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South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

STP NUCLEAR OPERATING COMPANY
Units 1 and 2
Docket Nos. STN 50-498; STN 50-499
Changes to Emergency Plan Implementing Procedure

In accordance with 10CFR50.4(b)(5) and 10CFR50, Appendix E, Section V, the STP Nuclear Operating Company hereby submits the attached revision of two (2) Emergency Plan Implementing Procedures.

If there are any questions regarding this matter, please contact Mr. Fred Puleo at (361) 972-8697 or myself at (361) 972-8053.

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Manager, Plant Protection

FJP/mk
Enclosure: Letter of Receipt
Summary of Changes
0ERP01-ZV-IN04, Assembly and Accountability, Revision 8
0ERP01-ZV-SH01, Shift Supervisor, Revision 13

A045

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Summary of Changes for
Assembly and Accountability
0ERP01-ZV-IN04, Rev. 8

This revision does not reduce the effectiveness nor change the intent of the procedure as described within the Emergency Plan.

- Changed procedure Usage from Referenced to N/A to comply with 0PGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide.
- CR 99-6252-4 and CR 99-6252-6, Revise procedure 0ERP01-ZV-IN04. Change reference from the Nuclear Training Annex to the Central Processing Facility.
- CR 99-10625-2, Contained outdated information such as references to procedures that do not exist anymore (0SDP01-SE-0001, 0SDP01-SE-0027).
- Moved Addendum 1 ahead of Data Sheet and Forms.
- Changed Data Sheet 1 which contained multiple position instructions into four individualized Data Sheets.

The changes made are as follows:

Change No.	Change to Revision 7	Reason
1.	Moved Addendum 1 ahead of Data Sheet 1.	To comply with procedure 0PGP03-ZA-0039, Plant Procedures Writer's Guide.
2.	Added Step 1.2	Defines this procedure as implementing assembly and accountability requirements as described in the STPEGS Emergency Plan.
3.	Moved old Step 5.2 to 3.2	This step is a precaution rather then a procedure step.
4.	Added Step 4.2.1, Overall coordination during search and rescue activities.	This is a TSC Manager responsibility.
5.	Added Step 4.4, The Control Room Onsite Communicator and Security Communicator are responsible to make the page announcements to initiate accountability.	Added responsibility for who actually makes the PA Announcement.
6.	Added Step 4.5.1, The Acting Security Manager is responsible for Security	Ensures the responsibility is covered until the TSC is activated.

Summary of Changes for
Assembly and Accountability
0ERP01-ZV-IN04, Rev. 8

Change No.	Change to Revision 7	Reason
	Manager activities until the Technical Support Center is activated.	
7.	Added Step 4.6.1, The Acting Radiological Manager is responsible for Radiological Manager activities until the Technical Support Center is activated.	Ensures the responsibility is covered until the TSC is activated.
8.	Added Step 4.7, The Radiological Manager is responsible for recommending activation of a reception center if evacuating personnel may become contaminated.	This is a Radiological Manager responsibility.
9.	Added Step 5.4 – 5.6, to direct users to appropriate Checklist.	Enhancement to make the procedure easier to understand/use.
10.	Added Step 5.4.1.1, Initiate a Sweep inside the Protected Area.	To provide guidance to complete manual accountability in the event the security system fails.
11.	Deleted Step 6.3 and 6.4	Procedures 0SDP01SE0001 and 0SDP01SE0027 have been deleted.
12.	Added Step 6.2, 0PGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide	All ERP Procedures use this Writers Guide to define procedure usage.
13.	Section 7.0, revised to match table of contents.	To comply with procedure 0PGP03-ZA-0039, Plant Procedures Writer's Guide.
14.	Old Data Sheet 1, Step 5, removed Deputy EOF Director instructions	These instructions are contained in procedure 0ERP01ZVIN05, Data Sheet 2.
15.	New Addendum 1, changed NTA to CPF.	Facility names have been changed.
16.	New Addendum 1, Revised Telephone numbers.	Telephone numbers have been changed.
17.	New Data Sheet 1, PA announcement instructions, Changed DESIGNATED ASSEMBLY AREA to EMERGENCY RESPONSE FACILITY	Clarifies where ERO Personnel go.

Summary of Changes for
Assembly and Accountability
0ERP01-ZV-IN04, Rev. 8

Change No.	Change to Revision 7	Reason
18.	New Data Sheet 1, PA announcement instructions, Changed to read no eating, drinking, smoking, or chewing is allowed by evacuees.	Clarifies the instructions are for personnel not assigned to a facility.
19.	New Addendum Step 5.0, IF the Security Computer System fails, THEN initiate a Protected Area Sweep to ensure all personnel are complying with the assembly and accountability announcement, use Operations Support Center personnel as available.	To provide guidance to complete manual accountability in the event the security system fails.
20.	New Data Sheet 2, Step 2.0, Removed instructions for relocating assembly areas if dose rates exceed 100 mrem/hr.	This information is contained in habitability sections of procedures 0ERP01-ZV-SH02, Acting Radiological Manager, and 0ERP01-ZV-TS04, Radiological Manager.
21.	New Data Sheet 2, Step 3.0, Removed instructions for implementing procedure 0ERP01ZVIN05.	These instructions are contained in procedure 0ERP01ZVIN05, Step 4.5 & 5.7

- END -

Summary of Changes for
Shift Supervisor
0ERP01-ZV-SH01, Rev. 13

This revision does not reduce the effectiveness nor change the intent of the procedure as described within the Emergency Plan.

Editorial clarification changes are as follows:

- Changed procedure Usage from Referenced to N/A to comply with 0PGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide.

- Step 4.6 changed Data Sheet 6 of 0ERP01-ZV-TS01, TSC Manager to Data Sheet 2.

- Data Sheet 3, Step A.4, changed "is allowed during accountability" to "is allowed by evacuees".

- Data Sheet 4, Step A.4, changed "is allowed during accountability" to "is allowed by evacuees".

- Global revision, ALNOR changed to Electronic Dosimeter on pages 20, 26, 27, & 32.

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1.0 Purpose and Scope

1.1 This procedure describes the actions necessary to perform assembly and accountability for the Protected Area.

1.2 This procedure implements the requirements of the South Texas Project Electric Generating Station (STPEGS) Emergency Plan specific to Assembly and Accountability.

1.3 This procedure is to be implemented whenever a situation occurs in which verification of the location and safety of personnel within the Protected Area is necessary.

1.4 This procedure may be implemented at any time under the authority of the Emergency Director, and is required to be implemented for a Site Area or General Emergency.

2.0 Definitions

2.1 ASSEMBLY AREA COORDINATOR: Employee(s) designated to control a specific assembly area. Assembly Area Coordinators are identified in Addendum 1, Assembly Areas and Coordinators.

2.2 PROTECTED AREA: The area within the physical barrier surrounding the power block of Unit One and Unit Two to which access is controlled.

3.0 Precautions and Limitations

3.1 Accountability shall be completed within 30 minutes of sounding the assembly alarm. (CR 90-518)

3.2 Visitors in the Protected Area shall remain the responsibility of their escort during assembly and accountability. Escorts assigned responsibilities as part of the Emergency Response Organization may re-assign visitors to other qualified escorts.

3.3 In the event accountability cardreaders or the security system fails, accountability shall be completed manually.

4.0 Responsibilities

4.1 The Shift Supervisor is responsible for ensuring implementation of this procedure until the Technical Support Center assumes command and control.

4.2 The TSC Manager is responsible for ensuring implementation of this procedure, once the TSC assumes command and control.

4.2.1 The TSC Manager is responsible for the overall coordination during search and rescue activities.

4.3 The Assistant TSC Manager is responsible for the overall coordination of this procedure and the tracking of activities to ensure all actions are completed.

4.4 The Control Room Onsite Communicator or Security Communicator are responsible to make the page announcements to initiate accountability.

4.5 The Security Manager is responsible for developing the list of personnel not accounted for, and ensuring the public address announcements relative to assembly and accountability are made.

4.5.1 The Acting Security Manager is responsible for Security Manager activities until the Technical Support Center is activated.

4.6 The Radiological Manager is responsible for verifying habitability of assembly areas if the emergency is complicated by radiological conditions, and for determining assembly routes.

4.6.1 The Acting Radiological Manager is responsible for Radiological Manager activities until the Technical Support Center is activated.

4.7 The Radiological Manager is responsible for recommending activation of a reception center if evacuating personnel may become contaminated.

4.8 Protected Area Assembly Area Coordinators are responsible for ensuring all personnel within their assembly area card in on the accountability cardreaders or if necessary completing manual accountability.

5.0 Procedure

5.1 If a Site Area or General Emergency is declared, or a situation occurs in which verification of location and safety of personnel within the Protected Area is necessary, then implement assembly and accountability unless assembly would place personnel in a more hazardous situation. This may include a fire near an assembly area, a severe weather situation in which movement of people would be hazardous, or an ongoing Security threat.

5.2 Personnel performing work activities when the assembly alarm sounds shall immediately proceed to an assembly area via a designated route unless terminating the work will put the plant in an unsafe condition, result in a personnel hazard, or the individual is part of an assigned emergency response activity. For these situations, accountability shall be performed through contact with Security or the Operations Support Center via radio or telephone.

5.3 Personnel working in the Radiologically Controlled Area (RCA) shall report to the 41' RCA Access Control Point. Personnel shall then exit the RCA using normal contamination control methods, log out of the RCA and card in on the accountability cardreader. If arrival at the assembly area will require more than 20 minutes, then contact Security.

5.4 Security Manager, implement Data Sheet 1, Security Manager Checklist.

5.4.1 If the accountability cardreaders or security system fails, then implement manual accountability.

5.4.1.1 Initiate a Sweep inside the Protected Area.

5.5 If the Technical Support Center is not activated, the Acting Security Manager shall implement steps 5-9 of Data Sheet 1, Security Manager Checklist.

5.6 Radiological Manager, implement Data Sheet 2, Radiological Manager Checklist.

5.7 TSC Manager, implement Data Sheet 3, TSC Manager Checklist.

5.8 Protected Area Assembly Area Coordinators should ensure that personnel promptly card in and remain in their assembly area until accountability is complete or logged out of an area with an intended destination.

5.8.1 Ensure all personnel assembled inside the Protected Area sign-in on Form 2, Manual Accountability.

5.8.2 Forward completed Form 2, Manual Accountability within 20 minutes to the Security Force Supervisor.

6.0 References

6.1 STPEGS Emergency Plan

6.2 0PGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide

6.3 0ERP01-ZV-IN05, Site Evacuation

6.4 CR 90-518, NRC Inspection Report 90-10-05 LCTS 9000791-936

7.0 Support Documents

7.1 Addendum 1, Assembly Areas and Coordinators

7.2 Data Sheet 1, Security Manager Checklist

7.3 Data Sheet 2, Radiological Manager Checklist

7.4 Data Sheet 3, TSC Manager Checklist

7.5 Form 1, Missing Persons

7.6 Form 2, Manual Accountability

	ASSEMBLY GROUP	ASSEMBLY AREA	ASSEMBLY AREA COORDINATOR	TELEPHONE NUMBER	ACCOUNTABILITY METHOD
1.	Personnel exiting RCA	41ft RCA Access Control Point	HP Supervisor/ Designee	6347 (U1) 6339 (U2)	Accountability Cardreader
2.	Assigned Control Room Personnel	Control Room	Shift Supervisor	8614 (U1) 7953 (U2)	Accountability Cardreader
3.	TSC Staff	TSC	Security Manager	8826 (U1) 8721 (U2)	Accountability Cardreader
4.	OSC Staff	OSC	OSC Coordinator	8899	Accountability Cardreader
5.	Security Personnel	Security Duty Stations	Security Force Supervisor	7143	Report to CAS/SAS Phone or Radio
6.	ERO Personnel	Maintenance Operations Facility (MOF) Gator Grill	As Assigned by the OSC Coordinator	6122 6574	Accountability Cardreader
7.	Personnel exiting East Gatehouse	Nuclear Support Center (NSC)	Designated by the Emergency Communications Directory	Designated by the Emergency Communications Directory	N/A
8.	Personnel exiting West Gatehouse	Central Processing Facility (CPF) Bldg. 5	Designated by the Emergency Communications Directory	Designated by the Emergency Communications Directory	N/A

(Name) (Date) (Unit)

Action **Time**

NOTE

The Acting Security Manager is responsible for completing steps 5-9 of the Security Manager Checklist until the Technical Support Center is activated.

1.0 Determine wind direction locally or from the Radiological Manager _____

2.0 Sound the assembly alarm for about 15 seconds and make the following announcement: _____

ATTENTION, ATTENTION, ASSEMBLY AND ACCOUNTABILITY HAS BEEN ORDERED FOR ALL PERSONNEL IN THE PROTECTED AREA. ALL EMERGENCY RESPONSE ORGANIZATION PERSONNEL REPORT TO YOUR EMERGENCY RESPONSE FACILITY AND IMMEDIATELY CARD-IN ON ACCOUNTABILITY CARDREADERS. ALL OTHER PERSONNEL EXIT THE PROTECTED AREA VIA THE FOLLOWING ROUTE:

(Read one of the following as determined by wind direction)

[Wind direction: 000-90] PERSONNEL SHOULD GO NORTH OF UNITS 1 AND 2 AND EXIT THE EAST GATEHOUSE, AND ASSEMBLE IN THE NUCLEAR SUPPORT CENTER. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES.

OR

[Wind direction: 91-180] PERSONNEL SHOULD GO SOUTH OF UNITS 1 AND 2 AND EXIT THE EAST GATEHOUSE, AND ASSEMBLE IN THE NUCLEAR SUPPORT CENTER. NO EATING, DRINKING SMOKING, OR CHEWING IS ALLOWED BY EVACUEES.

OR

[Wind direction: 181-270] PERSONNEL SHOULD GO SOUTH OF UNITS 1 AND 2 AND EXIT THE WEST GATEHOUSE, AND ASSEMBLE IN THE CENTRAL PROCESSING FACILITY. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES

Action **Time**

OR

[Wind direction: 271-359] PERSONNEL SHOULD GO NORTH OF UNITS 1 AND 2 AND EXIT THE WEST GATEHOUSE, AND ASSEMBLE IN THE CENTRAL PROCESSING FACILITY. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES

3.0 Repeat the assembly alarm and announcement. _____

4.0 Approximately every 5 minutes repeat the assembly alarm and announcement until accountability is complete. _____

5.0 IF the Security Computer System fails, THEN initiate a Protected Area Sweep to ensure all personnel are complying with the assembly and accountability announcement, use Operations Support Center personnel as available.

6.0 Verify that Protected Area Assembly Area Coordinators have arrived at the assembly areas in accordance with Addendum 1, and that personnel are processing through the accountability cardreaders. If, the accountability cardreaders or security system failed, then implement manual accountability using Form 2. Notify each assembly area coordinator. Inform the Assistant TSC Manager (or Shift Supervisor) when completed. _____

7.0 Halt ingress to the East and West Gatehouses until assembly and accountability is completed, except for Emergency Response Organization (ERO) personnel, NRC, or as approved by the Emergency Director. Inform the Assistant TSC Manager (or Shift Supervisor) when completed. _____

8.0 Approximately 20 minutes after the sounding of the assembly alarm, contact the Security Force Supervisor and request a list of any missing persons using Form 1. _____

9.0 When appropriate, and if necessary return East and/or West Gatehouse portal radiation monitors to normal operating conditions with assistance from Radiation Protection. Inform the Assistant TSC Manager (or Shift Supervisor) when completed. _____

(Name) (Date) (Unit)

Action **Time**

NOTE

The Acting Radiological Manager is responsible for completion of the Radiological Manager Checklist until the Technical Support Center is activated.

1.0 If assembly and accountability radiation protection coverage is required, then dispatch technician(s) to the appropriate Gatehouse to monitor exiting personnel. _____

2.0 If the event involves radiological problems, then verity habitability of the assembly areas. Inform the Assistant TSC Manager (or Shift Supervisor) when completed. _____

3.0 IF the Radiological Director is unavailable AND a site evacuation is planned after assembly and accountability, implement appropriate steps in procedure 0ERP01-ZV-IN05, Site Evacuation _____

- END -

_____ (Name) _____ (Date) _____ (Unit)

Action **Time**

NOTE

The Shift Supervisor is responsible for completion of the TSC Manager Checklist until the Technical Support Center is activated.

1.0 Review Form 1, Missing Persons with the Radiological Manager, Security Manager, and Assistant TSC Manager (Security Force Supervisor if TSC not activated) and determine the next actions to take, including:

1.1 Making PA announcements requesting callback from the missing person(s). _____

1.2 Requesting information from personnel at the assembly areas concerning the missing person(s). _____

1.3 Dispatching search and rescue teams. Direct TSC personnel to implement the search and rescue section of their procedures. _____

2.0 Continue to coordinate the effort to locate all missing person(s) until compete. _____

3.0 Implement 0ERP01-ZV-IN05, Site Evacuation, as appropriate for conditions. _____

- END -

To be completed by Security and provided to the TSC Manager (or Shift Supervisor) within 30 minutes of sounding the assembly alarm.

The following persons are considered Missing Persons:

BADGE #	NAME	LAST LOCATION	ASSEMBLY ARE CHECKED

Completed by: _____
(Name / Title)

Date: _____ Time: _____

Assembly Area: _____ Date: _____

If the cardreader fails, then the Assembly Area Coordinators within the Protected Area complete this Form within 20 minutes of sounding the assembly alarm and provide it to the Security Force Supervisor.

The following personnel are accounted for: Page _____ of _____

NAME	BADGE NUMBER

Completed by: _____
Assembly Area Coordinator

When competed, this record shall be retained in accordance with the Document Type List (DTL)

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1.0 Purpose and Scope

1.1 This procedure specifies the actions to be completed by the Shift Supervisor in the Control Room during a declared emergency.

2.0 Responsibilities

2.1 The Shift Supervisor of the affected Unit is responsible for:

2.1.1 Recognizing, classifying and declaring the emergency.

2.1.2 Assuming the responsibilities and authorities of the Emergency Director until relieved by the TSC Manager or EOF Director.

2.1.3 Completing notifications and Protective Action Recommendations (PARs) to offsite agencies until relieved of Emergency Director responsibility and authority.

2.1.4 Directing initial onsite emergency response activities.

2.1.5 Monitoring plant conditions for changes in emergency action levels (EALs) and emergency classification.

2.1.6 Directing Control Room response to mitigate the emergency condition.

2.1.7 Approving departures from license conditions per 10CFR50.54(x) for Control Room Operator actions and equipment manipulations.

2.1.8 Directing notification of the Emergency Response Organization (ERO), until relieved of Emergency Director responsibility and authority.

2.1.9 Approving, or delegating approval of, press releases prior to issuance until relieved of Emergency Director responsibility and authority.

2.2 The Shift Supervisor of the unaffected Unit is responsible for:

2.2.1 Assuming the responsibilities and authority of Emergency Director if the Shift Supervisor of the affected Unit is unable to assume or continue to perform the duties of the Emergency Director.

2.3 The Unit 1 Shift Supervisor is responsible for:

2.3.1 Assuming the responsibilities and authorities of Emergency Director for events common to both Units.

3.0 References

3.1 STPEGS Emergency Plan

3.2 0ERP01-ZV-IN01, Emergency Classification

3.3 0ERP01-ZV-IN02, Notifications to Offsite Agencies

3.4 0ERP01-ZV-IN03, Emergency Response Organization Notification

3.5 0ERP01-ZV-IN04, Assembly and Accountability

3.6 0ERP01-ZV-IN05, Site Evacuation

3.7 0ERP01-ZV-TS01, TSC Manager

3.8 0ERP01-ZV-RE02, Documentation

3.9 0POP04-ZO-0004, Personnel Emergencies

3.10 0POP02-HE-0002, Technical Support Center HVAC System

3.11 0PGP09-ZA-0002, Fitness for Duty Program

3.12 0ERP01-ZV-TP03, Severe Accident Management

3.13 NRC Inspection Report 90-10-03 (LCTS #9000789-936)

4.0 Procedure

4.1 If an Unusual Event or higher emergency classification is declared, implement the appropriate checklist (1, 2, 3, or 4) based on the emergency classification declared. Use these checklists as guides to help direct emergency activities.

4.2 If the emergency classification changes, then terminate completion of the current checklist and initiate a new checklist (2, 3, 4, or 5) based on the new emergency classification.

4.3 Request a licensed Reactor Operator from the unaffected Unit (if available) be dispatched to assist.

4.4 Assume the responsibilities and authorities of the Emergency Director. The Emergency Director is responsible for making certain key decisions and ensuring their implementation. The responsibilities which CANNOT be delegated include:

4.4.1 Declaring a new emergency classification.

4.4.2 Approving Protective Action Recommendations (PARs) issued to State and County authorities.

4.4.3 Approving required notifications to the State and County.

4.4.4 Approving exposures in excess of 10CFR20 limits and authorizing the use of Potassium Iodide (KI).

4.4.5 Approving departure from license conditions per 10CFR50.54(x).

4.4.6 Declaring entry into Severe Accident Management Guidelines.

4.5 The following Emergency Director responsibilities and authorities MAY be delegated:

4.5.1 Requesting federal assistance.

4.5.2 Approving press releases prior to issuance.

4.5.3 Approving commitments to the NRC.

4.5.4 Approving required communications with the NRC.

4.6 Upon arrival of the TSC Manager or EOF Director, provide a turnover briefing per 0ERP01-ZV-TS01, Data Sheet 2, Emergency Director Turnover Briefing.

4.7 When Emergency Director responsibilities have been transferred to the TSC Manager or EOF Director, then the Shift Supervisor shall perform the following:

4.7.1 Keep the Emergency Director informed of any plant conditions which could change the EAL or PARs.

4.7.2 Provide ongoing assessment and interface with the Operations Manager, including recommending priorities for repair activities.

4.7.3 Approve departure from license conditions per 10CFR50.54(x) for Control Room Operator actions and equipment manipulations.

5.0 Support Documents

5.1 Addendum 1 - Initial Protective Action Recommendation Flowchart

5.2 Addendum 2 - Core/Containment Status Table

5.3 Addendum 3 - Radiological Release Table

5.4 Addendum 4 - Protective Response Zones

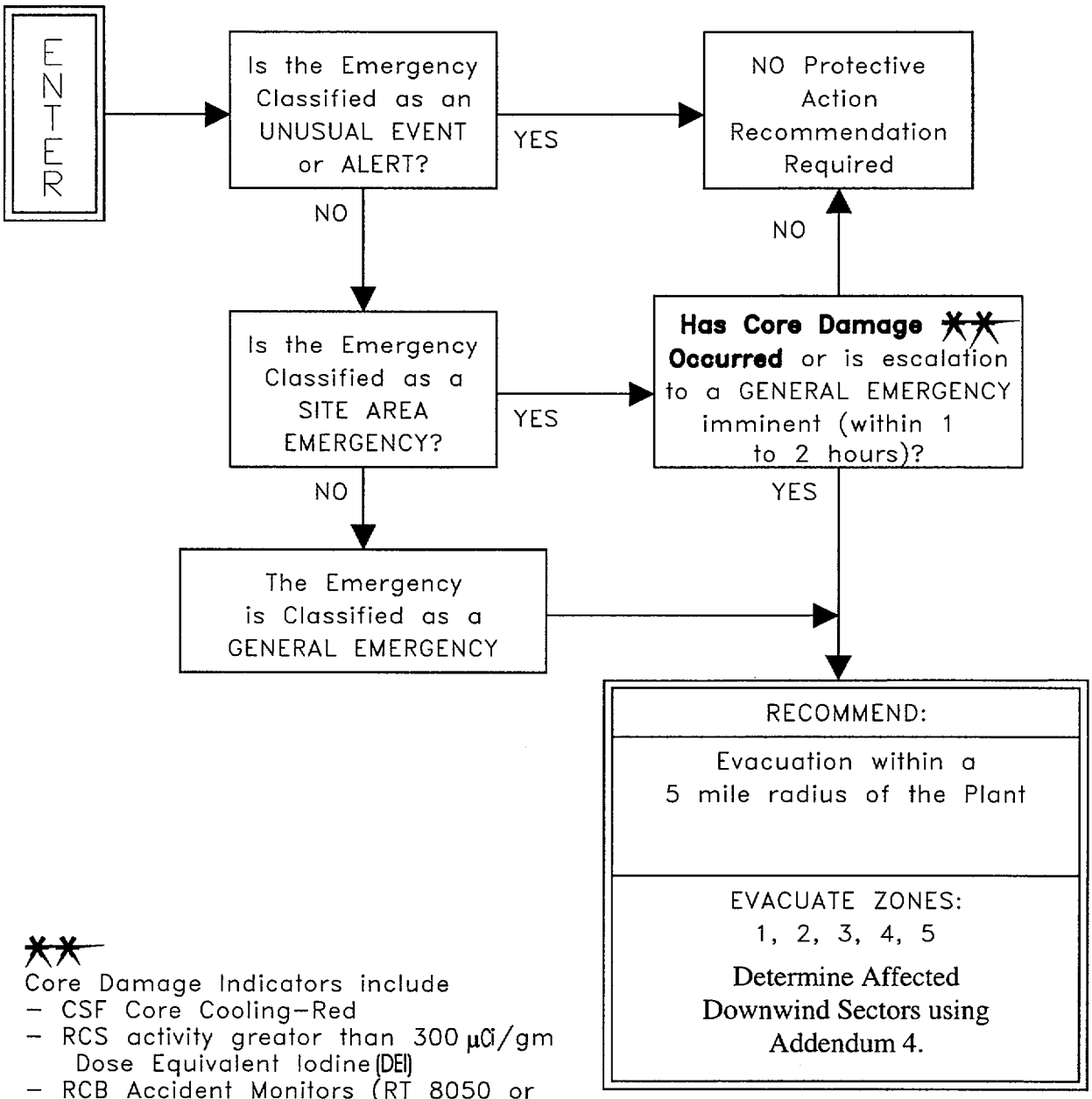
5.5 Data Sheet 1 - Unusual Event Checklist

5.6 Data Sheet 2 - Alert Checklist

5.7 Data Sheet 3 - Site Area Emergency Checklist

5.8 Data Sheet 4 - General Emergency Checklist

5.9 Data Sheet 5 - Termination Checklist



**
Core Damage Indicators include
- CSF Core Cooling–Red
- RCS activity greator than 300 µCi/gm Dose Equivalent Iodine (DEI)
- RCB Accident Monitors (RT 8050 or RT 8051) greater than 100R/hr
- Failed Fuel Monitor (RT 8039) equal to or greater than 870 µCi/ml

ENTRY REQUIREMENTS: GENERAL EMERGENCY AND A RADIOLOGICAL RELEASE IS NOT IN PROGRESS

CONTAINMENT HIGH RANGE RADIATION MONITOR (RT-8050, 8051)	CONTAINMENT PRESSURE	PROTECTIVE ACTION RECOMMENDATIONS
		EVACUATION
Less Than 50 R/hr	N/A	2 Mile Radius
50 R/hr to 100 R/hr	< 20 psig	
	≥ 20 psig	5 Mile Radius
>100 R/hr to 5,000 R/hr	< 40 psig	
	≥ 40 psig	10 Mile Radius
> 5,000 R/hr	< 20 psig	5 Mile Radius
	≥ 20 psig	10 Mile Radius

ENTRY REQUIREMENTS: SITE AREA EMERGENCY OR GENERAL EMERGENCY WITH A RADIOLOGICAL RELEASE IN PROGRESS

(Below List in order of preference based on available data)

CONDITION	PROTECTIVE ACTION EVACUATE
I. DOSE RATES MEASURED AT PLUME CENTERLINE ON EXCLUSION AREA BOUNDARY a. <100 mr/hr b. 100 mr/hr to 1000 mr/hr c. >1000 mr/hr	a. None (Site Area Emergency) Two mile radius (General Emergency) b. Two mile radius and zones in affected downwind sectors to 5 miles c. Five mile radius and zones in affected downwind sectors to 10 miles
II. PROJECTED DOSES (For Short Duration Puffs only < 30 min a. Projected doses < PAG (1 rem TEDE or 5 rem Thyroid CDE) b. Projected doses ≥ PAG (1 rem TEDE or 5 rem Thyroid CDE))	a. None (Site Area Emergency) Two mile radius (General Emergency) b. Two mile radius and zones in any sector projected to exceed PAG
III. PROJECTED DOSES BEYOND EXCLUSION AREA BOUNDARY a. Projected doses < PAG (1 rem TEDE or 5 rem Thyroid CDE) b. Projected doses ≥ PAG 0-5 miles (1 rem TEDE or 5 rem Thyroid CDE) c. Projected doses ≥ PAG 5-10 miles (1 rem TEDE or 5 rem Thyroid CDE) d. Projected doses ≥ PAG at greater than 10-miles and dose projection is supported by field team measurements (1 rem TEDE or 5 rem Thyroid CDE)	a. None (Site Area Emergency) Two mile radius (General Emergency) b. Two mile radius and zones in affected downwind sectors to 5 miles c. Five mile radius and zones in affected downwind sectors to 10 miles d. Ten mile radius and affected downwind sectors in 2-mile increments until PAG is not exceeded.
IV. RELEASE RATES a. < EAL for Site Area Emergency (SAE) b. ≥ EAL for Site Area Emergency (SAE)* c. ≥ EAL for General Emergency	a. None (Site Area Emergency) b. Two mile radius (optional for SAE) c. Five mile radius and zones in affected downwind sectors to 10 miles
V. DEFAULT VALUES a. Site Area Emergency with NO core damage b. Site Area Emergency with core damage c. General Emergency	a. None b. Five mile radius c. Five mile radius

* Complete dose projections to verify General Emergency EALs (1 Rem TEDE/5 Rem Thyroid CDE) are not exceeded.

AFFECTED ZONES: Determine affected downwind sectors and protective response zones and enter onto 0ERP01-ZV-IN02, Data Sheet 1, Offsite Agency Notification Message Form.

TWO MILE RADIUS: PROTECTIVE RESPONSE ZONES: 1

FIVE MILE RADIUS: PROTECTIVE RESPONSE ZONES: 1, 2, 3, 4, 5

TEN MILE RADIUS: PROTECTIVE RESPONSE ZONES: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

DIRECTION WIND FROM(°)	AFFECTED DOWNWIND SECTORS	PROTECTIVE RESPONSE ZONES	
		2-5 Miles (includes 1-mile radius)	5-10 Miles (includes 5-mile radius)
164-174	Q, R, A, B	1, 2, 5	1, 2, 3, 4, 5, 6, 10, 11
175-185	R, A, B	1, 2	1, 2, 3, 4, 5, 6, 11
186-196	R, A, B, C	1, 2	1, 2, 3, 4, 5, 6, 11
197-208	A, B, C	1, 2	1, 2, 3, 4, 5, 6, 11
209-219	A, B, C, D	1, 2	1, 2, 3, 4, 5, 6, 11
220-230	B, C, D	1, 2	1, 2, 3, 4, 5, 6
231-241	B, C, D, E	1, 2, 3	1, 2, 3, 4, 5, 6, 7
242-253	C, D, E	1, 2, 3	1, 2, 3, 4, 5, 6, 7
254-264	C, D, E, F	1, 2, 3	1, 2, 3, 4, 5, 6, 7
265-275	D, E, F	1, 2, 3	1, 2, 3, 4, 5, 6, 7
276-286	D, E, F, G	1, 2, 3	1, 2, 3, 4, 5, 6, 7
287-298	E, F, G	1, 3	1, 2, 3, 4, 5, 7
299-309	E, F, G, H	1, 3	1, 2, 3, 4, 5, 7, 8
310-320	F, G, H	1, 3	1, 2, 3, 4, 5, 7, 8
321-331	F, G, H, J	1, 3	1, 2, 3, 4, 5, 7, 8
332-343	G, H, J	1	1, 2, 3, 4, 5, 7, 8
344-354	G, H, J, K	1	1, 2, 3, 4, 5, 7, 8, 9
355-5	H, J, K	1	1, 2, 3, 4, 5, 8, 9
6-16	H, J, K, L	1	1, 2, 3, 4, 5, 8, 9
17-28	J, K, L	1	1, 2, 3, 4, 5, 8, 9
29-39	J, K, L, M	1, 4	1, 2, 3, 4, 5, 8, 9
40-50	K, L, M	1, 4	1, 2, 3, 4, 5, 8, 9
51-61	K, L, M, N	1, 4, 5	1, 2, 3, 4, 5, 8, 9, 10
62-73	L, M, N	1, 4, 5	1, 2, 3, 4, 5, 9, 10
74-84	L, M, N, P	1, 4, 5	1, 2, 3, 4, 5, 9, 10
85-95	M, N, P	1, 4, 5	1, 2, 3, 4, 5, 9, 10
96-106	M, N, P, Q	1, 4, 5	1, 2, 3, 4, 5, 9, 10, 11
107-118	N, P, Q	1, 5	1, 2, 3, 4, 5, 9, 10, 11
119-129	N, P, Q, R	1, 5	1, 2, 3, 4, 5, 9, 10, 11
130-140	P, Q, R	1, 5	1, 2, 3, 4, 5, 10, 11
141-151	P, Q, R, A	1, 2, 5	1, 2, 3, 4, 5, 10, 11
152-163	Q, R, A	1, 2, 5	1, 2, 3, 4, 5, 10, 11

_____ _____ _____

(Name) (Date) (Unit)

Action **Time**

A. INITIAL ACTIONS

1. Announce to Control Room personnel the declaration of an **Unusual Event** and the assumption of Emergency Director responsibilities by the Shift Supervisor. _____

2. Ensure the following announcement (or similar announcement) is made over the public address system using the **Unit Override** button: _____

   (READ SLOWLY) "ATTENTION ALL PERSONNEL; ATTENTION ALL PERSONNEL. AN UNUSUAL EVENT HAS BEEN DECLARED IN UNIT(S) ___. ALL PERSONNEL SHOULD CONTINUE WITH THEIR NORMAL DUTIES UNLESS ASSIGNED EMERGENCY RESPONSE ACTIONS FOR AN UNUSUAL EVENT." (Optional: Give brief description of the event).

   _____

   _____

   _____

   _____

   _____

   (Repeat the announcement.)

3. Direct the Control Room Communicators or available personnel to complete the required notifications as described in 0ERP01-ZV-IN02, Notifications to Offsite Agencies. N/A

   a. No PARs are required for an Unusual Event.

   b. State/County shall be contacted within 15 minutes of declaration of the Unusual Event to make emergency notifications.

Action **Time**

c. **NRC** notification **shall be made immediately upon completion of State/County notification and no later than one hour after declaring the Unusual Event.** If more than one Communicator is available, NRC notification may be made concurrently with State/County notification.

4. Ensure that the following on-shift personnel have responded to their emergency duty station or have contacted the Control Room and are available to respond if needed: _____

- Onsite Communicator (Control Room)
- State/County Communicator (Control Room)
- ENS Communicator (Control Room)
- Acting Radiological Manager
- Shift Technical Advisor (Control Room)
- Acting OSC Coordinator
- Acting Security Manager

5. Direct the Onsite Communicator to notify select management personnel of the declaration of an Unusual Event in accordance with 0ERP01-ZV-IN03, Emergency Response Organization Notification. _____

6. Contact the Duty Operations Manager and brief him on the situation. _____

7. Contact the Duty Plant Manager and brief him on the situation. _____

8. Contact the Energy Control and Dispatching Center (ECDC) Dispatcher and advise her/him of the nature of the emergency. _____

Action	Time
9. Initiate an Emergency Action Log.	N/A
10. If conditions could deteriorate to an Alert or higher emergency classification, then direct the notification of the Emergency Response Organization in accordance with 0ERP01-ZV-IN03, Emergency Response Organization Notification.	_____
11. If any of the following conditions exist, then consider establishing the OSC: • In-plant radiological conditions are deteriorating; • Search and rescue efforts are necessary; • Security threat is in progress; • Offsite chemical plant release occurs which may impact site operations; • Vital equipment in the plant is in a degraded condition; • Shift Supervisor judgment.	_____

A. SPECIAL ACTIONS TO BE IMPLEMENTED AS NEEDED

1. Early Dismissal of Non-Essential Personnel

a. Consider **early** dismissal of non-essential personnel for the following conditions: • The event is declared due to radiological problems and the condition could worsen. • A Security event is in progress and removal of personnel from the site would facilitate the ability of Security to respond. • Notification of severe weather has been received which could impact the safety of personnel onsite. • Notification of an incident at a nearby chemical facility has been received that could impact the site.	N/A

Action **Time**

- An orderly shutdown of activities and movement of personnel offsite is warranted.
- A situation which has a significant potential to develop into unsafe or hazardous conditions onsite exists.

b. Discuss with the Duty Operations Manager the advisability of conducting early dismissal. _____

c. If early dismissal of non-essential personnel in the Protected Area is determined appropriate, then make the following announcement: _____

(READ SLOWLY) "ATTENTION ALL PERSONNEL; ATTENTION ALL PERSONNEL. THE EMERGENCY DIRECTOR HAS ORDERED THE EARLY DISMISSAL OF ALL NON-ESSENTIAL PERSONNEL. ALL NON--ESSENTIAL PERSONNEL SHALL SECURE THEIR WORK AREA, INFORM THEIR SUPERVISOR OF JOB STATUS, AND EXIT THE SITE UNLESS DIRECTED OTHERWISE BY SUPERVISION. MONITOR LOCAL RADIO BROADCASTS FOR ADDITIONAL INFORMATION."

(Repeat the announcement.)

d. If early dismissal of non-essential personnel in the Owner Controlled Area is determined appropriate, then contact the Security Force Supervisor (Acting Security Manager) and request notification of personnel in the Owner Controlled Area. _____

2. Assembly and Accountability

a. Implement 0ERP01-ZV-IN04, Assembly and Accountability. _____

Action	Time
b. IF the OSC has been activated, THEN instruct Plant Operators that have not been assigned tasks to proceed to the OSC for accountability and remain there to support OSC operations.	_____
c. If persons are determined to be missing as a result of performing Assembly and Accountability, then contact the Duty Maintenance Supervisor (Acting OSC Coordinator) and provide names and last known locations of the missing persons. Direct the Duty Maintenance Supervisor (Acting OSC Coordinator) to form and dispatch Search and Rescue teams.	_____
3. Site Evacuation	
a. Implement 0ERP01-ZV-IN05, Site Evacuation.	_____
4. Personnel Emergencies	
a. Implement 0POP04-ZO-0004, Personnel Emergencies.	LOG
5. Potential for Radiological Release Occurring or Imminent	
a. Place the affected Unit's TSC HVAC System in emergency/isolation mode or verify automatic transfer has occurred using 0POP02-HE-0002, TSC HVAC System.	_____
b. Contact unaffected Unit's Shift Supervisor and recommend placing the unaffected Unit's TSC HVAC in emergency/isolation mode.	_____
6. Toxic Gas/Chemical Release from Nearby Chemical Facilities	
a. If time permits, then initiate 0ERP01-ZV-IN04, Assembly and Accountability and 0ERP01-ZV-IN05, Site Evacuation.	_____

Action	Time
b. Otherwise, announce over the public address system for all personnel to seek shelter in buildings and turn off ventilation systems. Repeat the announcement. Direct the Security Force Supervisor (Acting Security Manager) to warn personnel outside the Protected Area.	_____
B. ONGOING ACTIONS	
1. Continuously assess plant conditions against 0ERP01-ZV-IN01, Emergency Classification, to determine if changes to the current emergency classification are warranted.	N/A
2. Evaluate the need for continued staffing of ERO positions and release unnecessary personnel to return to normal duties.	N/A
3. Maintain an Emergency Action Log.	N/A
4. Review and approve press releases as applicable.	LOG

-END-

_____ (Name) _____ (Date) _____ (Unit)

Action **Time**

A. INITIAL ACTIONS

1. Announce to Control Room personnel the declaration of an **Alert** and the continuation (or assumption) of Emergency Director responsibilities by the Shift Supervisor. _____

2. Ensure the following announcement (or a similar announcement) is made over the public address system using the **Unit Override** button: _____

   (READ SLOWLY) "ATTENTION ALL PERSONNEL; ATTENTION ALL PERSONNEL. AN ALERT HAS BEEN DECLARED IN UNIT(S) ___. ALL DESIGNATED MEMBERS OF THE EMERGENCY RESPONSE ORGANIZATION REPORT TO YOUR FACILITY. ALL OTHER PERSONNEL ARE TO CONTINUE WITH THEIR NORMAL DUTIES UNLESS FURTHER INSTRUCTIONS ARE GIVEN." (Optional: Give brief description of the event.)

   _____
   _____
   _____
   _____
   _____

   (Repeat the announcement.)

Action		Time
3.	Direct the Control Room Communicators or available personnel to complete the required notifications as described in 0ERP01-ZV-IN02, Notifications to Offsite Agencies.	N/A
	a. No PARs are required for an Alert.	
	b. **State/County shall be contacted within 15 minutes of the declaration of the Alert to make emergency notifications.**	
	c. **NRC notification shall be made immediately upon completion of State/County notification and not later than one hour after declaring the Alert.** If more than one Communicator is available, NRC notification may be made concurrently with State/County notification.	
	d. **Activate** Emergency Response Data System (ERDS) at the time the NRC Operations Center is notified of the Alert.	
4.	Contact the Alarm Station Operator at extension 6042 to verify Emergency Notification and Response System activation.	_____
5.	Contact the Duty Operations Manager and brief him on the situation.	_____
6.	Contact the Duty Plant Manager and brief him on the situation.	_____
7.	Contact the Energy Control and Dispatching Center (ECDC) Dispatcher and advise her/him of the nature of the emergency.	_____

Action **Time**

8. Ensure that the following on-shift personnel have responded to their emergency duty station: _____

- Onsite Communicator (Control Room)
- State/County Communicator (Control Room)
- ENS Communicator (Control Room)
- Shift Technical Advisor (Control Room)
- Acting Radiological Manager
- Acting OSC Coordinator
- Acting Security Manager

B. SPECIAL ACTIONS TO BE IMPLEMENTED AS NEEDED

1. Early Dismissal of Non-Essential Personnel

a. Consider early dismissal of non-essential personnel for the following conditions: N/A

- The event is declared due to radiological problems and the condition could worsen.
- A Security event is in progress and removal of personnel from the site would facilitate the ability of Security to respond.
- Notification of severe weather has been received which could impact the safety of personnel onsite.
- Notification of an incident at a nearby chemical facility has been received that could impact the site.
- An orderly shutdown of activities and movement of personnel offsite is warranted.
- A situation with a significant potential to develop into unsafe or hazardous conditions exists onsite.

Action **Time**

b. Discuss with the Duty Operations Manager the advisability of conducting early dismissal. _____

c. If early dismissal of non-essential personnel in the Protected Area is determined appropriate, then make the following announcement: _____

(Read Slowly) "ATTENTION ALL PERSONNEL; ATTENTION ALL PERSONNEL. THE EMERGENCY DIRECTOR HAS ORDERED THE EARLY DISMISSAL OF ALL NON-ESSENTIAL PERSONNEL. ALL NON--ESSENTIAL PERSONNEL SHALL SECURE THEIR WORK AREA, INFORM THEIR SUPERVISOR OF JOB STATUS, AND EXIT THE SITE UNLESS DIRECTED OTHERWISE BY SUPERVISION. MONITOR LOCAL RADIO BROADCASTS FOR ADDITIONAL INFORMATION."

(Repeat the Announcement)

d. If early dismissal of non-essential personnel in the Owner Controlled Area is determined appropriate, then contact the Security Force Supervisor (Acting Security Manager) and request notification of personnel in the Owner Controlled Area. _____

2. Assembly and Accountability

a. Implement 0ERP01-ZV-IN04, Assembly and Accountability. _____

b. Instruct Plant Operators that have not been assigned tasks to proceed to the OSC for Accountability and remain there to support OSC operations. _____

Action	Time
c. If missing persons are discovered as a result of performing Assembly and Accountability, then contact the Duty Maintenance Supervisor (Acting OSC Coordinator) and provide names and last known locations of the missing persons. Direct the Duty Maintenance Supervisor (Acting OSC Coordinator) to form and dispatch Search and Rescue teams.	_____
3. Site Evacuation	
a. Implement 0ERP01-ZV-IN05, Site Evacuation.	_____
4. Personnel Emergencies	
a. Implement 0POP04-ZO-0004, Personnel Emergencies.	LOG
5. Radiological Release Occurring or Imminent	
a. Place the affected Unit's TSC HVAC System in emergency/isolation mode or verify automatic transfer has occurred using 0POP02-HE-0002, TSC HVAC System.	_____
b. Contact the Unit's Shift Supervisor and recommend placing the unaffected Unit's TSC HVAC in emergency/isolation mode.	_____
c. Direct all Plant Operators to report to the 41'RCA Access Control Point and obtain an electronic dosimeter.	_____
d. Direct the Dose Assessment Specialist in the EOF to perform dose projections. If the Dose Assessment Specialist is not available, then direct the Acting Radiological Manager to perform dose projections.	_____

Action	Time
6. Toxic Gas/Chemical Release from Nearby Chemical Facilities	
a. If time permits, then initiate 0ERP01-ZV-IN04, Assembly and Accountability and 0ERP01-ZV-IN05, Site Evacuation.	_____
b. Otherwise, announce over the public address system for all personnel to seek shelter in buildings and turn off ventilation systems. Repeat the announcement. Direct the Security Force Supervisor (Acting Security Manager) to warn personnel outside the Protected Area.	_____
C. ONGOING ACTIONS	
1. Continuously assess plant conditions against 0ERP01-ZV-IN01, Emergency Classification, to determine if changes to the current emergency classification are warranted.	N/A
2. Evaluate the adequacy of the current Operations staffing and request assistance from the unaffected Unit and/or call out additional personnel.	N/A
3. Make periodic site public address announcements on the status of the emergency including any radiological hazard precautions. Repeat announcements.	LOG
4. Until relieved as the Emergency Director, update off-site agencies (State, County, BRC) about hourly (or more frequently if warranted) on the status of the emergency.	LOG
5. Maintain an Emergency Action Log.	N/A
6. Keep Plant Operators in the field advised of plant status and radiological conditions as applicable.	LOG
7. Review and approve press releases as applicable.	LOG

Action	Time
D. FOLLOWING EMERGENCY DIRECTOR TURNOVER TO THE TSC MANAGER OR EOF DIRECTOR	
1. Maintain ENS communications with the NRC if requested.	N/A
2. Advise the Emergency Director of conditions which may change the emergency classification.	N/A
3. Periodically brief Control Room staff of the status of the emergency and ongoing repair efforts.	N/A

-END-

_____ _____ _____
(Name) (Date) (Unit)

Action **Time**

NOTE

Continue with this checklist only if the TSC Manager or EOF Director has not assumed Emergency Director responsibilities and authorities.

A. INITIAL ACTIONS

1. Announce to Control Room personnel the declaration of a **Site Area Emergency (SAE)** and the continuation (or assumption) of Emergency Director responsibilities by the Shift Supervisor. _____

2. Make the following announcement (or similar announcement) over the public address system using the **Unit Override** button: _____

   (Read Slowly) "ATTENTION ALL PERSONNEL; ATTENTION ALL PERSONNEL. A SITE AREA EMERGENCY HAS BEEN DECLARED IN UNIT(S) ___."
   (Optional: Give brief description of the event.)

   _____
   _____
   _____
   _____
   _____

   (Repeat the announcement.)

3. If Assembly and Accountability has not been completed, then determine wind direction and implement Assembly and Accountability (Step 4). _____

Action **Time**

4. Sound the assembly alarm for about 15 seconds and make the following announcement: _____

"ATTENTION. ATTENTION. ASSEMBLY AND ACCOUNTABILITY HAS BEEN ORDERED FOR ALL PERSONNEL IN THE PROTECTED AREA. ALL EMERGENCY RESPONSE ORGANIZATION PERSONNEL REPORT TO YOUR DESIGNATED ASSEMBLY AREA AND IMMEDIATELY CARD-IN ON ACCOUNTABILITY CARDREADERS. ALL OTHER PERSONNEL EXIT THE PROTECTED AREA VIA THE FOLLOWING ROUTE:

(Read one of the following as determined by wind direction)

[Wind Direction: 000-090] PERSONNEL SHOULD GO NORTH OF UNITS 1 AND 2 AND EXIT THE EAST GATEHOUSE, AND ASSEMBLE IN THE NUCLEAR SUPPORT CENTER. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES."

OR

[Wind Direction: 091-180] PERSONNEL SHOULD GO SOUTH OF UNITS 1 AND 2 AND EXIT THE EAST GATEHOUSE, AND ASSEMBLE IN THE NUCLEAR SUPPORT CENTER. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES."

OR

[Wind Direction: 181-270] PERSONNEL SHOULD GO SOUTH OF UNITS 1 AND 2 AND EXIT THE WEST GATEHOUSE, AND ASSEMBLE IN THE CENTRAL PROCESSING FACILITY. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES."

OR

[Wind Direction: 271-359] PERSONNEL SHOULD GO NORTH OF UNITS 1 AND 2 AND EXIT THE WEST GATEHOUSE, AND ASSEMBLE IN THE CENTRAL PROCESSING FACILITY. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES."

(Repeat the assembly alarm and announcement as appropriate to ensure personnel accountability is complete).

Action **Time**

5. Direct the Control Room Communicators or available personnel to complete the required notifications as described in 0ERP01-ZV-IN02, Notifications to Offsite Agencies.

   a. **IF** time does not permit the calculation and evaluation of downwind doses OR personnel are not available to complete these calculations, **THEN** determine the Protective Action Recommendation using Addendum 1, Initial Protective Action Recommendation Flowchart. _____

   b. **IF** a radiological release has occurred, AND Offsite Prompt Dose Assessment (OPDA) is available, **THEN** obtain the Protective Action Recommendation from the printout. _____

   c. **IF** a radiological release is in progress, AND Offsite Prompt Dose Assessment (OPDA) is <u>not</u> available, **THEN** use manual dose assessment, actual field readings, or release rates to determine the Protective Action Recommendation using Addendum 3, Radiological Release Table. _____

   d. **IF** dose assessment results indicate ≥ 1 rem TEDE or ≥ 5 rem Thyroid CDE (PAGs) are exceeded at 10 miles, and field team measurements verify projected dose, **THEN** recommend evacuation of 10 mile radius and downwind sectors greater than 10-miles in 2-mile increments until PAGs are not exceeded. _____

   e. **Determine** affected downwind sectors and zones using Addendum 4, Protective Response Zones. _____

   f. **State/County shall be contacted within 15 minutes of the declaration of the SAE to make emergency notifications.** _____

   g. **NRC notification shall be made immediately upon completion of State/County notification and not later than one hour after declaring the SAE.** If more than one Communicator is available, NRC notification may be made concurrently with State/County notification. _____

   h. Activate Emergency **Response** Data System (ERDS) at the time the NRC Operations Center is notified of the Site Area Emergency, if not previously activated. _____

Action **Time**

6. IF not already accomplished, THEN contact the Alarm Station Operator at extension 6042 to verify Emergency Notification and Response System activation. _____

7. Instruct Plant Operators that have not been assigned tasks to proceed to the OSC for Accountability and remain there to support OSC operations. Ensure Plant Operators that remain under Control Room direction obtain an electronic dosimeter. _____

8. Contact the Energy Control and Dispatching Center (ECDC) Dispatcher and advise her/him of the nature of the emergency. _____

9. Verify that the following on-shift personnel have responded to their emergency duty station: _____

   - Onsite Communicator (Control Room)
   - State/County Communicator (Control Room)
   - ENS Communicator (Control Room)
   - Shift Technical Advisor (Control Room)
   - Acting Radiological Manager
   - Acting OSC Coordinator
   - Acting Security Manager

10. If the event is Radiologically based and the TSC HVAC has not been transferred to emergency/isolation mode, Then:

    a. Place the affected Unit's TSC HVAC System in emergency/isolation mode or verify automatic transfer has occurred using 0POP02-HE-0002, TSC HVAC System. _____

    b. Contact the unaffected Unit's Shift Supervisor and recommend placing the unaffected Unit's TSC HVAC in emergency/isolation mode. _____

Action	Time
11. If site evacuation has not been completed, then implement 0ERP01-ZV-IN05, Site Evacuation upon completion of Assembly and Accountability.	_____
B. SPECIAL ACTIONS TO BE IMPLEMENTED AS NEEDED	
1. Personnel Emergencies	
a. Implement 0POP04-ZO-0004, Personnel Emergencies.	LOG
2. Radiological Release Occurring or Imminent	
a. Direct all Plant Operators to report to the 41' RCA Access Control Point and obtain an electronic dosimeter.	_____
b. Direct the Dose Assessment Specialist in the EOF to perform dose projections. If the Dose Assessment Specialist is not available, then direct the Acting Radiological Manager to perform the dose projections.	_____
3. Toxic Gas/Chemical Release from Nearby Chemical Facilities	
a. If conditions did not permit Assembly and Accountability and Evacuation, announce over the public address system for all personnel to seek shelter in buildings and turn off ventilation systems. Repeat the announcement. Direct the Security Force Supervisor (Acting Security Manager) to warn personnel outside the Protected Area.	_____
4. Missing Persons	
a. If missing persons are discovered as a result of performing Assembly and Accountability, then contact the Duty Maintenance Supervisor (Acting OSC Coordinator) and provide names and last known locations of the missing persons. Direct the Duty Maintenance Supervisor (Acting OSC Coordinator) to form and dispatch Search and Rescue teams.	_____

Action	Time
C. ONGOING ACTIONS	
1. Continuously assess plant conditions against 0ERP01-ZV-IN01, Emergency Classification to determine if changes to the current emergency classification are warranted.	N/A
2. Evaluate the adequacy of the current Operations staffing and request assistance from the unaffected Unit and/or call out additional personnel.	N/A
3. Make periodic site public address announcements of the status of the emergency including any radiological hazard precautions. Repeat the announcements.	LOG
4. Until relieved as the Emergency Director, update off-site agencies (State, County, BRC) about hourly (or more frequently if warranted) on the status of the emergency.	LOG
5. Maintain an Emergency Action Log.	N/A
D. FOLLOWING EMERGENCY DIRECTOR TURNOVER TO THE TSC MANAGER	
1. Maintain ENS communications with the NRC if requested.	N/A
2. Advise the Emergency Director of conditions which may change the emergency classification.	N/A
3. Periodically brief the Control Room staff of the status of the emergency and ongoing repair efforts.	N/A
4. Keep Plant Operators in the field advised of plant status and radiological conditions as applicable.	LOG
5. Review and approve press releases as applicable.	LOG

-END-

_____ _____ _____
(Name) (Date) (Unit)

Action **Time**

NOTE

Continue with this checklist only if the TSC Manager or EOF Director has not assumed Emergency Director responsibilities and authorities.

A. INITIAL ACTIONS

1. Announce to Control Room personnel the declaration of a **General Emergency (GE)** and the continuation (or assumption) of Emergency Director responsibilities by the Shift Supervisor. _____

2. Ensure the following announcement (or similar announcement) is made over the public address system using the **Unit Override** button: _____

   (Read Slowly) "ATTENTION ALL PERSONNEL; ATTENTION ALL PERSONNEL. A GENERAL EMERGENCY HAS BEEN DECLARED IN UNIT(S) ___."

   (Optional: Give brief description of the event.)

   _____
   _____
   _____
   _____
   _____

   (Repeat the announcement.)

3. If Assembly and Accountability has not been completed, then determine wind direction and implement Assembly and Accountability (Step 4). _____

Action **Time**

4. Sound the assembly alarm for about 15 seconds and make the following announcement: _____

"ATTENTION. ATTENTION. ASSEMBLY AND ACCOUNTABILITY HAS BEEN ORDERED FOR ALL PERSONNEL IN THE PROTECTED AREA. ALL EMERGENCY RESPONSE ORGANIZATION PERSONNEL REPORT TO YOUR DESIGNATED ASSEMBLY AREA, AND IMMEDIATELY CARD-IN ON ACCOUNTABILITY CARDREADERS. ALL OTHER PERSONNEL EXIT THE PROTECTED AREA VIA THE FOLLOWING ROUTE:

(Read one of the following as determined by wind direction)

[Wind Direction: 000-090] PERSONNEL SHOULD GO NORTH OF UNITS 1 AND 2 AND EXIT THE EAST GATEHOUSE, AND ASSEMBLE IN THE NUCLEAR SUPPORT CENTER. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES."

OR

[Wind Direction: 091-180] PERSONNEL SHOULD GO SOUTH OF UNITS 1 AND 2 AND EXIT THE EAST GATEHOUSE, AND ASSEMBLE IN THE NUCLEAR SUPPORT CENTER. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES."

OR

[Wind Direction: 181-270] PERSONNEL SHOULD GO SOUTH OF UNITS 1 AND 2 AND EXIT THE WEST GATEHOUSE, AND ASSEMBLE IN THE CENTRAL PROCESSING FACILITY. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES."

OR

[Wind Direction: 271-359] PERSONNEL SHOULD GO NORTH OF UNITS 1 AND 2 AND EXIT THE WEST GATEHOUSE, AND ASSEMBLE IN THE CENTRAL PROCESSING FACILITY. NO EATING, DRINKING, SMOKING, OR CHEWING IS ALLOWED BY EVACUEES."

(Repeat the assembly alarm and announcement as appropriate to ensure personnel accountability is complete.)

Action **Time**

5. Direct the Control Room Communicators or available personnel to complete the required notifications as described in 0ERP01-ZV-IN02, Notifications to Offsite Agencies.

   a. **IF** time does not permit the calculation and evaluation of downwind doses OR personnel are not available to complete these calculations, **THEN** determine the Protective Action Recommendation using Addendum 1, Initial Protective Action Recommendation Flowchart. _____

   b. **IF** a radiological release has not occurred, **THEN** use Addendum 2, Core/Containment Status Table. _____

   c. **IF** a radiological release has occurred, AND Offsite Prompt Dose Assessment (OPDA) is available, **THEN** obtain the Protective Action Recommendation from the printout. _____

   d. **IF** a **radiological** release is in progress, AND Offsite Prompt Dose Assessment (OPDA) is <u>not</u> available, **THEN** use manual dose assessment, actual field readings, or release rates to determine the Protective Action Recommendation using Addendum 3, Radiological Release Table. _____

   e. **IF** dose **assessment** results indicate ≥ 1 rem TEDE or ≥ 5 rem Thyroid CDE (PAGs) are exceeded at 10 miles, and field team measurements verify projected dose, **THEN** recommend evacuation of 10 mile radius and downwind sectors greater than 10-miles in 2-mile increments until PAGs are not exceeded. _____

   f. Determine affected downwind sectors and zones using Addendum 4, Protective Response Zones. _____

   g. **State/County shall be contacted within 15 minutes of the declaration of the GE to make emergency notifications.** _____

   h. **NRC notification shall be made immediately upon completion of State/County notification and not later than one hour after declaring the GE.** If more than one Communicator is available, NRC notification may be made concurrently with State/County notification. _____

Action **Time**

i. Activate **Emergency** Response Data System (ERDS) at the time the NRC Operations Center is notified of the GE, if not previously activated. _____

6. **IF** not already accomplished, **THEN** contact the Alarm Station Operator at extension 6042 to verify Emergency Notification and Response activation. _____

7. **Instruct** Plant Operators that have not been assigned tasks to proceed to the OSC for Accountability and remain there to support OSC operations. Ensure Plant Operators that remain under Control Room direction obtain an electronic dosimeter. _____

8. **Contact** the Energy Control and Dispatching Center (ECDC) Dispatcher and advise her/him of the nature of the emergency. _____

9. Verify that the following on-shift personnel have responded to their emergency duty station: _____

   - Onsite Communicator (Control Room)
   - State/County Communicator (Control Room)
   - ENS Communicator (Control Room)
   - Shift Technical Advisor (Control Room)
   - Acting Radiological Manager
   - Acting OSC Coordinator
   - Acting Security Manager

10. If the event is Radiologically based and the TSC HVAC has not been transferred to emergency/isolation mode, then:

    a. Place the affected Unit's TSC HVAC System in emergency/isolation mode or verify automatic transfer has occurred using 0POP02-HE-0002, TSC HVAC System. _____

    b. Contact the unaffected Shift Supervisor and recommend placing the unaffected Unit's TSC HVAC in emergency/isolation mode. _____

Action	Time
c. Direct the Dose Assessment Specialist in the EOF to perform dose projections. If the Dose Assessment Specialist is not available, then direct the Acting Radiological Manager to perform dose projections.	_____
11. IF site evacuation has not been completed, THEN implement 0ERP01-ZV-IN05, Site Evacuation upon completion of Assembly and Accountability.	_____
B. SPECIAL ACTIONS TO BE IMPLEMENTED AS NEEDED	
1. Personnel Emergencies	
a. Implement 0POP04-ZO-0004, Personnel Emergencies.	LOG
2. Missing Persons	
a. If missing persons are discovered as a result of performing Assembly and Accountability, then contact the Duty Maintenance Supervisor (Acting OSC Coordinator) and provide names and last known locations of the missing persons. Direct the Duty Maintenance Supervisor (Acting OSC Coordinator) to form and dispatch Search and Rescue teams.	_____
C. ONGOING ACTIONS	
1. Continuously assess plant conditions against 0ERP01-ZV-IN01, Emergency Classification to determine if changes to the current emergency classification are warranted.	N/A
2. Evaluate the adequacy of the current Operations staffing and request assistance from the unaffected Unit and/or call out additional personnel.	N/A
3. Make periodic site public address announcements of the status of the emergency including any radiological hazard precautions. Repeat the announcements.	LOG

Action		Time
4.	Until relieved as the Emergency Director, update off-site agencies (State, County, BRC) about hourly (or more frequently if warranted) on the status of the emergency.	LOG
5.	Maintain an Emergency Action Log.	N/A
6.	Keep Plant Operators advised of Plant Status and radiological conditions as applicable.	N/A
C.	ONGOING ACTIONS (Cont'd)	
7.	Review and approve press releases as applicable.	N/A
8.	**IF** severe reactor core damage is identified, **THEN** implement procedure 0ERP01-ZV-TP03, Severe Accident Management.	N/A
D.	FOLLOWING EMERGENCY DIRECTOR TURNOVER TO THE TSC MANAGER	
1.	Maintain ENS communications with the NRC if requested.	N/A
2.	Advise the Emergency Director of conditions which may change the classification of the emergency.	N/A
3.	Periodically brief the Control Room staff of the status of the emergency and ongoing repair efforts.	N/A

(Name) (Date) (Unit)

Action **Time**

A. TERMINATION ACTIONS

1. Announce termination of the emergency condition over the public address system. Repeat the announcement. _____

2. Complete notifications to offsite agencies per 0ERP01-ZV-IN02, Notifications to Offsite Agencies, if applicable. _____

3. For termination of an Unusual Event, notify all individuals notified on declaration of the event that the event is terminated. _____

4. Determine if Fitness for Duty post-accident screening should be initiated per 0PGP09-ZA-0002, Fitness For Duty Program. _____

5. Provide a list of any supplies or forms needing replenishment to the Manager, Emergency Response. _____

6. Develop a list of activities and tasks which should be completed using 0ERP01-ZV-RE02, Form 1, Corrective Action Items List. _____

   - Collect the lists developed by the Acting Radiological Manager, Acting Security Manager, and the Acting OSC Coordinator. Review the lists and forward them to the Manager, Emergency Response. _____

7. Following termination from an Unusual Event, collect all logs and data sheets pertaining to the event and forward to the Manager, Emergency Response. _____

8. Following termination from an Alert or higher classification, forward all control room documentation to the Assistant TSC _____

-END-.