently as possible during each EAL to ensure applicable actions are implemented.

D. ATTACHMENTS

1. Emergency Services Leader Duties
2. Personnel Accountability Form
3. Emergency Response Status Sheet
4. Evacuation Hazards
5. Evacuation P. A. Announcement/Siren Coordination

1.0 ACTIVATION - (UE,A,SE,GE) (INITIAL RESPONSE ONLY)

1.1 EMERGENCY DUTY STATION - (UE,A,SE,GE)

REPORT to the TSC.

OBTAIN the Emergency Planning Coordinator notebook.

DIRECT the Shift Captain to implement Attachment 1 "Emergency Services Leader Duties".

1.2 RECORDKEEPING - (UE,A,SE,GE)

WHEN emergency conditions will allow:

ENSURE that a log is initiated and maintained.

RECORD the name of the Emergency Planning Coordinator.

DOCUMENT actions required:

To mitigate Emergency Conditions

By Fire Protection Procedures (XIII series)

By EPIPs (VIII series)

1.3 EQUIPMENT TESTING (UE,A,SE,GE)

1.3.1 TELECOMMUNICATIONS (UE,A,SE,GE)

.1 IVORY PHONE (UE,A,SE,GE)

TEST the Ivory Phone as follows:

CONTACT the Affected Unit Control Room (Emergency Response Telephone Directory (ERTD, Tab B)

REPORT that the Emergency Planning Coordinator (EPC) is standing by to offer assistance.

.2 PAX/BELL PHONES (UE,A,SE,GE)

TEST all Pax/Bell phones assigned to the EPC by contacting an individual listed in the ERTD Tab C.

.3 REPAIR SERVICE (UE,A,SE,GE)

REPORT any problems to the Telecommunication Test Board (see ERTD Tab M).

1.0 ACTIVATION - (UE,A,SE,GE) (INITIAL RESPONSE ONLY) (Continued)

1.4 ACCOUNTABILITY (A,SE,GE)

ENSURE that all Emergency Preparedness and Senior Management Personnel in the TSC have signed the Personnel Accountability Form (Attachment 2). (Extra copies in the Emergency Planning Coordinator Notebook.)

ENSURE that the Personnel Accountability Form remains current as personnel changes occur.

1.5 TURNOVER PROCESS (UE,A,SE,GE)

OBTAIN a copy of Attachment 3 "Emergency Response Status Sheet"

OBTAIN turnover information from each discipline listed.

IF any Emergency Response Team Leader positions have not been filled:

VERIFY that the AWS Switchboard operator has contacted an individual for the position

IMPLEMENT the respective Leaders duties EPIP until an individual arrives to fill the position.

REPORT turnover information to the on coming Emergency Coordinator as soon as complete.

If an initial turnover is being conducted:

INFORM the Emergency Coordinator in the Control room that the TSC is activated when:

The Ivory Phone has a designated individual to man it continuously;

Dose assesment capability exists;

Offsite notification capability exists.

2.0 NOTIFICATION

2.1 COORDINATION (UE,A,SE,GE)

WHEN requested by the Shift Communicator:

PROVIDE Emergency Preparedness information for Notification forms

PROVIDE this information within the time requirements of section 2.2 below

VERIFY that notification from authorized by the Emergency coordinator have been properly input into the teletype.

2.0 NOTIFICATION (Continued)

2.2 TIME REQUIREMENTS (UE,A,SE,GE)

ENSURE that required information from Emergency Preparedness is provided to the Shift Communicator such that notification can be initiated as follows:

EVENT NOTIFICATION
UE- Within 2 hours of Event declaration
A,SE,GE - Within 15 minutes of Event declaration

FOLLOW-UP NOTIFICATION (UE,A,SE,GE)
Every hour during transient plant conditions

NRC NOTIFICATION (UE,A,SE,GE)
Within one hour of Event declaration and as requested.

3.0 EVACUATION (UE,A,SE,GE)

3.1 LOCAL EVACUATION (UE,A,SE,GE)

IF Conditions indicate that Fire/Safety hazards exist. (See Attachment 4), or an imminent potential for these hazards exist, which will endanger personnel safety in a local area:

CONTACT the Operations Leaders and request that he implement actions for a Local Evacuation.

DIRECT the Emergency Services Leader to dispatch ESOs to the scene of the hazard and coordinate efforts with the Operator in charge.

REPORT the hazard to the Emergency Coordinator.

IF the local area is the TSC:

ENSURE personnel evacuate to the alternate TSC as follows:

Unit(s)	Alternate Location
1	Units 2 & 3 TSC
2 & 3	Unit 1 TSC

IF Emergency Conditions of the TSC allow an orderly evacuation:

DIRECT Emergency Response Personnel to remove Unit related documents to the alternate location.

3.0 EVACUATION (Continued)

3.2 PRECAUTIONARY EVACUATION (A,SE)

IF conditions indicate that fire/safety hazards exist (see attachment 4), or an imminent potential for hazards exist, which endanger personnel safety in:

Major portions of the Protected Area

Major portions of the Owner Controlled Area

State Beaches

RECOMMEND that the Emergency Coordinator order, repectively, a precautionary:

Plant Evacuation (Proceed to 3.3)

Site Evacuation (Proceed to 3.3)

Beach Evacuation (Proceed to 3.5)

3.3 PLANT OR SITE EVACUATION (A, SE, GE)

NOTE: Definitions:

SITE EVACUATION - MANDATORY AT SITE EMERGENCY. Evacuation of non-essential personnel from the three unit Protected Area.

PLANT EVACUATION - MANDATORY AT GENERAL EMERGENCY. Evacuation of non-essential personnel from the Owner Controlled Area and the Mesa.

3.3.1 COORDINATION (A, SE, GE)

IF a Plant or Site evacuation has been initiated prior to arrival in the TSC:

VERIFY that the Security leader has coordinated required P. A. announcement/siren activation.

IF a Plant of Site evacuation is ordered after arrival in the TSC:

COORDINATE P.A. Announcement/Siren activation per attachment 5. "Evacuation P.A. Announcement/Siren Coordination."

IF the Plant or Site Evacuation is ordered as a precautionary measure prior to the mandatory EAL (see definitions above):

ENSURE that Emergency Response Personnel implement required actions.

3.0 EVACUATION (Continued)

3.3.2.1 ACCOUNTABILITY (A, SE, GE)

WITHIN 15 minutes of the P.A. announcement for Plant or Site Evacuation:

PROVIDE Personnel Accountability Form (attachment 2) for Emergency Preparedness and Senior Management personnel in the TSC to the Administrative Leader.

.2 RESCUE (A, SE, GE)

IF the Security Leader reports any personnel missing:

DETERMINE from the immediate supervisors of the missing personnel their last known location.

DIRECT the Emergency Group Leader to form a rescue team and send it to the last known location.

.3 MESA EVACUATION

When a Site Evacuation is ordered by the Emergency Coordinator:

INFORM the Emergency Service Leader (ESL) of the direction for evacuation.

DIRECT the ESL to dispatch the command vehicle to the MESA to evacuate personnel.

3.4 RE-ENTRY (UE, A, SE, GE)

IF the hazard initiating the evacuation was Fire/Safety in nature and has been stopped or reduced to a level which will allow personnel entry:

RECOMMEND that the Emergency Coordinator designate the Emergency Services Leader to act as Re-entry Coordinator.

3.0 EVACUATION (Continued)

3.5 BEACH EVACUATION (UE, A, SE, GE)

IF a Site or General Emergency is declared

OR

IF a Beach Evacuation is ordered by the Emergency Coordinator:

IMPLEMENT required action per step 3 of Attachment 5 "Evacuation P.A. Announcement/Siren Coordination."

4.0 PROTECTIVE ACTION GUIDES: NO SUPPORT REQUIRED

5.0 EVENT CLASSIFICATION (UE, A, SE, GE)

5.1 EMERGENCY ACTION LEVELS (UE, A,SE, GE)

COMPARE emergency conditions continuously and make recommendations for reclassification to the Emergency Advisor per TABS E&G OF EPIP:

SO1(23)-VIII-1 "RECOGNITION AND CLASSIFICATION OF EMERGENCIES

CAUTION
=======
ENSURE the proper Unit (SO1 or SO23) EPIP is used.

5.2 RECLASSIFICATION (UE, A, SE, GE)

IF the existing Emergency Action Level (EAL) is changed:

ENSURE ALL Emergency Response Team Leaders are aware of the reclassification.

ENSURE all Emergency Response Team Leaders review their EPIPs for applicable actions.

5.3 EVENT CLOSE-OUT (UE, A, SE, GE)

WHEN emergency conditions have been corrected or are stable:

PROVIDE the Emergency Advisor with information per the "Emergency Close Out Checklist". Attachment 2 of SO127-VII-10 "Emergency Coordinator Duties".

6.0 EXPOSURE CONTROL: No support required

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE)

7.1 EMERGENCY RECALL (UE, A, SE, GE)

7.1.1 UNUSUAL EVENT (UE)

IF emergency conditions dictate the need for additional Emergency Preparedness personnel:

Direct the Shift Communicator to activate required portions of the Station Emergency Recall list.

IF emergency conditions indicate imminent reclassification to an Alert:

RECOMMEND that the Emergency Coordinator direct the Shift Communicator to implement SO123-VIII-70.1 "EMERGENCY RECALL."

7.1.2 ALERT, SITE AND GENERAL EMERGENCIES (A, SE, GE)

IF emergency conditions dictate the need for additional Emergency Preparedness personnel:

DIRECT the Shift Communicator to contact the desired personnel.

7.2 RECORDS (UE, A, SE, GE)

7.2.1 LOGS (UE, A, SE, GE)

ENSURE that all Emergency Response Team Leaders maintain a log, as per section 1.2 of their respective EPIP.

7.2.2 RECORD RETRIEVAL (UE, A, SE, GE)

OBTAIN all completed checklists and logs from the Shift Communicator following event closeout.

7.3 TURNOVER (UE, A, SE, GE)

IF another turnover must be conducted after the initial one:

REVIEW and implement steps 1.5 of this EPIP.

7.4 ACCOUNTABILITY (A, SE, GE)

ENSURE that Personnel Accountability Forms (attachment 2) are maintained current.

8.0 EOF COORDINATION (A, SE, GE)

8.1 ACTIVATION AND OPERATION (A, SE, GE)

When notified that the EOF has been activated:

VERIFY the EDC (Edison Decision Circuit-White Phone) is operational.

8.2 RECOVERY ORGANIZATION

WHEN requested by the Emergency Coordinator:

PROVIDE a list of any Emergency Preparedness equipment, which due to accident damage, would prevent plant operations from being resumed with the normal Station Organization.

AND

PROVIDE recommendations for additional Emergency Preparedness manpower and equipment necessary for a Recovery Organization.

9.0 UNAFFECTED PLANT: NO SUPPORT REQUIRED

EMERGENCY SERVICES LEADERS DUTIES

1.0 ACTIVATION (UE, A, SE, GE)

Senior Emergency Services Officer (ESO)

1.1 Unusual Event

REPORT to the Operations Support Center.

INFORM Senior Maintenance individual in the OSC of your arrival.

STANDBY To provide Fire/Rescue Medical Support upon request.

1.2 Alert, Site and General Emergencies

RELOCATE Station Fire Truck and ambulance to a location adjacent to the affected unit.

ENSURE Hose Packs, Bio Packs, Survi-Air Rescue equipment and Turn-Out protective clothing is immediately available within the Operations Support Center.

ENSURE all on duty Emergency Services OFficers report to the Operations Support Center.

IMPLEMENT step 1.4 of this procedure for ESO's in the OSC.

ENSURE that Emergency Dispatch Operator is aware of the Relocation.

MAINTAIN radio contact with the Emergency Dispatch Operator at all times.

REPORT to the Emergency Group Leader and standby for further direction.

2.0 EMERGENCY SERVICES SUPPORT COORDINATION

2.1 56911 Notification/Response

IF a report of a fire/medical emergency is received from the Emergency Dispatch Operator:

Notify Emergency Group Leader of your response and destination

2.0 EMERGENCY SERVICES SUPPORT COORDINATION (Continued)

2.2 Emergency Event Response

WHEN ESO support is requested by the Emergency Group Leader:

OBTAIN information regarding expected hazards

ASSEMBLE personnel that are assiged to the team;

PROVIDE a brief of assigned task and potential safety hazards such as:

Toxic Gas Leaks

Fire Ignition Sources

Steam Leaks

Radiological Hazards

ENSURE team has been equipped with all of the tools and equipment to complete the assigned tasks.

ENSURE all safety related equipment is operational and complete

2.1.3 Procedurel Coordination

ENSURE all personnel within the Emergency Preparedness Section are aware only of the contents of the below listed procedures during emergency response:

Fire Protection Procedure SO1(23)-XIII-10 "FIREFIGHTING"

Fire Protection Procedure SO123-XIII-30, "RESCUE"

Fire Protection Procedure SO123-XIII-25, "PERSONNEL INJURY"

2.1.4 Local Area Evacuation

IF conditions indicate that Fire/Safety hazards exist which will endanger personnel safety in a local area:

REQUEST that the Emergency Group Leader direct the Operations Leader to implement action for a local evacuation.

DISPATCH Emergency services officers to the local area and coordinate with the Operator in charge.

2.0 EMERGENCY SERVICES SUPPORT COORDINATION (Continued)

ENSURE that the Emergency Group Leader is kept current on the evacuation/corrective action status.

2.1.5 Plant or Site Evacuation

WHEN a Plant or Site Evacuation is declared:

PROVIDE a copy of the current Personnel Accountability form (Attachment 2) to the Emergency Group Leader.

WHEN a Plant Evacuation is ordered.

DISPATCH an ESO with the command vehicle to the Mesa and direct him to warn personnel of the Plant Evacuation and possible Site Evacuation.

WHEN a Site Evacuation is ordered:

OBTAIN the Evacuation directions from the Emergency Planning Coordinator.

DIRECT the ESO in the command vehicle to evacuate personnel from the Mesa, accordingly.

PERSONNEL ACCOUNTABILITY FORM

PRINTED NAME (LAST, FIRST, MIDDLE INITIAL)	BADGE #	SLOT #	LOCATION (OSC/TSC/CR)	RESPIRATOR QUALIFIED (YES/NO)

INSTRUCTIONS: THIS FORM TO BE SUBMITTED DIRECTLY TO THE SECURITY LEADER WITHIN FIFTEEN (15) MINUTES OF THE FIRST PUBLIC ADDRESS ANNOUNCEMENT FOR A PLANT/SITE EVACUATION.

EMERGENCY RESPONSE STATUS SHEET

A. RESPONSIBILITY: Emergency Planning Coordinator

B. OBJECTIVE: Provide the Emergency Planning Coordinator with a form on which to record Onsite Emergency Response Status for the Oncoming Emergency Coordinator.

C. ACTIONS: Obtain a status of Emergency Response Actions from the below listed Emergency Response Team Leaders as follows:

For initial activation of the Station Emergency Response Organization verify that Section 1 of each leaders EPIP has been implemented and record any problems.

For subsequent turnovers of the Emergency Coordinator verify that each respective leader has been relieved if one is planned. Obtain an overview of emergency response activities in progress.

1. EMERGENCY COORDINATOR SUPPORT

Emergency Coordinator (verify last on initial turnover only)

2. EMERGENCY PREPAREDNESS SUPPORT

Emergency Planning Coordinator

Emergency Services Leader

3. OPERATIONS SUPPORT

Shift Communicator

4. HEALTH PHYSICS SUPPORT

Health Physics Leader

Health Physics Foreman

5. TECHNICAL SUPPORT

Technical Leader

Chemistry Coordinator

6. SECURITY SUPPORT

Security Leader

7. ADMINISTRATIVE SUPPORT

Administrative Leader

8. MAINTENANCE SUPPORT

Emergency Group Leader

EMERGENCY RESPONSE STATUS SHEET

When Sections 1-8 are complete, report to the on-shift Emergency Coordinator and give him this status sheet.

D. TURNOVER: Assume responsibility as Emergency Coordinator and make the following announcement:

"Attention all personnel in the _____.
Control Room/TSC

This is _____.
(Name)

I am assuming the duties of Emergency Coordinator.

E. NOTIFICATION: Direct the Emergency Planning Coordinator to notify Emergency Response Team leaders in the C/R, TSC and OSC of the change in command.

CAUTION
=======
INITIAL RELIEF ONLY: The Emergency Coordinator should remain in the Control Room to coordinate Emergency Plan requirements. Transfer Emergency Plan Coordination to the TSC when notified it is operational by the Emergency Planning Coordinator.

EVACUATION HAZARDS

A. RESPONSIBILITY: ALL EMERGENCY RESPONSE PERSONNEL

B. OBJECTIVE: Provide indications of potential and actual hazards by which to determine the need for an evacuation

ARMS

Hi alarm(s) on an Area Radiation Monitoring System (ARMS) alarm, or:

AIRBORNE MONITORS

A building or containment ventilation monitor(s) indicates airborne activity in excess of 10MPC, or:

CAMS

Alarm on portable radiation monitors and/or Continuous Air Monitors (CAMS), or:

SPILLS

Localized spills of radioactive material with sufficient magnitude to result in personnel exposure, or:

FIRE

Fire in any occupied area, or:

GASES

Toxic or flammable gases or heavy smoke observed or reported in any area, or:

CHEMICALS

Chemical hazards to personnel in any area; or

HIGH PRESSURE LEAKS

High Pressure steam or water leaks

ADVERSE WEATHER

Adverse weather conditions, such as floods, hurricanes, or tornados are expected to occur. In the case of adverse weather, advance weather warnings will normally provide adequate time for an orderly dismissal of plant personnel,without the need for evacuation.

EVACUATION P.A. ANNOUNCEMENT/SIREN COORDINATION

A. RESPONSIBILITY:

Primary: Emergency Planning Coordinator

Alternate: Security Leader

B. OBJECTIVE: Provide guidance for coordination of P.A. Announcement/Siren activation following a Plant or Site Evacuation.

C. ACTIONS:

1. PLANT EVACUATION

a. DIRECT the Shift Communicator to make the plant and beach evacuation P.A. Announcement, respectively.

b. ENSURE that Shift Communicator obtains the proper Health Physics information for all announcements.

c. WHEN all P.A. announcements have been made:

Direct the Operations Leader to activate the plant evacuation siren.

Direct the Operations Leader of the unaffected plant to activate the plant evacuation siren.

a. INFORM the Emergency Coordinator that all announcements/siren activation is complete.

2. SITE EVACUATION

a. IF a Site Evacuation was ordered without being preceded by a plant evacuation:

IMPLEMENT all the steps for Section 1 replacing a Site Evacuation Announcement for the Plant Evacuation.

b. IF a Site Evacuation was ordered after being preceded by a plant evacuation:

DO NOT implement any actions for a beach evacuation.

REPEAT all the steps for Section 1 replacing a Site Evacuation Announcement for the plant evacuation.

3. BEACH EVACUATION

a. IF a Beach Evacuation Announcement is ordered prior to a Plant or Site evacuation:

Direct the Shift Communicator to make the "Beach Evacuation: Site Announcement". "Attachment 15, SO123-VIII-30.2, "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS."

Direct the Security Leader to make the beach evacuation announcement and then activate sirens

b. REPORT the completion of all actions to the Emergency Coordinator.

OPERATIONS LEADER DUTIES

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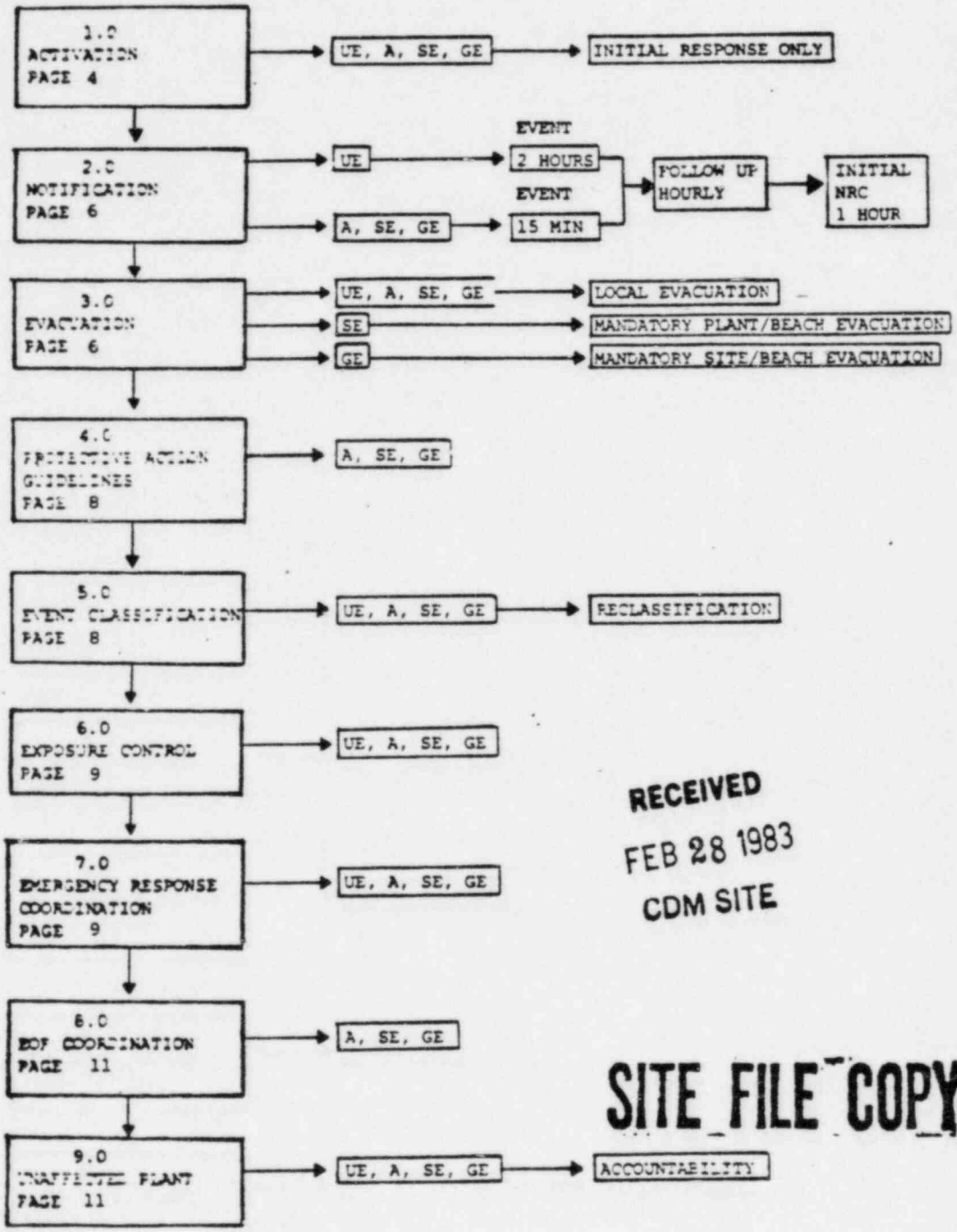

PAGES CHANGED WITH THIS REVISION: NEW

PREPARED BY: C K Anderson 2/23/83 APPROVED BY: W C Moody 2/24/83
PROCEDURE WRITER DATE W. C. MOODY DATE
DEPUTY STAION MANAGER

OPERATIONS LEADER DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: DESIGNATED CONTROL ROOM PERSONNEL

2. EMERGENCY RECALL: UNIT SUPERINTENDENT

3. UNAFFECTED PLANT: SHIFT SUPERVISOR

B. OBJECTIVES

1. Provide guidance for the Operations Leader to direct Emergency Response Activities during an Emergency Condition at San Onofre Nuclear Generating Station.

C. PRECAUTIONS

1. EMERGENCY COORDINATOR RESPONSIBILITIES

Emergency Coordinator approval is required for the following:

a. EMERGENCY EVENT DECLARATION

b. NOTIFICATION FORM APPROVAL

c. PRECAUTIONARY PLANT OR SITE EVACUATION

d. OFFSITE PROTECTIVE ACTION RECOMMENDATIONS

e. EXCEEDING 10CFR20 EXPOSURE LIMITS

2. EVENT RECLASSIFICATION

a. PROCEDURE REVIEW

FOLLOWING each reclassification:

REVIEW Sections 2.0-9.0 of this EPIP

CHECK OFF the Emergency Action Level (EAL) at which each step was implemented as follows:

PLACE an "X" through EAL code in parenthesis
(UE) - Unusual Event
(A) - Alert
(SE) - Site Emergency
(GE) - General Emergency

REVIEW Sections 2.0-9.0 of this EPIP as frequently as possible during each EAL to ensure applicable actions are implemented.

PROCEDURE COORDINATION (Continued)

D. ATTACHMENTS

1. Personnel Accountability Form

2. Evacuation Hazards

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1.0 ACTIVATION (UE, A, SE, GE) (INITIAL RESPONSE ONLY)

1.1 EMERGENCY DUTY STATION (UE, A, SE, GE)

REPORT to the Control Room

OBTAIN the Operations Leader's notebook

1.2 RECORD KEEPING (UE, A, SE, GE)

WHEN emergency conditions allow:

ENSURE that a log is initiated and maintained

RECORD the name of the Operations Leader

DOCUMENT all actions required:

To mitigate Emergency Conditions

By EPIPs

1.3 EQUIPMENT TESTING (UE, A, SE, GE)

1.3.1 TELECOMMUNICATIONS EQUIPMENT (UE, A, SE, GE)

.1 IVORY PHONE (UE, A, SE, GE)

ASSIGN an individual to:

OBTAIN headsets from the Control Room, Emergency Equipment Kit. (See the Emergency Equipment Inventory List (EEIL) for location.)

MAN the Ivory Phone continuously. (See the Emergency Response Telephone Directory (ERTD) Tab B for operating instructions).

INFORM Emergency Response personnel of emergency conditions as requested

INFORM the Unaffected Plant of the emergency event and classification.

CONFIRM that the Unaffected Plant Shift Supervisor is implementing Section 9.0 of this procedure.

.2 REPAIR SERVICE (UE, A, SE, GE)

REPORT equipment malfunction to the Telecommunications Test Board (see ERTD Tab M).

1.0 ACTIVATION (UE, A, SE, GE) (INITIAL RESPONSE ONLY) (Continued)

1.3.2 COMPUTER EQUIPMENT (UE, A, SE, GE)

.1 SAFETY PARAMETER DISPLAY SYSTEM (SPDS) (UE, A, SE, GE)

Unit 1: FOX 3

Units 2 & 3: CFMS

ASSIGN an individual to monitor safety parameters.

TEST all SPDS equipment for operability.

.2 REPAIR SERVICE (UE, A, SE, GE)

CONTACT the Onshift Computer Technician for any problem (see ERTD Tab D).

1.4 ACCOUNTABILITY (A, SE, GE)

ENSURE that all Operations personnel assigned to the Control Room have filled out the Personnel Accountability Form. (Attachment 1, extras in the Operations Leader's notebook).

ENSURE that the Personnel Accountability Form is kept current as personnel changes occur.

1.5 TURNOVER PROCESS (UE, A, SE, GE)

WHEN the Emergency Recall Operations Leader arrives:

TURNOVER responsibility by reviewing the current status of the following:

Event classification and description

EOI's that are being implemented and their status

Equipment/Personnel status

Operations Leader log

Radiological conditions and other personnel hazards

Emergency Response Team status in the OSC

RECORD completion of the turnover in the Operations Leader Log

REPORT completion of the turnover to the Emergency Planning Coordinator.

2.0 NOTIFICATION (UE, A, SE, GE)

2.1 COORDINATION (UE, A, SE, GE)

WHEN requested by the Shift Communicator:

PROVIDE Operations information for Notification forms

PROVIDE this information within the time requirements of section 2.2 below

2.2 TIME REQUIREMENTS (UE, A, SE, GE)

ENSURE that required information from Operations is provided to the Shift Communicator such that notification can be initiated as follows:

EVENT NOTIFICATION
UE - Within 2 hours of Event declaration
A, SE, GE - Within 15 minutes of Event declaration

FOLLOW-UP NOTIFICATION (UE, A, SE, GE)
Every hour during transient plant conditions

NRC NOTIFICATION (UE, A, SE, GE)
Within one hour of Event declaration and as requested.

3.0 EVACUATION (UE, A, SE, GE)

3.1 LOCAL EVACUATION (UE, A, SE, GE)

IF conditions indicate that operational hazards exist, (see Attachment 2), or potential for these hazards exist, which will endanger personnel safety in a local area:

IMPLEMENT EMERGENCY PROCEDURE SO123-VIII-32, "LOCAL AREA EVACUATION AND ACCOUNTABILITY"

REPORT the hazard to the Emergency Coordinator

IF Control Room Evacuation is necessary:

IMPLEMENT EOI SO1-1.7-4/SO23-3.5-18, "SHUTDOWN FROM OUTSIDE CONTROL ROOM"

REMOVE the following items from the Control Room:

Operations Leader's log

Shift Supervisor's log

Control Operator's log

Hand-held radios

Personnel Accountability Form

3.0 EVACUATION (Continued)

3.2 PRECAUTIONARY EVACUATION (UE, A, SE)

IF conditions indicate that operational hazards exist (see Attachment 2), or a potential for hazards exist, which endanger personnel safety in:

Major portions of the Protected Area

Major portions of the Owner Controlled Area

State Beaches

RECOMMEND that the Emergency Coordinator order, respectively, a precautionary:

Plant Evacuation (Proceed to 3.3)

Site Evacuation (Proceed to 3.3)

Beach Evacuation

3.3 PLANT OR SITE EVACUATION (A, SE, GE)

NOTE: PLANT EVACUATION - MANDATORY AT SITE EMERGENCY. Evacuation of non-essential personnel from the three unit protected area.

SITE EVACUATION - MANDATORY AT GENERAL EMERGENCY. Evacuation of non-essential personnel from the owner controlled area and the Mesa.

3.3.1 REQUIRED ACTIONS (A, SE, GE)

.1 EMERGENCY SIREN (A, SE, GE)

WHEN notified by the Emergency Planning Coordinator or Security Leader that all Emergency Public Address Announcements for Plant, Site (and Beach, if required) are complete:

ACTIVATE the Emergency Siren

IF the Emergency Siren is activated by SIAS

AND

IF Plant/Site Evacuation is unnecessary

MAKE a Public Address Announcement to disregard the siren (see SO123-VIII-30.2 Tab 16)

3.0 PLANT OR SITE EVACUATION (Continued)

3.3.1.2 ACCOUNTABILITY (A, SE, GE)

WITHIN 15 minutes of the P. A. announcement for Plant or Site Evacuation:

PROVIDE one copy of Personnel Accountability Form for Operations personnel to the Security Leader in the TSC.

3.4 RE-ENTRY (UE, A, SE, GE)

ADVISE the Emergency Coordinator of the Operational considerations for re-entry of evacuated areas

PROVIDE qualified personnel to support re-entry of evacuated areas.

4.0 PROTECTIVE ACTION GUIDELINES (A, SE, GE)

PROVIDE Plant parameters to the Technical and Health Physics Leaders as requested to aid in determining PAG's.

5.0 EVENT CLASSIFICATION (UE, A, SE, GE)

5.1 EMERGENCY ACTION LEVELS (UE, A, SE, GE)

REVIEW TABS A, B, C, D, E, AND G of SO1(23)-VIII-1, "RECOGNITION AND CLASSIFICATION OF EMERGENCIES".

CAUTION
=======

ENSURE the proper Unit (SO1 or SO23) EPIP is used.

INFORM the Emergency Advisor of changing conditions which affect the event classification.

5.2 EVENT CLOSE OUT (UE, A, SE, GE)

WHEN requested by the Emergency Advisor:

ADVISE the Emergency Advisor of plant conditions and operations which pertain to event close out.

6.0 EXPOSURE CONTROL (UE, A, SE, GE)

ENSURE at all times that personnel maintain radiation exposure as low as reasonably achievable.

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE)

7.1 EMERGENCY EQUIPMENT (UE, A, SE, GE)

7.1.1 IVORY PHONE

ENSURE that use of the Ivory Phone is limited to information which cannot be obtained from the FOX-3/CFMS HP Computers.

MAKE requests for technical assistance (sampling, instrument repair, etc.) over the Ivory Phone.

7.1.2 PAX/BELL PHONE USE

CONDUCT decision communications between Emergency Response Team Leaders on PAX phones.

7.2 EMERGENCY RECALL (UE, A, SE, GE)

7.2.1 UNUSUAL EVENT (UE)

IF emergency conditions dictate the need for additional Operations personnel:

DIRECT the Shift Communicator to contact the desired personnel

IF the event is likely to escalate to a higher classification:

RECOMMEND that the Emergency Coordinator direct the Shift Communicator to activate SO123-VIII - 70.1 "Emergency Recall"

7.2.2 ALERT, SITE AND GENERAL EMERGENCIES (A, SE, GE)

INFORM the Shift Communicator of the order in which operations shifts are to be recalled.

IF additional operations personnel are required:

DIRECT the Shift Communicator to contact the desired personnel.

7.0 EMERGENCY RESPONSE COORDINATION (Continued)

7.3 RECORDS (UE, A, SE, GE)

7.3.1 LOGS (UE, A, SE, GE)

ENSURE that all Operations Leader decisions/actions required by EPIPs are recorded in a log.

7.3.2 RECORD RETRIEVAL (UE, A, SE, GE)

UNUSUAL EVENT (NO ESCALATION) (UE)

WHEN the Emergency Event is closed out:

TURN in Operations Leaders logs to Shift Communicator.

ALERT, SITE, OR GENERAL EMERGENCY (UE, A, SE, GE)

WHEN the Emergency Event is closed out:

TURN in Operations Leader logs to Administrative Leader.

7.4 TURNOVER (UE, A, SE, GE)

IF another turnover must be conducted after the initial one:

REVIEW and implement step 1.5 of this EPIP.

7.5 COORDINATION FROM CONTROL ROOM (UE, A, SE, GE)

7.5.1 RADIOLOGICAL MONITORING (UE, A, SE, GE)

ALERT the HP Leader of significant meteorological changes and radiation alarms received.

7.5.2 DAMAGE CONTROL/RECOVERY TEAMS (UE, A, SE, GE)

DIRECT damage control and recovery teams to report status of activities and provide updates to Operations Leader.

7.5.3 TECHNICAL ASSISTANCE/MAINTENANCE REQUESTS (UE, A, SE, GE)

MAKE requests for technical assistance or maintenance to support plant operations over the Ivory Phone.

7.5.4 TSC ASSISTANCE (UE, A, SE, GE)

WHEN requested by the TSC:

PROVIDE information that is not available on the FOX-3/CFMS or HP Computer.

7.0 EMERGENCY RESPONSE COORDINATION (Continued)

7.5.5 CONTAMINATED INJURY (UE, A, SE, GE)

WHEN a contaminated injured worker is being transported to a hospital:

ENSURE that the Shift Communicator confirms with hospital that contaminated injury is expected.

7.5.6 OSC OPERATIONS COORDINATOR (A, SE, GE)

REQUEST that the OSC Communicator have the senior operations representative contact the Control Room upon arrival.

WHEN the senior operations representative contacts the Control Room:

DESIGNATE the senior operations representative as the OSC Operations Coordinator.

INSTRUCT the OSC Operations Coordinator to provide Operations personnel to the Emergency Group Leader as requested.

DIRECT the OSC Operations Coordinator to report the status of OSC activities to the Operations Leader through the Emergency Group Leader.

8.0 EOF COORDINATION (A, SE, GE)

8.1 RECOVERY ORGANIZATION (A, SE, GE)

WHEN requested by Emergency Coordinator:

PROVIDE a list of any damaged plant equipment which would prevent operations from being resumed with the normal Station Organization.

AND

MAKE recommendations for Operations Personnel and equipment necessary for a Recovery Organization.

9.0 UNAFFECTED PLANT (UE, A, SE, GE)

9.1. UNUSUAL EVENT

MONITOR Ivory Phone communications of the affected plant Control Room.

9.2 ALERT, SITE OR GENERAL EMERGENCY

MAN and activate the plant Emergency Response Facilities.

CONTACT the affected plant on the Ivory phone (ERTD, TAB B).

9.0 UNAFFECTED PLANT (Continued)

9.2 ALERT, SITE AND GENERAL EMERGENCY, (Continued)

REPORT to affected plant Operations Leader and inform him of the availability of personnel.

IMPLEMENT step 1.4 (Accountability) of this procedure.

WITHIN 15 minutes of the P. A. Announcement for Plant or Site Evacuation:

PROVIDE one copy of the Personnel Accountability Form to the UNAFFECTED PLANT Security Leader

0392F

PERSONNEL ACCOUNTABILITY FORM

PRINTED NAME (LAST, FIRST, MIDDLE INITIAL)	BADGE #	SLOT #	LOCATION (OSC/TSC/CR)	RESPIRATOR QUALIFIED (YES/NO)

INSTRUCTIONS: THIS FORM TO BE SUBMITTED DIRECTLY TO THE SECURITY LEADER WITHIN

FIFTEEN (15) MINUTES

OF THE FIRST PUBLIC ADDRESS ANNOUNCEMENT FOR A PLANT/SITE EVACUATION.

EVACUATION HAZARDS

A. RESPONSIBILITY: ALL EMERGENCY RESPONSE PERSONNEL

B. OBJECTIVE: Provide indications of potential and actual hazards by which to determine the need for an evacuation

ARMS

Hi alarm(s) on an Area Radiation Monitoring System (ARMS) alarm, or:

AIRBORNE MONITORS

A building or containment ventilation monitor(s) indicates airborne activity in excess of 10MPC, or:

CAMS

Alarm on portable radiation monitors and/or continuous air monitors (CAMS), or:

SPILLS

Localized spills of radioactive material with sufficient magnitude to result in personnel exposure, or:

FIRE

Fire in any occupied area, or:

GASES

Toxic or flammable gases or heavy smoke observed or reported in any area, or:

CHEMICALS

Chemical hazards to personnel in any area, or:

HIGH PRESSURE LEAKS

High Pressure steam or water leaks.

ADVERSE WEATHER

Adverse weather conditions, such as floods, hurricanes, or tornados are expected to occur. In the case of adverse weather, advance weather warnings will normally provivde adequate time for an orderly dismissal of plant personnel, without the need for evacuation.

SHIFT COMMUNICATOR'S DUTIES

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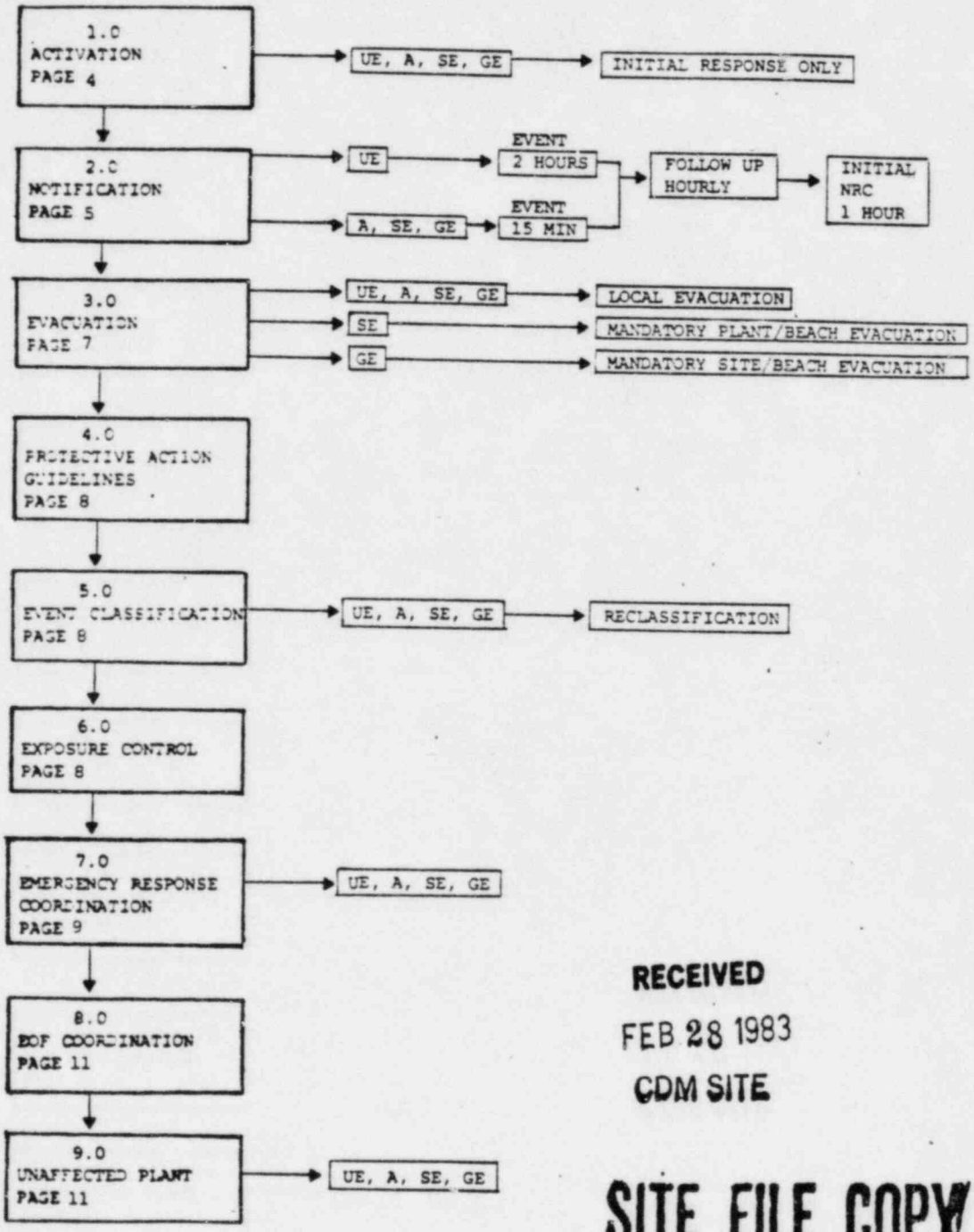

PAGES CHANGED WITH THIS REVISION: NEW

PREPARED BY: D Bennette 2-23-83
PROCEDURE WRITER DATE

APPROVED BY: W C Moody 2/24/83
W. C. MOODY DATE
DEPUTY STATION MANAGER

SHIFT COMMUNICATORS DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: SHIFT COMMUNICATORS OF AFFECTED UNIT
2. EMERGENCY RECALL: OFF DUTY SHIFT COMMUNICATORS
3. UNAFFECTED PLANT: ON DUTY SHIFT COMMUNICATORS

B. OBJECTIVE

1. Provide guidance for the Shift Communicators during a declaration of an Emergency Event.

C. PRECAUTIONS

1. Emergency Coordinator's approval is required for the following:
   a. EMERGENCY EVENT DECLARATION
   b. NOTIFICATION FORMS APPROVAL
   c. PRECAUTIONARY PLANT OR SITE EVACUATION
   d. OFFSITE PROTECTIVE ACTION RECOMMENDATIONS
   e. EXCEEDING 10CFR20 EXPOSURE LIMITS
2. The Notification Forms must be signed by the Emergency Coordinator.

PROCEDURE COORDINATION (Continued)

3. EVENT RECLASSIFICATION

a. PROCEDURE REVIEW

FOLLOWING each reclassification:

REVIEW section 2.0-9.0 of this EPIP

CHECK OFF the Emergency Action Level (EAL) at which each step was implemented as follows:

PLACE an "X" through EAL Code following each step in parenthesis

(UE) - Unusual Event

(A) - Alert

(SE) - Site Emergency

(GE) - General Emergency

REVIEW sections 2.0-9.0 of this EPIP as frequently as possible during each EAL to ensure applicable actions are implemented.

D. ATTACHMENTS

1. Emergency Notification List
2. Event Notification Form
3. Follow-Up Notification Form
4. ODAC Notification Form
5. ENS Form
6. Personnel Accountability Form

1.0 ACTIVATION (UE,A,SE,GE) (INITIAL RESPONSE ONLY)

1.1 EMERGENCY DUTY STATION (UE,A,SE,GE)

NOTE: When the on-shift Communicator of the affected Unit arrives he/she will assume position of Lead Communicator.

REPORT to the TSC

OBTAIN the Communicator Log, forms and procedures

UNLOCK the TSC Emergency Kits

1.2 RECORDKEEPING (UE,A,SE,GE)

WHEN emergency conditions allow:

ENSURE that a log is initiated and maintained

RECORD the name of the Lead Communicator

DOCUMENT all actions required:

To notify offsite agencies of the Emergency Conditions;

By EPIPs (VIII series).

1.3 EQUIPMENT TESTING (UE,A,SE,GE)

1.3.1 TELECOMMUNICATIONS (UE,A,SE,GE)

.1 PAX/BELL PHONES (UE,A,SE,GE)

WHEN emergency conditions allow:

TEST all Pax/Bell phones assigned to the Shift Communicators by contacting an individual listed in the ERTD, Tab C.

.2 REPAIR SERVICE (UE,A,SE,GE)

REPORT any problems to the Telecommunication Test Board (see ERTD Tab M)

1.4 ACCOUNTABILITY (A,SE,GE)

ENSURE the personnel accountability forms (Attachment 6) located in Communicator's Log book are filled out as personnel report and changes occur within the communications section.

1.0 ACTIVATION (UE,A,SE,GE) (INITIAL RESPONSE ONLY) (Continued)

1.5 EMERGENCY PLANNING COORDINATOR (UE)

IF an Unusual Event is declared:

CONTACT Manager, Station Emergency Preparedness or his alternate.

2.0 NOTIFICATION (UE,A,SE,GE)

2.1 ANNOUNCEMENTS

UPON declaration/reclassification of an Emergency Event,

OBTAIN the applicable information and initiate S0123-VIII-30.2, "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS".

2.2 OFFSITE AGENCY NOTIFICATION FORMS (UE, A, SE, GE)

CAUTION
=======
ENSURE all time constraints are complied with as reflected below:

EVENT NOTIFICATION
UE - Within 2 hours of Event declaration
A, SE, GE - Within 15 minutes of Event declaration.

FOLLOW UP NOTIFICATION (UE, A, SE, GE)
Every hour during transient plant conditions.

NRC NOTIFICATION (UE, A, SE, GE)
Within one hour of Event declaration and as requested.

ENSURE that the Emergency Planning Coordinator reviews all Teletype Message prior to release.

2.0 NOTIFICATION (UE, A, SE, GE) (Continued)

2.2.1 EVENT DECLARATION/RECLASSIFICATION/TERMINATION (UE, A, SE, GE)

WHEN an Event has been declared/reclassified/terminated:

OBTAIN applicable form from the attachments of this Procedure;

COORDINATE with the applicable Emergency Response Team leaders per Attachment 1 to complete the form;

2.2.2 FOLLOW UP NOTIFICATION (UE, A, SE, GE)

WHEN an Event has proceeded for 1 hour

AND

WHEN plant conditions have changed requiring an updating of information for dissemination to Offsite Agencies:

PROCEED as in step 2.2.1 of this procedure

2.3 ODAC NOTIFICATION

WHEN requested by the Health Physics Leader:

TRANSMIT an ODAC notification form per Attachment 4.

2.0 NOTIFICATION (UE, A, SE, GE) (Continued)

2.4 NRC NOTIFICATIONS (UE, A, SE, GE)

WHEN an Event has been declared:

OBTAIN the ENS Form that is reflected in Attachment 5 of this Procedure;

COORDINATE with the applicable Emergency Response Team Leaders per Attachment 5 to complete the form;

OBTAIN written approval from the Emergency Coordinator;

DIRECT initiation of the notification per Attachment 5 of this procedure.

3.0 EVACUATION (UE, A, SE, GE)

3.1 LOCAL EVACUATION (UE, A, SE, GE)

IF a local evacuation is ordered:

OBTAIN applicable announcement from EPIP SO123-VIII-30.2, "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS";

COMPLETE Announcement Form with applicable information;

OBTAIN verbal authorization to make announcement as designated on the Announcement form.

MAKE Announcement per EPIP SO123-VIII-30.2,"EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS".

IF Local Area to be evacuated is the TSC:

Evacuate to the alternate TSC as follows:

Unit(s)	Alternate Location
1	Units 2 & 3 TSC
2 & 3	Unit 1 TSC

IF Emergency Conditions of the TSC allow an orderly evacuation:

REMOVE Unit related documents to the alternate location

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.2 PLANT/SITE EVACUATION (A, SE, GE)

IF a Plant or Site Evacuation is ordered:

OBTAIN applicable announcement from EPIP SO123-VIII-30.2, "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS";

COMPLETE a Public Address Announcement Form with applicable information;

OBTAIN verbal authorization to make an announcement as designated on the Announcement form;

DIRECT the AWS Switchboard Operator to initiate the EOF call tree;

MAKE an Announcement per EPIP SO123-VIII-30.2, "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS".

3.4 BEACH EVACUATION (A, SE, GE)

IF a Beach Evacuation is ordered:

COORDINATE with Security Leader/Emergency Planning Coordinator for the Beach Evacuation Announcement.

4.0 PROTECTIVE ACTION GUIDELINES: NO SUPPORT REQUIRED

5.0 EVENT CLASSIFICATION (UE, A, SE, GE)

5.1 RECLASSIFICATION (UE, A, SE, GE)

IF Event is reclassified return to section 2.0 and review entire procedure and;

ENSURE all pertinent steps have been initiated.

5.2 EVENT CLOSE OUT (UE, A, SE, GE)

IF the Event is closed out:

INITIATE the Emergency Public Address Announcement, per Attachment 12 of EPIP SO123-VIII-30.2

6.0 EXPOSURE CONTROL: NO SUPPORT REQUIRED

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE)

7.1 EMERGENCY RECALL (UE, A, SE, GE)

7.1.1 UNUSUAL EVENT - OPTIONAL ACTIVATION

WHEN requested by the Emergency Coordinator:

DIRECT AWS Operators to implement S0123-VIII-70.1, "EMERGENCY RECALL".

7.1.2 ALERT/SITE/GENERAL EMERGENCIES - MANDATORY ACTIVATION

ENSURE the AWS Operators have implemented S0123-VIII-70.1, "EMERGENCY RECALL".

7.1.3 ADDITIONAL AUGMENTATION (UE, A, SE, GE)

IF requested by the Emergency Coordinator or any Emergency Response Team Leader:

OBTAIN The names/expertise of the personnel required

CONTACT AWS Operations

RELAY information and request the individual expertise requested be called in.

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

7.2 RECORDS (UE, A, SE, GE)

7.2.1 DOCUMENT RETRIEVAL

.1 UNUSUAL EVENT

WHEN the Event is terminated and the Emergency Recall was not activated:

RETRIEVE all Documentation regarding the Emergency;

FORWARD the documentation to the Manager, Station Emergency Preparedness. These records include:

Copy of the Control Room Log for the event.

Copy of Communicator Log.

All original Procedure Attachments and Checklists of activated Emergency Plan Implementing Procedures.

All teletype messages both signed rough copy and the copy that reflects the "acknowledgment code" from the Orange County Switcher.

.2 ALERT, SITE AND GENERAL EMERGENCIES

FORWARD all documentation to the Administrative leader

7.3 CONTAMINATED INJURY (UE, A, SE, GE)

7.3.1 MEDICAL FACILITY NOTIFICATION

CONTACT ESO office

OBTAIN destination of ESO/Station Ambulance (i.e. San Clemente Hospital, Tri-City Hospital);

CONTACT designated Facility and inform them of the situation and that a contaminated Injury is being transported to their facility.

NOTE: Phone numbers for the medical facilities are listed int the ERTD TAB A.

8.0 EOF COORDINATION: NO SUPPORT REQUIRED

9.0 UNAFFECTED PLANT (UE, A, SE, GE)

9.1 SHIFT COMMUNICATOR(S)

REPORT to affected unit control room to the Lead Communicator for assignment.

EMERGENCY NOTIFICATION LIST

1.0 PURPOSE

1.1 To provide a form upon which a Shift Communicator can document critical information for the notification process and also list individual teletype mnemonics, primary Bell System telephone numbers and Interagency Telephone (IAT-Yellow Phone) numbers.

2.0 COORDINATION

2.1 THIS ATTACHMENT IS USED WITH THE FOLLOWING:

ATTACHMENT 2 (Event Notification)

ATTACHMENT 3 (Followup Notification)

3.0 FORM PREPARATION/RELEASE

3.1 EMERGENCY EVENT NUMBER

The Emergency Event Number reflects the Event Level, how many events at this Level have occurred in the calendar year and what calendar year it is.

EXAMPLE: The first Emergency Event of the year 1983 was an Unusual Event, therefore it would be listed as:

UE - 1 - 83

If on the same day another event occurred which was classified as an Alert, the Event would be listed as:

A - 1 - 83

NOTE: As shown above, each emergency condition, is numbered sequentially in its classification from January 1 through December 31 of each year.

The current Event sequence number is listed in the Shift Communicators Log Book.

3.2 CURRENT FORM REVISION

Ensure that the extra forms located in the Shift Communicator's Log Book are the same revision as shown on Attachments 2 and 3.

This allows the Communicators a verification of Offsite Agencies processing the most current forms.

3.0 FORM PREPARATION/RELEASE (Continued)

3.3 MESSAGE I.D. NUMBER

This number is to serialize each message that would pertain to an Emergency Event.

NOTE: The sequence would not start over until the initiating Event is terminated.

EXAMPLE: The initial notification would be:

Message ID Number 1

Followup:
Message ID Number 2

Event Reclassified:
Message ID Number 3

Event Terminated:
Message ID Number 4

3.4. NOTIFICATION FORMS: FORM PREPARATION (UE, A, SE, GE)

OBTAIN information for each blank on Attachments 2 and 3 per the abbreviation listed below:

LEGEND OF THE ABBREVIATIONS

Abbreviation	Emergency Response Team Leader
(EC)	Emergency Coordinator
(HPL)	Health Physics Leader
(OL)	Operations Leader
(TL)	Technical Leader
(STA)	Shift Technical Advisor
(SL)	Security Leader
(SC)	Shift Communicator

4.0 ACTIVATION

4.1 NOTIFICATIONS: PRIMARY COMMUNICATIONS SYSTEMS

4.1.1 ACTIONS:

.1 When the Notification form has been completed, release the applicable information to Offsite Agencies as follows,

OBTAIN Emergency Coordinator approval.

ENSURE that the Emergency Coordinator or Emergency Planning Coordinator has reviewed the hard copy before sending it.

OBTAIN the "Emergency Notification List" (pages 5 and 6 of this attachment).

CONTACT SCE DISPATCHER and read the message. (See "Emergency Notification List" for PAY/BELL numbers).

VERIFY accuracy.

ACTIVATE "Yellow Phone" (IAT) by dialing *99.

DOCUMENT name of answering parties and time.

DELIVER the following Emergency Event Warning Notice:

> "THIS IS SAN ONOFRE NUCLEAR GENERATING STATION. STANDBY TO RECEIVE AN EMERGENCY MESSAGE. PLEASE ENSURE THAT YOUR TELETYPE IS IN 'PRINT LINE' MODE. FOLLOW UP VERIFICATION OF OUR MESSAGE WILL BE MADE IN TEN (10) MINUTES VIA IAT (YELLOW) TELEPHONE."

SEND hard copy via teletype.

VERIFY receipt of hard copy by calling * 99 10 minutes after sending the message. Verify accuracy of the notification by having San Clemente read it back. Request other IAT stations follow for accuracy.

DOCUMENT hard copy receipt verifications.

4.0 ACTIVATION (Continued)

4.2 NOTIFICATIONS: ALTERNATE METHODS

4.2.1 ACTIONS:

.1 If the EOF is fully activated and manned and the following conditions exist proceed according to the instructions below.

YELLOW PHONE (IAT) INOPERABLE - TELETYPE OPERABLE: Contact the EOF on PAX 58-381. Have the EOF representative inform Emergency Operations Center (EOC) liaisons of the teletype notification transmittal and request EOC liaisons contact their respective centers. Call back to EOF in 10 minutes to verify receipt.

YELLOW PHONE (IAT) AND TELETYPE INOPERABLE: Contact the EOF on PAX 58-381 and verbally transmit event notification information. Request EOC liaisons to transmit the notification to their respective centers. Call back EOF in 10 minutes for verification.

.2 If the EOF is not activated transmit message using the alternate phone numbers in the "Emergency Notification List".

EMERGENCY NOTIFICATION LIST

DATE: _____ EMERGENCY EVENT NUMBER: _____ - _____ - _____
(See 3.1 for instruction, Example: Alert -

ORGANIZATION	IAT#	TELE TYPE#	NAME OF CONTACT	TIME/ INITIALS	HARD COPY RCVD	CALL BACK VERIFICATION - NAME/TIME ALTERNATE PHONE NUMBER
SCE Dispatcher	N/A	N/A	_____	___/___	N/A	_____ PAX BELL _____
U.S.M.C. Camp Pendleton - Duty Officer/ E.O.C		N/A HCP	_____	___/___	___	_____
DUTY OFFICER -		Teletype In E.O.C Only				(Ask Operator for assistance) F.O.C.
State Parks Pendleton Coast		USB	_____	___/___	___	_____ (8 - 5, M - F) (24 hour dispatcher) If no answer refer to Emergency Phone Directory for home phone numbers of Park Rangers
City of San Clemente		USC	_____	___/___	___	_____ _____
City of San Juan Capistrano (SJC)		USJ	_____ Orange County will contact) SCJ when EOC is not manned)	___/___	___	_____ _____
Orange County Communications Control One/ E.O.C.		ZZZ	_____	___/___	___	_____ _____

****NOTE: ALL CALL CODE FOR INTERAGENCY TELEPHONE (IAT) - Teletype - ****

EMERGENCY NOTIFICATION LIST
(Continued)

ORGANIZATION	IAT#	TELE TYPE#	NAME OF CONTACT	TIME/ INITIALS	HARD COPY RCVD	CALL BACK VERIFICATION - NAME/TIME	ALTERNATE PHONE NUMBER
San Diego County Disaster Preparedness Control Center/ E.O.C.		UES		/			
C.H.P., Santa Ana		USA		/			
C.H.P., San Diego		USD		/			(after 5 p.m.)
California Office of Emergency Services (Sacramento)	****ALL NOTIFICATIONS TO SACRAMENTO WILL BE MADE BY THE EOF WHEN ACTIVATED****						
	N/A	N/A (Blue Phone)		/	N/A		
NRC Bethesda, Maryland	N/A	N/A (Direct Line)		/	N/A		

EVENT NOTIFICATION FORM

THIS NOTIFICATION MUST BEGIN WITHIN 2 HOURS AFTER DECLARATION OF AN UNUSUAL EVENT AND WITHIN 15 MINUTES FOR ALL HIGHER CLASSIFICATIONS.

Date: (EC) ___ Time: (EC) ___

"This is the San Onofre Nuclear Generating Station. A (An)
(Circle the applicable Classification Below)

UNUSUAL EVENT **ALERT** **SITE EMERGENCY** **GENERAL EMERGENCY**

has been DECLARED/CLOSED OUT at Unit(s) (SC) ___.
circle one

Record the following information on your Initial Notification Form.

The current forms are revision (SC) ___.

MESSAGE I.D. NUMBER (SC) _____

1. Event No. (EC) _____ listed in the Manual of Emergency Events describes this event.

2. There (EC, HPL) _____ been a release of radioactivity.
HAS/HAS NOT

3. A release (EC, HPL) _____ _____.
HAS/HAS NOT BEEN STOPPED/NEVER OCCURRED

4. The release is to the _____.
ATMOSPHERE/OCEAN/NOT APPLICABLE

5. There (EC) _____ a potential for additional release.
IS/IS NOT

6. There (EC) _____ a need for protective action beyond the Site Boundary.
IS/IS NOT

   Affected Sectors: (HPL) / / / / /

   Recommended Protective Actions: (EC) _____

7. Additional information: (EC) _____

_____

_____

8. Call (SC) _____ to verify receipt of this Notification.
BELL #/IAT #

9. Ensure your teletype is in PRINT LINE mode.

10. San Clemente please read back this message. Other Stations check for accuracy.

DRAFTED: _____ **APPROVED:** _____
EMER. PLANNING COORDINATOR/ LEAD COMMUNICATOR **EMERGENCY COORDINATOR**

FOLLOW-UP NOTIFICATION FORM

THIS NOTIFICATION SHOULD BE MADE AT LEAST ONCE EVERY HOUR DURING CHANGING PLANT CONDITIONS ONLY.

Time: (SC) _____ Date: (SC) _____

"This is the San Onofre Nuclear Generating Station. This is a Follow-Up Notification a (an): (Circle the applicable Classification Below) (SC)

UNUSUAL EVENT **ALERT** **SITE EMERGENCY** **GENERAL EMERGENCY**

which is in progress at Unit(s) (SC) _____. Record the following information on your Follow-Up Notification Form. The current forms are revision _____.

MESSAGE I.D. NUMBER: (SC) _____

1. Current Plant Conditions: (TL) _____

2. Recommended Protective Actions: (HPL) _____

3. Prognosis of Emergency: (TL) _____

4. Emergency Response Actions Underway: (TL) _____

5. Request for Support: (EC) _____

6. Dose Projections/Measurements (HPL)

	Site Boundary	2 Miles	5 Miles	10 Miles
Whole Body Dose Rate (in mRem/hr)	___/___	___/___	___/___	___/___
Thyroid Dose (mRem)	___/___	___/___	___/___	___/___

7. Meteorology Data: (HPL)

Wind Direction From _____°T/To _____°T Wind Speed _____miles/hour

8. If a Bell Phone was used, Call (SC) _____ to verify receipt of this Notification.
BELL #

9. Ensure your teletype is in PRINT LINE mode. Call (SC) _____ to verify hard copy receipt.
IAT or BELL #

10. San Clemente please read back this message. Other Stations check for accuracy.

DRAFTED: _____ APPROVED: _____
EMER. PLANNING COORDINATOR/ LEAD COMMUNICATOR
EMERGENCY COORDINATOR

ODAC NOTIFICATION FORM

1.0 PURPOSE

1.1 Provide a form to list Health Physics data that is required by the Offsite Dose Assessment Center to assist the Offsite Agencies in the determination of protective actions to be taken.

2.0 COORDINATION

2.1 The Health Physics Manager will initiate this form.

2.2 Information utilized to complete this form is obtained from the Health Physics Leader and submitted to the Emergency Coordinator for approval.

2.3 This form will be released to the ODAC, when activated, for review and information, via teletype.

3.0 ACTIVATION

3.1 Verify form has been signed by the Health Physics Leader and then take the following steps.

3.1.1 Send to ODAC, teletype mnemonic "UBA".

3.1.2 Verify accuracy of Notification

3.1.3 The ODAC will re-release the form, if applicable, to the offsite agencies.

3.1.4 The ODAC will assume responsiblity for verification of receipt.

ODAC NOTIFICATION FORM

THIS NOTIFICATION SHOULD BE MADE AT LEAST ONCE EVERY HOUR DURING CHANGING PLANT CONDITIONS ONLY.

Time: _____ Emergency Event No. _____ - _____ - _____
(Sequential Number per Section 3.1 of Attachment 1)

Date: _____

"This is the San Onofre Nuclear Generating Station. This is an ODAC Notification. A (an): (Circle the applicable Classification below)

UNUSUAL EVENT ALERT SITE EMERGENCY GENERAL EMERGENCY

Which is in progress at Unit(s) _____. The following information is provided.

1. Dose Projections (Requires EC approval for release)

	Site Boundary	2 Miles	5 Miles	10 Miles
Whole Body Dose Rate (in mRem/hr)	/	/	/	/
Thyroid Dose (mRem)	/	/	/	/
Thyroid Dose (mRem) (2 hour)	/	/	/	/
Highest/Adjacent Sectors Affected:	/	/	/	/
	/	/	/	/

2. Measurements

Time	Location	Whole Body	Thyroid
____	_____	_____mrem/hr	_____mrem/hr
____	_____	_____mrem/hr	_____mrem/hr
____	_____	_____mrem/hr	_____mrem/hr
____	_____	_____mrem/hr	_____mrem/hr

3. Airborne Release: (REQUIRES EC APPROVAL FOR RELEASE)

Time Release Started _____ AM/PM

Release Duration _____ hrs.

Expected Release Rate _____ Ci/sec

Xe-133 Equivalent _____ Ci/sec

I-131 Equivalent Release Rate _____ Ci/sec

4. Meteorology Data:

Wind Direction From: _____ _____

Wind Speed _____ miles/hour

Affected Sector(s) ___/___/___/___
___/___/___/___

Stability Class _____

Precipitation _____

5. Liquid Release: (REQUIRES EC APPROVAL FOR RELEASE)

Time Release Started	_____ AM/PM	_____ AM/PM
Expected Release Duration	_____ hrs.	_____ hrs.
Release Rate	_____ gal.	_____ Ci/sec

6. If a Bell Phone was used, Call _____ (BELL #) to verify receipt of this Notification.

7. Ensure your teletype is in PRINT LINE mode. Call _____ (IAT or BELL #) to verify hard copy receipt.

8. Please read back this message to check for accuracy.

DRAFTED BY: _____
HEALTH PHYSICS LEADER

APPROVED: _____
EMERGENCY COORDINATOR

ENS FORM

(NRC NOTIFICATION FORM)

1.0 PURPOSE

1.1 To provide a form to the Compliance Representative for NRC Notification.

2.0 COORDINATION

2.1 Information for this form will be obtained from Emergency Response Team Leaders submitted to the Emergency Coordinator for approval and signature. Each section has a code that reflects which Emergency Response Team Leader will have the necessary information to complete that section. The codes are defined as follows:

2.2.1 (EC) Emergency Coordination

2.2.2 (HPL) Health Physics Leader

2.2.3 (OL) Operations Leader

2.2.4 (TL) Technical Leader

2.2.5 (SC) Shift Communicator

2.2.6 (STA) Shift Technical Advisor

2.2.7 (SL) Security Leader

3.0 ACTIVATION (UE, A, SE, GE)

3.1 ACTIONS

3.1.1 UNUSUAL EVENT

UTILIZE the NRC Red Phone to contact NRC Watch Officer.

READ all of Part I of ENS form to the NRC.

HAVE the message read back, and if necessary correct any errors.

3.1.2 ALERT/SITE/GENERAL EMERGENCY:

UTILIZE the NRC Red Phone to contact NRC Watch Officer.

READ all of Part I of ENS form.

HAVE the response read back, and if necessary correct any errors.

MAINTAIN an open line unless directed otherwise by the NRC.

NOTE: Continuous manning of the RED Phone is required until relieved by the Local NRC Inpsector or released by NRC Headquarters, Bethesda, Maryland.

ANSWER the RED Phone when the NRC activates the conference call between NRC, Bethesda, SONGS and NRC Region V.

PROVIDE information reflected in Part II of the ENS Form.

3.2 RESIDENT NRC INSPECTORS (UE, A, SE, GE)

3.2.1 ACTIONS

.1 NOTIFICATION

CONTACT the applicable Unit NRC Resident Inspector as reflected in the Emergency Response Telephone Directory and read part I of the ENS Form.

NOTE: IF the Primary NRC Resident Inspector cannot be contacted, call the unaffected unit(s) Inspector and brief him of the situation.

NUCLEAR REGULATORY COMMISSION
EVENT NOTIFICATION FORM
(FOR USE WITH ENS PHONE)

PART I

HQ Duty Officer Name (SC) _____

Complete Part I for all incident notifications

A. IDENTIFICATION: (SC)

Facility _____ Caller's Name _____

Phone Number _____ Date/time _____

B. EVENT CLASSIFICATION: (SC)

Notification of Unusual Event _____ 50.72 _____ Other _____

Alert _____ Site Area Emergency _____ General Emergency _____

C. DESCRIPTION: (STA, TL)

What Happened: _____

_____

_____ Event Time _____

Cause: _____

_____

_____

Consequences: _____

_____

_____

Actions: _____

_____

_____

NUCLEAR REGULATORY COMMISSION
EVENT NOTIFICATION FORM
(FOR USE WITH ENS PHONE)

PART I
(Continued)

Current Status: _____

_____

_____

D. NOTIFICATIONS: (SC) (What notifications have been made by the licensee.)

STATE(S) _____ LICENSEE MANAGEMENT _____
LOCAL _____ OTHER _____
NRC RESIDENT _____ OTHER _____

E. PRESS RELEASE: (SC) Has a press release been made or planned? (Yes/No)

DRAFTED: _____
LEAD COMMUNICATOR

APPROVED: _____
EMERGENCY COORDINATOR

NUCLEAR REGULATORY COMMISSION
EVENT NOTIFICATION FORM
(FOR USE WITH ENS PHONE)

PART II

A. STEAM PLANT STATUS (STA, TL)

S/G Levels _____ Equipment Failures _____

Feedwater Source/Flow _____ S/G Isolated _____

Electrical Dist. Status:

Normal Offsite Power Available? _____

Major Busses/Loads Lost _____

Safeguards Busses Power Source _____

D/G Running? _____ Loads? _____

B. SECURITY/SAFEGUARDS: (SL)

Bomb Threat: Search Conducted? _____

Search Area Evacuated: _____

Site Evacuated: _____

Extortion: Source (Phone, Letter, etc.)? _____

Location of Letter, _____

_____

Intrusion: Insider? _____ Outsider? _____

Furthest Point of intrusion _____

Fire Arms related? _____

Stolen/Missing Material _____

Rx Oper/Demonstration: Size of group _____

Demands _____

Violence? _____ Fire Arms Related? _____

Sabotage/Vandalism: Radiological? _____

Arson Involved _____

Stolen/Missing Material? _____

_____

NUCLEAR REGULATORY COMMISSION
EVENT NOTIFICATION FORM
(FOR USE WITH ENS PHONE)

PART II
(Continued)

C. TRANSPORTATION: (HPL)

Mode (Road/Rail/Air/etc.) _____ Carrier _____

Exact Location _____

Type of Material (HEU/Spent fuel/Cat III/Other) _____

Description of Shipment _____

Labels: (On material package) _____ (On Vehicle) _____

Spillage _____ Surveys _____

Physical damage to container? _____

Fire/Smoke _____ Missing Material _____

D. MATERIALS AND FUEL FACILITIES: (HPL)

Kind of Licensee (processor, radiographer, medical, etc.) _____

_____

Isotopes involved _____

Solid/Liquified? _____ Sealed/Loose? _____

E. FURTHER LICENSEE ACTIONS: (HPL)

Taken _____

Planned _____

Property Damage _____

F. RADIOACTIVITY RELEASED: (HPL) (or Increased Released)? _____

Liquid/Gas? _____ Location/Source of Release _____

Elevation _____ Release Rate _____ Duration _____

Stopped? _____ Release Monitored: _____

Amount of Release _____

% Technical Specifications _____

NUCLEAR REGULATORY COMMISSION
EVENT NOTIFICATION FORM
(FOR USE WITH ENS PHONE)

PART II
(Continued)

Increased Radiation Levels in Plant: Location(s): _____

Radiation Level(s) _____ Areas Evacuated _____

Maximum offsite dose rates _____

Integrated dose _____

Location _____

Meterology

Wind Direction from _____

Wind Speed _____ (Meter/sec or miles/hr)
T _____ (°C or °F) Sigma Theta _____

Temperature (°C or °F)

Stability Class A B C D E F Raining (Yes/No)

G. PROJECTED DOSES: (HRL)

	DOSE RATES	INTEGRATED DOSE
2 miles	_____	_____
5 miles	_____	_____
10 miles	_____	_____
SECTORS	_____	_____

Contamination (Surface): Inplant _____ Onsite _____ Offsite _____

_____

_____

_____

NUCLEAR REGULATORY COMMISSION
EVENT NOTIFICATION FORM
(FOR USE WITH ENS PHONE)

PART II
(Continued)

H. REACTOR OPERATIONS: (STA, TL)

Reactor Systems Status Power Level _____

Pressure _____ Temp. _____ Flow (Pumps on) _____

Cooling Mode _____ ECCS Operating/Operable _____

Containment Status

Containment Isolated _____ Containment Temp. _____

Containment Press _____ Containment Temp. _____R/hr.

Reactivity Controls

Control Rods Inserted _____ Status of Emer. Boration System _____

DRAFTED: _____
LEAD COMMUNICATOR

APPROVED: _____
EMERGENCY COORDINATOR

0338F

PERSONNEL ACCOUNTABILITY FORM

PRINTED NAME (LAST, FIRST, MIDDLE INITIAL)	BADGE #	SLOT #	LOCATION (OSC/TSC/CR)	RESPIRATOR QUALIFIED (YES/NO)

INSTRUCTIONS: THIS FORM TO BE [illegible]ITTED DIRECTLY TO THE SECURITY LEADER WITHIN

[illegible] (15) MINUTES

OF THE FIRST PUBLIC ADDRESS ANNOUNCEMENT FOR A PLANT SITE EVACUATION.

EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS

TABLE OF CONTENTS

PAGES CHANGED WITH THIS REVISION: NEW

PREPARED BY: DDBarnette 2-23-83
PROCEDURE WRITER DATE

APPROVED BY: WCMoody 2/24/83
W. C. MOODY DATE
DEPUTY, STATION MANAGER

EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ON SHIFT: DESIGNATED CONTROL ROOM PERSONNEL, AWS OPERATORS AND BECHTEL OPERATORS (K50)

2. EMERGENCY RECALL: SHIFT COMMUNICATORS

B. OBJECTIVE

1. Provide steps to be taken when Emergency Announcements are required to be made during a declared Emergency.

C. PRECAUTIONS

1. AUTHORITY VERIFICATION

Verify that the request for the announcement has been properly authorized by:

a. LCD readout on Switchboard is a valid callers number

or

b. Callback to originator

2. ANNOUNCEMENT TECHNIQUE

a. Make the announcement in a clear and precise manner ensuring all instructions are enunciated.

b. If the announcement is for a drill utilize "THIS IS A DRILL" statement prior to and after a announcement that is being made as a result of a drill.

PROCEDURE COORDINATION (Continued)

D. ATTACHMENTS

ANNOUNCEMENTS

1. Unusual Event
2. Emergency Response Personnel
3. Alert
4. Site
5. General
6. Local Area Evacuation
7. Plant Evacuation
8. Site Evacuation - 1st Phase
9. Site Evacuation - 2nd Phase
10. Recovery Mode
11. Reclassification
12. Close Out
13. Fire
14. Beach Evacuation - Perimeter
15. Beach Evacuation - Site
16. Automatic Thunderbolt Activation - No evacuation necessary

1.0 ACTIVATION - (UE, A, SE, GE)

1.1 PROCEDURAL ACTIVATION (UE, A, SE, GE)

1.1.1 SHIFT COMMUNICATOR/DESIGNATED CONTROL ROOM PERSONNEL

ENSURE the activation of this procedure when conditions warrant the initiation of any of the attached announcements per Section 7.1

1.1.2 AWS OPERATORS

WHEN directed by the Shift Communicator/Control Room Personnel:

ASSIST in the initiation of Emergency Public Address Announcements per Section 7.2.

1.1.3 BECHTEL OPERATORS

WHEN directed by the AWS Operators/Shift Communicators:

ASSIST in the initiation of Emergency Public Address Announcements per Section 7.3.

2.0 NOTIFICATION: NO SUPPORT REQUIRED

3.0 EVACUATION: NO SUPPORT REQUIRED

4.0 PROTECTIVE ACTION GUIDELINES: NO SUPPORT REQUIRED

5.0 EVENT CLASSIFICATION: NO SUPPORT REQUIRED

6.0 EXPOSURE CONTROL: NO SUPPORT REQUIRED

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE)

7.1 CONTROL OPERATOR/SHIFT COMMUNICATOR (UE, A, SE, GE)

7.1.1 ANNOUNCEMENT PREPARATION

UPON declaration of an event, or conditions warrant the need for an Emergency Public address announcement:

SELECT proper announcement reflected in the attachments of this procedure

FILL in the appropriate blanks as follows:

OBTAIN information from The Emergency Coordinator/Emergency Planning Coordinator

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

7.1.2 ACTIVATION OF ANNOUNCEMENTS (UE, A, SE, GE)

UPON verbal or written authorization from the person designated on the attachment

UTILIZE the Public Address System from the Affected Control Room/TSC

MAKE the announcement twice

7.1.3 SITE COVERAGE (UE, A, SE, GE)

CONTACT Switchboard Operator at AWS:

PROVIDE information to AWS Operator to fill in the blanks of the applicable announcements

VERIFY that the AWS Operator has correct announcement and information

DIRECT the AWS Operator to make announcement and have announcement repeated by the Bechtel operator (K-50)

REQUEST a callback to verify that the announcements were made

7.2 AWS OPERATORS (UE, A, SE, GE)

7.2.1 ANNOUNCEMENT PREPARATION/ACTIVATION (UE, A, SE, GE)

UPON notification from the Shift Communicator/Control Room Operator that public address support is required:

OBTAIN applicable attachment (announcement) from this procedure

COMPLETE all blanks upon Shift Communicators/Control Room Operator direction

OBTAIN callback verifying number

DISCONNECT from Shift Communicator/Control Room Operator

MAKE the announcement twice

CONTACT the Bechtel operator (K-50) and direct activation of this procedure

PROVIDE information for applicable announcement

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

7.2 AWS OPERATORS (UE, A, SE, GE) (Continued)

7.2.1 ANNOUNCEMENT PREPARATION/ACTIVATION (Continued)

DISCONNECT from the Bechtel operator

WAIT for the Bechtel operator to callback verifying they have made announcements

CALLBACK the Shift Communicator/Control Room Operator and inform him that the announcements have been made.

IF additional announcements are required:

RETURN to the beginning of this section and repeat the steps.

7.3 BECHTEL OPERATORS (UE, A, SE, GE)

7.3.1 ANNOUNCEMENT PREPARATION/ACTIVATION (UE, A, SE, GE)

UPON notification from AWS operators that public address support is required:

OBTAIN the applicable attachment (Announcement) from this procedure;

COMPLETE all blanks upon AWS Operators direction;

OBTAIN the call-back-verifying number;

DISCONNECT from AWS operator;

MAKE announcement twice;

CALLBACK the AWS operator and inform her that the announcements have been made.

IF additional announcements are required:

RETURN to the beginning of this section and repeat the steps.

8.0 EOF COORDINATION: NO SUPPORT REQUIRED

9.0 UNAFFECTED PLANT: NO SUPPORT REQUIRED

ANNOUNCEMENT 1 UNUSUAL EVENT

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:

(Describe below the nature of the emergency and its affected area.)

(Optional)

_____

_____

_____

AN UNUSUAL EVENT HAS BEEN DECLARED IN UNIT(S) 1, 2 OR 3
(Circle affected Unit(s))

ALL ONSHIFT, I REPEAT, ALL ONSHIFT EDISON NUCLEAR EMERGENCY RESPONSE TEAM PERSONNEL REPORT TO YOUR RESPECTIVE EMERGENCY DUTY STATION. NO ACTION IS REQUIRED BY OTHER STATION PERSONNEL, VISITORS OR CONSTRUCTION PERSONNEL. STANDBY FOR FURTHER INSTRUCTIONS."

Time 1st Announcement Made _____ Time 2nd Announcement Made _____

INITIALS

call back number _____
call back time _____

APPROVED: _____
Emergency Coordinator, or:
Emergency Planning Coordinator
(Verbal Authorization Allowed)

ANNOUNCEMENT 2: EMERGENCY RESPONSE PERSONNEL

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:

CONDITIONS OF THE EMERGENCY IN UNIT(S) 1, 2 OR 3
(Circle affected Unit(s))

DICTATE THE ACTIVATION OF EMERGENCY RESPONSE FACILITIES. ALL EDISON, I REPEAT, ALL EDISON NUCLEAR EMERGENCY RESPONSE TEAM PERSONNEL REPORT TO YOUR RESPECTIVE EMERGENCY DUTY STATION. NO ACTION IS REQUIRED BY OTHER STATION PERSONNEL, VISITORS OR CONSTRUCTION PERSONNEL. STANDBY FOR FURTHER INSTRUCTIONS."

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

INITIALS

call back number _____
call back time _____

APPROVED: _____
Emergency Coordinator, or:
Emergency Planning Coordinator
(Verbal Authorization Allowed)

ANNOUNCEMENT 3: ALERT

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:

(Describe below the nature of the emergency and its affected area.)

(Optional)

_____

_____

_____

AN ALERT HAS BEEN DECLARED IN UNIT(S) 1, 2 OR 3
(Circle affected Unit(s))

ALL EDISON, I REPEAT, ALL EDISON NUCLEAR EMERGENCY RESPONSE TEAM PERSONNEL REPORT TO YOUR RESPECTIVE EMERGENCY DUTY STATION. NO ACTION IS REQUIRED BY OTHER STATION PERSONNEL, VISITORS, OR CONSTRUCTION PERSONNEL. STANDBY FOR FURTHER INSTRUCTIONS."

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

INITIALS

call back number _____
call back time _____

APPROVED: _____
Emergency Coordinator, or:
Emergency Planning Coordinator
(Verbal Authorization Allowed)

ANNOUNCEMENT 4: SITE EMERGENCY

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:
(Describe below the nature of the emergency and its affected area.)
(Optional) _____

_____

_____

A SITE EMERGENCY HAS BEEN DECLARED IN UNIT(S) 1, 2 OR 3
(Circle affected Unit(s))

ALL EDISON, I REPEAT, ALL EDISON NUCLEAR EMERGENCY RESPONSE TEAM PERSONNEL REPORT TO YOUR RESPECTIVE EMERGENCY DUTY STATION. ALL NON-ESSENTIAL PERSONNEL WITHIN THE PROTECTED AREA REPORT TO YOUR RESPECTIVE PLANT EVACUATION ASSEMBLY AREAS AS FOLLOWS:

ALL UNIT ONE PERSONNEL AND VISITORS REPORT TO THE NORTH END OF THE AWS BUILDING.

ALL PERSONNEL IN PARKING LOTS 2 & 3 REPORT TO THE BECTHEL PLANT DESIGN TRAILER L-50.

ALL PERSONNEL AT THE RESERVIOR REPORT TO THE PAYROLL TRAILER H-50.

ALL UNITS 2 & 3 EDISON PERSONNEL AND VISITORS REPORT TO OFFICE BUILDING K50.

ALL UNITS 2 & 3 CONSTRUCTION FORCES REPORT TO THE AREA IN THE OFFSHORE PAD DESIGNATED FOR YOUR RESPECTIVE CRAFT.

"NO EATING, DRINKING OR SMOKING UNTIL FURTHER NOTICE."

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

INITIALS

call back number _____
call back time _____

APPROVED: _____
Emergency Coordinator, or:
Emergency Planning Coordinator
(Verbal Authorization Allowed)

ANNOUNCEMENT 5: GENERAL EMERGENCY

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:
(Describe below the nature of the emergency and its affected area.)

(optional)

_____

_____

_____

A GENERAL EMERGENCY HAS BEEN DECLARED IN UNIT(S) 1, 2 OR 3
(Circle affected Unit(s))

ALL EDISON, I REPEAT, ALL EDISON NUCLEAR EMERGENCY RESPONSE TEAM PERSONNEL REPORT TO YOUR RESPECTIVE EMERGENCY DUTY STATION. ALL NON-ESSENTIAL PERSONNEL REPORT TO YOUR RESPECTIVE PLANT EVACUATION ASSEMBLY AREAS AS FOLLOWS:

ALL UNIT ONE PERSONNEL AND VISITORS REPORT TO THE NORTH END OF THE AWS BUILDING.

ALL PERSONNEL IN PARKING LOTS 2 & 3 REPORT TO THE BECTHEL DESIGN TRAILER L-50.

ALL PERSONNEL AT THE RESERVOIR REPORT TO THE PAYROLL TRAILER, H-50.

ALL UNITS 2 & 3 EDISON PERSONNEL AND VISITORS REPORT TO OFFICE BUILDING K50.

ALL UNITS 2 & 3 CONSTRUCTION FORCES REPORT TO THE AREA IN THE OFFSHORE PAD DESIGNATED FOR YOUR RESPECTIVE CRAFT.

"NO EATING, DRINKING OR SMOKING UNTIL FURTHER NOTICE."

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

_____
INITIALS

call back number _____
call back time _____

APPROVED: _____
Emergency Coordinator, or:
Emergency Planning Coordinator
(Verbal Authorization Allowed)

ANNOUNCEMENT 6: LOCAL AREA EVACUATION

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:

THERE IS A _____ AT UNIT(S) 1, 2 or 3
(High Radiation Level/Fire/Other Hazard) (Circle One)

IN THE _____. ALL PERSONNEL IN _____
(Specify Area) (Specify Area)

EVACUATE TO _____."
(Specify location)

Additional instructions:

_____

_____

_____

"NO EATING, DRINKING OR SMOKING UNTIL FURTHER NOTICE IN _____
(Specify Area)

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

INITIALS

call back number _____
call back time _____

APPROVED BY: _____
Emergency Coordinator, or::
Emergency Planning Coordinator, or:
Operations Leader
(Verbal Authorization Allowed)

ANNOUNCEMENT 7: PLANT EVACUATION

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:

THERE IS A _____ AT UNIT(S) 1, 2 OR 3
(High Radiation Level/Fire/Other Hazard) (Circle One)

IN THE _____.
(Specify area)

ALL NON-ESSENTIAL PERSONNEL WITHIN THE PROTECTED AREA REPORT TO YOUR RESPECTIVE PLANT EVACUATION ASSEMBLY AREAS AS FOLLOWS:

ALL UNIT ONE PERSONNEL AND VISITORS REPORT TO THE NORTH END OF THE AWS BUILDING.

ALL PERSONNEL IN PARKING LOTS 2 & 3 REPORT TO THE BECTHEL DESIGN TRAILER L-50.

ALL PERSONNEL AT THE RESERVOIR REPORT TO THE PAYROLL TRAILER, H-50.

ALL UNITS 2 & 3 EDISON PERSONNEL AND VISITORS REPORT TO OFFICE BUILDING K50.

ALL UNITS 2 & 3 CONSTRUCTION FORCES REPORT TO THE AREA IN THE OFFSHORE PAD DESIGNATED FOR YOUR RESPECTIVE CRAFT."

"NO EATING, DRINKING OR SMOKING UNTIL FURTHER NOTICE IN _____
(Specify Area)

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

_____
INITIALS

call back number _____
call back time _____

APPROVED BY: _____
Emergency Coordinator, or:
Emergency Planning Coordinator, or:
Security Leader
(Verbal Authorization Allowed)

ANNOUNCEMENT 8: SITE EVACUATION 1ST PHASE

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:

THERE IS A _____ AT UNIT(S) 1, 2 OR 3
(High Radiation Level/Fire/Other Hazard) (Circle One)

IN THE _____.
(Specify area)

ALL NON-ESSENTIAL PERSONNEL REPORT TO YOUR RESPECTIVE PLANT EVACUATION ASSEMBLY AREAS AS FOLLOWS:

ALL UNIT ONE PERSONNEL AND VISITORS REPORT TO THE NORTH END OF THE AWS BUILDING.

ALL PERSONNEL IN PARKING LOTS 2 & 3 REPORT TO THE BECTHEL DESIGN TRAILER L-50.

ALL PERSONNEL AT THE RESERVOIR REPORT TO THE PAYROLL TRAILER, H-50.

ALL UNITS 2 & 3 EDISON PERSONNEL AND VISITORS REPORT TO OFFICE BUILDING K50.

ALL UNITS 2 & 3 CONSTRUCTION FORCES REPORT TO THE AREA IN THE OFFSHORE PAD DESIGNATED FOR YOUR RESPECTIVE CRAFT.

ALL PERSONNEL REMAIN AT YOUR RESPECTIVE PLANT EVACUATION ASSEMBLY AREA AND AWAIT FURTHER DIRECTION FOR EVACUATION OF THE SITE."

"NO EATING, DRINKING OR SMOKING UNTIL FURTHER NOTICE."

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

_____
INITIALS

call back number _____
call back time _____

APPROVED BY: _____
Emergency Coordinator, or:
Emergency Planning Coordinator, or:
Security Leader
(Verbal Authorization Allowed)

ANNOUNCEMENT 9: SITE EVACUATION - 2ND PHASE

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:

ALL PERSONNEL ON SITE EXCEPT THOSE WITH EMERGENCY DUTY

ASSIGNMENTS ARE TO EVACUATE THE SITE IMMEDIATELY

GO TO YOUR CAR AND FOLLOW THE DIRECTIONS OF

SCE SECURITY FORCE AND CALIFORNIA HIGHWAY PATROL.

*** CIRCLE THE APPLICABLE FOLLOWING INFORMATION AND CROSS OUT WHAT IS NOT APPLICABLE AS DIRECTED ***

1. PROCEED HOME AS YOU WOULD NORMALLY EACH DAY

OR

2. LEAVE THE SITE USING THE NORTH EVACUATION ROUTES

OR

3. LEAVE THE SITE THROUGH THE STATE PARK USING THE SOUTH EVACUATION ROUTE.

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

_____
INITIALS

call back number _____
call back time _____

APPROVED BY: _____
Emergency Coordinator, or:
Emergency Planning Coordinator, or:
Security Leader
(Verbal Authorization Allowed)

ANNOUNCEMENT 10: RECOVERY MODE

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL.

CONDITIONS OF THE EMERGENCY AT UNIT(S) 1, 2 OR 3 (Circle One)

HAVE STABILIZED AND THE PLANT IS IN A RECOVERY MODE.

CHECK WITH YOUR SUPERVISOR PRIOR TO RE-ENTRY INTO THE PROTECTED AREA".

* * * The Shift Communicator will determine (a) or (b) below from the Emergency Coordinator for completing the announcement:

(a) "THE EMERGENCY HAS BEEN RECLASSIFIED AS A(N)

SITE EMERGENCY/ALERT/UNUSUAL EVENT"
(Circle Classification Level)

OR

(b) "THE EMERGENCY EVENT HAS BEEN TERMINATED. NUCLEAR EMERGENCY RESPONSE TEAM PERSONNEL ARE TO REMAIN AT THEIR EMERGENCY DUTY STATIONS UNTIL NOTIFIED BY THE RECOVERY MANAGER."

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

_____
INITIALS

call back number _____
call back time _____

APPROVED BY: _____
Emergency Coordinator, or:
Emergency Planning Coordinator
(Verbal Authorization Allowed)

ANNOUNCEMENT 11: RECLASSIFICATION

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:

(Describe below the nature of the emergency and its affected area.)

(Optional)

_____

_____

_____

_____

THE UNUSUAL EVENT/ALERT/SITE/GENERAL EMERGENCY
(Circle One)

HAS BEEN RECLASSIFIED AS A _____ ALL EDISON NUCLEAR EMERGENCY
(New Event Level)

RESPONSE TEAM MEMBERS REMAIN AT YOUR RESPECTIVE EMERGENCY DUTY STATION.

NO ACTION IS REQUIRED BY OTHER STATION PERSONNEL, VISITORS, OR CONSTRUCTION PERSONNEL. STANDBY FOR FURTHER INSTRUCTIONS".

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

_____
INITIALS

call back number _____
call back time _____

APPROVED BY: _____
Emergency Coordinator, or:
Emergency Planning Coordinator
(Verbal Authorization Allowed)

ANNOUNCEMENT 12: CLOSE OUT

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL:

THE _____ HAS BEEN TERMINATED
(Event Level)

(Optional)

_____

_____

_____

(Describe above the nature of the emergency and the current status)

ALL EDISON NUCLEAR EMERGENCY RESPONSE TEAM PERSONNEL REMAIN AT YOUR EMERGENCY DUTY STATION UNTIL RELIEVED BY THE EMERGENCY COORDINATOR. NO ACTION IS REQUIRED BY OTHER STATION PERSONNEL, VISITORS OR CONSTRUCTION PERSONNEL."

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

_____
INITIALS

call back number _____
call back time _____

APPROVED BY: _____
Emergency Coordinator, or:
Emergency Planning Coordinator, or:
Operations Leader
(Verbal Authorization Allowed)

ANNOUNCEMENT 13: FIRE

"ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL. A FIRE HAS BEEN DETECTED IN

UNITS 1, 2 OR 3 THE "FIRE IS LOCATED AT _____
Circle One Specific Area (RM. #, Elevation, etc.)

IN A CONTAMINATED/NON CONTAMINATED AREA.
Circle One

STATION FIRE FIGHTERS RESPOND.

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

_____
INITIALS

call back number _____
call back time _____

APPROVED BY: _____
Emergency Coordinator, or:
Emergency Planning Coordinator, or:
Operations Leader, or:
Shift Supervisor/ Control Operator
(Verbal Authorization Allowed)

ANNOUNCEMENT 14: PERIMETER PAGING BEACH EVACUATION

"ATTENTION ON THE BEACH

ATTENTION ON THE BEACH:

AN EMERGENCY CONDITION EXISTS AT THE SAN ONOFRE NUCLEAR GENERATING STATION. A PRECAUTIONARY EVACUATION HAS BEEN DIRECTED TO ENSURE PUBLIC SAFETY. THERE IS NO IMMEDIATE DANGER. PLEASE LEAVE THE BEACH AREA IN AN ORDERLY MANNER."

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

INITIALS

call back number _____
call back time _____

APPROVED BY: _____
Emergency Coordinator, or:
Emergency Planning Coordinator, or:
Security Leader
(Verbal Approval Allowed)

ANNOUNCEMENT 15: BEACH EVACUATION SITE ANNOUNCEMENT

"ATTENTION ALL PERSONNEL,

ATTENTION ALL PERSONNEL,

A PRECAUTIONARY BEACH EVACUATION HAS BEEN ORDERED. BEACH SIRENS WILL BE ACTIVATED.

NO ADDITIONAL RESPONSE BY PERSONNEL ON SITE IS REQUIRED."

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

INITIALS

call back number _____
call back time _____

APPROVED BY: _____
Emergency Coordinator, or:
Emergency Planning Coordinator
(Verbal Authorization Allowed)

ANNOUNCEMENT 16: AUTOMATIC THUNDERBOLT ACTIVATION-NO EVACUATION REQUIRED

"ATTENTION ALL PERSONNEL,

ATTENTION ALL PERSONNEL,

THE ACTIVATION OF THE RADIOLOGICAL EVACUATION SIREN WAS DUE TO A SAFETY SYSTEM INITIATION. NO EVACUATION HAS BEEN ORDERED, I REPEAT, NO EVACUATION HAS BEEN ORDERED OR IS NECESSARY. STANDY BY FOR FURTHER INSTRUCTIONS."

Time 1st Announcement Made _____

Time 2nd Announcement Made _____

INITIALS

call back number _____
call back time _____

APPROVED BY: _____
EMERGENCY Coordinator, or:
EMERGENCY Planning Coordinator
(Verbal Authorization Allowed)

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HEALTH PHYSICS LEADER DUTIES

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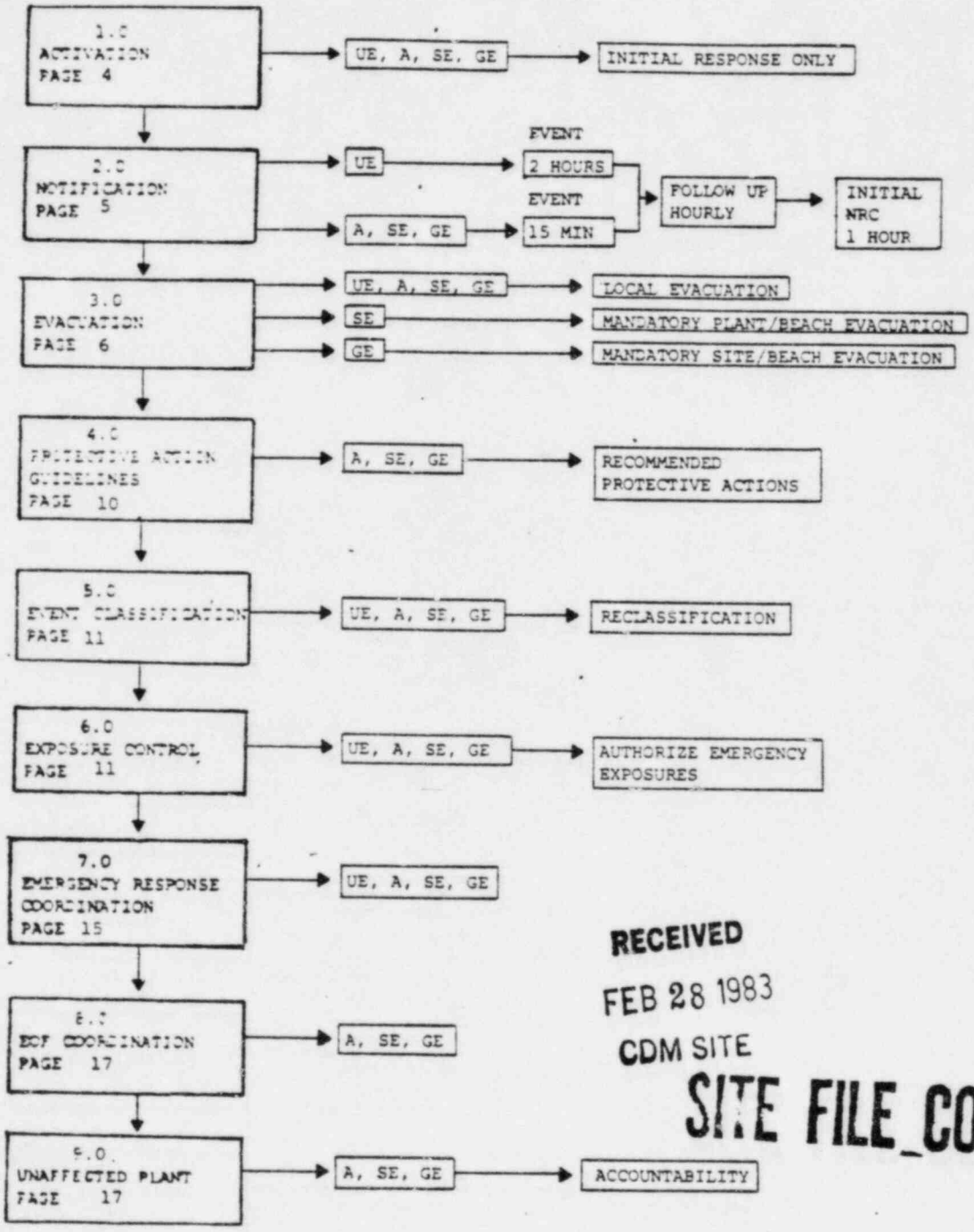


PAGES CHANGED WITH THIS REVISION: NEW

PREPARED BY: W. Otto 2-23-83
PROCEDURE WRITER DATE

APPROVED BY: W. C. Moody 2/24/83
W. C. MOODY DATE
DEPUTY STATION MANAGER

HEALTH PHYSICS LEADER DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: HEALTH PHYSICS FOREMAN

2. EMERGENCY RECALL: HEALTH PHYSICS MANAGER

B. OBJECTIVES

1. Provide Guidelines to the Health Physics Leader for directing Emergency Response activities.

C. PRECAUTIONS

1. EMERGENCY COORDINATOR RESPONSIBILITIES

Ensure that Emergency Coordinator authorization is obtained for the following:

a. EMERGENCY EVENT DECLARATION

b. NOTIFICATION FORMS APPROVAL

c. PRECAUTIONARY PLANT OR SITE EVACUATION

d. OFFSITE PROTECTIVE ACTION RECOMMENDATIONS

e. EXCEEDING 10 CFR 20 EXPOSURE LIMITS

2. EVENT RECLASSIFICATION

a. PROCEDURE REVIEW

Following each reclassification:

REVIEW Sections 2.0 - 9.0 of this procedure.

CHECK OFF the Emergency Action Level (EAL) at which each step was implemented as follows:

PLACE an "X" through EAL code in parenthesis.

(UE) - Unusual Event

(A) - Alert

(SE) - Site Emergency

(GE) - General Emergency

REVIEW Sections 2.0-9.0 of this EPIP as frequently as possible during each EAL to ensure applicable actions are implemented.

C. PRECAUTIONS (Continued)

3. PERSONNEL SAFETY

a. The safety of personnel takes precedence over contamination controls. If personnel or vehicle monitoring interferes with safe evacuation, recall the monitoring teams.

D. ATTACHMENTS

1. Personnel Accountability Form
2. ODAC Notification Form
3. Evacuation Hazards
4. Emergency Exposure Guidelines
5. Recommended Protective Actions To Avoid Whole Body and Thyroid Dose From Exposure To A Gaseous Plume
6. Representative Shielding Factors From A Gamma Cloud Source
7. Representative Shielding Factors For Surface Deposited Radionuclides
8. Summary Of Evacuation Time Estimates
9. Guidelines For Protection Against Ingestion Of Contamination
10. Emergency Exposure Authorization Form
11. Effects Of Acute Exposures
12. KI Issue Log
13. Exclusion Area Boundary

1.0 ACTIVATION (UE,A,SE,GE) (INITIAL RESPONSE ONLY)

1.1 EMERGENCY DUTY STATION (UE,A,SE,GE)

REPORT to the TSC

OBTAIN the HP Leader notebook.

DIRECT the HP Foreman to implement SO123-VIII-40.1, "HEALTH PHYSICS FOREMAN DUTIES".

CONTACT the unaffected plant Health Physics Foreman.

1.2 RECORD KEEPING (UE,A,SE,GE)

WHEN emergency conditions will allow:

ENSURE that a log is initiated and maintained.

RECORD the name of the HP Leader.

DOCUMENT all actions required:

To mitigate Emergency Conditions

By Health Physics Procedures

By EPIPs

1.3 EQUIPMENT TESTING

1.3.1 TELECOMMUNICATIONS EQUIPMENT

.1 IVORY PHONE

NOTIFY the control room on the Ivory Phone that the HP Leader has arrived in the TSC.

MAINTAIN status boards.

.2 PAX/BELL PHONE (UE,A,SE,GE)

TEST all PAX/BELL phones assigned to Health Physics by contacting an individual listed in the ERTD section C.

.3 RADIO EQUIPMENT (UE,A,SE,GE)

TEST the operators console

.4 REPAIR SERVICE (UE,A,SE,GE)

REPORT equipment malfunction to the Telecommunications Test Board (see ERTD Tab M).

1.0 ACTIVATION (UE,A,SE,GE) (INITIAL RESPONSE ONLY) (Continued)

1.3.2 COMPUTER EQUIPMENT (UE, A, SE, GE)

.1 EMERGENCY ASSESSMENT AND RESPONSE SYSTEM (EARS) (A,SE,GE)

ASSIGN a computer operator.

OBTAIN Dose Assessments (EARS) diskettes from the Emergency Equipment Kit (Inventory list in HP leaders notebook).

TEST computer operability.

.2 REPAIR SERVICE (UE,A,SE,GE)

CONTACT the Onshift Computer Technician for any problem (see ERTD Tab D).

1.4 ACCOUNTABILITY (A,SE,GE ONLY)

ASSIGN an individual to ensure that all HP personnel assigned to the TSC have signed the Personnel Accountability form. (attachment 1)

ENSURE that the Personnel Accountability form is kept current as personnel changes occur.

1.5 TURNOVER (UE,A,SE,GE)

WHEN the Emergency Recall HP Leader arrives,

TURNOVER responsibility by reviewing the current status of the following:

HP Leader Log

Equipment/Personnel Status

Emergency Exposures Authorized

Corrective Actions in progress

RECORD completion of the turnover in the HP Leader Log.

REPORT completion of the turnover to the Emergency Planning Coordinator.

2.0 NOTIFICATION (UE,A,SE,GE)

2.1 COORDINATION (UE, A, SE, GE)

UPON request from the Shift Communicator:

PROVIDE pertinent information for applicable notification
forms such that the time requirements listed in 2.2 below can be met.

2.0 NOTIFICATION (UE,A,SE,GE) (Continued)

2.2 TIME REQUIREMENTS (UE, A, SE, GE)

INITIAL NOTIFICATONS

UNUSUAL EVENT - Within 2 hours of Declaration of Event.

ALERT/SITE OR GENERAL - Within 15 minutes of Declaration of Event.

FOLLOW-UP NOTIFICATIONS

ALL EVENT LEVELS - Every hour during transient plant conditions.

NRC NOTIFICATION (ENS FORM)

ALL EVENT LEVELS- Notification initiated within one hour of Declaration.

2.3 ODAC NOTIFICATION (A, SE, GE)

PROVIDE radiological data to the EOF hourly via the HP Computer or ODAC Form. Obtain Emergency Coordinator approval as noted on the ODAC Form, Attachment 2.

3.0 EVACUATION (UE, A, SE, GE)

3.1 LOCAL EVACUATION - (UE,A,SE,GE)

3.1.1 ACTIONS

DIRECT a Local Evacuation for radiological hazards listed in Attachment 3.

NOTIFY the Control Room of any Local Area Evacuation.

REQUEST that the appropriate announcement be made.

ENSURE all persons evacuated from Restricted Areas are accounted for by the Dosimetry Computer or through work party supervisor.

IDENTIFY an assembly area for personnel undressing, frisking and debriefing.

3.1.2 EMERGENCY RESPONSE FACILITY EVACUATION (UE, A, SE, GE)

.1 ACTION LEVEL (UE, A, SE, GE)

RECOMMEND to the Emergency Coordinator, an evacuation of the
TSC or OSC if occupants may exceed 5 Rem whole body or 25 Rem thyroid dose.

3.1.2 EMERGENCY RESPONSE FACILITY EVACUATION (UE, A, SE, GE) (Continued)

.2 TSC EVACUATIONS (UE, A, SE, GE)

IF the TSC must be evacuated:

ENSURE H/P personnel evacuate to the alternate TSC as follows:

Unit 1 - Units 2/3 TSC
Units 2/3 - Units 1 TSC

IF time permits an orderly evacuation:

ENSURE all unit related documents are moved to the new location

.3 CONTROL ROOM EVACUATION (UE, A, SE, GE)

RECOMMEND evacuation of the Control Room if personnel may exceed the guidelines in Attachment 4, "Emergency Exposure Guidelines."

3.2 PRECAUTIONARY EVACUATIONS (UE,A,SE,)

3.2.1 ACTIVATION

IF conditions indicate that radiological hazards exist (see Attachment 3), or a potential for hazards exist, which endanger personal safety:

Major portions of the Protected Area

Major portions of the Owner Controlled Area

State Beaches

RECOMMEND that the Emergency Coordinator order, respectively, a precautionary:

Plant Evacuation (Proceed to 3.3)

Site Evacuation (Proceed to 3.3)

Beach Evacuation (Proceed to 3.5)

3.2.2 CONTAMINATION CONTROLS

MAINTAIN normal frisking, step-off-pad and portal monitor controls during a Precautionary Evacuation.

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.3 PLANT OR SITE EVACUATION - SITE OR GENERAL EMERGENCY

NOTE: Definitions:

PLANT EVACUATION - MANDATORY AT SITE EMERGENCY. Evacuation of non-essential personnel from the three unit protected area.

SITE EVACUATION - MANDATORY AT GENERAL EMERGENCY. Evacuation of non-essential personnel from the owner controlled area and the Mesa.

3.3.1 ACCOUNTABILITY

PROVIDE the Security Leader with a list of essential Health Physics personnel who will remain within the Evacuated Area (accountability forms, attachment 1).

3.3.2 TIME REQUIREMENT

PROVIDE this accountability within 15 minutes of the first plant or site evacuation announcement.

3.3.3 DIRECTION OF EVACUATION

DETERMINE safest evacuation routes based upon available radiological data.

NOTIFY the Emergency Coordinator, Emergency Planning Coordinator, Security Leader and Shift Communicator of the proper evacuation route.

3.3.4 RESCUE (UE, A, SE, GE)

ENSURE that the Health Physics Foreman assigns technicians to search and rescue teams as required.

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.3.5 CONTAMINATION CONTROLS (UE, A, SE, GE)

VEHICLE/PERSONNEL MONITORING (UE, A, SE, GE)

DIRECT the HPF to assign response teams to monitor vehicles and/or personnel prior to and during a mandatory evacuation.

CAUTION
=======

IF Contamination controls interfere with the safety of personnel during a Plant Evacuation:

DIRECT the HPF to discontinue monitoring at normal exit points and monitor at the Plant Evacuation assembly areas.

CONTAMINATED VEHICLES (UE, A, SE, GE)

REQUEST the Security Leader impound Contaminated Vehicles for later decontamination.

ASSEMBLY AREAS (UE, A, SE, GE)

DIRECT the HP foreman to maintain Radiological Surveillance of Assembly Areas.

ACTION LIMITS (UE, A, SE, GE)

RECOMMEND relocation to an alternate assembly area when levels reach:

100 mRem/hr

3E-8 uCi/ml (or if continued occupancy could result in 40 mpc hours or more).

3.3.6 RECOMMENDATIONS (UE, A, SE, GE)

BASED on survey results:

RECOMMEND to the Emergency Coordinator whether personnel should:

Return to their work stations or;

Be sent home, or;

Be evacuated North or South

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.4 RE-ENTRY (UE,A,SE,GE)

ADVISE the Emergency Coordinator on the feasibility of re-entering a radiologically contaminated area, considering the following:

NECESSITY

The necessity of re-entering the affected area versus the anticipated exposure.

ALARA

Methods of reducing exposure to response teams.

DECAY

Whether re-entry can be delayed for radioactive decay without affecting plant or personnel safety.

3.5 BEACH EVACUATION (A, SE, GE)

3.5.1 PRECAUTIONARY EVACUATION

RECOMMEND to the Emergency Coordinator a precautionary evacuation if:

Projected dose to beach population exceeds 170mRem whole body or thyroid dose.

3.5.2 MANDATORY EVACUATION (SE, GE)

REQUEST that the MANAGER of Nuclear Operations, (or his TSC designee) contact the EOF to offer assistance to State Park personnel for monitoring vehicles and/or personnel evacuating the beaches.

4.0 PROTECTIVE ACTION GUIDES (A, SE, GE)

4.1 DOSE ASSESSMENTS (A, SE, GE)

INITIATE the HP Computer or implement SO1(23)-VIII-22 "SOURCE TERM" AND SO1(23)-VIII-23 "DOSE ASSESSMENT".

4.2 RECOMMENDATIONS (A, SE, GE)

MAKE recommendations to the Emergency Coordinator based on Attachment 5, "RECOMMENDED PROTECTIVE ACTIONS TO AVOID WHOLE BODY AND THYROID DOSE FROM EXPOSURE TO A GASEOUS PLUME".

4.2.1 SHIELDING (A, SE, GE)

REVIEW Attachment 6 and 7 for representative sheilding factors from gamma cloud source and representative shielding factors for surface deposited nuclides.

4.0 PROTECTIVE ACTION GUIDES (A, SE, GE) (Continued)

4.2.2 EVACUATION (A, SE, GE)

REVIEW Attachment 8, "SUMMARY OF EVACUATION TIME ESTIMATES" to determine the feasibility of evacuating the general public.

4.2.3 INGESTION (A, SE, GE)

REVIEW Attachment 9 for guidelines for protection against ingestion of contamination.

4.3 RE-EVALUATION (A, SE, GE)

RE-EVALUATE recommended protective measures as conditions change and update recommendations as necessary.

5.0 EVENT CLASSFICATION (UE,A,SE,GE)

5.1. EMERGENCY ACTION LEVELS (UE, A, SE, GE)

REVIEW "A" Tabs of SO1(23)-VIII-1, "RECOGNITION AND CLASSIFICATION OF EMERGENCIES"

CAUTION Ensure the proper unit EPIP is used.

INFORM the Emergency Advisor of changing parameters that could effect the classification of the Emergency Event.

5.2 EVENT CLOSE OUT (UE, A, SE, GE)

WHEN requested by the Emergency Advisor:

PROVIDE information that pertains to the existing radiological conditions.

6.0 EXPOSURE CONTROL (UE, A, SE, GE)

6.1 AUTHORIZATION (UE, A, SE, GE)

6.1.1 REGULATORY LIMITS (UE, A, SE, GE)

QUARTERLY LIMITS

ENSURE the Emergency Coordinator authorizes exposures in excess of 10 CFR 20 limits.

NOTE: If time is a factor, authorization may be verbal with documentation to be completed later.

6.0 EXPOSURE CONTROL (UE, A, SE, GE) (Continued)

EMERGENCY EXPOSURES

Review emergency exposure guidelines in Attachment 4.

6.1.2 EMERGENCY EXPOSURE AUTHORIZATION

ENSURE that the individual who is to receive the exposure is a volunteer and has signed an Emergency Exposure Authorization form (Attachment 10).

6.1.3 BIOLOGICAL EFFECTS

ENSURE he has been briefed on the biological effects of acute exposure (Attachment 11).

6.1.4 ADMINISTRATIVE LIMITS (UE, A, SE, GE)

ENSURE that personnel who may exceed normal administrative limits are on the Emergency Exposure Authorization List (located in the Leader's Notebook or Dosimetry Computer).

6.2 PRECAUTIONS (UE, A, SE, GE)

6.2.1 WOMEN (UE, A, SE, GE)

PROHIBIT women of child-bearing age and capability from exceeding 3 Rem.

6.2.2 AGE (UE, A, SE, GE) (UE, A, SE, GE)

IF possible:

OBTAIN volunteers over the age of 45 for exposures exceeding 3 Rem.

6.3 POST-EXPOSURE EVALUATION (UE, A, SE, GE)

6.3.1 RESTRICTION (UE, A, SE, GE)

RESTRICT the individual from further occupational exposure until an evaluation is completed.

6.3.2 DOSE EQUIVALENT (UE, A, SE, GE)

DETERMINE a dose equivalent using all available data.

6.3.3 BIOASSAY (UE, A, SE, GE)

SCHEDULE bioassays as required.

6.0 EXPOSURE CONTROL (UE, A, SE, GE) (Continued)

6.3.4 MEDICAL EVALUATION (UE, A, SE, GE)

REQUEST a medical evaluation if the dose equivalent exceeds 10 Rem whole body, 60 Rads skin, or 150 Rem extremity.

NOTE: The Physician of service to SCE is: Dr. J.F. Ross UCLA Department of Medicine (see ERTD, Tab A).

6.3.5 NOTIFICATION (UE, A, SE, GE)

NOTIFY the NRC of any overexposures pursuant to 10 CFR20.405.

6.4 USE OF POTASSIUM IODIDE (KI) (UE, A, SE, GE)

CONSIDER the use of KI for emergency personnel if they have been or will be exposed to a radioiodine dose in excess of 1 Rem. (See SO23-VIII-28.3, "THYROID INHALATION DOES ESTIMATE").

6.4.1 PRECAUTIONS (A, SE, GE)

RESPONSIBILITY

ENSURE that the Health Physics Leader, or his designee, acting as agent for the Edison Medical Director, authorizes the administration of KI.

ALLERGIES

DO NOT administer KI to individuals who are known to be allergic or have a history of thyroid disease.

ENSURE that individuals suspected of adverse reactions are examined by a physician.

6.4.3 ADMINISTRATION OF POTASSIUM IODIDE (A, SE, GE)

PHYSICIAN'S COUNSEL

IF time permits:

SEEK counsel of the Edison On-Duty Physician. (See the Emergency Response Telephone Directory, Tab A.)

6.0 EXPOSURE CONTROL (UE, A, SE, GE) (Continued)

KI ISSUE LOG

RECORD the date, name and social security number of each individual receiving KI (Attachment 12, KI Issue Log).

DAILY DOSE
OBTAIN tablets from Emergency Kits and dispense only a single tablet of KI to an individual per day.

LENGTH OF ADMINISTRATION

CONTINUE daily dosage for three days after exposure to radioactive iodine has ended or until a whole body count shows less than 300 nCi radioiodine body burden.

DO NOT exceed 10 days.

6.5 RESPIRATORY PROTECTION

6.5.1 ACTION LIMITS

PROVIDE respirators to Emergency personnel when airborne concentrations reach 3E-7 uci/ml gross Beta-gamma.

6.5.2 RESPIRATOR ISSUE

ENSURE respirators are issued to Emergency Response personnel including:

Security guards on Post

CDM Personnel

Operators

Personnel in the TSC and OSC

6.5.3 RESPIRATOR QUALIFICATION

ENSURE personnel required to wear respiratory protection are on the qualification list (Emergency Recall List).

6.4.5 THYROID INHALATION DOSE

IF personnel have been or may be exposed to radioiodine concentrations in excess of 1E-7 uci/ml:

ESTIMATE thyroid inhalation dose using SO23-VIII-28.3, "INPLANT RADIOIODINE MONITORING: THYROID INHALATION DOSE ESTIMATE".

7.0 EMERGENCY RESPONSE COORDINATION (UE,A,SE,GE)

7.1 COMMUNICATIONS (UE, A, SE, GE)

7.1.1 IVORY PHONE USE

ENSURE that Emergency Response Team Leaders use the Plant Emergency Response Telephone (Ivory Phone) for information flow only.

NOTE: The Ivory Phone should be used for information flow from the Control Room only. Requests for information should be limited to only those that cannot be obtained on the CFMS or FOX 3 Safety Display Parameter Systems and the HP Computer.

7.1.2 PAX/BELL PHONE USE

ENSURE all Decision Communications between Emergency Response Team Leaders is conducted over PAX phones.

7.2 EMERGENCY RECALL (UE, A, SE, GE)

7.2.1 UNUSUAL EVENT (UE)

IF emergency conditions dictate the need for additional HP personnel:

DIRECT the Shift Communicator to contact the required personnel

IF reclassification to a higher level is imminent:

RECOMMEND that the Emergency Coordinator activate the Emergency Recall Organization

7.2.2 ALERT, SITE AND GENERAL EMERGENCIES

IF additional HP personnel are needed:

DIRECT the Shift Communicator to contact them.

7.2.3 MUTUAL AID AGREEMENT (SE,GE)

IF additional assistance is required, (beyond that available from SONGS and local agencies),

REQUEST that the Manager of Nuclear Operations or his TSC designee contact the EOF and obtain aid from other utilities according to the West Coast Utilities Radiological Mutual Assistance Agreement or from INPO, according to the INPO Resources Manual.

7.0 EMERGENCY RESPONSE COORDINATION (UE,A,SE,GE) (Continued)

7.3 RECORD KEEPING (UE, A, SE, GE)

7.3.1 HEALTH PHYSICS LOGS

APPOINT an assistant to maintain a log of Health Physics actions.

ENSURE the HP Foreman maintains a log of OSC activities.

7.3.2 PROCEDURE CHECKLIST(S) OR ATTACHMENT(S)

ENSURE completion of any checklist or Attachment activated by your group, that has a signature, initial, or time completed block.

7.3.3 RECORD RETRIEVAL (UE, A, SE, GE)

UNUSUAL EVENT (NO ESCALATION)

UPON termination of the Event:

TURN IN log sheets, procedure checklist(s) and completed attachments to the Shift Communicator.

ALERT, SITE OR GENERAL

UPON termination of the Event:

TURN IN log sheets, procedure checklists and completed attachments to the Administrative Leader.

7.4 DIRECTION OF RADIOLOGICAL MONITORING - (UE,A,SE,GE)

7.4.1 RESPONSE TEAMS (UE, A, SE, GE)

REQUEST the Health Physics Foreman to assign response teams for Radiological Monitoring.

PROVIDE the HP Foreman with the following information:

The number of teams required;

Predesignated monitoring points, sector(s), or location of surveys.

NOTE: In the event releases exceed, or may exceed, 10 times the limits of Appendix B, Table II of 10CFR Part 20, dispatch a monitoring team to the predesignated monitoring point in the downwind sector at the Exclusion Area Boundary (Attachment 13). PIC's are located at the EAB in each sector.

7.0 EMERGENCY RESPONSE COORDINATION (UE,A,SE,GE) (Continued)

MAINTAIN Status

NOTE: Site and EPZ maps indicating PIC and siren locations are in the Leader's notebook.

7.4.2 PROTECTIVE CLOTHING

IF additional protective clothing is required:

REQUEST the administrative leader obtain it from the warehouse.

7.5 TURNOVER (UE, A, SE, GE)

IF a turnover must be conducted after the initial one:

COMPLETE the turnover process according to section 1.5 of this procedure.

8.0 EOF COORDINATION (A, SE, GE)

8.1 RECOVERY ORGANIZATION (A, SE, GE)

WHEN requested by the Emergency Coordinator:

PROVIDE a list of damages or conditions (particular to your expertise) which would prevent plant operations from being resumed with the normal Station Organization

AND

MAKE recommendations for the composition of the Recovery Organization.

9.0 UNAFFECTED PLANT (A, SE, GE)

9.1 UNUSUAL EVENT: No support required

9.2 ALERT, SITE AND GENERAL EMERGENCIES

9.2.1 HEALTH PHYSICS FOREMAN

REPORT to the unaffected plant TSC.

IMPLEMENT applicable section of this procedure for the unaffected plant

9.0 UNAFFECTED PLANT (A, SE, GE) (Continued)

APPOINT the senior H/P technician to implement SO123-VIII-40.1 "HEALTH PHYSICS FOREMAN DUTIES" in the OSC.

CONTACT the affected plant H/P leader to offer assistance

WITHIN 15 minutes of a Plant or Site Evacuation:

PROVIDE a current copy of Attachment 1, "Personnel Accountability form" to the unaffected Plant Security Leader.

0351F

PERSONNEL ACCOUNTABILITY FORM

PRINTED NAME LAST, FIRST, MIDDLE INITIAL	BADGE #	SLOT #	LOCATION (OSC/TSC/CR)	RESPIRATOR QUALIFIED (YES/NO)

INSTRUCTIONS: THIS FORM TO BE SUBMITTED DIRECTLY TO THE SECURITY LEADER WITHIN

FIFTEEN (15) MINUTES

OF THE FIRST PUBLIC ADDRESS ANNOUNCEMENT FOR A PLANT/SITE EVACUATION

ODAC NOTIFICATION FORM

THIS NOTIFICATION SHOULD BE MADE AT LEAST ONCE EVERY HOUR DURING CHANGING PLANT CONDITIONS ONLY.

Time: _____ Emergency Event No. _____ - _____ - _____.
(Sequential Number for Each Year, See 6.5)

Date: _____

"This is the San Onofre Nuclear Generating Station. This is an ODAC Notification. A (an): (Circle the applicable Classification Below)

UNUSUAL EVENT ALERT SITE EMERGENCY GENERAL EMERGENCY

Which is in progress at Unit(s) _____. The following Information is provided.

1. Dose Projections (REQUIRES EC APPROVAL FOR RELEASE)

	Site Boundary	2 Miles	5 Miles	10 Miles
Whole Body Dose Rate (in mRem/hr)	/	/	/	/
Thyroid Dose (mRem)	/	/	/	/
Thyroid Dose (mRem)	/	/	/	/
Highest/Adjacent Sectors Affected:	/	/	/	/
	/	/	/	/

2. Measurements

Time	Location	Whole Body	Thyroid
____	_____	_____mrem/hr	_____mrem/hr
____	_____	_____mrem/hr	_____mrem/hr
____	_____	_____mrem/hr	_____mrem/hr
____	_____	_____mrem/hr	_____mrem/hr

3. Airborne Release: (Requires EC approval for release)

Time Release Started _____ AM/PM

Release Duration _____ hrs.

Expected Release Rate _____ Ci/sec

Xe-133 Equivalent _____ Ci/sec

I-131 Equivalent Release Rate _____ Ci/sec

4. Meteorology Data:

Wind Direction From: _____ _____

Wind Speed _____ miles/hour

Affected Sector(s) ___/___/___/___
___/___/___/___

Stability Class _____

Precipitation _____

5. Liquid Release (Requires EC approval for release)

Time Release Started	_____	AM/PM	_____	AM/PM
Expected Release Duration	_____	hrs.	_____	hrs.
Release Rate	_____	gal.	_____	Ci/sec

6. If a Bell Phone was used, Call _____ to verify receipt of this Notification.
BELL #

7. Ensure your teletype is in PRINT LINE mode. Call _____ to verify hard copy receipt
IAT or BELL #

8. Please read back this message to check for accuracy.

DRAFTED BY: _____ APPROVED: _____
HEALTH PHYSICS LEADER EMERGENCY COORDINATOR

EVACUATION HAZARDS

A. RESPONSIBILITY: ALL EMERGENCY RESPONSE PERSONNEL

B. OBJECTIVE: Provide indications of potential and actual hazards by which to determine the need for an evacuation

ARMS

Hi alarm(s) on an Area Radiation Monitoring System (ARMS) alarm, or:

AIRBORNE MONITORS

A building or containment ventilation monitor(s) indicates airborne activity in excess of 10MPC, or:

CAMS

Alarm on portable radiation monitors and/or continuous air monitors (CAMS), or:

SPILLS

Localized spills of radioactive material with sufficient magnitude to result in personnel exposure, or:

FIRE

Fire in any occupied area, or:

GASES

Toxic or flammable gases or heavy smoke observed or reported in any area, or:

CHEMICALS

Chemical hazards to personnel in any area; or

HIGH PRESSURE LEAKS

High Pressure steam or water leaks

ADVERSE WEATHER

Adverse weather conditions, such as floods, hurricanes, or tornados are expected to occur. In the case of adverse weather, advance weather warnings will normally provide adequate time for an orderly dismissal of plant personnel, without the need for evacuation.

EMERGENCY EXPOSURE GUIDELINES

	Lifesaving/Protection of Public Health and Safety Activities		Emergency (Nonlifesaving) Activities	
	Whole Body Dose (Rem)	Thyroid Dose (Rem)	Whole Body Dose (Rem)	Thyroid Dose (Rem)
Undertaking Corrective Actions	75	*	25	125
Performing Assessment Actions	--	--	25	125
Providing First Aid	75	*	25	125
Performing Ambulance Services	**	**	3	15
Providing Medical Treatment	**	**	3	15
Performing Search and Rescue Operations	75	*	25	125
Removal of Injured Persons	75	*	25	125
Recovery of Dead	--	--	25	125

* No specific upper limit is given for thyroid exposure since, in the extreme case, complete thyroid loss might be an acceptable penalty for a life saved. However, this should not be necessary as respirators and/or thyroid protection (KI) for the rescue personnel are available.

** It is unlikely that lifesaving guidelines will be necessary if exposures are maintained as low as practicable; however, should they be necessary, guidelines shall be consistent with other "Lifesaving/Protection of Public Health and Safety Activities".

RECOMMENDED PROTECTIVE ACTIONS TO AVOID WHOLE BODY AND THYROID DOSE FROM EXPOSURE TO A GASEOUS PLUME

Projected Dose (Rem) to The Population	Recommendations Actions	Comments
Whole Body > 0.17 < 1 Thyroid > 0.17 < 5	Issue an advisory to seek shelter and await further instructions. Monitor environmental radiation levels.	Previously recommended protective actions may be reconsidered or terminated.
Whole Body 1 to < 5 Thyroid 5 to < 25	Seek shelter as a minimum action. Consider evacuation. Evacuate unless constraints make it impractical. Monitor environmental radiation levels. Control access.	If constraints exist, special consideration should be given for evacuation of children and pregnant women.
Whole Body 5 and above Thyroid 25 and above	Conduct mandatory evacuation. Monitor environmental radiation levels and adjust area for mandatory evacuation based on these levels. Control access.	Seeking shelter would be an alternative if evacuation were not immediately possible.
Projected Dose (Rem) To Emergency Workers		
Whole Body 25 Thyroid 125 Thyroid Whole Body 75	Control exposure of emergency team members to these levels except for lifesaving missions. (Appropriate controls include time limitations, respirator and thyroid prophylaxis.) Control exposure of emergency team members performing a lifesaving mission to this level. (Control of time exposure will be most effective.)	Although respirators and thyroid prophylaxis should be used where effective to control dose to emergency workers, dose should not be the limiting factor for lifesaving missions.

REPRESENTATIVE SHIELDING FACTORS FROM GAMMA CLOUD SOURCE

STRUCTURE OR LOCATION	Shielding Factor(a)	Representative Range
Outside	1.0	--
Vehicles	1.0	--
Wood-Frame House (b) (No Basement)	0.9	--
Basement of Wood House	0.6	0.1 to 0.7 (c)
Masonry House (No Basement)	0.6	0.4 to 0.7 (c)
Basement of Masonry House	0.4	0.1 to 0.5 (c)
Large Office or Industrial Building	0.2	0.1 to 0.3 (c&d)

(a) The ratio of dose received inside the structure to the dose that would be received outside the structure.

(b) A wood frame house with brick or stone veneer is approximately equivalent to a masonry house for shielding purposes.

(c) This range is mainly due to different wall materials and different geometries.

(d) The shielding factor depends on where the personnel are located within the building (e.g., the basement or an inside room).

SELECTED SHIELDING FACTORS FOR AIRBORNE RADIONUCLIDES

Wood House, no basement	0.9
Wood House, basement	0.6
Brick House, no basement	0.6
Brick House, basement	0.4
Large Office or Industrial Building	0.2
Outside	1.0

* Taken from SAND 77-1725 (Unlimited Release)

REPRESENTATIVE SHIELDING FACTORS FOR SURFACE DEPOSITED RADIONUCLIDES

STRUCTURE OR LOCATION	REPRESENTATIVE SHIELDING FACTOR(a)	REPRESENTATIVE RANGE
1 m above an infinite smooth surface	1.00	--
1 m above ordinary ground	0.70	0.47 - 0.85
1 m above center of 50 ft. roadways, 50% decontaminated	0.55	0.4 - 0.6
Cars on 50 ft. road:		
Road fully contaminated	0.5	0.4 - 0.7
Road 50% decontaminated	0.5	0.4 - 0.6
Road fully decontaminated	0.25	0.2 - 0.5
Trains	0.40	0.3 - 0.5
One and two-story wood-frame house (no basement)	0.4	0.2 - 0.5
One and two-story block & brick house (no basement)	0.2(b)	0.04 - 0.40
House basement, one/two walls fully exposed	0.1(b)	0.03 - 0.15
One story, less than 2 ft. of basement, walls exposed	0.5(b)	0.03 - 0.07
Two stories, less than 2 ft. of basement, walls exposed	0.03(b)	0.02 - 0.05
Three/four-story structures, 5000 to 10,000 ft^2 per floor:		
First and second floors:	0.05(b)	0.01 - 0.08
Basement	0.01(b)	0.001 - 0.07
Multi-story structures, 10,000 sq. ft. per floor:		
Upper floors	0.01(b)	0.001 - 0.02
Basement	0.005(b)	0.001 - 0.015

(a) The ratio of dose received inside the structure to the dose that would be received outside the structure.

(b) Away from doors and windows.

* Taken from SAND 77-1725 (Unlimited Release)

SUMMARY OF EVACUATION TIME ESTIMATES [a]

CONDITION	EVACUATION TIME (in hours) [b]					
	0-2 Miles	0.5 Miles North	0.5 Miles South	0-10 Miles North Only	0-EPZ Boundary [c] North	0-EPZ Boundary [c] South
With Existing Evacuation Routing Plan						
Summer Weekend	2.00	4.50	2.00	4.50	6.25	2.25
Summer Weekday	1.75	4.50	1.75	4.50	5.50	1.75
Nighttime	1.50	4.00	1.50	4.00	4.75	1.50
Adverse Weather [d]	2.25	5.25	2.25	5.25	7.25	2.25
With Balanced Evacuation Routing on I-5 and PCH						
Summer Weekend	*	3.25	*	3.25	3.75	*
Summer Weekday	*	3.00	*	3.00	3.25	*
Nighttime	*	2.50	*	2.50	2.50	*
Adverse Weather [d]	*	4.25	*	4.25	4.75	*

(a) Does not include U.S. Marine Corp. Base, Camp Pendleton.
(b) Elapsed time between public warning and the crossing of the EPZ boundary by the last existing vehicle.
(c) The EPZ boundary in the south sector is located along the 10-mile radium arc.
(d) Reflects peak summer weekend permanent and transient populations and a 15 percent reduction in the capacities of all evacuation roadways.

* Time estimate for this sector would not be affected by balanced evacuation routing on northbound I-5 and PCH.

ESTIMATED RATE OF EVACUATION

NORTH SECTOR

CONDITION AND AREA OF EVACUATION	HOURS TO EVACUATE			
	25% of Population	50% of Population	75% of Population	All
DAYTIME SUMMER WEEKEND				
0-5 Miles	1.25	1.75	2.25	4.50
0-10 Miles	1.25	1.75	2.25	4.50
0 to EPZ Boundary	1.25	2.00	2.75	6.25
DAYTIME SUMMER WEEKDAY				
0-5 Miles	1.00	1.50	2.25	4.50
0-10 Miles	1.00	1.50	2.00	4.50
0 to EPZ Boundary	1.25	1.75	2.50	5.50
NIGHTTIME				
0-5 Miles	.50	1.00	2.00	4.00
0-10 Miles	.50	1.00	1.50	4.00
0 to EPZ Boundary	.75	1.25	1.75	4.75
DAYTIME SUMMER WEEKEND-ADVERSE WEATHER				
0 to EPZ Boundary	1.25	2.25	3.00	7.25

GUIDELINES FOR PROTECTION AGAINST INGESTION OF CONTAMINATION+

I. Ground Contamination

A. Action Levels

1. Projected whole body dose above the ground 1 Rem.

2. Ground Contamination Levels 200 uCi/m^2 at t = 1 hr. post-accident.

3. Exposure rate 12 mRem/hr at 1 meter above ground at t = 1 hr post-accident.

B. Recommended Protective Actions

1. Evacuation of affected areas.

2. Restriction of entry to contaminated offsite areas until radiation level has decreased to State approved levels.

II. Food and Water Contamination

A. Action Levels

	Contamination in Milk or Water (0.5 Rem WB or Bone: 1.5 Rem Thyroid) Preventive Level (uCi/l)	Contamination in Milk or Water (5 Rem WB or Bone: 15 Rem Thyroid) Emergency Level (uCi/l)	Total Intake via all Food & Water Pathways Preventive (uCi)	Total Intake via all Food & Water Pathways Emergency (uCi)	Pasture Grass (Fresh Weight) Preventive (uCi/kg)	Pasture Grass (Fresh Weight) Emergency (uCi/kg)
Nuclide*						
I-131 (Thyroid)	0.012	0.12	0.09	0.9	0.27	2.7
Cs-137 (Whole Body)	0.34	3.4	7	70	3.5	35
Sr-90 (Bone)	0.007	0.008	0.02	0.2	0.7	7
Sr-89 (Bone)	0.13	1.3	2.6	26	13	130

GUIDELINES FOR PROTECTION AGAINST INGESTION OF CONTAMINATION+

II. Food and Water Contamination (Cont'd)

B. Recommended Protective Actions

Preventive

1. Removal of lactating dairy cows from contaminated pasture and substitute uncontaminated stored feed.
2. Furnish source of uncontaminated water.
3. Withhold contaminated milk from market to allow for radioactive decay.
4. Divert fluid milk to production of dry whole milk, butter, etc.

Emergency

Isolate food and water from its introduction into commerce after considering:

a. availability of other possible actions;
b. importance of particular food in nutrition;
c. time and effort to take action;
d. availability of other foods.

* If other nuclides are present, Regulatory Guide 1.109 should be used to calculate the dose to the critical organ(s). Infants are a critical segment of the population.

\+ References: U.S. Food and Drug Administration, Federal Register, Volume 43, No. 242, December 15, 1978.

EMERGENCY EXPOSURE AUTHORIZATION FORM

DATE/TIME _____

Name: _____ AGE _____

SSN: _____

FILM OR TLD: _____

EMPLOYER/DEPT: _____

EXPOSURE LIMIT: _____

VOLUNTEER'S STATEMENT

I have volunteered to perform the task(s) during which I will receive the emergency exposure and I have been briefed on the potential biological consequences of the proposed exposure.

Individual: _____ Date: _____
(Signature)

Briefed By: _____ Date: _____
(Signature)

Approved By: _____ Date: _____
Emergency Coordinator (Signature)

EXPOSURE EVALUATION

Dosimeter _____ Film/TLD _____

____ Bioassay Required (Attach Results)

____ Medical Evaluation (Attach)

Dose Equivalent Assigned _____

HP Leader _____ Date _____

EFFECTS OF ACUTE EXPOSURES

Acute Dose (Rem)	Probable Effect
0-50	No obvious effect, except possibly minor blood changes.
80-120	Vomiting and nausea for about 1 day in 5 to 10 percent of exposed personnel. Fatigue but not serious disability.
130-170	Vomiting and nausea for about 1 day, followed by other symptoms of radiation sickness in about 25 percent of personnel. Rarely may death occur.
270-330	Vomiting and nausea in nearly all personnel on first day, followed by other symptoms of radiation sickness. About 20 percent deaths with 2 to 6 weeks after exposure; survivors convalescent for about 3 months.
400-500	Vomiting and nausea in all personnel on first day, followed by other symptoms of radiation sickness. About 50 percent deaths within 1 month; survivors convalescent for about 6 months.
550-750	Vomiting and nausea in all personnel within 4 hours from exposure, followed by other symptoms of radiation sickness. Up to 100 percent deaths; few survivors; convalescent for about 6 months.
1000	Vomiting and nausea in all personnel within 1 or 2 hours. Probably no survivors from radiation sickness.
5000	Incapacitation almost immediately. All personnel will be fatalities within 1 week.

KI ISSUE LOG

ADMINISTRANT: _____
DATE: _____

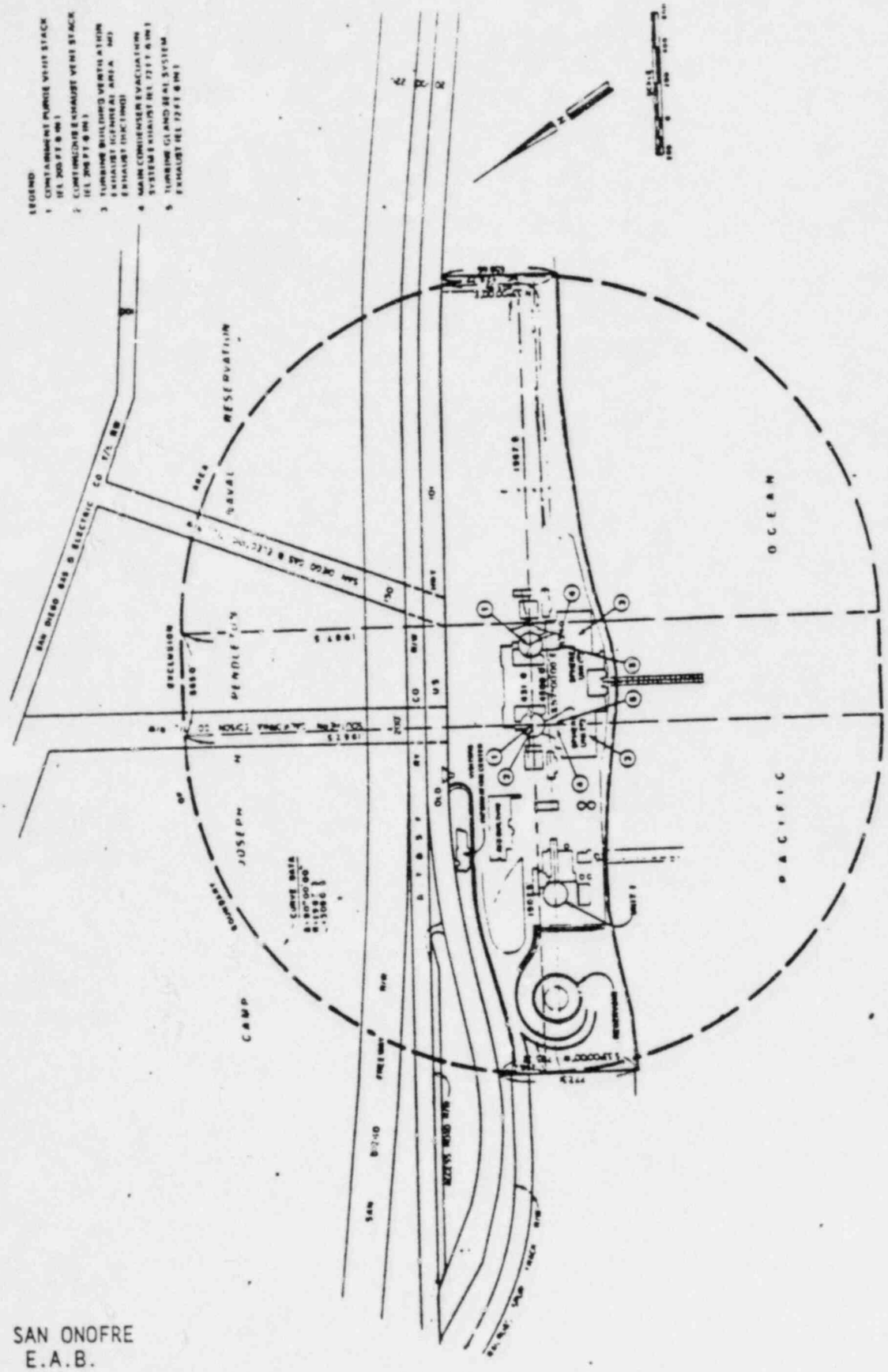
REASON FOR ISSUANCE: _____

_____

EDISON PHYSICIAN CONTACTED: _____
TIME: _____

HP LEADER APPROVAL _____
TIME: _____

	DATE OF ISSUE									
	1	2	3	4	5	6	7	8	9	10
NAME: SSN:										
NAME: SSN:										
NAME: SSN:										
NAME: SSN:										
NAME: SSN:										
NAME: SSN:										
NAME: SSN:										



SITE BOUNDARY FOR GASEOUS EFFLUENTS

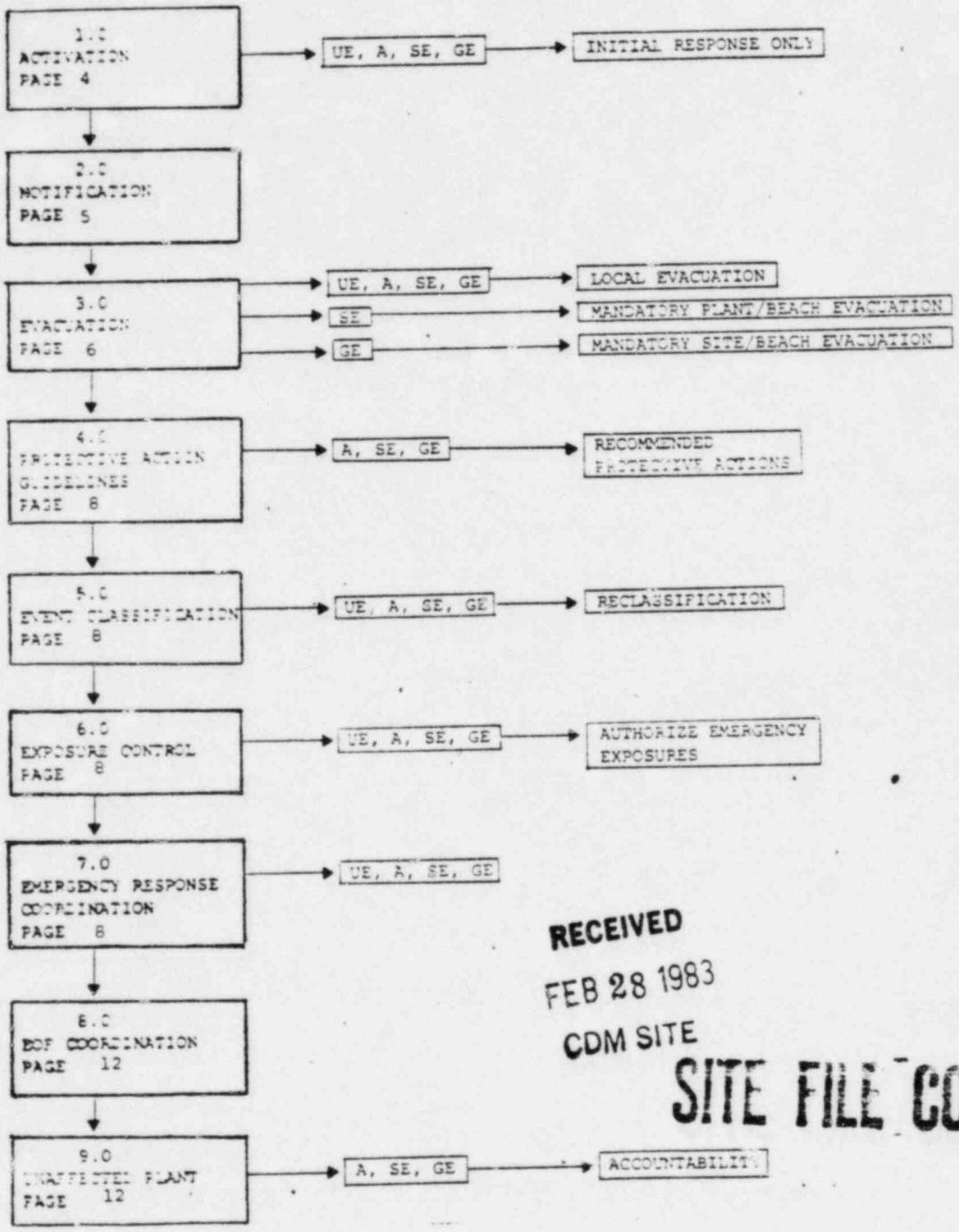
FIGURE 5.1-3

TECHNICAL SPECIFICATION DESIGN BASES SECTION 5.1.3

SAN ONOFRE
E.A.B.

HEALTH PHYSICS FOREMAN DUTIES

TABLE OF CONTENTS



PAGES CHANGED WITH THIS REVISION: NEW

PREPARED BY: W. Otto 2-23-83
PROCEDURE WRITER DATE

APPROVED BY: M. Moody 2/24/83
W. C. MOODY
DEPUTY STATION MANAGER
DATE

HEALTH PHYSICS FOREMAN DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: LEAD HEALTH PHYSICS TECHNICIAN

2. EMERGENCY RECALL: HEALTH PHYSICS FOREMAN

3. UNAFFECTED PLANT: ONSHIFT HP FOREMAN

B. OBJECTIVES

1. Provide guidance to the HP Foreman for directing Emergency Response activities.

C. PRECAUTIONS

1. MONITORING TEAM RESULTS
Inform the HP Leader of any change of conditions reported by monitoring teams.

2. PERSONNEL SAFETY
The safety of personnel takes precedence over contamination controls. If a safety concern develops, notify the HP Leader immediately.

3. EVENT RECLASSIFICATION

a. PROCEDURE REVIEW

Following each reclassification:

REVIEW Sections 2.0-9.0 of this EPIP.

CHECK-OFF the Emergency Action level (EAL) at which each step was implemented as follows:

PLACE an "X" through EAL code in parenthesis:

(UE) - Unusual Event

(A) - Alert

(SE) - Site Emergency

(GE) - General Emergency

REVIEW Sections 2.0-9.0 of this EPIP as frequently as possible during eah EAL to ensure applicable actions are implemented.

D. **ATTACHMENTS:**

1. Personnel Accountability Form
2. Evacuation Hazards
3. Team Leader Guidelines
4. Personnel Contamination Record
5. Vehicle Survey Record
6. Response Team Checklist

1.0 ACTIVATION (UE, A, SE, GE) (INITIAL RESPONSE ONLY)

1.1 EMERGENCY DUTY STATION (UE, A, SE, GE)

REPORT to the OSC.

OBTAIN the Health Physics Foreman's notebook.

1.2 RECORDKEEPING (UE, A, SE, GE)

ASSIGN communicator(s) to:

MAINTAIN contact with the HP Leader via PAX phones

MAINTAIN a log of HP activities in the OSC

MAINTAIN a status board of radiological information

MAINTAIN radio contact with response teams

MAINTAIN a radio issue log

1.3 EQUIPMENT TESTING (UE, A, SE, GE)

1.3.1 TELECOMMUNICATIONS EQUIPMENT (UE, A, SE, GE)

.1 IVORY PHONE (UE, A, SE, GE)

CONTACT the Affected Control Room (Emergency Response Telephone Directory [ERTD] Tab B)

REPORT that Health Physics is standing by to offer assistance.

.2 PAX/BELL PHONE (UE, A, SE, GE)

OBTAIN headsets from the Emergency Equipment Kit. (See Emergency Equipment Inventory List [EEIL] for location.)

TEST all PAX/BELL phones assigned to Health Physics by contacting an individual listed in the ERTD Tab C.

.3 RADIO EQUIPMENT (UE, A, SE, GE)

TEST all radios by contacting the Health physics Leader.

RECORD the names of each individual to whom a radio is issued.

.4 REPAIR SERVICE (UE, A, SE, GE)

REPORT equipment malfunction to the Telecommunications Test Board (See ERTD Tab M).

1.0 ACTIVATION (UE, A, SE, GE) (INITIAL RESPONSE ONLY) (Continued)

1.3 EQUIPMENT TESTING (UE, A, SE, GE)

1.3.2 PORTABLE MONITORING EQUIPMENT (UE, A, SE, GE)

TEST all portable monitoring equipment.

1.3.3 COUNT ROOM (UE, A, SE, GE)

ENSURE the Counting Room is manned and equipment is operating properly.

1.4 ACCOUNTABILITY (A, SE, GE)

ASSIGN an individual to ensure that all Health Physics personnel assigned to the OSC have filled out the Personnel Accountability Form (Attachment 1).

ENSURE that the Personnel Accountability Form is kept current as personnel changes occur.

1.5 TURNOVER PROCESS (UE, A, SE, GE)

WHEN the Health Physics Foreman relief arrives:

TURNOVER responsibility by reviewing the current status of the following:

Health Physics Foreman's Log

Emergency conditions/Corrective Actions

Equipment/Personnel status

1.6 MANPOWER (UE, A, SE, GE)

DETERMINE the number of technicians that may be needed for:

OSC Communications
Regular surveys of the TSC, OSC, CR, Chem Lab
Personnel monitoring
Vehicle monitoring
Offsite monitoring teams
Damage repair teams
Rescue/emergency medical response

IF additional technicians are needed:

NOTIFY the HP Leader.

2.0 NOTIFICATION: NO SUPPORT REQUIRED

3.0 EVACUATION (UE, A, SE, GE)

3.1 PRECAUTIONARY EVACUATIONS - (UE, A, SE, GE)

MAINTAIN normal frisking and step off pad procedures during precautionary evacuations.

3.2 MANDATORY EVACUATION (UE, A, SE, GE)

3.2.1 LOCAL AREA EVACUATIONS - (UE, A, SE, GE)

.1 HAZARDS (UE, A, SE, GE)

EVACUATE local areas for the hazards listed in Attachment 2.

.2 NOTIFICATION (UE,A, SE, GE)

NOTIFY the Control Room of any Local Area Evacuation.

.3 ASSEMBLY AREA (UE, A, SE, GE)

IDENTIFY an area for evacuees to assemble for undressing, monitoring and debriefing.

NOTE: If possible, the assembly area should be at a normal access control point.

.4 ASSESSMENT (UE, A, SE, GE)

DISPATCH technicians to the affected area to assess radiological hazards, monitor personnel or assist with emergency response (fire, medical, etc.).

3.2.2 PLANT OR SITE EVACUATION (SE, GE)

.1 ASSEMBLY AREAS (SE, GE)

ASSIGN a technician for monitoring each of the following Assembly Areas:

Unit 1:	Payroll trailer H-50 Bechtel design trailer L-50 AWS Building
Units 2&3	Office Building K-50 (OB-2) Offshore Pad

3.2.2.2 VEHICLES (UE, A, SE, GE)

WHEN requested by the Emergency Group Leader or HP Leader

ASSIGN HP technicians to response teams to monitor vehicles prior to and during an evacuation.

3.2.2.2 VEHICLES (UE, A, SE, GE) (Continued)

.3 GUIDELINES (UE, A, SE, GE)

ENSURE monitoring teams follow guidelines set forth in Attachment 3, "Team Leader Guidelines."

.4 DOCUMENTATION (UE, A, SE, GE)

ENSURE that personnel and vehicle contamination is documented on the respective forms. Personnel Contamination Record, Attachment 4; Vehicle Survey Record, Attachment 5.

.5 NOTIFICATION (UE, A, SE, GE)

NOTIFY the HPL of any contaminated personnel or vehicles.

.6 FOOD AND WATER (UE, A, SE, GE)

ENSURE that food and water supplies inside the evacuated area have been surveyed for contamination prior to consumption.

3.3 EVACUATION OF THE OSC (UE, A, SE, GE)

3.3.1 ACTION LEVELS (UE, A, SE, GE)

WHEN radiation levels reach 100 mRem/hr or airborne concentrations exceed 10 MPC at the OSC:

EVACUATE to the alternate OSC as follows:

UNITS	ALTERNATE LOCATION
1	Units 2/3 OSC
2/3	Lobby outside Control Room

3.3.2 ACCOUNTABILITY (UE, A, SE, GE)

ACCOUNT for all HP personnel.

3.3.3 EQUIPMENT AND DOCUMENTS 9UE, A, SE, GE)

REMOVE all essential equipment and documents to the alternate location.

3.3.4 NOTIFICATION

NOTIFY the HP Leader.

INFORM Response Teams of the move.

4.0 PROTECTIVE ACTION GUIDELINES (A, SE, GE)

PROVIDE any information which may aid the Health Physics Leader in making Offsite Protective Action recommendations.

5.0 EVENT RECLASSIFICATION (UE, A, SE, GE)

PROVIDE any information which may aid the HP Leader in making recommendations for Event Reclassification.

6.0 EXPOSURE CONTROL (UE, A, SE, GE)

6.1 REGULATORY LIMITS (UE, A, SE, GE)

CAUTION
=======
Emergency Coordinator approval is required for any exposures exceeding 10 CFR 20 guidelines.

IF exposures may exceed 10 CFR 20 Standards:

CONTACT the HPL.

6.2 ADMINISTRATIVE LIMITS (UE, A, SE, GE)

IF exposures may exceed normal administrative limits:

ENSURE Response Team Members are listed on the Emergency Exposure Authorization List

6.3 RECORDS (UE, A, SE, GE)

ENSURE records of exposure are maintained.

6.4 RESPONSE FACILITIES

WHEN dose rates in response facilities exceed 2.5 mRem/hr:

ISSUE at least one dosimeter to an individual in the CR, TSC and OSC.

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE)

7.1 COMMUNICATIONS (UE, A, SE, GE)

7.1.1 IVORY PHONE (UE, A, SE, GE)

USE the Ivory Phone for Information Flow only.

7.1.2 RADIO CONTACT (UE, A, SE, GE)

MAINTAIN radio contact with response teams.

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

7.2 RESPONSE TEAMS (UE, A, SE, GE)

7.2.1 TEAM LEADERS (UE, A, SE, GE)

WHEN requested by the Emergency Group Leader

ASSIGN a HP Technician to accompany Response Teams (chemistry sampling, damage assessment, repair, firefighting, emergency medical treatment and rescue).

7.2.2 NUMBER OF MEMBERS (UE, A, SE, GE)

LIMIT the number of members of a response team to the minimum required for safe and efficient performance.

7.2.3 VISUAL/VOICE CONTACT (UE, A, SE, GE)

ENSURE members of the Response Team remain in visual or voice contact with one another at all times.

7.2.4 LIFE LINES (UE, A, SE, GE)

ENSURE life lines are used in areas containing heavy smoke or where visual contact cannot be maintained.

7.2.5 CHECKLIST (UE, A, SE, GE)

PREPARE, in conjunction with the Emergency Group Leader, a Response Team Checklist (Attachment 6) indicating:

Necessary supplies
Job location
Route
Communication methods
Radiation levels expected
Other environmental or safety hazards.

BRIEF the Team Leader on the information provided by the checklist.

NOTE: If Noble Gas Immersion Doses are required, internal contamination of the CP6 and RO2 may give unusually high readings. The RO7 is less susceptible to internal contamination and therefore should provide more accurate readings.

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

7.2.6 GUIDELINES (UE, A, SE, GE)

PROVIDE the Team Leader with Attachment 3, Team Leader Guidelines, which provides general guidance for Team Leaders while working in the field.

7.2.7 TEAM PROGRESS UE, A, SE, GE)

FOLLOW team progress on a map or plot plan.

7.2.8 NOTIFICATION (UE, A, SE, GE)

REQUEST the Emergency Group Leader to notify the Operations Leader of any response teams being dispatched into the Plant.

ENSURE all radiological data is recorded and reported to the HPL.

INFORM the Emergency Group Leader when monitoring teams are dispatched and of their progress.

7.3 MONITORING THE EMERGENCY RESPONSE FACILITIES (ERF's) (UE, A, SE, GE)

7.3.1 REGULAR SURVEYS (UE, A, SE, GE)

ENSURE the OSC, TSC and Control Room are regularly surveyed for contamination, airborne radioactivity and radiation.

7.3.2 RELEASE OF RAM (UE, A, SE, GE)

IF a release of radioactive material has occurred:

MONITOR the emergency Response Facilities as follows:

RADIATION: continuously

CONTAMINATION: every 1/2 hour or as requested by the HPL and Personnel frisks prior to entering the control building.

AIRBORNE: every 1/2 hour or as requested by the HPL.

7.3.3 ALERT, SITE EMERGENCY, GENERAL EMERGENCY (A, SE, GE)

ENSURE the TSC air envelope is continuously monitored for airborne radioiodine, using installed systems or portable alarming iodine monitors (PING).

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

7.3.3 ALERT, SITE EMERGENCY, GENERAL EMERGENCY (A, SE, GE) (Continued)

IF the installed systems are inoperable then;

ASSIGN a technician to monitor the CAM in the TSC.

WHEN a CAM alarms in the TSC dispatch a technician to check it and take a backup air sample if necessary.

NOTIFY the HPL OF THE CAM alarm in the TSC.

IF A CAM fails, provide backup monitoring and notify the I&C group.

ENSURE a frisker is placed in the TSC and OSC with the alarm set to provide occupants with early warning of radiological problems.

7.4 COUNTING ROOM COORDINATION (UE, A, SE, GE)

7.4.1 SAMPLE STORAGE (UE, A, SE, GE)

ENSURE all samples are stored in the count room until the volume of samples or radiological considerations will not allow it.

7.4.2 ADDITIONAL STORAGE (UE, A, SE, GE)

Unit 1
STORE additional samples in the breezeway between the sphere and the concrete shield.

Units 2/3
STORE additional samples in rad waste.

7.4.3 SAMPLE LOG (UE, A, SE, GE)

ENSURE a record of all samples is maintained by the count room technician.

7.4.4 IDENTIFICATION (UE, A, SE, GE)

MARK Each sample clearly for later identification.

7.5 CONTAMINATED INJURY (UE, A, SE, GE)

7.5.1 ASSIGN TECHNICIAN

ASSIGN a technician to accompany the Emergency Services Officers to the location of the accident.

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

7.5 CONTAMINATED INJURY (UE, A, SE, GE) (Continued)

7.5.2 CONTAMINATION CONTROLS
ENSURE proper HP Controls are maintained where possible.

7.5.3 DECONTAMINATION (UE, A, SE, GE)

WHEN possible:

ENSURE the victim is decontaminated according to HP Procedure SO123-V11-4.4, "PERSONNEL DECONTAMINATION".

7.5.4 OFFSITE TRANSPORT (UE, A, SE, GE)

IF offsite transport is required.

ENSURE a technician accompanies a contaminated victim

7.5.5 DOSIMETRY (UE, A, SE, GE)

ENSURE the victim, ESOs and technicians retain dosimetry until decontamination has been effected.

7.6 FIRE (UE, A, SE, GE)

IF a fire occurs in the Protected Area:

DISPATCH a technician to the location to perform necessary surveys and control contamination.

8.0 EOF COORDINATION: NO SUPPORT REQUIRED

9.0 UNAFFECTED PLANT (UE, A, SE, GE)

9.1 UNUSUAL EVENT - NO SUPPORT REQUIRED

9.2 ALERT, SITE OR GENERAL EMERGENCY (A, SE, GE)

REPORT to the unaffected plant OSC upon notification of an ALERT or higher event.

NOTIFY the HP Leader of the affected plant of the activation of the unaffected plant OSC.

9.0 UNAFFECTED PLANT (UE, A, SE, GE)

9.2 ALERT, SITE OR GENERAL EMERGENCY (A, SE, GE) (Continued)

PERFORM the duties of HP Foreman as described in this procedure or as requested by the HP Leader.

IMPLEMENT step 1.4 (Accountability) of this procedure

WITHIN 15 minutes of the P.A. announcement for Plant or Site evacuation:

PROVIDE one copy of the Personnel Accountability Form to the UNAFFECTED PLANT Security Leader.

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PERSONNEL ACCOUNTABILITY FORM

PRINTED NAME (LAST, FIRST, MIDDLE INITIAL)	BADGE #	SLOT #	LOCATION (OSC/TSC/CR)	RESPIRATOR QUALIFIED (YES/NO)

INSTRUCTIONS: THIS FORM TO BE SUBMITTED DIRECTLY TO THE SECURITY LEADER WITHIN

FIFTEEN (15) MINUTES

OF THE FIRST PUBLIC ADDRESS ANNOUNCEMENT FOR A PLANT/SITE EVACUATION.

EVACUATION HAZARDS

A. RESPONSIBILITY: ALL EMERGENCY RESPONSE PERSONNEL

B. OBJECTIVE: Provide indications of potential and actual hazards by which to determine the need for an evacuation.

ARMS

Hi alarm(s) on an Area Radiation Monitoring System (ARMS) alarm, or:

AIRBORNE MONITORS

A building or containment ventilation monitor(s) indicates airborne activity in excess of 10MPC, or:

CAMS

Alarm on portable radiation monitors and/or continuous air monitors (CAMS), or:

SPILLS

Localized spills of radioactive material with sufficient magnitude to result in personnel exposure, or:

FIRE

Fire in any occupied area, or:

GASES

Toxic or flammable gases or heavy smoke observed or reported in any area, or:

CHEMICALS

Chemical hazards to personnel in any area, or:

HIGH PRESSURE LEAKS

High Pressure steam or water leaks.

ADVERSE WEATHER

Adverse weather conditions, such as floods, hurricanes, or tornadoes are expected to occur. In the case of adverse weather, advance weather warnings will normally provide adequate time for an orderly dismissal of Plant personnel, without the need for evacuation.

TEAM LEADER GUIDELINES

1. CHECK EXPOSURES regularly.

2. REQUEST RELIEF if exposure approaches an administrative limit.

3. COMMUNICATIONS

   Maintain communications with the OSC.

   Maintain visual/voice contact with all members of the response team.

   If visual contact cannot be maintained (as in areas of heavy smoke), life lines shall be used.

4. RADIO COMMUNICATIONS
   Use channel 1.

   4.1 Give name of receiving party first, followed by your Team name or number.

   EXAMPLE: "OPERATIONS SUPPORT CENTER, THIS IS RESPONSE TEAM TWO".

   4.2 Wait for receiving party to answer, or repeat until acknowledged.

   4.3 Keep communication brief and accurate.

   4.4 Avoid abbreviations like mR/hr or OSC.

   EXAMPLE: "THE READING IS ZERO POINT 5 MILLIREM PER HOUR"

   4.5 Whenever possible use predesignated location numbers or map coordinates. If such designators are not available, give accurate description of location.

   4.6 RADIOLOGICAL REPORTS - Report the following data as applicable:

   4.6.1 Response Team Number

   4.6.2 Location and time of survey

   4.6.3 Air sample time on and off

   4.6.4 Total volume of air (emergency volume-use 10 ft^3)

   4.6.5 Background count rate (CPM)

   4.6.6 Gross count rate for particulate filter

   4.6.7 Gross count rate for iodine cartridge

   4.6.8 General area radiation levels

4. RADIO COMMUNICATIONS (Continued)

4.6.9 Instrument type and model

4.6.10 Surface contamination (if applicable).

4.7 Ask the OSC communicator to repeat important data.

4.8 End communications as follows:

4.8.1 If a reply is expected, use "OVER".

4.8.2 If no reply is needed, give the team name and "CLEAR".

4.9 Keep the radio ON at all times while in the field.

4.10 Allow Maintenance, Operations, Medical or other specialized technical personnel to use the radio to communicate directly with the OSC as required.

5. RADIOLOGICAL SURVEYS

5.1 All radiological surveys (radiation, contamination, airborne, alpha and neutron) will be conducted in accordance with established Health Physics Procedures unless otherwise directed by the HP Foreman.

5.2 Operate survey instruments in accordance with Instrument Operating Procedures.

5.3 If a survey meter malfunctions or "Pegs", leave the area immediately.

5.3.1 Replace the instrument.

5.3.2 Tag the malfunctioning instrument.

5.3.3 If the instrument pegged, it may be necessary to obtain a high range meter to continue the survey.

5.3.4 If noble gas immersion dose rates are taken, an RO7 should be used.

5.4 Monitor radiation levels continually while enroute to the assigned location.

5.4.1 If exposure rates are significantly higher than expected, notify the HPF.

5.5 Ensure team members observe, to the extent possible, the ALARA principles of TIME, DISTANCE and SHIELDING.

5.6 Document all survey data (if practicable).

5.6.1 Enter date, time, instrument serial number(s), and surveyor's name on all survey records.

5. RADIOLOGICAL SURVEYS (Continued)

5.6.2 Record data on standard survey maps, sample data tags and cover sheets.

6. OFFSITE RESPONSE

6.1 Retain dosimetry when leaving the protected area.

6.2 Obtain a vehicle.

6.2.1 Obtain an SCE vehicle. If the Emergency Monitoring vehicle is not available, request a Maintenance vehicle from the Emergency Group leader or a motor pool vehicle from the Administrative leader.

6.2.2 If an SCE vehicle is not available, use a private vehicle.

6.2.3 Ensure the fuel tank is at least half full.

6.3 Keep windows rolled up enroute.

6.4 Check exposure rates regularly and record readings.

6.5 If any unusual readings (0.5 mR/hr or higher) are noted, IMMEDIATELY NOTIFY THE HP FOREMAN.

7. CONTAMINATION CONTROLS

7.1 Unconditional Release Limits

7.1.1 Tools and Equipment
LOOSE SURFACE

<1000 dpm/100cm² beta-gamma
<20 dpm/100cm² alpha
TOTAL (loose plus fixed)
<5000 dpm/100cm² (75 cpm/probe surface) beta-gamma
<100 dpm/100cm² alpha

7.1.2 PERSONNEL
TOTAL

<5000 dpm/100cm² (75 cpm/probe surface)
no detectable alpha

7.2 If possible, survey personnel exiting contaminated areas at normal control points or step-off pads.

7.3 If background dose rates preclude adequate monitoring, move to a more suitable location. All items should be surveyed for gross contamination before movement.

7. CONTAMINATION CONTROLS (Continued)

7.4 If exposure rates (or other life threatening hazards) warrant immediate evacuation, personnel monitoring shall not be required.

7.4.1 Inform the Health Physics foreman of the move as soon as possible.

7.4.2 Institute personnel monitoring at the new assembly area.

7.5 CONTAMINATED CLOTHING

7.5.1 Remove contaminated clothing and resurvey the individual.

7.5.2 Set clothing aside for later decontamination or disposal.

8. CONTAMINATED PERSONNEL

8.1 Initiate Decontamination Procedures (if practical) according to HP Procedure SO123-VII-4.4, "PERSONNEL DECONTAMINATION".

8.2 Decontamination should take place in the normal decon facilities (Elev. 70, Units 2/3; Door 16, Unit 1)

8.2.1 If normal facilities cannot be used, move contaminated personnel to the EOF for Decon. Ensure there is no additional spread of contamination during the move.

OR

Prepare a temporary decon facility with plastic or other device to catch contaminated water.

8.3 Record Personnel contamination on Attachment 4, Personnel Contamination Record.

9. CONTAMINATED VEHICLES

9.1 Identify contaminated vehicles with a "CONTAMINATED MATERIALS" sticker.

9.2 Record contaminated vehcles on Attachment 5, "VEHICLE SURVEY RECORD".

9.3 Notify the HP Foreman of any contaminated vehicles.

9.4 Rope and post contaminated areas of the parking lot as time permits.

10. CONTAMINATED INJURY

10.1 Upon discovery of any injury, notify the Emergency Services Officer at 56911.

10.2 Accompany Emergency Services personnel while they perform their duties.

10. CONTAMINATED INJURY (Continued)

10.3 Maintain normal contamination controls unless the safety of the victim is impaired.

10.4 If time permits, decontaminate the individual according to the HP procedure SO123-VII-4.4, "PERSONNEL DECONTAMINATION."

10.5 If offsite transport is required, accompany a contaminated victim to the hospital and set up contamination controls.

10.6 Ensure the Victim, ESOs and HPs retain dosimetry until decontamination has been affected.

10.7 As time permits, complete SO123-26, "PERSONNEL DECONTAMINATION/INJURY RECORD."

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PERSONNEL CONTAMINATION RECORD

Date/Time _____

Name	Social Security #	Contamination (CPM)	Body Area	Known Dose	Deconned Cleaned Yes/No

RESPONSE TEAM CHECKLIST (HPL/EGL)

JOB/ACTIVITY _____

Required (HPF/EGL)	Obtained (Team Leader)	Operational Check	
_____	_____	_____ ok	Radio
_____	_____	_____ ok	Survey Instrument(s) _____
_____	_____	_____ zeroed	Dosimetry _____
_____	_____		Protective Clothing
_____	_____	_____ ok	Respiratory Protection
_____	_____		Security Keys/Guard
_____	_____		First Aid Kit
_____	_____	_____ ok	Flashlight
_____	_____		Tools _____
_____	_____		Necessary Documents (survey maps, P&ID's, procedures)
_____	_____		Pens/Pencils
_____	_____		Emergency Response Kit/Suitcase

OTHER HP SUPPLIES

_____	_____	Smears	_____	_____	Rad Rope
_____	_____	Frisker	_____	_____	Signs
_____	_____	Air Sampler	_____	_____	Other _____
_____	_____	Particulate filters			_____
_____	_____	Iodine cartridge			

ADDITIONAL INSTRUCTIONS

Location _____

Route _____

Alternate communications (if applicable) _____

Radiation Levels Expected _____

Other _____

VEHICLE SURVEY RECORD

Document the License number of vehicles needing decontamination. Tag contaminated vehicles with "Contaminated Material" sticker on windshield.

NAME/LICENSE #	CONTAMINATION LEVEL (DPM) Loose	Fixed	NAME/LICENSE #	CONTAMINATION LEVEL (DPM) Loose	Fixed

TECHNICAL LEADER DUTIES

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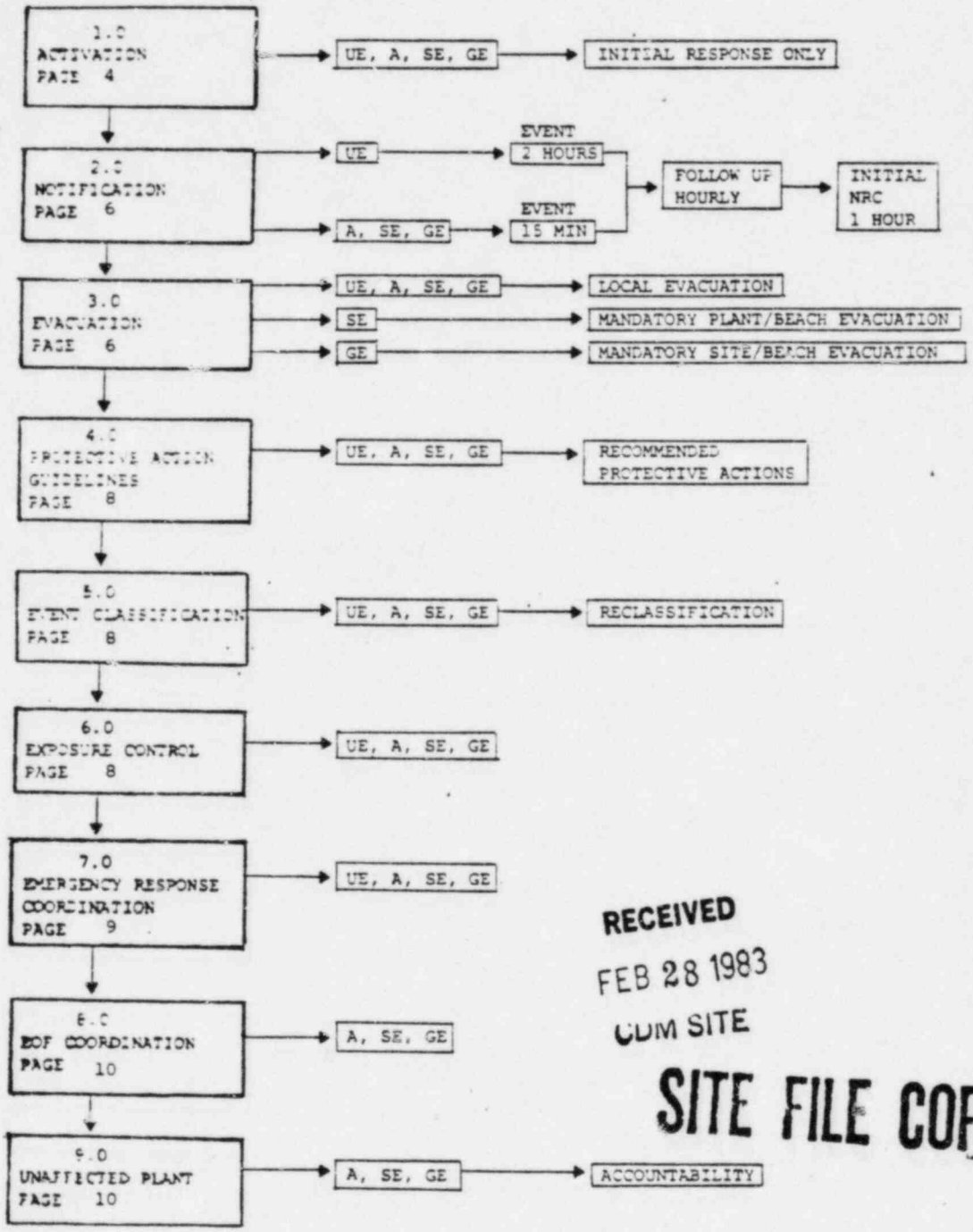

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PREPARED BY: D D Bennett — PROCEDURE WRITER — 2-23-83 DATE

APPROVED BY: W C Moody — W. C. MOODY, DEPUTY STATION MANAGER — 2/24/83 DATE

TECHNICAL LEADER'S DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBLITY

1. ONSHIFT: SHIFT TECHNICAL ADVISOR

2. EMERGENCY RECALL: STATION TECHNICAL MANAGER

3. UNAFFECTED PLANT: SHIFT TECHNICAL ADVISOR/CHEMISTRY FOREMAN

B. OBJECTIVES

1. Provide guidance to the Technical Leader regarding his duties during an Emergency Event.

C. PRECAUTIONS

1. EMERGENCY COORDINATOR RESPONSIBILITIES

Ensure that Emergency Coordinator authorization is obtained for the following:

a. EMERGENCY EVENT DECLARATION

b. PRECAUTIONARY PLANT OR SITE EVACUATION

c. OFFSITE PROTECTIVE ACTION RECOMMENDATIONS

d. EXCEEDING 10 CFR 20 EXPOSURE LIMITS

2. EVENT RECLASSIFICATION

a. PROCEDURE REVIEW

FOLLOWING each reclassification:

REVIEW sections 2.0-9.0 of this EPIP

CHECK OFF the Emergency Action Level (EAL) at which each step was implemented as follows:

PLACE an "X" through EAL Code following each step in parenthesis

(UE) - Unusual Event (A) - Alert

(SE) - Site Emergency (GE) - General Emergency

REVIEW sections 2.0-9.0 of this EPIP as frequently as possible during each EAL to ensure applicable actions are implemented.

D. ATTACHMENTS

1. Chemistry Coordinator Duties
2. Personnel Accountability Form
3. Evacuation Hazards

1.0 ACTIVATION (UE,A,SE,GE) (INITIAL RESPONSE ONLY)

1.1 EMERGENCY DUTY STATION (UE, A, SE, GE)

SHIFT TECHNICAL ADVISOR

REPORT to Control Room

OBTAIN STA Emergency Notebook

ENSURE Chemistry Foreman has activated Attachment 1 of this procedure.

1.2 RECORDKEEPING (UE, A, SE, GE)

WHEN emergency conditions allow:

ENSURE that a log is initiated and maintained;

RECORD the name of the Technical Leader;

DOCUMENT all actions required:

To mitigate Emergency Conditions

By EPIPs (VIII series)

1.3 EQUIPMENT TESTING (UE, A, SE, GE)

1.3.1 TELECOMMUNICATIONS (UE, A, SE, GE)

.1 IVORY PHONE (UE, A, SE, GE)

ASSIGN an individual to:

OBTAIN headsets from the Emergency Equipment Kit. (See the Emergency Equipment Inventory List [EEIL] for location.)

MAN the Ivory Phone continuously. (See the Emergency Response Telephone Directory (ERTD Tab B for operating instructions).

MAINTAIN status boards.

CONTACT the Affected Unit Control Room/Technical Support Center (ERTD, Tab B)

REPORT that the Shift Technical Advisor/Technical Leader (STA/TL)is standing by to offer assistance.

1.0 ACTIVATION (UE, A, SE, GE) (INITIAL RESPONSE ONLY) (Continued)

1.3.1.2 PAX/BELL PHONES (UE, A, SE, GE)

TEST all Pax/Bell phones assigned to the TL by contacting an individual listed in the ERTD Tab C.

.3 REPAIR SERVICE (UE, A, SE, GE)

REPORT equipment malfunction to the Telecommunications Test Board (see ERTD Tab M).

1.3.2 COMPUTER EQUIPMENT (UE, A, SE, GE)

.1 SAFETY PARAMETER DISPLAY SYSTEM (SPDS) (UE, A, SE, GE)

Unit 1: FOX 3

Units 2 & 3: CFMs

ASSIGN an individual to monitor safety parameters.

TEST all SPDS equipment for operability.

.2 REPAIR SERVICE (UE, A, SE, GE)

CONTACT the Onshift Technician for any problem (see ERTD Tab D).

1.4 ACCOUNTABILITY (A, SE, GE)

ASSIGN an individual to ensure that all Technical personnel assigned to the TSC have filled in the Personnel Accountability Form (Attachment 2).

NOTE: The Control Room STA will ensure his name is recorded on the Personnel Accountability Form which the Operation Leader is maintaining for the Control Room.

ENSURE that the Personnel Accountability Form is kept current as personnel changes occur.

1.5 TURNOVER PROCESS (UE, A, SE, GE)

WHEN the Technical Leader arrives at the TSC, the STA will:

BRIEF the TL via The Ivory Phone regarding:

Plant Status and Prognosis

Status of corrective actions underway or completed

Radiological conditions affecting the Plant/Site

2.0 NOTIFICATION (UE, A, SE, GE)

2.1 COORDINATION (UE, A, SE, GE)

WHEN requested by the Shift Communicator:

PROVIDE Technical information for Notification forms

PROVIDE this information within the time requirements of section 2.2 below

2.2 TIME REQUIREMENTS (UE, A, SE, GE)

ENSURE that required technical information is provided to the Shift Communicator such that notification can be initiated as follows:

EVENT NOTIFICATION
UE- Within 2 hours of Event declaration
A, SE, GE - Within 15 minutes of Event declaration

FOLLOW-UP NOTIFICATION (UE, A, SE, GE)
Every hour during transient plant conditions

NRC NOTIFICATION (UE, A, SE, GE)
Within one hour of Event declaration and as requested.

3.0 EVACUATION (UE, A, SE, GE)

3.1 LOCAL EVACUATION (UE, A, SE, GE)

IF Conditions indicate that Technical related hazards exist (see Attachment 1), or a potential for these hazards exists, which will endanger personnel safety in a local area:

CONTACT the Operations Leader and request the implementation of a Local Evacuation

REPORT the hazard to the Emergency Coodinator

IF the local area is the TSC:

ENSURE personnel evacuate to the alternate TSC as follows:

Unit(s)	Alternate Location
1	Units 2 & 3 TSC
2 & 3	Unit 1 TSC

IF Emergency Conditions in the TSC allow an orderly evacuation:

DIRECT Emergency Response Personnel to remove Unit related documents to the alternate location

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.2 PRECAUTIONARY EVACUATION (UE, A, SE)

IF conditions indicate that technical related hazards exist (see Attachment 1), or a potential for hazards exists, which endanger personnel safety in:

Major portions of the Protected Area

Major portions of the Owner Controlled Area

State Beaches

RECOMMEND that the Emergency Coordinator order, respectively, a precautionary:

Plant Evacuation (proceed to 3.3)

Site Evacuation (proceed to 3.3)

Beach Evacuation

3.3 PLANT OR SITE EVACUATION (A, SE, GE)

NOTE: Definitions:

PLANT EVACUATION - MANDATORY AT SITE EMERGENCY.

Evacuation of non-essential personnel from the three unit protected area.

SITE EVACUATION - MANDATORY AT GENERAL EMERGENCY.
Evacuation of non-essential personnel from the owner controlled area and the Mesa.

3.3.1 ACCOUNTABILITY (UE, A, SE, GE)

WITHIN 15 minutes of the P.A. announcement for Plant or Site Evacuation:

PROVIDE a Personnel Accountability Form for the Technical Group to the Administrative Leader.

ENSURE Chemistry Supervisor has forwarded the Personnel Accountability Form from the Chemistry Section to the Technical Leader.

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.4 RE-ENTRY (UE, A, SE, GE)

IF the hazard initiating the evacuation was technical in nature and has been stopped or reduced to a level which will allow personnel entry:

PROVIDE advice to the Emergency Coordinator concerning these hazards.

4.0 PROTECTIVE ACTION GUIDELINES (A, SE, GE)

WHEN requested by the Health Physics Leader:

PROVIDE data regarding Technical Status (i.e., HVAC status, containment leak rate, etc.).

5.0 EVENT CLASSIFICATION (UE, A, SE, GE)

5.1 EMERGENCY ACTION LEVELS (UE, A, SE, GE)

COMPARE emergency conditions continuously and make recommendations for reclassification to the Emergency Advisor per TABS A, B, C, D and E of EPIP:

SO1(23)-VIII-1 "RECOGNITION AND CLASSIFICATION OF EMERGENCIES"

CAUTION ENSURE the proper Unit (SO1 or SO23) EPIP is
======= used.

5.2 RECLASSIFICATION (UE, A, SE, GE)

IF the existing Emergency Action Level (EAL) is changed:

ENSURE all personnel of the Technical Group are aware of the reclassification.

REVIEW Sections 2.0 - 9.0 of this procedure .

5.3 EVENT CLOSE-OUT (UE, A, SE, GE)

WHEN emergency conditions have been corrected or are stable:

INFORM the Emergency Advisor if the Reactor Core is in the mode required by Technical Specifications, and if not, how long it will take to get there.

6.0 EXPOSURE CONTROL (UE, A, SE, GE)

6.1 RESPIRATORY QUALIFICATIONS (UE, A, SE, GE)

IF the potential for severe airborne radiological hazards exist:

ENSURE all Technical Group personnel are maintaining exposure levels ALARA.

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE)

7.1 EMERGENCY EQUIPMENT (UE, A, SE, GE)

ENSURE that the SPDS (Fox 3, Unit 1 and CFMS Units 2/3) is operational.

UTILIZE the SPDS for obtaining information regarding plant status.

IF SPDS is not operational, or verification of parameters is required:

UTILIZE Ivory Phone and obtain information from Control Room.

7.2 EMERGENCY RECALL (UE, A, SE, GE)

7.2.1 UNUSUAL EVENT (UE)

IF emergency conditions dictate the need for additional Technical personnel:

DIRECT the Shift Communicator to activate desired portions of the Station Emergency Recall List.

IF reclassification of the Emergency Action Level to a higher level is imminent:

RECOMMEND that the Emergency Coordinator direct the Shift Communicator to activate the Emergency Recall List.

7.2.2 ALERT, SITE AND GENERAL EMERGENCIES (A, SE, GE)

IF emergency conditions dictate the need for additional Emergency Preparedness personnel:

DIRECT the Shift Communicator to contact the desired personnel.

7.3 RECORDS (UE, A, SE, GE)

7.3.1 LOGS (UE, A, SE, GE)

ENSURE that the Technical Group is maintaining a log, as per section 1.2 of this EPIP.

7.4 TURNOVER (UE,A, SE, GE)

IF another turnover must be conducted after the initial one:

REVIEW and implement Section 1.5 of this EPIP.

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

7.5 ENVIRONMENTAL MONITORING

FOLLOWING the termination of a radioactive release,

DETERMINE the need for environmental monitoring.

IF necessary:

DISPATCH environmental monitoring teams to assess contamination of:

soil
drinking water
food crops
marine environment

8.0 EOF COORDINATION (A, SE, GE)

8.1 ACTIVATION AND OPERATION (A, SE, GE)

8.1.2 ACTIVATION - VENDOR EMERGENCY ORGANIZATIONS

IF vendor (Westinghouse, C.E., Bechtel, etc.) support is required:

REQUEST that the Manager of Nuclear Operations (or his designee in the TSC) contact the EOF and have them activate the requested organization.

8.2 RECOVERY ORGANIZATION

WHEN requested by the Emergency Coordinator:

PROVIDE a list of any parts and equipment which, due to accident damage, would prevent Plant operations from being resumed with the normal Station Organization.

AND

PROVIDE a list of recommendations for additional Technical manpower and equipment necessary for a Recovery Organization.

9.0 UNAFFECTED PLANT (UE, A, SE, GE)

9.1 ALERT, SITE OR GENERAL EMERGENCIES - STA

IMPLEMENT step 1.4 (Accountability) of this procedure.

WITHIN 15 minutes of the P.A. announcement for Plant or Site Evacuation:

PROVIDE one copy of the Personnel Accountability Form to the Unaffected Plant Security Leader.

CHEMISTRY COORDINATOR DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: CHEMISTRY FOREMAN

2. EMERGENCY RECALL: SUPERVISOR OF PLANT CHEMISTRY

B. OBJECTIVES

1. Provide guidelines to the Chemistry Leader for directing Emergency Response Activities.

C. PRECAUTIONS

1. Maintain Communications with the Operations Leader to provide immediate Chemistry information, and receive direction for sampling.

2. Ensure that Chemistry technicians observe proper Health Physics practices while performing sampling and analysis.

1.0 ACTIVATION (UE, A, SE, GE)

1.1 ONSHIFT CHEMISTRY FOREMAN

ASSUME duties of Chemistry Coordinator

CONTACT Shift Technical Advisor and notify him that the Chemistry Coordinator is standing by to assist.

1.2 LOG

ENSURE that a log of Emergency Chemistry Samples contains:

Sample Number
Date/Time Sample Taken
Time of Analysis
Description/Location of Sample
Results
Storage Location

1.3 ACCOUNTABILITY

ENSURE all Chemistry personnel complete accountability forms

KEEP accountability forms current

TURN accountability forms over to the Technical Leader when requested

1.4 RELIEF PROCESS

UPON arrival of the Supervisor of Plant Chemistry or alternate:

REVIEW Chemistry Activities with the Acting Chemistry Coordinator.

REPORT relief to the Technical Leader.

2.0 EVACUATION (UE, A, SE, GE)

IF conditions exist that are reflected in Attachment 3 of this procedure:

EVACUATE the lab or any local areas that are effected

CONTACT the Control Room and notify them of the local evacuation

3.0 EXPOSURE CONTROL (UE, A, SE, GE)

3.1 LAB SURVEYS

REQUEST the Health Physics Foreman to assign a Health Physics Technician to monitor the Chemistry Lab(s) on a regular basis.

3.2 DOSIMETRY

ENSURE all Chemistry Technicians have proper dosimetry as instructed by the HP Foreman.

3.3 RADIOLOGICAL MONITORING

REQUEST the HP Foreman provide a technician to accompany any Chemistry personnel going into radiation areas of the Plant.

4.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE)

4.1 COMMUNICATION

4.1.1 SAMPLE REQUIREMENTS

MAINTAIN Communication with the Operations Leader to obtain sampling requirements.

4.1.2 SAMPLE RESULTS

KEEP the Operations Leader and Technical Leader apprised of sample results.

4.2 SAMPLING

4.2.1 RESPONSE TEAMS

REQUEST the Emergency Group Leader to assemble a response team for chemistry sampling containing, at a minimum, an HP Technician and a Chem Technician.

4.2.2 CHECKLIST

PREPARE, in conjunction with the HP Foreman, a Response Team Checklist indicating sample(s) required, location and equipment needed.

4.2.3 PASS SAMPLES

ENSURE PASS samples are taken according to PASS sampling procedures.

4.2.4 RADIOIODINE SAMPLING

ENSURE proper sampling for radioiodines is conducted according to applicable Chemistry or Emergency procedures.

4.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

4.3 ANALYSIS

4.3.1 ENSURE analysis is performed according to Chemistry procedures.

4.4 STORAGE

4.4.1 ENSURE all samples are stored in the count room until the volume of samples or radiological considerations will not allow it.

4.4.2 ADDITIONAL STORAGE

UNIT 1

STORE additional samples in the breezeway between the sphere and the concrete shield.

UNIT 2/3

STORE additional samples in rad waste.

4.4.3 MARKING

MARK each sample for later identification.

4.5 SHIPMENT OF SAMPLES

MOVE or ship samples according to applicable Health Physics procedures.

PERSONNEL ACCOUNTABILITY FORM

PRINTED NAME (LAST, FIRST, MIDDLE INITIAL)	BADGE #	SLOT #	LOCATION (OSC/TSC/CR)	RESPIRATOR QUALIFIED (YES/NO)

INSTRUCTIONS: THIS FORM TO BE SUBMITTED DIRECTLY TO THE SECURITY LEADER WITHIN

FIFTEEN (15) MINUTES

OF THE FIRST PUBLIC ADDRESS ANNOUNCEMENT FOR A PLANT/SITE EVACUATION.

EVACUATION HAZARDS

A. RESPONSIBILITY: ALL EMERGENCY RESPONSE PERSONNEL

B. OBJECTIVE: Provide indications of potential and actual hazards by which to determine the need for an evacuation.

ARMS

Hi alarm(s) on an Area Radiation Monitoring System (ARMS) alarm, or:

AIRBORNE MONITORS

A building or containment ventilation monitor(s) indicates airborne activity in excess of 10MPC, or;

CAMS

Alarm on portable radiation monitors and/or continuous air monitors (CAMS), or;

SPILLS

Localized spills of radioactive material with sufficient magnitude to result in personnel exposure, or;

FIRE

Fire in any occupied area, or;

GASES

Toxic or flammable gases or heavy smoke observed or reported in any area, or;

CHEMICALS

Chemical hazards to personnel in any area, or;

HIGH PRESSURE LEAKS

High Pressure steam or water leaks.

ADVERSE WEATHER

Adverse weather conditions, such as floods, hurricanes, or tornadoes are expected to occur. In the case of adverse weather, advance weather warnings will normally provide adequate time for an orderly dismissal of Plant personnel, without the need for evacuation.

SECURITY LEADER DUTIES

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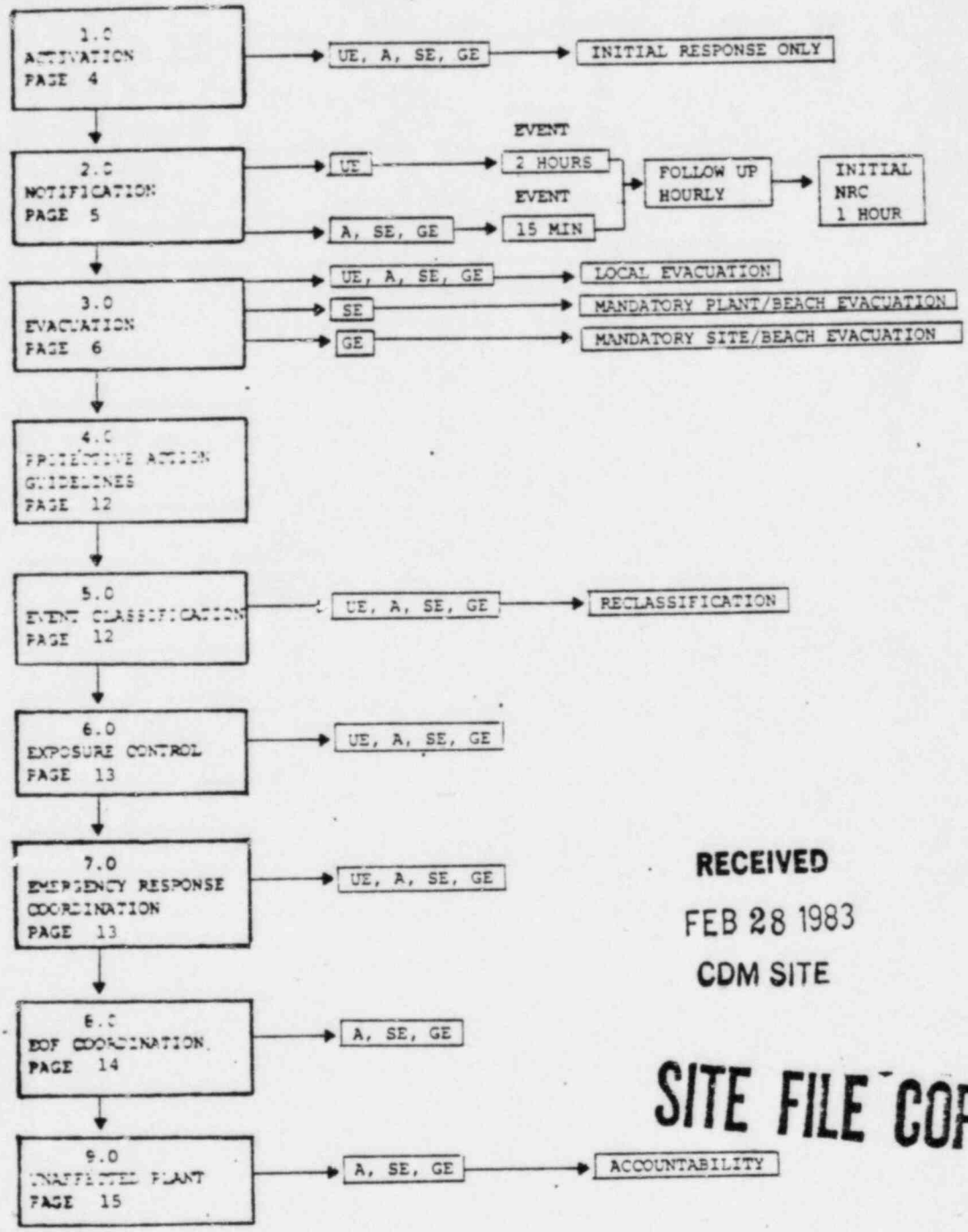

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PREPARED BY: John C. Ford 2-23-83
Procedure Writer Date

APPROVED BY: W.C. Moody 2/24/83
W.C. MOODY Date
DEPUTY STATION MANAGER

SECURITY LEADER DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBLITY

1. ONSHIFT: SHIFT COMMANDER

2. EMERGENCY RECALL: STATION SECURITY MANAGER OR ALTERNATE

3. UNAFFECTED PLANT: SECURITY REPRESENTATIVE

B. OBJECTIVES

1. Provide guidance to the Security Leader regarding his duties during an Emergency Event.

C. PRECAUTIONS

1. EMERGENCY COORDINATOR RESPONSIBILITIES

Obtain Emergency Coordinator authorization for the following:

a. EMERGENCY EVENT DECLARATION

b. PRECAUTIONARY PLANT OR SITE EVACUATION

2. EVENT RECLASSIFICATION

a. PROCEDURE REVIEW

FOLLOWING each reclassification:

REVIEW section 2.0-9.0 of this EPIP

CHECK-OFF the Emergency Action Level (EAL) at which each step was implemented as follows:

PLACE an "X" through EAL Code in parenthesis

(UE) - Unusual Event
(A) - Alert
(SE) - Site Emergency
(GE) - General Emergency

REVIEW sections 2.0-9.0 of this EPIP as frequently as possible during each EAL to ensure applicable actions are implemented.

D. ATTACHMENTS

1. Personnel Accountability Form
2. Evacuation Hazards
3. Evacuation P.A. Announcements/Siren Coordination
4. Beach Evacuation
5. Instructions for Plant Assembly Area Coordinator(s)

1.0 ACTIVATION (UE,A,SE,GE) (INITIAL RESPONSE ONLY)

1.1 EMERGENCY DUTY STATION (UE, A, SE, GE)

REPORT to the TSC

OBTAIN the Security Leader notebook

IF an A, SE, or GE:

DIRECT the Unaffected Plant Security Representative to implement Section 9.0 of this EPIP

DISPATCH a Security Officer to the OSC with 10 sets of keys.

1.2 RECORD KEEPING (UE, A, SE, GE)

WHEN emergency conditions will allow:

ENSURE that a log is initiated and maintained

RECORD the name of the Security Leader

DOCUMENT all actions required:

To mitigate Emergency Conditions

By Security Emergency Procedures (IV-Series).

By EPIPs (VIII series)

1.3 EQUIPMENT TESTING (UE, A, SE, GE)

1.3.1 TELECOMMUNICATIONS EQUIPMENT

.1 IVORY PHONE (UE, A, SE, GE)

CONTACT the Affected Unit Control Room (See Tab "B" Emergency Response Telephone Directory (ERTD))

REPORT that Security is standing by to offer assistance.

1.4 ACCOUNTABILITY (A, SE, GE)

COMPLETE the Personnel Accountability Form (Attachment 1) found in the Security Leader's Notebook

ENSURE that the Accountability Form is kept current as personnel changes occur

1.0 ACTIVATION (UE, A, SE, GE) (INITIAL RESPONSE ONLY) (Continued)

1.5 TURNOVER PROCESS (UE, A, SE, GE)

WHEN the Emergency Recall Security Leader arrives :

TURNOVER responsibility by reviewing the current status of the following:

Security Leader Log

Emergency Conditions/Corrective Actions

Equipment/Personnel Status

RECORD completion of the turnover in the Security Leader Log

REPORT completion of the turnover to the Emergency Planning Coordinator

2.0 NOTIFICATION (UE, A, SE, GE)

2.1 COORDINATION (UE, A, SE, GE)

WHEN requested by the Shift Communicator:

PROVIDE Security information for pertinent notification forms

PROVIDE this information within the time requirements of Section 2.2 below

2.2 TIME REQUIREMENTS (UE, A, SE, GE)

ENSURE that required Security information is provided to the Shift Communicator such that notification can be initiated as follows:

EVENT NOTIFICATION
UE- Within 2 hours of Event declaration
A, SE, GE - Within 15 minutes of Event declaration

2.0 NOTIFICATION (UE, A, SE, GE) (Continued)

2.2 TIME REQUIREMENTS (UE, A, SE, GE) (Continued)

FOLLOW-UP NOTIFICATION (UE, A, SE, GE)
Every hour during transient plant conditions

NRC NOTIFICATION (UE, A, SE, GE)
Within one hour of Event declaration and as requested

3.0 EVACUATION (UE, A, SE, GE)

3.1 LOCAL EVACUATION (UE, A, SE, GE)

IF Conditions indicate that Security and/or other evacuation hazards exist as described in Attachment 2, which will endanger personnel safety in a local area:

CONSULT with the Emergency Coordinator to determine the necessity for a local evacuation

DIRECT the Shift Commander to dispatch Security Officer(s) to the scene.

IF the local area to be evacuated is the TSC:

ENSURE security personnel evacuate to the alternate TSC as follows:

Unit(s)	Alternate Location
1	Units 2 & 3 TSC
2 & 3	Unit 1 TSC

IF Emergency Conditions of the TSC allow for an orderly evacuation:

REMOVE unit related Security documentation to the alternate location

3.2 PRECAUTIONARY EVACUATION (UE, A, SE)

IF conditions indicate that Security hazards exist (see Attachment 2), or an imminent potential for hazards exists, which endanger personnel safety in:

Major portions of the Protected Area

Major portions of the Owner Controlled Area

State Beaches

3.0 EVACUATION (Continued)

3.2 PRECAUTIONARY EVACUATION (UE, A, SE) (Continued)

RECOMMEND that the Emergency Coordinator order, respectively, a precautionary:

Plant Evacuation (Proceed to 3.3)

Site Evacuation (Proceed to 3.3)

Beach Evacuation (Proceed to 3.5)

3.3 PLANT OR SITE EVACUATION (A, SE, GE)

NOTE: DEFINITIONS:

PLANT EVACUATION: MANDATORY AT SITE EMERGENCY. Evacuation of non-essential personnel from the Protected Areas of ALL three Units.

SITE EVACUATION: MANDATORY AT GENERAL EMERGENCY. Evacuation of non-essential personnel from the Owner Controlled Area and the Mesa.

3.3.1 REQUIRED ACTIONS

.1 COORDINATION

IF the Emergency Planning Coordinator (EPC) has not arrived in the TSC proceed as follows:

IMPLEMENT Attachment 3

IF the EPC has arrived in the TSC:

WHEN directed by the EPC:

ACTIVATE the Beach Evacuation Sirens per Attachment 4.

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.3.2 ACCOUNTABILITY (UE, A, SE, GE)

ENSURE that personnel accountability forms are received from the following personnel within 15 minutes of a Plant or Site Emergency/Evacuation announcement:

ADMINISTRATIVE LEADER
OPERATIONS LEADER
EMERGENCY GROUP LEADER

ENSURE the Personnel Accountability Report is made to the Emergency Coordinator within 30 minutes of the evacuation announcement.

NOTE: Personnel accountability applies only to personnel within the Protected Area(s) of Units 1, 2 and 3. In any PLANT EVACUATION, all Units are required to evacuate the Plant Protected Area(s).

3.3.3 MISSING PERSONNEL (UE, A, SE, GE)

IF personnel are unaccounted for:

DETERMINE the last known location from their supervisor.

REQUEST that the Emergency Planning Coordinator ensure implementation of SO123-XIII-30, "RESCUE".

3.4 EMERGENCY ACCESS CONTROL (UE, A, SE, GE)

3.4.1 NUCLEAR EMERGENCY RESPONSE TEAM ACCESS (UE, A, SE, GE)

ENSURE unimpeded access to the Plant/Site for Emergency Response Vehicles responding to the Emergency.

ENSURE unimpeded progress for all Nuclear Emergency Response Team (NERT) personnel responding to a declared emergency in all areas of the Plant(s)

3.0 EVACUATION (UE, A, SE, GE)(Continued)

3.4 EMERGENCY ACCESS CONTROL (UE, A, SE, GE) (Continued)

3.4.1 NUCLEAR EMERGENCY RESPONSE TEAM ACCESS (UE, A, SE, GE) (Continued)

ENSURE Security Officers on duty are aware that NERT personnel displaying a Yellow Placard in the windshield of personal vehicles and/or the NERT Yellow Photo-Identification Card have unimpeded access to enter the perimeter gates and the parking areas.

ENSURE that a Security Officer has been dispatched to the CSC with 10 sets of keys.

3.4.2 HEALTH PHYSICS PRACTICES (UE, A, SE, GE)

ENSURE coordination with Health Physics Leader to provide protective clothing and equipment for Security Officers on post as required.

ENSURE applicable Health Physics practices are followed during evacuation of personnel and/or vehicles.

WHEN a Precautionary Evacuation is directed:

DIRECT Security Officers at all egress points from restricted areas to ensure normal exit procedures are followed.

IF a Mandatory Evacuation is ordered:

DETERMINE from the Health Physics Leader if an immediate personnel hazard exists:

IF no immediate personnel exists:

DIRECT Security Officers at egress point from Restricted areas to ensure normal Health Physics exit procedures are followed.

IF an immediate personnel hazard does not exist:

DIRECT Security Officers at egress points from Restricted Areas to allow warning of normal Health Phyics exit procedures as necessary for personnel safety.

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.4 EMERGENCY ACCESS CONTROL (UE, A, SE, GE) (Continued)

3.4.3 PERSONNEL AND VEHICLE CONTROL (UE, A, SE, GE)

.1 TRAFFIC CONTROL POINTS

ENSURE Security Officer(s) are dispatched to selected traffic control points (TCPs) in accordance with Figure 7.3, SONGS-1 Emergency Plan, and SO123-IV-2.31, "SECURITY FORCE RESPONSE TO A DECLARED EMERGENCY".

ENSURE rover is dispatched to selected Assembly Area(s) at the Mesa with Assembly Area Coordinator(s), in radio controlled vehicle(s) when required.

NOTE: Rover to open selected gates along the North/South Evacuation Route(s).

.2 PLANT EVACUATION

DIRECT Assembly Area Coordinators to implement Attachment 5 in the following locations:

Owner Controlled Area:

Trailer/ Building #	Common Name
AWS	AWS Building
H-50	Payroll Trailer (Reservoir)
L-50	Bechtel Design (Parking Lot 3)
S-50	Offshore Pad
K-50	Office Building 2

Mesa

Trailer/ Building #	Common Name
E-50	EOF (Training and Education Center)
F-50	Mesa Training
G-50	Bechtel Mesa
W-50	Mesa Warehouse

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.4 EMERGENCY ACCESS CONTROL (UE, A, SE, GE) (Continued)

3.4.3 PERSONNEL AND VEHICLE CONTROL (UE, A, SE, GE) (Continued)

.3 SITE EVACUATION

IF a Site Evacuation has been ordered with being preceeded by a Plant Evacuation:

DIRECT Assembly Area Coodinators to report to the areas listed in 3.4.3.2 above.

DIRECT Assembly Area Coordinators to implement Attachment 5.

PROVIDE evacuation direction to all Assembly Area Coordinators.

ENSURE personnel access to contaminated parking area(s) is denied.

ENSURE established traffic controls such as lane direction are followed.

.4 CALIFORNIA HIGHWAY PATROL ASSISTANCE

PRIOR TO EOF ACTIVATION

DIRECT the Shift Communicator to make requests for traffic control assistance to the CHP on the IAT (yellow) phone (ERTD TAB G)

EOF FULLY ACTIVATED

REQUEST that the Manager of Nuclear Operations (or his TSC designee) coordinate traffic control assistance with the CHP.

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.4 EMERGENCY ACCESS CONTROL (UE, A, SE, GE) (Continued)

3.4.4 RADIOLOGICAL MONITORING (UE, A, SE, GE)

CONSULT with the Health Physics Leader to determine current radiological effects on assembly areas, parking lots, vehicles, and established evacuation routes.

PROVIDE the Shift Communicator with the pertinent information regarding Security involvement in issuing instructions to personnel regarding evacuation, contaminated areas, and/or evacuation routes.

3.5 BEACH EVACUATION (UE, A, SE, GE)

3.5.1 AUTHORIZATION AND ACTIVATION (UE, A, SE, GE)

IF a Site Emergency or a Beach Emergency is declared

OR

IF a Beach Evacuation is ordered by the Emergency Coordinator:

IMPLEMENT actions required by Attachments 3 and 4

3.6 RE-ENTRY (UE, A, SE, GE)

ADVISE the Emergency Coordinator on the availability of personnel within the Security Force to support Re-Entry.

PROVIDE Security personnel and equipment, as necessary, to support the Re-Entry effort.

4.0 PROTECTIVE ACTION GUIDELINES NO SUPPORT REQUIRED

5.0 EVENT CLASSIFICATION (UE, A, SE, GE)

5.1 EMERGENCY ACTION LEVELS (UE, A, SE, GE)

COMPARE emergency conditions continuously and make recommendations for reclassification to the Emergency Advisor per TABS "F" and "G" of EPIP:

SO1(23)-VIII-1 "RECOGNITION AND CLASSIFICATION OF EMERGENCIES"

5.0 EVENT CLASSIFICATION (UE, A, SE, GE) (Continued

5.1 EMERGENCY ACTION LEVELS (UE, A, SE, GE) (Continued)

CAUTION
=======
ENSURE the proper Unit (SO1 or SO23) EPIP is used.

5.2 RECLASSIFICATION (UE, A, SE, GE)

IF the existing Emergency Action Level (EAL) is changed:

ENSURE this EPIP is reviewed for applicable required actions.

5.3 EVENT CLOSE-OUT (UE, A, SE, GE)

WHEN emergency conditions have been corrected or are stable:

INFORM the Emergency Advisor if any Security hazards exist

6.0 EXPOSURE CONTROL (UE, A, SE, GE)

ENSURE all Security personnel maintain their exposure to radiation as low as reasonable achievable (ALARA).

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE)

7.1 EMERGENCY EQUIPMENT (UE, A, SE, GE)

7.1.1 RADIO COMMUNICATIONS (UE, A, SE, GE)

DURING a declared Emergency Event:

DIRECT the Security Force to cease all radio transmissions on the Health Physics Offsite Monitoring Team Net (MHz). (This is the only voice radio frequency available to Health Physics for the transmission of Dose Rate Assessment information.)

7.1.2 COMPUTER EQUIPMENT (UE, A, SE, GE)

.1 REPAIR SERVICE (UE, A, SE, GE)

CONTACT the Onshift Computer Technician (see ERTD, Tab D)

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

7.2 EMERGENCY RECALL (UE, A, SE, GE)

7.2.1 UNUSUAL EVENT (UE)

IF emergency conditions dictate the need for additional Security personnel:

DIRECT the Shift Communicator to contact the desired Security Personnel.

IF reclassification of the Emergency Action Level to an Alert is imminent:

RECOMMEND that the Emergency Coordinator activate the Emergency Recall List for Security Personnel.

7.2.2 ALERT, SITE AND GENERAL EMERGENCIES (A, SE, GE)

IF emergency conditions dictate the need for additional Security personnel:

DIRECT the Shift Communicator to contact the desired Security personnel.

7.3 RECORDS (UE, A, SE, GE)

7.3.1 LOGS (UE, A, SE, GE)

ENSURE that the Security Group is maintaining a log, as per section 1.2 of this EPIP.

7.4 TURNOVER (UE,A, SE, GE)

WHEN a turnover is accomplished:

REVIEW and implement Section 1.5 of this EPIP.

8.0 EOF COORDINATION (A, SE, GE)

8.1 RECOVERY ORGANIZATION (A, SE, GE)

WHEN requested by the Emergency Coordinator:

PROVIDE a list of damages, specific to Security equipment, which would prevent plant operations from being resumed with the normal Station Organization

AND

PROVIDE recommendations for the composition of Security Force support within the Recovery Organization.

9.0 UNAFFECTED PLANT (UE,A, SE, GE)

9.1 UNUSUAL EVENT: NO SUPPORT REQUIRED

9.2 ALERT, SITE OR GENERAL EMERGENCY

9.2.1 UNAFFECTED UNIT ONSHIFT SECURITY REPRESENTATIVE

ACTIVATE and man the Security Leader position in the TSC of the Unaffected Plant.

AND

REPORT to the Unaffected Plant Shift Supervisor.

9.2.2 PERSONNEL ACCOUNTABILITY

ENSURE all the Personnel Accountability Forms are received from the below listed personnel within 15 minutes following the first public address announcement for a Plant Evacuation as per Section 1.4 of this EPIP.

Administrative Leader
Operations Leader
Emergency Group Leader

0402F

PERSONNEL ACCOUNTABILITY FORM

PRINTED NAME (LAST, FIRST, MIDDLE INITIAL)	BADGE #	SLOT #	LOCATION (OSC/TSC/CR)	RESPIRATOR QUALIFIED (YES/NO)

INSTRUCTIONS: THIS FORM TO BE SUBMITTED BY THE OPERATIONS LEADER, ADMINISTRATIVE LEADER, AND THE EMERGENCY GROUP LEADER, DIRECTLY TO THE SECURITY LEADER WITHIN

FIFTEEN (15) MINUTES

OF THE FIRST PUBLIC ADDRESS ANNOUNCEMENT FOR A PLANT/SITE EVACUATION.

EVACUATION HAZARDS

A. RESPONSIBILITY: ALL EMERGENCY RESPONSE PERSONNEL

B. OBJECTIVE: Provide indications of potential and actual hazards by which to determine the need for an evacuation.

ARMS

Hi alarm(s) on an Area Radiation Monitoring System (ARMS) alarm, or:

AIRBORNE MONITORS

A building or containment ventilation monitor(s) indicates airborne activity in excess of 10MPC, or:

CAMS

Alarm on portable radiation monitors and/or continuous air monitors (CAMS), or:

SPILLS

Localized spills of radioactive material with sufficient magnitude to result in personnel exposure, or:

FIRE

Fire in any occupied area, or:

GASES

Toxic or flammable gases or heavy smoke observed or reported in any area, or:

CHEMICALS

Chemical hazards to personnel in any area, or:

HIGH PRESSURE LEAKS

High Pressure steam or water leaks.

ADVERSE WEATHER

Adverse weather conditions, such as floods, hurricanes, or tornadoes are expected to occur. In the case of adverse weather, advance weather warnings will normally provide adequate time for an orderly dismissal of Plant personnel, without the need for evacuation.

EVACUATION P.A. ANNOUNCEMENT/SIREN COORDINATION

A. RESPONSIBILITY:

PRIMARY: Emergency Planning Coordinator

ALTERNATE: Security Leader

B. OBJECTIVE: Provide guidance for coordination of P.A. announcement/Siren activation following a Plant or Site Evacuation

C. ACTIONS:

1. PLANT EVACUATION

a. DIRECT the Shift Communicator to make the Plant and Beach Evacuation P.A. Announcements, respectively.

b. ENSURE that Shift Communicator obtains the proper Health Physics information for all announcements.

c. WHEN all P.A. Announcements have been made:

DIRECT the Operations Leader to:

ACTIVATE the Plant Evacuation Siren

d. INFORM the Emergency Coordinator that all announcements/Siren activation is complete.

2. SITE EVACUATION

a. IF a Site Evacuation was ordered without being preceded by a Plant Evacuation:

IMPLEMENT all the steps for Section 1, but direct that a Site Evacuation Announcement be made instead of a Plant Evacuation.

b. IF a Site Evacuation was ordered after being preceded by a Plant Evacuation:

REPEAT all the steps for Section 1 but substitute a Site Evacuation Announcement for a Plant Evacuation and do not implement any actions for a Beach Evacuation.

C. ACTIONS: (Continued)

2. BEACH EVACUATION

a. IF a Beach Evacuation Announcement is ordered prior to a Plant or Site Evacuation:

DIRECT the Shift Communicator to make Announcement 15 "Beach Evacuation: Site Announcement", in SO123-VIII-30.2 "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS".

MAKE the Beach Evacuation Announcement and then activate sirens

b. REPORT the completion of all steps to the Emergency Planning Coordinator.

BEACH EVACUATION

A. AUTHORIZATION

1. If a Site Emergency or a General Emergency has NOT been declared, authorization for evacuating the Pendleton Area State Parks Beaches must come from the Emergency Coordinator.

B. ANNOUNCEMENTS: PER ATTACHMENT 3 OF THIS PROCEDURE

C. SIREN ACTIVATION

1. ACTIVATE SIRENS (SP01 THROUGH SP05) AS FOLLOWS:
(Control Panel is located in Unit 1 TSC only.)

   a. ARM each siren.
   Move the "NUCLEAR ALERT" switch to the "ARM" position. (Pull out slightly on the switch to free it from the spring lock.)

   CAUTION Ensure the "ATTACK" switch is in the "OFF" position.
   =======

   b. VERIFY each siren is armed.
   Sirens are armed when the yellow lamp comes on followed by a red lamp approximately three seconds later. (Both lamps are located immediately to the right of the "ARM" switch.)

   c. ACTIVATE each siren.
   Obtain the siren control panel keys from the CAS or the Shift Supervisor's Office. Insert the key into the lock on the control panel and hold the spring-loaded key lock switch in the "OPERATE" position until the green "SIREN ON" light comes on.

   NOTE: An audible alarm at the control panel will activate whenever a "SIREN ON" lamp is on. Silence this alarm by pushing in on the "ACKNOWLEDGE" control button.

D. SIREN SHUTDOWN

1. AUTOMATIC SHUTDOWN

a. VERIFY that the "SIREN ON" lamp is off.
This will automatically occur approximately three minutes after activation.

b. DISARM each siren.
Move the "NUCLEAR ALERT" switch to the "OFF" position.

c. VERIFY that each siren is disarmed.
Both the red and the yellow lamps will go out.

d. REMOVE the key from the control panel.
Return the keys to the original location (CAS or the Shift Supervisor's Office).

2. MANUAL SHUTDOWN

a. SHUTDOWN each siren.
Move the "NUCLEAR ALERT" switch to the "OFF" position. The "SIREN OFF" lamp will go out approximately four seconds later.

b. VERIFY that each siren is disarmed.
Both the red and the yellow lamps will go out.

c. REMOVE the key.
Return the keys to the original location (CAS or the Shift Supervisor's Office).

E. ALARMS

1. Four alarms (audio and visual) are associated with each siren on the control panel:

a. SIREN POWER FAIL
Loss of AC power to the siren.

b. TAMPER
Opening the communications unit at the siren.

c. REMOTE COMMUNICATION FAILURE
Loss of communications from the control panel to the siren.

d. INCOMING COMMUNICATION FAILURE
Loss of communications from the siren location to the control panel.

E. ALARMS (Continued)

2. Upon receipt of an alarm, silence the audio alarm by pressing the "ACKNOWLEDGE" button, then

call 8 46181 (Alhambra Test Board)

AND

PAX 56650 (SONGS Telecommunications Maintenance)

OR

PAX 56600 (SONGS Telecommunications Manager)

for repair support.

INSTRUCTIONS FOR PLANT ASSEMBLY AREA COORDINATORS

1.0 PURPOSE

To give guidance to Plant Assembly Area Coordinators.

2.0 COMPOSITION

PLANT Assembly Area Coordinators will be designated from among Security personnel assigned to SONGS. Security Officers so assigned may be either members of the SCE Security Force, or members of the contract security guard.

3.0 MISSION

The mission of the Plant Assembly Area Coordinator(s) is to maintain contact with the Security Commander/Supervisor, via radio and/or PAX telephone, for the purpose of passing current factual information to non-essential SCE, Contruction Forces, vendor, and visitor personnel, in designated Assembly Areas.

4.0 ACTIVATION OF PLANT ASSEMBLY AREAS

Plant Assembly Areas will be activated when a Plant Evacuation is directed by the Emergency Coordinator as either a precautionary measure, or an action which becomes mandatory when a Site Emergency is declared.

5.0 PLANT ASSEMBLY AREA COORDINATOR(S) DUTIES

A uniformed Security Officer will be dispatched, with a radio, to designated Plant Assembly Area(s) to:

Be the source of direct contact between the Security Leader and the Personnel assembled in the designated assembly area(s).

When directed by the Security Leader, or his designee, advise evacuees:

AS TO PARKING LOT(S) AND/OR AREA(S) WHERE CONTAMINATED VEHICLES HAVE BEEN IDENTIFIED.

AS TO DIRECTION (NORTH OR SOUTH) OF EVACUATION ROUTE TO BE TAKEN WHEN EVACUATION OF THE SITE HAS BEEN DIRECTED.

THAT TRAVEL TO THE PARKING AREAS WILL BE ON FOOT. NO FORM OF TRANSPORTATION, OTHER THAN FOOT, WILL BE ALLOWED. FOOT TRAFFIC HAS PRIORITY OVER ALL VEHICULAR TRAFFIC, EXCEPT EMERGENCY VEHICLES.

5.0 PLANT ASSEMBLY AREA COORDINATOR(S) DUTIES (Continued)

AS TO REQUIREMENTS TO RIDE-SHARE IN THE EVENT SOME VEHICLES ARE CONTAMINATED.

TO KEEP WINDOWS IN VEHICLES CLOSED, VENTS CLOSED, AIR CONDITIONING TO REMAIN OFF.

MOTORCYCLISTS AND DRIVERS OF OPEN TOP VEHICLES SHOULD BE ENCOURAGED TO RIDE-SHARE.

The Plant Assembly Area Coordinator(s) is NOT REQUIRED to:

MAINTAIN A PERSONNEL ACCOUNTABILITY RECORD OF EVACUEES.

ARRANGE FOR, OR COORDINATE THE RIDE-SHARING EFFORT.

FOLLOW THE INSTRUCTIONS OF ANY PERSON(S) NOT DESIGNATED BY THE SECURITY MANAGER OR HIS AUTHORIZED REPRESENTATIVE.

6.0 STATUS REPORTS

Status reporting times will be determined by the immediate Security Supervisor posting the Assembly Area Coordinator(s).

WHEN a SITE EVACUATION has been announced, Assembly Area Coordinator(s) will report the Assembly Area "CLEAR":

When all personnel have departed the Assembly Area

AND

When the Assembly Area Coordinator(s) have "swept" buildings and trailers in and around the Assembly Area to ensure no non-essential personnel remain.

7.0 POST SECURED

The post of the Assembly Area Coordinator(s) will be "secured" at the direction of the immediate Security Supervisor.

ADMINISTRATIVE LEADER DUTIES

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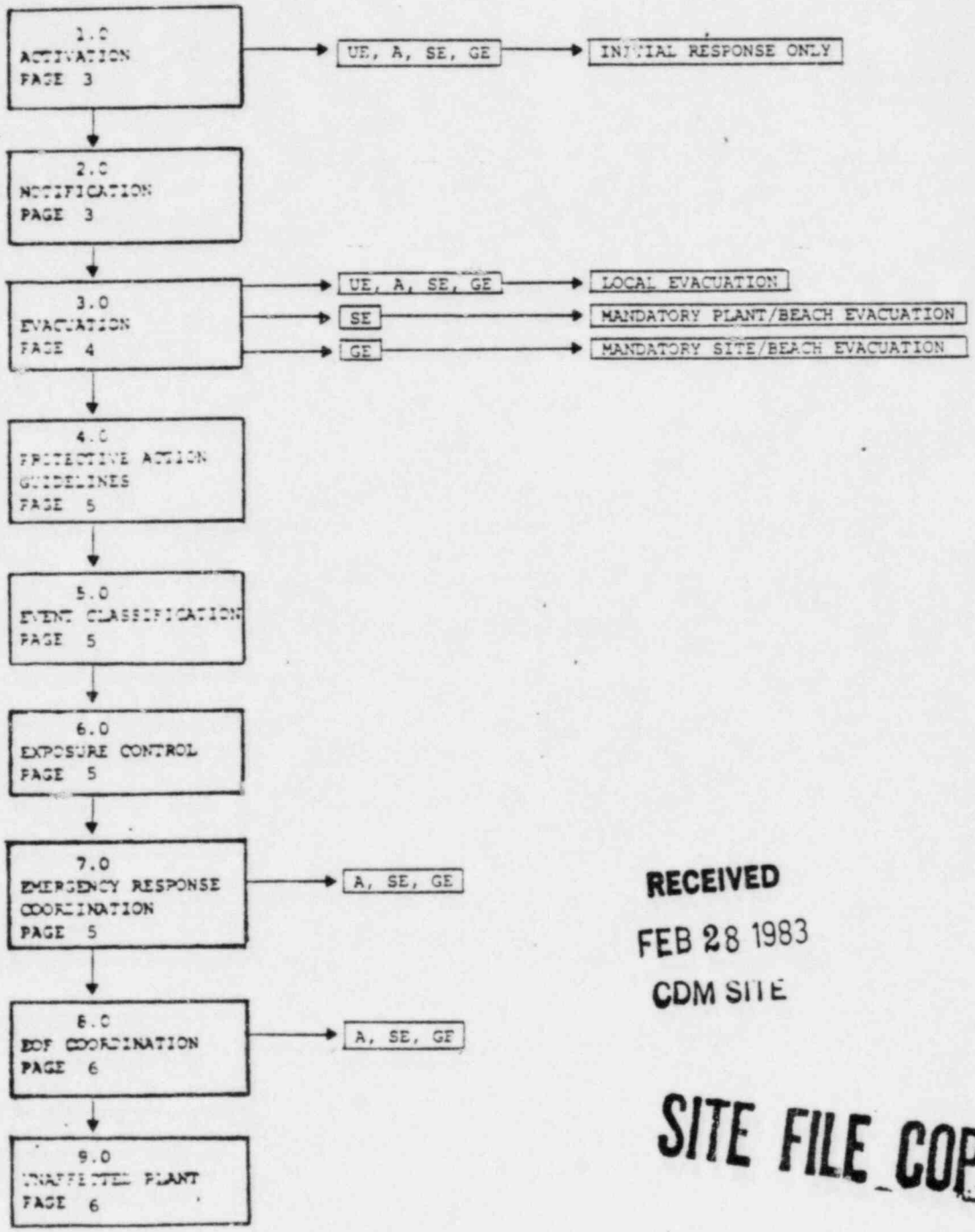

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PROCEDURE WRITER: [signature] 2-22-83 DATE

APPROVED BY: [signature] 2/24/83
W. C. MOODY DATE
DEPUTY STATION MANAGER

ADMINISTRATIVE LEADER'S DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: NONE

2. EMERGENCY RECALL: MANAGER MATERIAL SERVICES AND ADMINISTRATION

B. OBJECTIVES

1. Provide guidance to the Administrative Leader regarding his duties during an Emergency Event.

C. PRECAUTIONS

1. EMERGENCY COORDINATOR RESPONSIBILITIES

Ensure that Emergency Coordinator authorization is obtained for the following:

a. PRECAUTIONARY PLANT OR SITE EVACUATION

2. EVENT RECLASSIFICATION

a. PROCEDURE REVIEW

FOLLOWING each reclassification:

REVIEW section 2.0-9.0 of this EPIP

CHECK off the Emergency Action Level (EAL) at which each step was implemented as follows:

PLACE an "X" through EAL Code following each step in parenthesis

(UE) - Unusual Event
(A) - Alert
(SE) - Site Emergency
(GE) - General Emergency

REVIEW sections 2.0-9.0 of this EPIP as frequently as possible during each EAL to ensure applicable actions are implemented.

D. ATTACHMENTS

1. Personnel Accountability Form

1.0 ACTIVATION (A,SE,GE) (UE optional at discretion of Emergency Coordinator) (Initial Response Only)

1.1 EMERGENCY DUTY STATION (UE,A,SE,GE)

REPORT to the TSC

OBTAIN the Administrative Leader's notebook

1.2 RECORDKEEPING (UE,A,SE,GE)

WHEN emergency conditions will allow:

ENSURE that a log is initiated and maintained

RECORD the name of the Administrative Leader

REPORT to Emergency Coordinator and standby to offer assistance

DOCUMENT all actions required:

To mitigate Emergency Conditions;

By EPIPs (VIII series);

1.3 EQUIPMENT TESTING (UE,A,SE,GE)

1.3.1 TELECOMMUNICATIONS (UE,A,SE,GE)

.1 PAX/BELL PHONES (UE,A,SE,GE)

TEST all Pax/Bell phones assigned to the Administrative Leader by contacting an individual listed in the ERTD Tab D.

.2 REPAIR SERVICE (UE,A,SE,GE)

REPORT any problems to the Telecommunication Test Board (see ERTD Tab M)

1.4 ACCOUNTABILITY (A,SE,GE)

ENSURE that the Personnel Accountability Form (Attachment 1) is signed by all personnel within the Administration section.

2.0 NOTIFICATION: NO SUPPORT REQUIRED

3.0 EVACUATION (UE,A,SE,GE)

3.1 LOCAL EVACUATION (UE,A,SE,GE)

IF the local area is the TSC:

ENSURE Administrative personnel evacuate to the alternate TSC as follows:

Unit(s)	Alternate Location
1	Units 2 & 3 TSC
2 & 3	Units 1 TSC

IF Emergency Conditions of the TSC allow an orderly evacuation:

ENSURE all Unit related documents are moved to the alternate location

3.3 PLANT OR SITE EVACUATION (A,SE,GE)

NOTE: Definitions:

PLANT EVACUATION - MANDATORY AT SITE EMERGENCY
Evacuation of non-essential personnel from the three units protected area.

SITE EVACUATION - MANDATORY AT GENERAL EMERGENCY
Evacuation of non-essential personnel from the owner controlled area and the Mesa.

3.3.1 ACCOUNTABILITY (A,SE,GE)

WITHIN 15 minutes of the P.A. announcement for Plant or Site Evacuation:

PROVIDE accountability sheets for each section as listed below within the TSC to the Security Leader.

Technical Group
Shift Communicator
Emergency Planning Coordinator
Health Physics

3.4 RE-ENTRY (UE,SE,GE)

IF requested by other Emergency Response Team Leaders:

PROVIDE administrative/warehouse/CDM Support required to affect a Re-entry.

4.0 PROTECTIVE ACTION GUIDELINES: NO SUPPORT REQUIRED

5.0 EVENT CLASSIFICATION: NO SUPPORT REQUIRED

6.0 EXPOSURE CONTROL: NO SUPPORT REQUIRED

7.0 EMERGENCY RESPONSE COORDINATION (A,SE,GE)

7.1 EMERGENCY RECALL (A,SE,GE)

7.1.1 ALERT, SITE AND GENERAL EMERGENCIES (A,SE,GE)

IF emergency conditions dictate the need for additional Administrative personnel:

DIRECT the Shift Communicator to contact the desired personnel.

7.2 RECORDS (A,SE,GE)

7.2.1 LOGS (A,SE,GE)

ENSURE that the administration section maintains a log, as per section 1.2 of this EPIP.

7.2.2 RECORD RETRIEVAL (A,SE,GE)

UPON termination of an Emergency Event:

COLLECT all procedure checklists, attachments and logs pertaining to the Emergency Event from the Emergency Response Team Leaders

FORWARD them to the Manager, Station Emergency Preparedness for event reconstruction purposes

7.3 TURNOVER (A,SE,GE)

WHEN necessary to conduct a turnover:

REVIEW with the oncoming Administrative Leader the following:

Administrative Leader Log

Emergency Conditions

REPORT turnover completion to the Emergency Planning Coordinator.

7.4 WAREHOUSE SUPPORT (A,SE,GE)

7.4.1 PARTS/SUPPLY REQUISITIONS

COORDINATE all request for parts or supplies that are required to mitigate the Emergency Condition.

7.0 EMERGENCY RESPONSE COORDINATION (A,SE,GE) (Continued)

7.5 CLERICAL/CDM SUPPORT - ONSITE (A,SE,GE)

COORDINATE clerical and CDM support request that can be provided from onsite resources if emergency conditions have not eliminated this possibility

8.0 EOF COORDINATION (A,SE,GE)

8.1 CORPORATE SUPPORT (A,SE,GE)

8.1.1 NOT IN STOCK ITEMS (A,SE,GE)

IF the Technical group has identified a piece of equipment that is not in stock and has been located through the NOTE PAD at another Station:

COORDINATE the billing documentation, transportation and pick up of the requested item(s) with EOF.

8.2 LONG TERM ACCIDENT LOGISTICAL SUPPORT (A,SE,GE)

8.2.1 FOOD-BILLETING (A,SE,GE)

IF the event is a long term emergency:

COORDINATE catering services or equivalent and billeting for individuals required to remain in the immediate area of the site.

8.2.3 CLERICAL/CDM SUPPORT - CORPORATE (A,SE,GE)

IF the emergency conditions prohibit the utilization of station clerical and CDM resources:

REQUEST that the Manager of Nuclear Operations or his designated alternate in the TSC obtain assistance from the Administrative Group in the EOF.

9.0 UNAFFECTED PLANT: NO SUPPORT REQUIRED

PERSONNEL ACCOUNTABILITY FORM

PRINTED NAME (LAST, FIRST, MIDDLE INITIAL)	BADGE #	SLOT #	LOCATION (OSC/TSC/CR)	RESPIRATOR QUALIFIED (YES/NO)

INSTRUCTIONS: THIS FORM TO BE SUBMITTED DIRECTLY TO THE SECURITY LEADER WITHIN

FIFTEEN (15) MINUTES

OF THE FIRST PUBLIC ADDRESS ANNOUNCEMENT FOR A PLANT/SITE EVACUATION.

0401F

EMERGENCY RECALL

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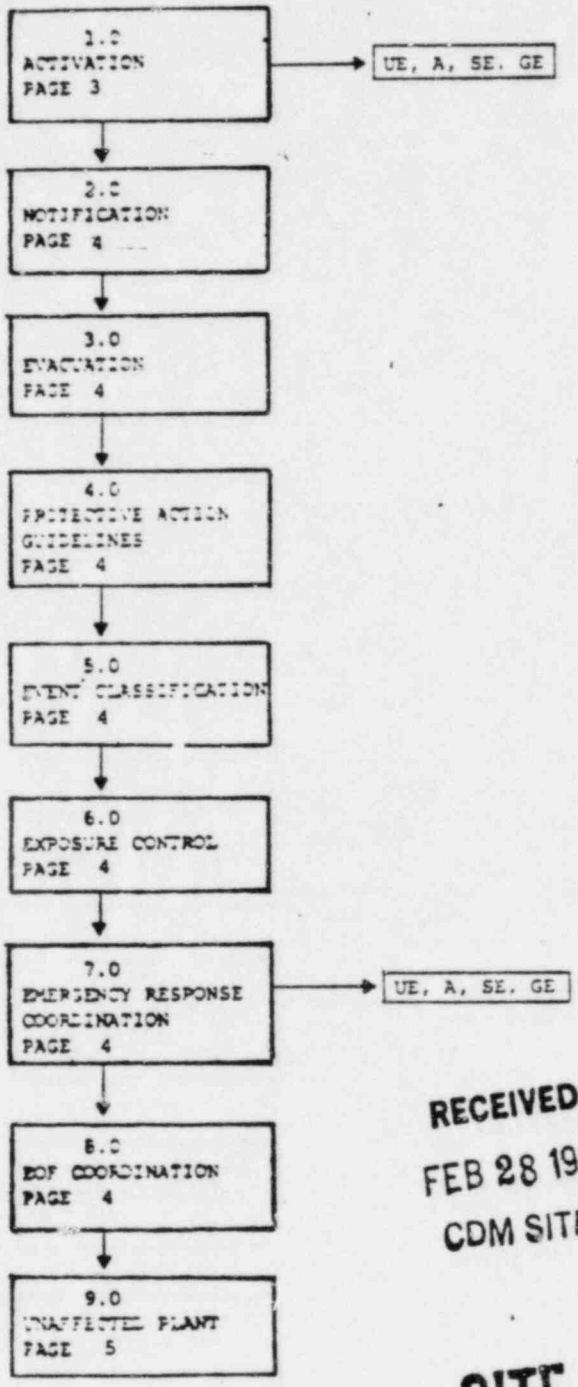

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PROCEDURE WRITER: D. Bennetta 2-23-83 Date APPROVED BY: W. C. Moody 2/24/83
W. C. MOODY
DEPUTY STATION MANAGER

EMERGENCY RECALL

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ON SHIFT: AWS SWITCHBOARD OPERATORS

2. EMERGENCY RECALL: AWS SWITCHBOARD OPERATORS

NOTE: When the AWS is ordered to be evacuated, the AWS Operators will relocate to the Affected Unit TSC

B. OBJECTIVES

1. Provide guidance for the AWS Operators to initiate the recall of Nuclear Emergency Response Team Members to the Site.

C. PRECAUTIONS

1. EQUIPMENT LIMITATIONS

a. Do not depend solely on Public Address System or Emergency Response Pocket Pagers. Telephone notification/verification is necessary.

D. ATTACHMENTS

1. Primary Operator Duties

2. Secondary Operator Duties

1.0 ACTIVATION (UE, A, SE, GE)

1.1 EMERGENCY RECALL ACTIVATION (UE, A, SE, GE)

1.1.1 UNUSUAL EVENT

IF the Emergency Coordinator directs the Emergency Recall to be activated:

IMPLEMENT this procedure as directed by the Shift Communicator

1.1.2 ALERT/SITE/GENERAL EMERGENCIES

UPON notification from the Shift Communicator that a Alert/Site/General Emergency has been declared:

IMPLEMENT this procedure as directed by the Shift Communicator

1.1.3 AWS EVACUATION

.1 SWITCHBOARD OPERATORS

IF the AWS is evaucated;

CONTACT Shift Communicators and inform them that the ROLM boards have been placed in a Night Mode;

REQUEST the TSC ROLM board be placed in The Operation Mode to receive incoming calls;

TRANSFER Physically to the affected TSC.

.2 SHIFT COMMUNICATORS

WHEN the AWS Operators have to evacuate to the affected TSC:

PLACE ROHM board in Operational Mode;

IF conditions allow:

BEGIN the implementation of this procedure by activating the Secondary Operator Duties, (Attachment 2).

WHEN the AWS Operators report to the TSC:

DELEGATE the Recall procedure responsibility back to them.

1.0 ACTIVATION (UE, / SE, GE) (Continued)

1.2.1 ADDITIONAL AUGMENTATION

.1 SPECIFIC PERSONNEL/EXPERTISE REQUIRED

SHIFT COMMUNICATORS

IF requests are received from Emergency Response Team Leaders for Additional Augmentation:

SUBMIT the names to the AWS Operators

AWS OPERATORS

WHEN a request is received from the Shift Communicator:

LOCATE the name on the Emergency Recall List;

CONTACT the person per the Primary Operations Attachment addressing the phoning of individuals.

2.0 NOTIFICATION: NO SUPPORT REQUIRED

3.0 EVACUATION:

3.1 PLANT EVALUATION

If a Plant Evacuation has been declared:

CONTACT the EOF Switchboard Operator, Training and Education Center, SONGS Mesa, listed in TAb "E", Emergency Pesponse Telephone Directory (ERTD)

AND

DIRECT that the "call tree" in Tab "E", ERTD, be activated, and all personnel informed of a possible site evacuation.

AND

DIRECT the EOF Switchboard Operator to report back to the Security Leader by telephone when action has been accompleted.

3.0 EVACUATION: (Continued)

3.2 SITE EVACUATION

If a Site Evacuation has been declared:

CONTACT the EOF Switchboard Operator

AND

DIRECT that the "call tree" in Tab "E", ERTD, be activated, and all personnel informed to proceed to their designated assembly areas to receive additional instructions from the uniformed Security Officer at the assembly areas(s).

AND

DIRECT the EOF Switchboard Operator to report back to the Security Leader by telephone when action has been accompleted.

4.0 PROTECTIVE ACTION GUIDELINES: NO SUPPORT REQUIRED

5.0 EVENT CLASSIFICATION: NO SUPPORT REQUIRED

6.0 EXPOSURE CONTROL: NO SUPPORT REQUIRED

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE)

7.1 SENIOR SCE OPERATOR

ASSUME The position of primary Operator:

INITIATE Attachment 1 of this procedure.

7.2 SCE OPERATOR

ASSUME The position of Secondary Operator:

INITIATE Attachment 2 of this procedure.

8.0 EOF COORDINATION: NO SUPPORT REQUIRED

9.0 UNAFFECTED PLANT: NO SUPPORT REQUIRED

PRIMARY OPERATOR DUTIES

1.0 PURPOSE

1.1 Provide the steps to be taken when an Emergency Event is declared and the Emergency Recall is to be activated.

2.0 COORDINATION

2.1 NONE

3.0 ACTIVATION

3.1 COMMUNICATIONS EQUIPMENT

3.1.1 Place Switchboard in night mode

3.1.2 Cease Paging activities (unless request pertains to emergency)

3.1.3 Cease Telecopier activity

3.2 EMERGENCY RECALL

3.2.1 DURING NORMAL WORKING HOURS (M-F 7:30 a.m. - 4:00 p.m.)

.1 Assist Shift Communicator in the initiation of applicable announcements per EPIP S0123-VIII-30.2, "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS"

.2 Ensure Secondary Operator has activated Emergency Response Pagers

.3 Assist in calling management personnel listed in the Management Section of the Emergency Recall List

.4 If requested by the Shift Communicator contact ADDITIONAL Emergency Response personnel

3.0 ACTIVATION (Continued)

3.2.2 **During Non-Working Hours, Weekends, Holidays**

.1 Assist Shift Communicator in the initiation of applicable announcement per EPIP S0123-VIII-30.2, "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS".

.2 Ensure Secondary Operator has activated Emergency Response Pagers.

.3 Proceed to the Emergency Recall List beginning with the Shift Communicators and fulfill the 30 minutes response requirement. After the required number of personnel have been contacted in the 30 minutes response areas start again with the Shift Communicators and fulfill the 60 minutes response requirement.

NOTE: NAMES ARE LISTED IN ORDER OF THEIR PROXIMITY TO THE PLANT. FOR THIS REASON ALWAYS START AT THE TOP OF THE LIST.

.4 When completed inform the Shift Communicator of this status.

.5 Verify that all Station Management personnel on the Emergency Recall List have responded either by verifying that they replied to the Emergency Response Pocket Pagers or have been contacted by the Secondary Operator via the telephone system. If all management personnel have not been contacted assist the Secondary Operator in completing this task.

SECONDARY OPERATOR DUTIES

1.0 PURPOSE

1.1 To provide the steps to be taken when an Emergency Event is declared and the Emergency Recall is to be activated.

2.0 COORDINATION

2.1 The Secondary Operator will assist the Primary Operator in the activation of the Emergency Recall and the operator of the AWS switchboard during an Emergency Event.

3.0 ACTIVATION

3.1 Upon direction from the Primary Operator that the Emergency Recall has been activated complete the following:

3.1.1 Contact the Edison Operator (Emergency Response Telephone Directory TAB M) and inform them an Emergency condition exists and request they activate the Emergency Response Beepers.

3.1.2 Record the names of the personnel responding to the Recall Beepers.

NOTE: If the recall is activated during normal working hours contact Station Management at their offices.

3.1.3 Ten minutes after initial beeper activation contact the Edison Operator (Emergency Response Telephone Directory TAB M) and inform them an Emergency condition exists and request they activate the Emergency Response Beepers.

_____	_____
TIME	INITIALS

3.1.4 Brief Primary Operator of the names of Personnel who are responding to their Emergency Response Beepers.

3.1.5 If no response is received from an individual who is a Primary Leader contact his alternate utilizing the management section of the Recall List.

3.2 INCOMING CALLS

3.2.1 The Secondary Operator will receive all incoming calls.

.1 If during the process of contacting emergency support personnel an incoming call for non-emergency reason is received, politely explain to them that the person they wish to contact will be unavailable for an unknown period of time.

.2 Refer all incoming calls concerning the emergency to SCE Corporate Communication (ERTD TAB M prior to EOF activation, ERTD TAB N following full EOF activation) unless a call is received from one of the following offsite agencies or personnel:

City of San Clemente or San Juan Capistrano

Office of Emergency Services - State Office at Sacramento, Orange County or San Diego County

U.S. Nuclear Regulatory Commission or Department of Energy

U.S. Marine Corps Base - Camp Pendleton

Pendleton Coast Area Office State Parks and Recreation

California Highway Patrol

Plant Vendors: Westinghouse, Bechtel or Combustion Engineering.

Any person on the Emergency Recall List.

If the call is from one of the above agencies, take their message and tell them you will relay it to the proper person and have that party return the call. Route all messages to Emergency Response Personnel through the Shift Communicator.

3.3 PROVIDE ADDITIONAL ASSISTANCE

3.3.1 Upon request of the Primary Operator, assist in the following:

.1 The Recall of Emergency Response Personnel

.2 The making of Announcements per S0123-VIII-30.2 "EMERGENCY PUBLIC ADDRESS ANNOUNCEMENTS".

EMERGENCY GROUP LEADER DUTIES

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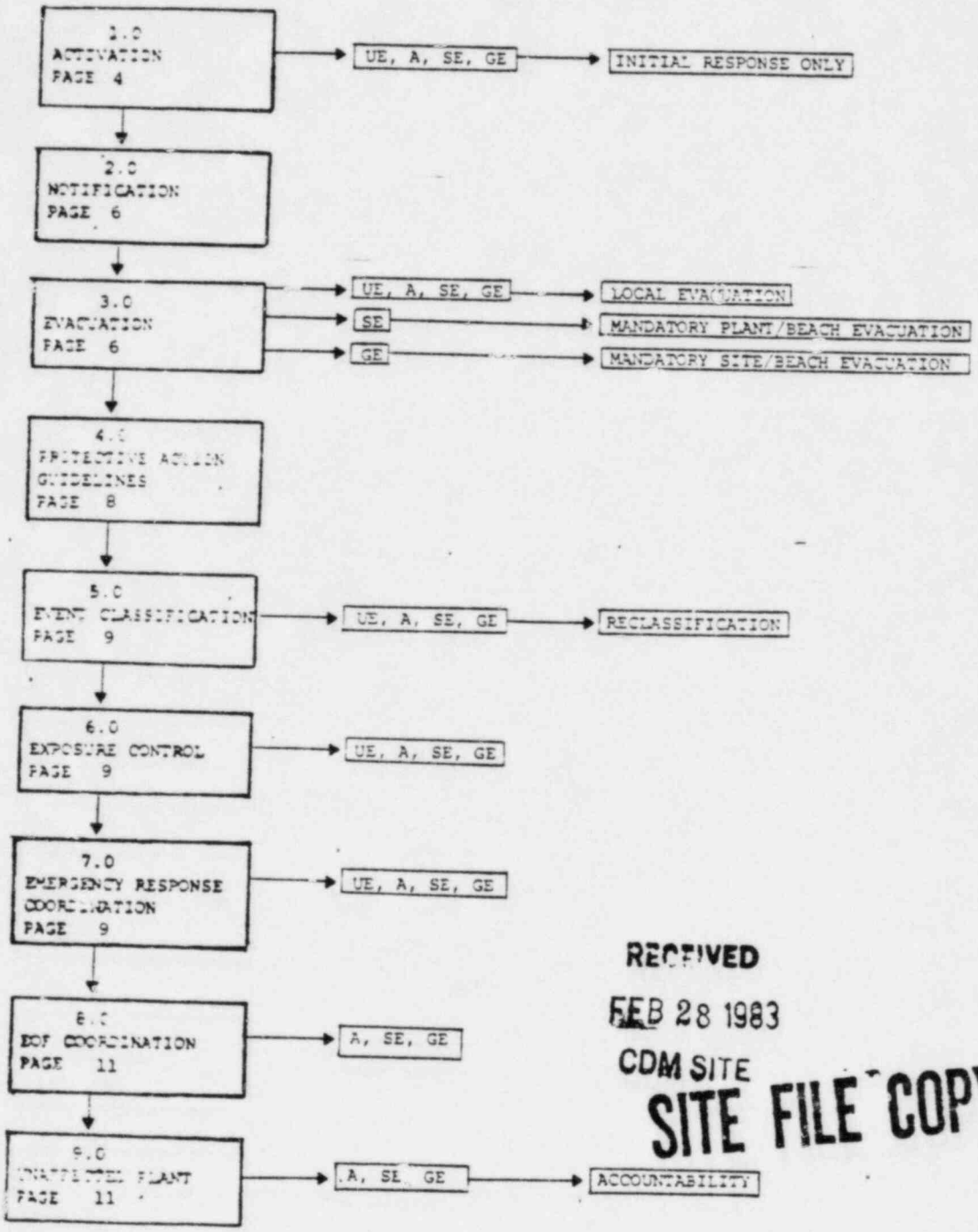

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PREPARED BY: John E. Ford 2-23-83 APPROVED BY: W. C. Moody 2/24/83
PROCEDURE WRITER DATE W. C. MOODY DATE
DEPUTY STATION MANAGER

EMERGENCY GROUP LEADER DUTIES

PROCEDURE COORDINATION

A. PRIMARY RESPONSIBILITY

1. ONSHIFT: SHIFT MAINTENANCE SUPERVISOR

2. EMERGENCY RECALL: STATION MAINTENANCE MANAGER OR ALTERNATE

3. UNAFFECTED PLANT: ONSHIFT MAINTENANCE SUPERVISOR/ FOREMAN FOR MAINTENANCE DEPARTMENT

B. OBJECTIVES

1. Provide guidance to the Emergency Group Leader regarding his duties during an Emergency Event.

C. PRECAUTIONS

1. EMERGENCY COORDINATOR RESPONSIBILITIES

Ensure that Emergency Coordinator authorization is obtained for the following:

a. EMERGENCY EVENT DECLARATION

b. PRECAUTIONARY PLANT OR SITE EVACUATION

c. EXCEEDING 10CFR20 EXPOSURE LIMITS

2. EVENT RECLASSIFICATION

a. PROCEDURE REVIEW

FOLLOWING each reclassification:

REVIEW section 2.0-9.0 of this EPIP

CHECK-OFF the Emergency Action Level (EAL) at which each step was implemented as follows:

PLACE an "X" through EAL Code in parentheses.

(UE) - Unusual Event

(A) - Alert

(SE) - Site Emergency

(GE) - General Emergency

REVIEW sections 2.0-9.0 of this EPIP as frequently as possible during each EAL to ensure applicable actions are implemented.

D. ATTACHMENTS

1. Personnel Accountability Form
2. Evacuation Hazards
3. Emergency Team Coordinator Checklist

1.0 ACTIVATION (UE,A,SE,GE) (INITIAL RESPONSE ONLY)

1.1 EMERGENCY DUTY STATION (UE, A, SE, GE)

REPORT to the OSC

OBTAIN the Emergency Group Leader notebook

IF an A, SE, or GE:

DIRECT the Unaffected Plant Maintenance Shift Supervisor to implement Section 9.0 of this EPIP.

1.2 RECORD KEEPING (UE, A, SE, GE)

WHEN emergency conditions allow:

ENSURE that a log is initiated and maintained

RECORD the name of the Emergency Group Leader

DOCUMENT all actions required:

To mitigate Emergency Conditions

By Maintenance Procedures

By EPIPs

1.3 EQUIPMENT TESTING (UE, A, SE, GE)

1.3.1 TELECOMMUNICATIONS EQUIPMENT (UE, A, SE, GE)

.1 IVORY PHONE (UE, A, SE, GE)

ASSIGN an individual to:

OBTAIN headsets from the Emergency Equipment Kit. (See the Emergency Equipment Inventory List [EEIL] for location.)

MAN the Ivory Phone continuously (See the Emergency Response Telephone Directory (ERTD) Tab B for operating instructions)

MAINTAIN status boards

1.0 ACTIVATION (UE,A,SE,GE) (INITIAL RESPONSE ONLY) (Continued)

1.3 EQUIPMENT TESTING (UE, A, SE, GE)

1.3.1 TELECOMMUNICATIONS EQUIPMENT (UE, A, SE, GE)

.1 IVORY PHONE (Continued)

CONTACT the Affected Unit Control Room (Emergency Response Telephone Directory [ERTD] Tab B.)

REPORT that the OSC is standing by to offer assistance.

.2 PAX/BELL (UE, A, SE, GE)

TEST all PAX/BELL phones assigned to the OSC by contacting an individual listed in the ERTD Tab D.

.3 RADIO EQUIPMENT (UE, A, SE, GE)

TEST all radios by contacting another station on the assigned frequency

ENSURE the Health Physics Foreman records the name of each individual to whom radio is issued.

.4 REPAIR SERVICE (UE, A, SE, GE)

REPORT equipment malfunction to the Telecommunications Test Board (see ERTD Tab M).

1.4 ACCOUNTABILITY (A, SE, GE ONLY)

ASSIGN an individual to ensure that all Emergency Response Team personnel assigned to the OSC have filled in the Personnel Accountability Form.

ENSURE that the Personnel Accountability Form (Attachment 1) is kept current as personnel changes occur.

1.0 ACTIVATION (UE, A, SE, GE) (INITIAL RESPONSE ONLY) (Continued)

1.5 TURNOVER PROCESS (UE, A, SE, GE)

WHEN the Emergency Recall Emergency Group Leader arrives,

TURNOVER responsibility by reviewing the current status of the following:

Emergency Group Leader Log

Plant Status

Equipment Status

Personnel Status

Corrective Actions in Progress

RECORD completion of the turnover in the Emergency Group Leader Log

REPORT completion of the turnover to the Emergency Planning Coordinator

2.0 NOTIFICATION NO SUPPORT REQUIRED

3.0 EVACUATION (UE, A, SE, GE)

3.1 LOCAL EVACUATION (UE, A, SE, GE)

IF conditions indicate that a fire or safety hazard exists (see Attachment 2)

DIRECT Emergency Services Officers to determine the necessity for a Precautionary local area evacuation.

IF the local area to be evacuated is the OSC

ENSURE Personnel evacuate to the alternate OSC as follows:

UNITS	ALTERNATE LOCATION
1	Units 2&3 OSC
2&3	Lobby outside Control Room

IF Emergency Conditions allow an orderly evacuation of the OSC:

REMOVE unit related OSC documentation to the alternate location.

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.2 PRECAUTIONARY EVACUATION (UE, A, SE)

IF conditions indicate that hazards exist (see Attachment 2), or an imminent potential for hazards exists which endanger personnel safety in:

Major portion of the Protected Area

Major portion of the Owner Controlled Area

RECOMMEND that the Emergency Coordinator order, respectively a precautionary:

Plant Evacuation (Proceed to 3.3)

Site Evacuation (Proceed to 3.3)

3.3 PLANT OR SITE EVACUATION (A, SE, GE)

NOTE: DEFINITIONS:

PLANT EVACUATION: MANDATORY AT SITE EMERGENCY. Evacuation of nonessential personnel from the Protected Areas of ALL three Units.

SITE EVACUATION: MANDATORY AT GENERAL EMERGENCY. Evacuation of nonessential personnel from the Owner Controlled Area and the Mesa.

3.3.1 REQUIRED ACTIONS (A, SE, GE)

.1 COORDINATION (A, SE, GE)

IF a Precautionary Plant or Site Evacuation has been declared by the Emergency Coordinator:

RENDER assistance as required.

3.0 EVACUATION (UE, A, SE, GE) (Continued)

3.3.2 ACCOUNTABILITY (UE, A, SE, GE)

ENSURE the Personnel Accountability Forms are received from the below listed personnel:

Maintenance Supervisor
Emergency Services Leader
Health Physics Foreman

ENSURE that these forms are received by the Security Leader within 15 minutes of the Public Address Announcement to evacuate the Plant.

NOTE: Personnel accountability applies only to personnel within the Protected Area(s) of Units 1, 2 and 3. In any PLANT EVACUATION, all Units are required to evacuate the Plant Protected Area(s).

3.3.3 MISSING PERSONNEL (UE, A, SE, GE)

IF personnel are unaccounted for:

DETERMINE the last known location from the Security Leader.

DIRECT the Emergency Services Leader to implement SO123-XIII-30, "RESCUE".

REPORT results of the rescue effort to the Emergency Planning Coordinator in the TSC.

3.4 RE-ENTRY (UE, A, SE, GE)

WHEN the hazard initiating the evacuation has been mitigated to a level which will allow personnel entry:

PROVIDE personnel and equipment, as necessary, to support the Re-entry Coordinator as directed by the Emergency Coordinator.

4.0 PROTECTIVE ACTION GUIDELINES: NO SUPPORT REQUIRED

5.0 EVENT CLASSIFICATION (UE, A, SE, GE)

5.1 EMERGENCY ACTION LEVELS (UE, A, SE, GE)

COMPARE emergency conditions continuously and make recommendations for reclassification to the Emergency Advisor per TABS "E" and "G" of EPIP:

SO1(23)-VIII-1, "RECOGNITION AND CLASSIFICATION OF EMERGENCIES".

CAUTION ENSURE the proper Unit (SO1 or SO23) EPIP is used.

5.2 RECLASSIFICATION (UE, A, SE, GE)

IF the existing Emergency Action Level (EAL) is changed:

ENSURE all disciplines within the OSC are aware of the reclassification.

ENSURE all disciplines review their EPIPs for applicable required actions.

5.3 EVENT CLOSE-OUT (UE, A, SE, GE)

WHEN emergency conditions have been corrected or are stable.

PROVIDE the Emergency Advisor with information concerning damage due to any natural catastrophes.

6.0 EXPOSURE CONTROL (UE, A, SE, GE)

ENSURE all personnel maintain their exposure to radiation as low as reasonably achievable.

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE)

7.1 EMERGENCY EQUIPMENT (UE, A, SE, GE)

7.1.1 VOICE RADIO COMMUNICATIONS

.1 WHEN an emergency event is declared:

REQUEST the Security Leader to instruct the Security Force to cease all voice radio transmissions on the Health Physics Offsite Monitoring Team Net MHz).

NOTE: This is the only voice radio frequency available to Health Physics for the transmission of Dose Rate Assessment information.

7.0 EMERGENCY RESPONSE COORDINATION (UE, A, SE, GE) (Continued)

7.2 EMERGENCY RECALL (UE, A, SE, GE)

7.2.1 UNUSUAL EVENT (UE)

IF emergency conditions dictate the need for additional OSC personnel:

RECOMMEND that the Emergency Coordinator direct the Shift Communicator to implement the Emergency Recall List.

IF reclassification to a higher Emergency Action Level is imminent:

RECOMMEND that the Emergency Coordinator direct the Shift Communicator to implement the Emergency Recall List.

7.2.2 ALERT, SITE AND GENERAL EMERGENCIES (A, SE, GE)

IF emergency conditions dictate the need for additional Maintenance personnel:

DIRECT the Shift Communicator to contact the desired personnel.

7.3 RECORDS (UE, A, SE, GE)

7.3.1 LOGS (UE, A, SE, GE)

ENSURE that the Emergency Group Leader Log, and supporting discipline logs within the OSC, are maintained as per Section 1.2 of this EPIP.

7.4 TURNOVER (UE, A, SE, GE)

IF a turnover is conducted after the initial one:

REVIEW and implement Section 1.5 of this EPIP.

7.5 EMERGENCY RESPONSE TEAM COORDINATION

DIRECT the Shift Maintenance Supervisor to coordinate the dispatch of all Emergency teams using Attachment 3, "Emergency Response Team Coordinator Checklist".

8.0 EOF COORDINATION (A, SE, GE)

8.1 RECOVERY ORGANIZATION (A, SE, GE)

8.1.1 ORGANIZATION DETERMINATION (A, SE, GE)

WHEN requested by the Emergency Coordinator:

PROVIDE a list of damages to maintenance equipment which would prevent plant operations from being resumed with the normal Station Organization.

AND

PROVIDE recommendations for the composition of Maintenance Department support within the Recovery Organization.

9.0 UNAFFECTED PLANT (UE, A, SE, GE)

9.1 UNUSUAL EVENT: NO SUPPORT REQUIRED

9.2 ALERT, SITE OR GENERAL EMERGENCY (A, SE, GE)

9.2.1 UNAFFECTED UNIT ON-SHIFT EMERGENCY RESPONSE PERSONNEL

ACTIVATE and man the Emergency Group Leader position in the OSC of the Unaffected Plant

REPORT to the Affected Plant Emergency Group Leader via PAX (see ERTD Tab C).

IMPLEMENT Section 1.4 of this procedure.

9.2.2 PERSONNEL ACCOUNTABILITY (A, SE, GE)

WITHIN 15 minutes of the Public Address Announcement for a Plant or Site Evacuation:

PROVIDE one copy of the Personnel Accountability Form to the Security Leader in the TSC of the Unaffected Plant.

PERSONNEL ACCOUNTABILITY FORM

PRINTED NAME (LAST, FIRST, MIDDLE INITIAL	BADGE #	SLOT #	LOCATION (OSC/TSC/CR)	RESPIRATOR QUALIFIED (YES/NO

INSTRUCTIONS: THIS FORM TO BE SUBMITTED DIRECTLY TO THE SECURITY LEADER WITHIN

FIFTEEN (15) MINUTES

OF THE FIRST PUBLIC ADDRESS ANNOUNCEMENT FOR A PLANT/SITE EVACUATION.

EVACUATION HAZARDS

A. RESPONSIBILITY: ALL EMERGENCY RESPONSE PERSONNEL

B. OBJECTIVE: Provide indications of potential and actual hazards by which to determine the need for an evacuation

ARMS

Hi alarm(s) on an Area Radiation Monitoring System (ARMS) alarm, or:

AIRBORNE MONITORS

A building or containment ventilation monitor(s) indicates airborne activity in excess of 10MPC, or:

CAMS

Alarm on portable radiation monitors and/or continuous air monitors (CAMS), or:

SPILLS

Localized spills of radioactive material with sufficient magnitude to result in personnel exposure, or:

FIRE

Fire in any occupied are, or:

GASES

Toxic or flammable gases or heavy smoke observed or reported in any area, or:

CHEMICALS

Chemical hazards to personnel in any area; or

HIGH PRESSURE LEAKS

High Pressure steam or water leaks

ADVERSE WEATHER

Adverse weather conditions, such as floods, hurricanes, or tornados are expected to occur. In the case of adverse weather, advance weather warnings will normally provide adequate time for an orderly dismissal of plant personnel, without the need for evacuation.

EMERGENCY TEAM COORDINATOR CHECKLIST

A. RESPONSIBILITY:

PRIMARY: ONSHIFT MAINTENANCE SUPERVISOR

ALTERNATE: ONSHIFT SENIOR MAINTENANCE FOREMAN

B. OBJECTIVE: Provide guidance for coordination of Emergency Response Teams dispatched from the OSC in the mitigation of a declared emergency.

C. ACTIONS: (UE, A, SE, GE)

1. ALL EMERGENCY ACTION LEVELS

a. REPORT to the Emergency Group Leader in the OSC.

b. IF an Alert, Site or General Emergency:

Dress out a minimum of three (3) Emergency Response Teams (ERTs) upon arrival.

c. ENSURE that the Operations Leader approves the dispatch of any Emergency Team.

d. ASSIGN identifiers to ERTs as follows:

Damage Control Teams:	Alpha-Numeric (A-1, A-2, etc.)
HP Monitoring Teams:	Color-Numeric (Red-1, Red-2, etc.)
Emergency Response Teams:	Numeric only (1, 2, 3, etc.)

e. ENSURE that the Emergency Tool Kits are available and complete.

f. OBTAIN additional tools and equipment as required.

g. ADVISE and assist the EGL in the employment of maintenance personnel on Emergency Response Teams.

h. OBTAIN additional personnel as required.

i. ENSURE that Emergency Response Teams being dispatched:

Are properly outfitted

Know the correct route to the assigned location.

Understand assigned duties upon arrival.

Know what conditions to expect.

Have a means of communication.