Entergy

Entergy Operations, Inc.
River Bend Station
5485 U. S. Highway 61
St. Francisville, LA 70775
Tel 225 381 4642
Fax 225 635 5068
jleavin@entergy.com

Joseph W. Leavines
Manager-Licensing

November 12, 2003

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

Subject: River Bend Station – Unit 1
Docket No. 50-458
License No. NFP-47
Submittal of Revisions to Emergency Implementing Procedures

File No.: G9.5, G9.20.6

RBG-46195
RBF1-03-0210

Ladies and Gentlemen:

Pursuant 10CFR50 Appendix E, Section V, enclosed are copies of five Emergency Implementing Procedures that have been revised. A list of the revised procedures is attached. In accordance with 10CFR50.54(q), changes do not decrease the effectiveness of the Emergency Plan.

If you have any questions or require further information, please contact Joseph Leavines at (225)-381-4642.

Sincerely,

For J.W. Leavines
JWL/dnl
enclosures

A045

cc: U. S. Nuclear Regulatory Commission (2)
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011

NRC Senior Resident Inspector
P. O. Box 1050
St. Francisville, LA 70775

LIST OF REVISED
EMERGENCY IMPLEMENTING PROCEDURES

PROCEDURE	TITLE	CURRENT REV.
EIP-2-002	Classification Actions	24
EIP-2-007	Protective Action Recommendation Guidelines	19
EIP-2-018	Technical Support Center	26
EIP-2-020	Emergency Operations Facility	26
EIP-2-022	Alternate EOF – Activation and Transfer of Functions	18

REFERENCE USE

*G12.23.2

ENTERGY

RIVER BEND STATION
STATION SUPPORT MANUAL
***EMERGENCY IMPLEMENTING PROCEDURE**

**CLASSIFICATION ACTIONS*

PROCEDURE NUMBER:	***EIP-2-002**
REVISION NUMBER:	***24**
Effective Date:	* OCT 2 0 2003

NOTE: SIGNATURES ARE ON FILE.

***INDEXING INFORMATION**

TABLE OF CONTENTS

1 PURPOSE

This procedure describes the actions to be taken by the Recovery Manager/Emergency Director when an emergency condition has been classified as a Notification of Unusual Event (NOUE), Alert, Site Area or General Emergency, per EIP-2-001, Classification of Emergencies.

2 REFERENCES

2.1 ADM-0060, First Responder Emergencies

2.2 EIP-2-001, Classification of Emergencies

2.3 EIP-2-006, Notifications

2.4 EIP-2-007, Protective Action Recommendation Guidelines

2.5 EIP-2-012, Radiation Exposure Controls

2.6 EIP-2-014, Offsite Radiological Monitoring

2.7 EIP-2-024, Offsite Dose Calculations

2.8 EIP-2-026, Evacuation, Personnel Accountability, and Search and Rescue

2.9 EIP-2-028, Recovery

2.10 EPP-2-100, Procedure Review, Revision, and Approval

2.11 FPP-0010, Fire Fighting Procedure

2.12 RBNP-035, Hazardous Material Emergency Response Plan

3 DEFINITIONS

3.1 Augmentation - Actions taken to support onshift personnel or the Emergency Response Organization.

4 RESPONSIBILITIES

4.1 Shift Manager:

4.1.1. Assume the responsibilities and authority of the Recovery Manager and Emergency Director until properly relieved or until the emergency situation is terminated.

4.1.2. Decide the Severe Accident Procedure mitigation strategy when applicable.

4.1.3. Continue Shift Manager responsibilities, after being relieved or on termination of the emergency.

4.2 Recovery Manager:

4.2.1. Provide overall management of River Bend Station (RBS) response activities.

4.2.2. Provide notifications and make protective action recommendations to offsite authorities.

4.2.3. Coordinate RBS response activities as required with offsite organizations.

4.2.4. Ensure that offsite radiological conditions are measured and monitored.

4.2.5. Review information for the media and the general public prior to release.

4.2.6. Establish a Recovery Organization.

4.2.7. Terminate the emergency.

4.3 Emergency Director:

4.3.1. Assess and classify emergency conditions.

4.3.2. Authorize doses in excess of 10CFR20 limits.

4.3.3. Direct onsite activities in support of the Control Room.

4.3.4. Authorize departures from license conditions or Technical Specifications in accordance with 10 CFR 50.54 (x).

4.3.5. Determine need for onsite evacuation, personnel accountability, and implement search and rescue as required.

5 GENERAL

NONE

6 PROCEDURE

NOTE

The actions of this procedure may be completed in any sequence, however, the sequence presented is recommended.

NOTE

If the Control Room is evacuated, the Shift Manager, designated Communicator, and Chemistry Technician shall report to the TSC with their binders to perform the actions of this procedure.

6.1 **NOTIFICATION OF UNUSUAL EVENT** - The Recovery Manager and Emergency Director should use Attachment 1 as a guideline.

6.2 **ALERT EMERGENCY** - The Recovery Manager and Emergency Director should use Attachment 2 as a guideline.

6.3 **SITE AREA EMERGENCY OR GENERAL EMERGENCY** - The Recovery Manager and Emergency Director should use Attachment 3 as a guideline.

7 DOCUMENTATION

7.1. Attachments 1 - 3 and 5 of this procedure will be sent to Permanent Plant Files (PPF) per EPP-2-100 by the Manager - Emergency Preparedness.

NOTIFICATION OF UNUSUAL EVENT

INITIAL ACTIONS Date:_____ Time:_____ Action Completed Initials

1. Merge the Page Party/Gaitronics and make plant announcement. _____

   WARBLE tone. "Attention in the plant. An UNUSUAL EVENT has been declared due to (brief cause of emergency)." (Repeat message)

WARNING

If a personnel hazard is still within the Protected Area (high winds, toxic gas, armed intruders, etc...) consider delaying activation of the Emergency Response Organization pagers until the danger has passed.

2. Direct the Communicator to activate the onsite Emergency Response Organization pagers in accordance with EIP-2-006. _____

3. Direct the Communicator to notify the following:

   3.1. Offsite authorities - Within 15 minutes of the declaration utilizing the Short Notification Message Form (SNMF). _____

   3.2. NRC - Immediately after notifying state and local authorities and no later than one hour after declaring the emergency. _____

4. For toxic gas releases, refer to the actions of Attachment 5. _____

5. Evacuate onsite affected area(s), if needed, in accordance with EIP-2-026. _____

SUBSEQUENT ACTIONS

1. Periodically inform plant personnel of personnel hazards, plant line-ups, corrective actions and steps taken to mitigate the emergency.

2. Invoke 10 CFR 50.54 (x) for departures from license conditions or Technical Specifications.

3. Authorize and make log entries for all procedure deviations.

NOTIFICATION OF UNUSUAL EVENT

SUBSEQUENT ACTIONS (Cont.'d)

4. Verify and update classification levels and onsite protective actions, as necessary.

5. Determine status of and need for persons previously sent to assembly and/or staging areas.

6. If additional manpower is needed, augment the staff.

7. Direct periodic status reports to the:

   7.1. Offsite authorities - Long Notification Message Forms (LNMF) should be prepared as soon as possible following a Short Notification Message Form (SNMF) or when significant changes occur that don't warrant emergency escalation. During extended emergencies, time between LNMFs should not exceed 2 hours.

   7.2. NRC - Update as requested.

TERMINATION ACTIONS Date:_____	Action Completed Initials
1. When NOUE conditions are no longer met, terminate the emergency.	_____
2. Direct notification of the following of the emergency termination:	
2.1. Offsite authorities - Direct the Communicator to use the Long Notification Message Form (LNMF).	_____
2.2. NRC	_____
3. Announce emergency termination twice over the Gaitronics.	_____
4. If activated, deactivate the OSC.	_____
5. Forward the originals of all documents generated by implementation of this procedure to the Manager - Emergency Preparedness.	_____

ALERT

INITIAL ACTIONS Date:_____ Time:_____ Action Completed Initials

WARNING

If a personnel hazard is still within the Protected Area (high winds, toxic gas, armed intruders, etc...) consider delaying activation of the Emergency Response Organization pagers until the danger has passed. If off-hours consider activating offsite ERO facilities.

1. Merge the Page Party/Gaitronics and make plant announcement. _____

   WARBLE tone. **"Attention in the plant. An Alert has been declared due to (brief cause of emergency). Activate all Emergency Response Facilities. Escort all visitors to the Primary Access Point."** (Repeat message)

2. Direct the Communicator to activate the onsite Emergency Response Organization pagers in accordance with EIP-2-006. _____

3. Direct the Communicator to notify the following:

   3.1. Offsite authorities - Within 15 minutes of the declaration utilizing the Short Notification Message Form (SNM) _____

   3.2. NRC - Immediately after notifying state and local authorities and no later than one hour after declaring the emergency. _____

4. For toxic gas releases, refer to the actions of Attachment 5. _____

5. Evacuate onsite affected area(s), if needed, in accordance with EIP-2-026. _____

6. Dispatch personnel to sample and evaluate release of radioactive materials in accordance with EIP-2-014, as necessary. _____

SUBSEQUENT ACTIONS

1. Direct a chemistry technician to activate the Emergency Response Data System (ERDS). Must be performed within 1 hour of an ALERT or higher emergency classification. _____

ALERT

SUBSEQUENT ACTIONS (Cont.'d)

2. If desired, direct Security Shift Supervisor to perform a precautionary notification of all non-essential personnel, visitors, contractor personnel, and members of the public in the Owner Controlled Area.

3. Periodically inform plant personnel of personnel hazards, plant line-ups, corrective actions and steps taken to mitigate the emergency.

NOTE

Ultimate authority for invoking 10 CFR 50.54(x) resides with the Emergency Director. If timely response precludes Emergency Director authorization, the minimal authority is an onshift licensed SRO.

4. Authorize and make log entries for all procedure deviations.

5. Verify and update classification levels and onsite protective actions, as necessary.

6. Determine status of and need for persons previously sent to assembly and/or staging areas.

7. Direct periodic status reports to the:

   7.1. Offsite authorities - Long Notification Message Forms (LNMF) should be prepared as soon as possible following a Short Notification Message Form (SNMF) or when significant changes occur that do not warrant emergency escalation. During extended emergencies time between LNMFs should not exceed 2 hours.

   7.2. NRC - Update as requested.

TERMINATION ACTIONS Date:_____	Action Completed Initials
1. Terminate the emergency when the ALERT conditions are no longer met and the following have been accomplished:	_____
1.1. The plant is in a stable condition.	
1.2. Excessive releases of radioactivity to the environment have been terminated and no further potential for significant radioactivity releases exists.	
1.3. No further potential for major damage to equipment exists.	

ALERT

TERMINATION ACTIONS (Cont'd)		Action Completed Initials
2.	Direct the notification of the following of the emergency termination:	
2.1.	Offsite authorities - Direct the Communicator to use the Long Notification Message Form (LNMF).	_____
2.2.	NRC	_____
3.	Announce emergency termination twice over the Gaitronics.	_____
4.	Direct the emergency facilities to deactivate.	_____
5.	Obtain concurrence from the NRC and deactivate the Emergency Response Data System (ERDS).	_____
6.	Forward the originals of all documents generated by the implementation of this procedure to the Manager - Emergency Preparedness.	_____

SITE AREA/GENERAL EMERGENCY

INITIAL ACTIONS Date:_____ Time:_____ Action Completed Initials

WARNING

If a personnel hazard is still within the Protected Area (high winds, toxic gas, armed intruders, etc...) consider delaying activation of the Emergency Response Organization pagers until the danger has passed. If off-hours consider activating offsite ERO facilities.

1. Merge the Page Party/Gaitronics and make plant announcement. _____

   WARBLE tone. **"Attention in the plant. A** (Site Area Emergency or General Emergency) **has been declared due to** (brief cause of emergency). **Activate all Emergency Response Facilities."** (Repeat message)

2. Direct the Communicator to activate the onsite Emergency Response Organization pagers in accordance with EIP-2-006. _____

3. Evaluate protective actions offsite and implement EIP-2-007, as necessary. _____

4. Direct the Communicator to notify the following:

   4.1. Offsite authorities - Within 15 minutes of the declaration utilizing the Short Notification Message Form (SNMF). _____

   4.2. NRC - Immediately after notifying state and local authorities and later than one hour after declaring the emergency. _____

5. For toxic gas releases, refer to the actions of Attachment 5. _____

6. Evacuate the Owner Controlled Area in accordance with EIP-2-026. _____

7. Dispatch personnel to sample and evaluate the release of radioactive materials in accordance with EIP-2-014, as necessary. _____

8. Initiate dose calculations in accordance with EIP-2-024, if due to radiological conditions. _____

SITE AREA/GENERAL EMERGENCY

INITIAL ACTION (Cont.'d)

9. At a General Emergency (if the Emergency Facilities are not manned) perform the following:

   9.1. Contact the LOEP Operations Officer and verify that he is prepared to transmit the appropriate EAS message to the radio stations for broadcast. _____

   9.2. Coordinate the siren sounding time with LOEP Operations Officer. _____

   9.3. Activate the sirens at the agreed upon time using Attachment 4. _____

SUBSEQUENT ACTIONS

1. Direct a chemistry technician to activate the Emergency Response Data System (ERDS). Must be performed within 1 hour of an ALERT or higher emergency classification. _____

2. Periodically inform plant personnel of personnel hazards, plant line-ups, corrective actions and steps taken to mitigate the emergency.

NOTE

Ultimate authority for invoking 10 CFR 50.54(x) resides with the Emergency Director. If timely response precludes Emergency Director authorization, the minimal authority is on onshift licensed SRO.

3. Authorize and make log entries for all procedure deviations.

4. Verify and update classification levels.

5. Direct periodic status reports to the:

   5.1. Offsite authorities - Long Notification Message Forms (LNMF) should be prepared as soon as possible following a Short Notification Message Form (SNMF) or when significant changes occur that do not warrant emergency escalation. During extended emergencies time between LNMFs should not exceed 2 hours.

   5.2. NRC - Update as requested.

6. Determine status of and need for persons previously sent to assembly and/or staging areas.

7. Verify and update offsite protective actions, as necessary.

SITE AREA/GENERAL EMERGENCY

TERMINATION ACTIONS Date:_____ Action Completed Initials

1. Terminate the emergency when the SITE AREA/GENERAL EMERGENCY conditions are no longer met and the following has been accomplished: _____

   1.1. The reactor is shut down, is in a stable, safe configuration, and adequate core cooling is available.

   1.2. Excessive releases of radioactivity to the environment have been terminated and no further potential for significant radioactivity releases exist.

   1.3. Offsite concentrations of radioactivity in the atmosphere or in waterways have dispersed to near background levels, excluding ground deposition.

   1.4. The State of Louisiana, the local parishes, and the NRC concur in terminating the emergency.

2. Direct notification of the following of the emergency termination:

   2.1. Offsite authorities - Direct the Communicator to use the Long Notification Message Form (LNMF). _____

   2.2. NRC _____

3. Announce emergency termination twice over the Gaitronics. _____

4. Initiate recovery actions in accordance with EIP-2-028. _____

5. Direct the emergency facilities to deactivate. _____

6. Obtain concurrence from the NRC and deactivate the Emergency Response Data System (ERDS). _____

7. Forward the originals of all documents generated by the implementation of this procedure to the Manager - Emergency Preparedness. _____

SIREN CONTROL FROM THE CONTROL ROOM

NOTE

If the Siren Control Box in the Control Room does not work, the siren sounding time may have to be changed. Notify the EOF Recovery Manager when the EOF is operational or LOEP if Control Room is performing Protective Action Recommendations. If the Siren Control Box in the Control Room does not work, contact one of the following and direct them to enable the Siren System.

1. *Emergency Operations Facility (Backup)*
2. *Emergency Planning if available (normal working hours)*
3. *Telecommunications Department (Siren Computers)*

CANCEL AN INADVERTENT SIREN SOUNDING

1. At the control room siren control box, insert key into the ENABLE key switch.
2. Place ENABLE key switch in the ON position and verify the white POWER lamp comes on.
3. Depress and hold the CANCEL pushbutton switch until the green CANCEL lamp comes on.
4. Verify that the yellow ACK lamp momentarily comes on.

The system is now canceled. In some instances the yellow ACK lamp will turn on more than once. This is normal communications with the main siren computers. After two (2) minutes the system can be returned to the normal configuration. To return the system to the normal configuration, perform the following.

1. Place the ENABLE key switch in the OFF position.
2. Verify that the white POWER lamp goes off.
3. Store key.

SIREN CONTROL FROM THE CONTROL ROOM

ENABLE THE SYSTEM FOR PARISH ACTIVATION

1. At the control room siren control box, insert key into the ENABLE key switch.
2. Place ENABLE key switch in the ON position and verify the white POWER lamp comes on.
3. Depress and hold the ENABLE pushbutton switch until the blue ENABLE lamp comes on.
4. Verify that the yellow ACK lamp momentarily comes on.

The system is now enabled. In some instances the yellow ACK lamp will turn on more than once. This is normal communications with the main siren computers. At this time the Parish EOCs can activate their respective sirens. To return the system to the normal configuration, perform the following.

1. Place ENABLE key switch to the OFF position.
2. Verify that the white POWER lamp goes off.
3. Verify that the blue ENABLE lamp goes off.
4. Remove and store key.

RBS CONTROL ROOM SIREN ACTIVATION SEQUENCE

1. At the control room siren control box, insert keys into ENABLE and ALL-CALL key switches.
2. Place ENABLE key switch in the ON position and verify the white POWER lamp comes on.
3. Place ALL-CALL key switch in the ON position and verify the blue ENABLE lamp comes on.
4. Verify that the yellow ACK lamp momentarily comes on.
5. Depress and hold the ALL-CALL pushbutton switch until the red ALL-CALL lamp comes on.
6. Verify that the yellow ACK lamp momentarily comes on.

The sirens will sound for three minutes and then shut down. In some instances the yellow ACK lamp will turn on more than once. This is normal communications with the main siren computers. To return the system to the normal configuration, perform the following:

1. Place both ENABLE AND ALL-CALL switches to the OFF position.
2. Verify that the white POWER lamp goes off.
3. Verify that the blue ENABLE lamp goes off.
4. Remove and store the keys.

TOXIC GAS RELEASE CHECKLIST

Date:_____ Time:_____ Action Completed Initials

1. OFFSITE RELEASE - If a report is received from an offsite organization (for example, TEMBEC or Big Cajun #2) or governmental agency that a toxic gas is approaching River Bend Station:

1.1. Use a 10 mile EPZ map and the following table to determine whether the release is a threat to River Bend Station. _____

Industrial Facilities Within 5 Miles of River Bend Station

Facility	Distance	Wind Direction (from)
Tembec (Crown Vantage)	3.4 miles	183 degrees
Big Cajun #2	3.1 miles	235 degrees

1.2. If the release is determined to be a threat, then perform the following:

1.2.1. Direct those personnel deemed necessary to remain onsite to report to the Control Room. _____

1.2.2. Direct Security to institute protective measures for their officers. _____

1.2.3. Implement EIP-2-026 for evacuations as deemed necessary. _____

1.2.4. Direct Chemistry to monitor the Control Room. _____

1.2.5. Ensure operators are prepared to don SCBAs if needed. _____

1.2.6. Take other actions as deemed necessary to protect the health and safety of personnel. _____

1.2.7. Upon the determination that the hazard no longer exists, then refer to the recovery actions of Section 3 of this attachment. _____

1.3. If the release is not determined to be a threat, then monitor the situation. _____

TOXIC GAS RELEASE CHECKLIST

2. ONSITE RELEASE – If a report is received that a toxic gas is being released onsite:

2.1. Determine whether the release is a threat to site personnel. _____.

2.1.1. If the release is determined to be a threat, then perform the following:

- Determine areas affected by the release. _____
- Notify security of the potential or actual emergency condition and request that access control for the affected areas be implemented. _____
- Implement EIP-2-026 for evacuations as necessary. _____
- Direct Chemistry to monitor the Control Room if necessary. _____
- Ensure operators are prepared to don SCBAs if needed. _____
- Contact Environmental Services and inform of the situation. _____
- Take other actions as deemed necessary to protect the health and safety of personnel. _____
- Upon the determination that the hazard no longer exists, then refer to the recovery actions of Section 3 of this attachment. _____

2.1.2. If the release is not determined to be a threat, then monitor the situation. _____

3. Recovery Actions

3.1. If toxic chemicals actually entered the site boundary, then perform the following:

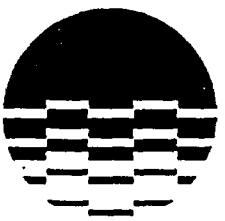
3.1.1. Post and restrict access to all below ground level areas. _____

3.1.2. Sample and determine that each restricted area has a safe environment prior to releasing the area for general access. _____

3.1.3. Request an engineering evaluation of the effects of the toxic chemicals on the site (i.e. atmospheric vented tanks, electrical equipment, mechanical components, plant compressed air systems, etc.) _____

REFERENCE USE

*G12.23.2



ENTERGY

RIVER BEND STATION
STATION SUPPORT MANUAL
***EMERGENCY IMPLEMENTING PROCEDURE**

**PROTECTIVE ACTION RECOMMENDATION GUIDELINES*

PROCEDURE NUMBER:	***EIP-2-007**
REVISION NUMBER:	***19**
Effective Date:	***10/20/03**

NOTE : SIGNATURES ARE ON FILE.

*INDEXING INFORMATION

TABLE OF CONTENTS

1 PURPOSE

This procedure is a guide for the Shift Manager acting as Recovery Manager to determine protective action recommendations for the State and local authorities during an emergency. Since it is impossible to cover all potential situations, the judgment of the person responsible for recommending protective actions shall take precedence over the requirements of this procedure.

2 REFERENCES

2.1 EIP-2-002, Classification Actions

2.2 Environmental Protection Agency (EPA) 400-R-92-001, October 1991. "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents"

3 DEFINITIONS

3.1 Committed Dose Equivalent (CDE) - The dose equivalent to organs or tissues of reference that will be received from an intake of radioactive material during the 50 year period following the intake.

3.2 Imminent – Mitigation actions have been ineffective and trended information indicates that the event or condition will occur within 2 hours.

3.3 Minimum Protective Action Recommendation - Upon declaration of a General Emergency, the minimum protective action recommendation is evacuate the 2 mile radius, evacuate 5 miles downwind, shelter the 10 mile radius, and evacuate schools, institutions and recreation areas in the 5 mile radius.

3.4 Protective Action - An action taken to avoid or reduce the effects on the general public of a nuclear emergency when the benefits derived from such an action are sufficient to offset any undesirable features or results of the protective action (i.e., constraints).

3.5 Protective Action Guide (PAG) - The level at which the projected dose to individuals in the population or the potential dose from a rapidly

escalating emergency warrants taking protective action. A PAG under no circumstance implies an acceptable dose; it is used only to minimize the risk from an event, which is occurring, may occur, or has already occurred.

3.6 Projected Dose - The estimated dose that would be received by individuals if no protective actions were taken following a release of radioactive materials.

3.7 Total Effective Dose Equivalent (TEDE) - The sum of the Deep Dose Equivalent (DDE) (from external exposure) and the Committed Effective Dose Equivalent (CEDE) (from internal exposure).

4 RESPONSIBILITIES

4.1 Recovery Manager (RM) - overall responsibility and authority for emergency response activities. Determines the appropriate recommended protective measures for offsite persons within the Emergency Planning Zone (EPZ) and for communication of these recommendations to both States and local authorities. The first responsibility of the Recovery Manager is to make protective action recommendations based on plant conditions or radiological releases as soon as possible. **This responsibility for determination and communication of protective action recommendations may not be delegated.**

5 GENERAL

5.1 The following table is a guideline for specific Protective Action Recommendations (PARs) (see Attachment 1).

Whole Body Total Effective Dose Equivalent		Thyroid Committed Dose Equivalent	Protective Action to be Recommended
< 1 rem	OR	< 5 rem	No specific actions for the general public
≥ 1 rem	OR	≥ 5 rem	Evacuate area unless constraints make evacuation impractical
		> 25 rem	Consider administration of stable iodine for emergency workers

5.2 The authority and responsibility for the selection and implementation of offsite response options rests fully with the appropriate State and local authorities. River Bend Station has no authority with respect to imposing protective response options beyond the boundaries of the River Bend Site.

5.3 Protective Action Recommendations are based on projected radiation exposure. State and local authorities may take into consideration ambient meteorology and duration of release. Evacuation times and degree of protection afforded by local residential units are considered by the State as appropriate when considering sheltering in lieu of evacuation.

6 PROCEDURE

NOTE

The actions of this procedure may be completed in any sequence, however, the sequence presented is recommended.

NOTE

Protective Action Recommendations (PARs) must be developed within 15 minutes of the declaration of a General Emergency or data availability which requires upgrading the PARs.

6.1 The Recovery Manager should:

6.1.1. Use Attachments 1, 2 and 3 to formulate Protective Action Recommendations (PARs).

6.1.2. Consider the following guidance when determining PARs. Unnecessary evacuation of the public is **NOT** considered a conservative decision.

1. If the potential exists for an emergency vent of containment, issue PARs in anticipation of the vent.

2. After initial PAR implementation, assuming no change in dose projections which would require an increase in PARs, wind shifts which change the scenario number may trigger an increase in PARs to a higher level. To determine the appropriate PAR, review the emergency scenario maps and the National Weather Service (NWS) forecast. Do **NOT** recommend a PAR change that would shelter an area (PAS) that has already been recommended for evacuation. In addition, if NWS indicates continued wind shifts, consider the following guidance:

   a. **Present PARs** - Evacuate 2 mile radius, evacuate 5 miles down wind, shelter the 10 mile radius and evacuate schools, institutions and recreation areas in the 5 mile radius (Minimum PARs).

      Wind shifts - Evacuate 5 mile radius and shelter the 10 mile radius (Scenario #12).

   b. **Present PARs** - Evacuate 5 mile radius, evacuate 10 miles down wind, shelter the remaining 10 mile radius and evacuate schools, institutions and recreation areas in the 10 mile radius.

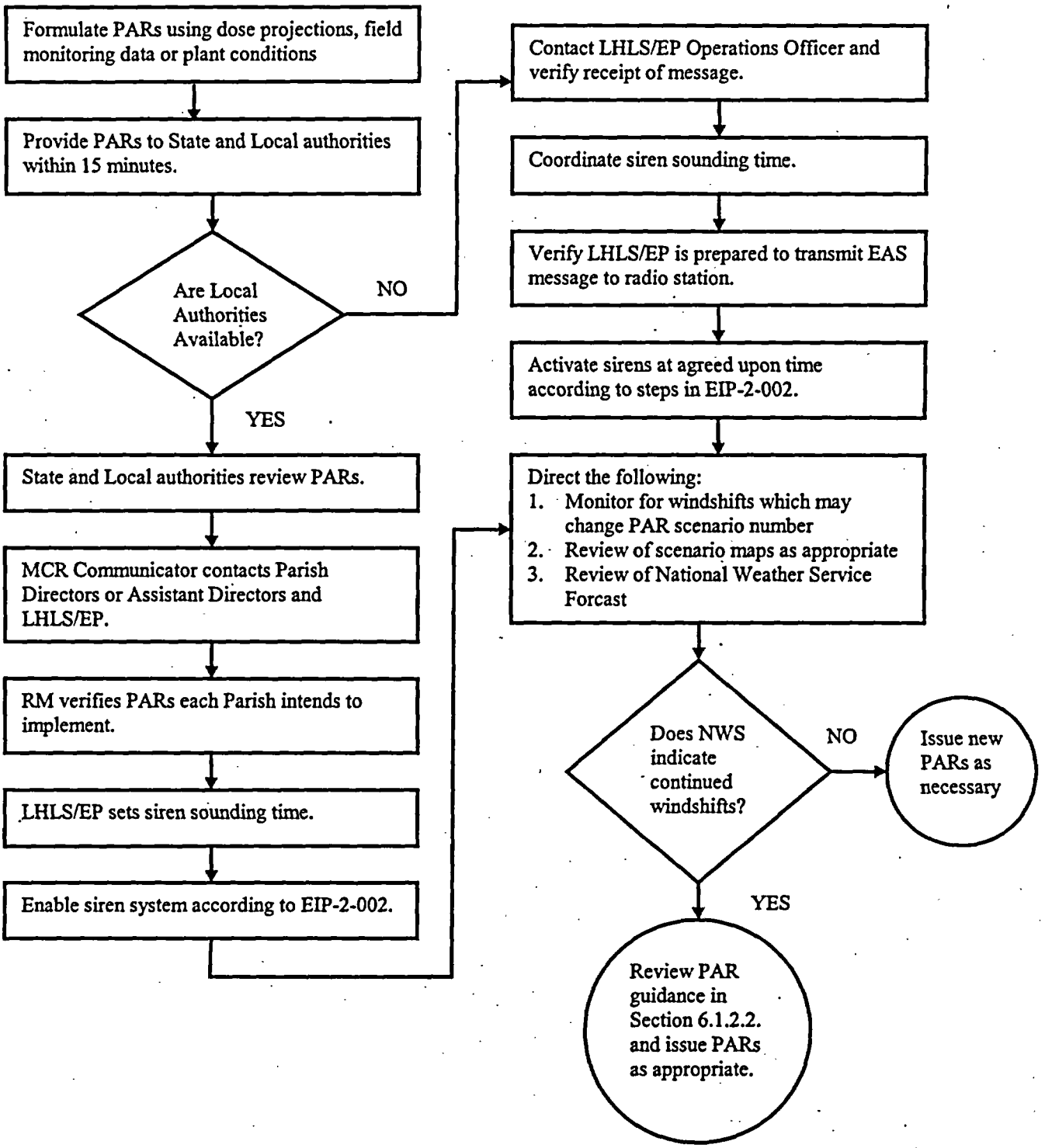
      Wind shifts - Evacuate 10 mile radius (Scenario #27).

6.1.3. Forward the originals of all documents generated by the implementation of this procedure to the Manager-Emergency Preparedness.

7 DOCUMENTATION

NONE

PAR PROCESS


Formulate PARs using dose projections, field monitoring data or plant conditions
Provide PARs to State and Local authorities within 15 minutes.
Are Local Authorities Available?
NO
YES
Contact LHLS/EP Operations Officer and verify receipt of message.
Coordinate siren sounding time.
Verify LHLS/EP is prepared to transmit EAS message to radio station.
Activate sirens at agreed upon time according to steps in EIP-2-002.
State and Local authorities review PARs.
Direct the following:
1. Monitor for windshifts which may change PAR scenario number
2. Review of scenario maps as appropriate
3. Review of National Weather Service Forcast
MCR Communicator contacts Parish Directors or Assistant Directors and LHLS/EP.
RM verifies PARs each Parish intends to implement.
LHLS/EP sets siren sounding time.
Enable siren system according to EIP-2-002.
Does NWS indicate continued windshifts?
NO
Issue new PARs as necessary
YES
Review PAR guidance in Section 6.1.2.2. and issue PARs as appropriate.

PAR FLOW CHART

PAR FLOW CHART

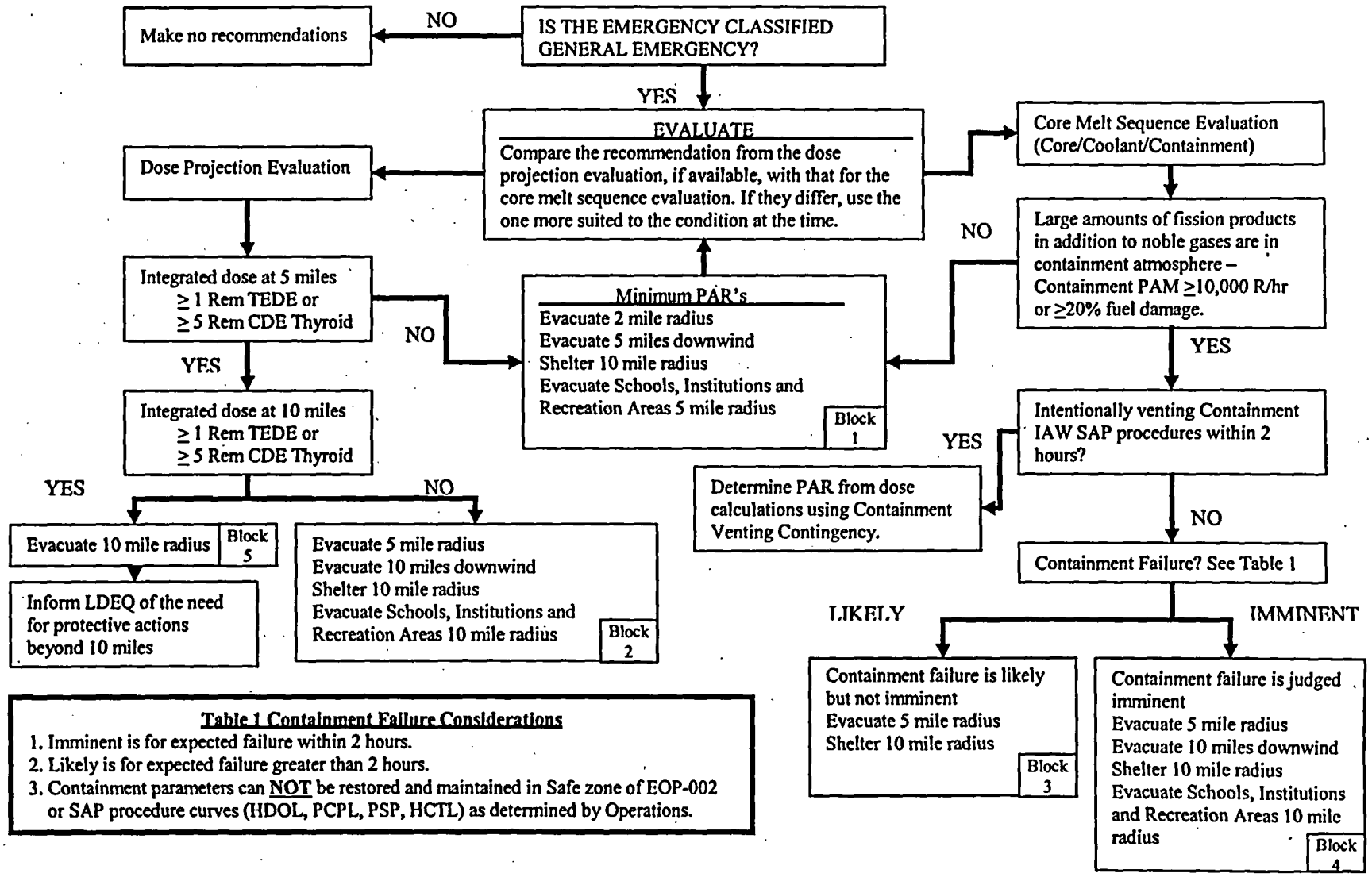


Table 1 Containment Failure Considerations

1. Imminent is for expected failure within 2 hours.
2. Likely is for expected failure greater than 2 hours.
3. Containment parameters can NOT be restored and maintained in Safe zone of EOP-002 or SAP procedure curves (HDOL, PCPL, PSP, HCTL) as determined by Operations.

PAR SECTORS AND SCENARIO NUMBERS

BLOCK 1

PROTECTIVE ACTION FLOWCHART
EVACUATE 2 MILE RADIUS AND EVACUATE 5 MILES DOWNWIND AND SHELTER THE 10 MILE RADIUS AND EVACUATE SCHOOLS, INSTITUTIONS, RECREATION AREAS 5 MILE RADIUS.

Locate the wind direction to find the appropriate scenario number to use.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
168.76-191.25	1	A	R & B
191.26-213.75	1	B	A & C
213.76-236.25	2	C	B & D
236.26-258.75	3	D	C & E
258.76-281.25	4	E	D & F
281.26-303.75	4	F	E & G
303.76-326.25	5	G	F & H
326.26-348.75	5	H	G & J
348.76-11.25	6	J	H & K
11.26-33.75	7	K	J & L
33.76-56.25	8	L	K & M
56.26-78.75	8	M	L & N
78.76-101.25	9	N	M & P
101.26-123.75	10	P	N & Q
123.76-146.25	10	Q	P & R
146.26-168.75	11	R	Q & A

BLOCK 3

PROTECTIVE ACTION FLOWCHART
EVACUATE 5 MILE RADIUS AND SHELTER THE 10 MILE RADIUS.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTORS
ANY	12	ALL	ALL

PAR SECTORS AND SCENARIO NUMBERS

BLOCK 2 OR 4

PROTECTIVE ACTION FLOWCHART
EVACUATE 5 MILE RADIUS AND EVACUATE 10 MILES DOWNWIND AND SHELTER THE 10 MILE RADIUS AND EVACUATE SCHOOLS, INSTITUTIONS, RECREATION AREAS 10 MILE RADIUS.

Locate the wind direction to find the appropriate scenario number to use.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
168.76-191.25	13	A	R & B
191.26-213.75	14	B	A & C
213.76-236.25	15	C	B & D
236.26-258.75	15	D	C & E
258.76-281.25	16	E	D & F
281.26-303.75	17	F	E & G
303.76-326.25	18	G	F & H
326.26-348.75	19	H	G & J
348.76-11.25	20	J	H & K
11.26-33.75	21	K	J & L
33.76-56.25	22	L	K & M
56.26-78.75	23	M	L & N
78.76-101.25	24	N	M & P
101.26-123.75	25	P	N & Q
123.76-148.25	25	Q	P & R
148.26-168.75	26	R	Q & A

BLOCK 5

PROTECTIVE ACTION FLOWCHART
EVACUATE 10 MILE RADIUS

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
ANY	27	ALL	ALL

REFERENCE USE

*G12.23.2

ENTERGY

RIVER BEND STATION
STATION SUPPORT MANUAL
***EMERGENCY IMPLEMENTING PROCEDURE**

**TECHNICAL SUPPORT CENTER*

PROCEDURE NUMBER:	***EIP-2-018**
REVISION NUMBER:	***26**
Effective Date:	***10/20/03**

NOTE : SIGNATURES ARE ON FILE.

*INDEXING INFORMATION

This procedure has been reviewed for 10CFR50.59 applicability. 10CFR50.59 screening for the programmatic exclusion of all EIP changes, approved by the FRC on 7/10/97, concludes that further review of changes to this procedure under 10CFR50.59 are not necessary.

TABLE OF CONTENTS

1 PURPOSE

This procedure provides instructions for the activation, operation and deactivation of the Technical Support Center (TSC).

2 REFERENCES

2.1 COP-1050, Post Accident Estimation of Fuel Core Damage

2.2 EIP-2-001, Classification of Emergencies

2.3 EIP-2-012, Radiation Exposure Controls

2.4 EIP-2-014, Offsite Radiological Monitoring

2.5 EIP-2-015, Post Accident Sampling Operations

2.6 EIP-2-024, Offsite Dose Calculations

2.7 EIP-2-026, Evacuation, Personnel Accountability, and Search and Rescue

2.8 EIP-2-028, Recovery

2.9 RPP-0006, Radiological Surveys

2.10 Commitment 15578

3 DEFINITIONS

3.1 Activation - The process of assembling personnel, verifying equipment operability, and making a facility ready to support the emergency response.

3.2 Augmentation - Actions taken to support onshift personnel or the Emergency Response Organization.

3.3 Habitable - For the purpose of this procedure, the term habitable is based solely on radiological conditions, however, the TSC Manager may declare the facility uninhabitable based on other conditions.

3.4 Imminent - Mitigation actions have been ineffective and trended information indicates that the event or condition will occur within 2 hours.

3.5 Long Notification Message Form (LNMF) - Used for providing State and local authorities follow-up information. The LNMF is sent out as soon as possible following a SNMF. The LNMF is also sent out for any significant changes to plant conditions that do not require an emergency escalation or change in PARs. No more than 2 hours should be exceeded between any two LNMFs.

3.6 Operational - Status of an emergency facility declared by the appropriate facility manager upon determining that the facility is adequately staffed and equipment is set up and available to perform the emergency functions assigned to that facility.

3.7 Radioactive release - For the purpose of offsite notifications, and discussions with State and local authorities, a "release" will be determined to be occurring and the "Radioactive Release" on the Short and Long Notification Message Forms is marked "yes", when:

3.7.1 Any one of three effluent monitors indicates a value three times the High alarm set point

OR

3.7.2 Any two of the three effluent monitors indicate a value equal or greater than the High alarm set point.

The three effluent monitors are:

TITLE	NO.
Main Plant Exhaust Stack	RMS-RE125 Channel 4 (4GE125)
Radwaste Vent. Exhaust	RMS-RE006 Channel 4 (4GE006)
Fuel Bldg. Vent. Exhaust	RMS-RE005 Channel 4 (4GE005)

OR

3.7.3 An unmonitored release is detected at the site boundary by teams with survey instruments.

3.8 Short Notification Message Form (SNMF) - Used for declaration of an emergency classification or changes to the Protective Action Recommendations (PARs). Notification must be made to State and local

authorities within approximately 15 minutes. The Short Notification Message Form contains information about the class of emergency, whether a release is taking place, potentially affected population and areas, and whether protective measures may be necessary.

4 RESPONSIBILITIES

4.1 Emergency Director:

4.1.1 assess and classify emergency conditions.

4.1.2 authorize doses in excess of 10CFR20 limits.

4.1.3 direct onsite activities in support of the Control Room.

4.1.4 authorize departures from license conditions or Technical Specifications in accordance with 10 CFR 50.54 (x).

4.1.5 determine need for onsite evacuation, personnel accountability, and implement search and rescue as required.

4.2 Recovery Manager:

4.2.1 provide overall management of River Bend Station (RBS) response activities.

4.2.2 provide notifications and make protective action recommendations to offsite authorities.

4.2.3 coordinate RBS response activities as required with offsite organizations.

4.2.4 ensure that offsite radiological conditions are measured and monitored.

4.2.5 review information being released to the Joint Information Center (JIC).

4.2.6 establish a Recovery Organization.

4.2.7 terminate the emergency.

4.3 TSC Manager - ensures that TSC is activated, manages TSC staff/resources in mitigation efforts, assesses plant conditions and recommends potential mitigation actions, ensures that notification message forms are properly filled out and completed on time, and that

TSC staff provide support functions per the applicable section(s) of this procedure.

5 GENERAL

5.1 Attachment 20, Technical Support Center Organization Chart is a typical makeup for the TSC.

5.2 Attachment 21, Technical Support Center Floor Plan is a typical setup for the TSC.

5.3 The TSC may be activated at any time, and shall be activated at an Alert, Site Area Emergency, or General Emergency declaration. Once activated, the TSC shall become operational as soon as possible after declaration of any of these emergency classifications. When TSC minimum staffing can be accomplished with onsite personnel, it is the goal to become operational within 45 minutes. Otherwise, it is the goal to become operational in 90 minutes.

5.4 Situations may arise where personnel responding to an emergency will not be able to access the emergency response facilities in the protected area (e.g. terrorist event). In these situations, TSC personnel should man the Emergency Operations Facility located in the Training Center and carry out the applicable steps of this procedure. Operations Support Center personnel should be staged in the Training Center classrooms. EOF personnel will report to the Alternate EOF in Baton Rouge to assume their duties as per EIP-2-022. Joint Information Center personnel should be directed to the Alternate JIC in Baton Rouge.

6 PROCEDURE

NOTE

The actions of this procedure may be completed in any sequence, however, the sequence presented is recommended.

6.1 Emergency Director

6.1.1 The Emergency Director should use Attachment 1 as a guideline. Document pertinent information on Attachment 19.

6.2 TSC Manager

6.2.1 The TSC Manager should use Attachment 2 as a guideline. Document pertinent information on Attachment 19.

6.3 Administrative Coordinator

6.3.1 The Administrative Coordinator should use Attachment 3 as a guideline. Document pertinent information on Attachment 19.

6.4 Communicator

6.4.1 The Communicator should use Attachment 4 as a guideline.

6.5 Radiation Protection Coordinator

6.5.1 The Radiation Protection Coordinator should use Attachment 5 as a guideline. Document pertinent information on Attachment 19.

6.6 Maintenance Support Coordinator

6.6.1 The Maintenance Support Coordinator should use Attachment 6 as a guideline. Document pertinent information on Attachment 19.

6.7 Reactor Engineer

6.7.1 The Reactor Engineer should use Attachment 7 as a guideline. Document pertinent information on Attachment 19.

6.8 Engineering Coordinator

6.8.1 The Engineering Coordinator should use Attachment 8 as a guideline. Document pertinent information on Attachment 19.

6.9 Mechanical/Electrical Engineers

6.9.1 The Mechanical Engineers and the Electrical Engineers should use Attachment 9 as a guideline. Document pertinent information on Attachment 19.

6.10 Operations Support Coordinator

6.10.1 The Operations Support Coordinator should use Attachment 10 as a guideline. Document pertinent information on Attachment 19.

6.11 Chemistry/Core Damage Assessment Coordinator

6.11.1 The Chemistry/Core Damage Assessment Coordinator should use Attachment 11 as a guideline. Document pertinent information on Attachment 19.

6.12 Security Coordinator

6.12.1 The Security Coordinator should use Attachment 12 as a guideline. Document pertinent information on Attachment 19.

6.13 TSC Habitability Technician

6.13.1 The TSC Habitability Technician should use Attachment 13 as a guideline. Document pertinent information on Attachment 19.

6.14 Data Facility Coordinator

6.14.1 The Data Facility Coordinator should use Attachment 14 as a guideline. Document pertinent information on Attachment 19.

6.15 Status Communicator

6.15.1 The Status Communicator should use Attachment 15 as a guideline.

6.16 ENS Communicator

6.16.1 The ENS Communicator should use Attachment 16 as a guideline. Document pertinent information on Attachment 19.

6.17 Administrative Support Personnel

6.17.1 The Administrative Support Personnel should use Attachment 17 as a guideline. Document pertinent information on Attachment 19.

7 DOCUMENTATION

Attachments 1-18 and 19 of this procedure will be sent to Permanent Plant Files (PPF) per EPP-2-100 by the Manager - Emergency Preparedness.

EMERGENCY DIRECTOR

ACTIVATION Date: _____ Action Completed Initial

NOTE

If the TSC has been directed to man the EOF due to inaccessibility to the protected area, refer to Attachment 22 for additional guidance.

1. Review status of emergency with the Shift Manager including offsite notifications and any work teams dispatched out of the Control Room. _____

2. Brief the TSC/OSC staff on the status of the emergency. _____

3. Review habitability determination and if necessary provide direction on evacuation of the TSC, OSC, or CR. _____

4. When informed by the TSC Manager that minimum staffing is available and ready to perform functions, announce that the TSC is operational and inform the EOF. _____

SUBSEQUENT ACTIONS

1. Brief OSC Director on teams dispatched from the Control Room.

NOTE

If the EOF is operational, RM duties can be transferred directly to the EOF from the Control Room.

2. When the TSC is ready to assume control:

   2.1 Contact the Shift Manager.

      2.1.1 Ensure that message control and dose assessment is transferred to the TSC.

      2.1.2 Transfer RM/ED duties from the Shift Manager.

      2.1.3 Request Shift Manager to make a sitewide announcement of change in RM/ED duties.

   2.2 Announce that the TSC has assumed RM/ED duties from the Control Room.

   2.3 Inform the EOF that the TSC has assumed control. _____

EMERGENCY DIRECTOR

SUBSEQUENT ACTIONS (Cont.'d)

NOTE

Items with an asterisk (*) are only performed if responsible for Recovery Manager duties.

3. Coordinate the transfer of Recovery Manager duties with the EOF.

4. Remain in the immediate TSC area, unless relieved by the TSC Manager.

5. Periodically update the TSC/OSC on plant conditions and emergency actions in progress.

6. Review and make emergency classification declarations in accordance with EIP-2-001, Classification of Emergencies.

7. Direct a Limited or Building Evacuation in accordance with EIP-2-026, Attachment 1, if unexpected radiological hazards or other emergency conditions occur which jeopardize personnel safety.

8. At an Alert, if desired, direct the Security Coordinator to perform a precautionary notification of all non-essential personnel, visitors, contractor personnel, and members of the public within the Owner Controlled Area.

9. At declaration of a Site Area Emergency or higher or if conditions jeopardize onsite personnel, refer to EIP-2-026, Attachment 2.

10. Determine the status of and need for persons sent to assembly areas and staging areas.

*11. Review and approve notification message forms for transmittal.

NOTE

Protective Action Recommendations (PARs) must be developed within 15 minutes of a General Emergency or data availability which requires upgrading the PARs.

*12. Issue Protective Action Recommendations as necessary.

a. Using Attachment 18, formulate Protective Action Recommendations (PARs) using dose projections, field monitoring data, or plant conditions. Unnecessary evacuation of the public is **NOT** considered a conservative decision. Do **NOT** recommend a PAR change that would shelter an area (PAS) that has already been recommended for evacuation.

EMERGENCY DIRECTOR

SUBSEQUENT ACTIONS (Cont.'d)

b. Review and discuss the protective actions to be recommended for the general public with the RP Coordinator.

c. Ensure the Siren System has been enabled in the Control Room or EOF before setting the siren sounding time with the State and local parishes.

d. Provide PARs to State and local authorities within 15 minutes. Once State and local authorities receive the PARs, the State and local authorities will have approximately 5 minutes to review the PARs.

e. When the Directors of all parishes and the Operations Officer (LHLS/EP) are on the Hotline, verify the PARs (Scenario Number) each parish intends to implement.

f. Write the scenario number approved and initial each parish choice on the PAR Verification Checklist provided by the Communicator.

g. Obtain siren sounding time from Operations Officer and document on PAR Verification Checklist.

*13. Revise PARs based on wind shifts when advised by the Radiation Protection Coordinator.

*14. If doses $\geq$ 1 rem TEDE or $\geq$ 5 rem CDE are projected at 10 miles, ensure LDEQ is aware of the need for protective actions beyond 10 miles.

15. Direct development and prioritization of corrective actions to mitigate the emergency.

16. Authorize departures from a license condition or a Technical Specification in accordance with 10 CFR 50.54 (x).

17. Authorize emergency response personnel to receive radiation exposures in excess of 10 CFR 20 limits as required in accordance with EIP-2-012, Radiation Exposure Controls.

18. Direct the Chemistry/Core Damage Assessment Coordinator to initiate PASS preparatory actions and PASS sample actions, as necessary.

19. Keep the Recovery Manager informed of the status of onsite emergency response activities.

20. If the OSC becomes uninhabitable, it will relocate to the TSC Conference Room. As necessary, assist the OSC Director in relocation.

EMERGENCY DIRECTOR

SUBSEQUENT ACTIONS (Cont.'d)

21. If the EOF is relocated to the Alternate EOF, assume duties as the Recovery Manager until the Alternate EOF is operational.

22. If the TSC is relocating, refer to Relocation Actions portion of this checklist.

*23. Terminate the emergency in accordance with the following criteria:

ALERT - Terminate the emergency when the Alert conditions are no longer met and the following have been accomplished:

1. The plant is in a stable condition.
2. Excessive releases of radioactivity to the environment have been terminated and no further potential for significant radioactivity releases exists.
3. No further potential for major damage to equipment exists.

SAE/GE- Terminate the emergency when the SAE/GE conditions are no longer met and the following has been accomplished:

1. The reactor is shut down, is in a stable, safe configuration, and adequate core cooling is available.
2. Excessive releases of radioactivity to the environment have been terminated and no further potential for significant radioactivity releases exists.
3. Offsite concentrations of radioactivity in the atmosphere or in waterways have dispersed to near background levels, excluding ground deposition.
4. The State of Louisiana, the local Parishes and the NRC concur in terminating the emergency.

*24. Notify the NRC and offsite authorities of the emergency termination.

*25. When a Site Area or General Emergency has been terminated, implement EIP-2-028, Recovery.

EMERGENCY DIRECTOR

RELOCATION ACTIONS

1. If the TSC becomes uninhabitable, the following personnel and their functions will transfer to the Control Room. These personnel should relocate with their facility procedure binders.

Emergency Director-	To report to the Shift Manager's desk to assume ED functions.
Reactor Engineer-	To report to the RE desk to provide support to operations.
Radiation Protection Coordinator-	To report to CADAP to perform dose assessment.
Operations Support Coordinator-	To report to the Shift Manager's desk to assist the ED.
TSC Communicator-	To report to the Communicator's desk to assume offsite communications if necessary.
ENS Communicator-	To report to the Communicator's desk to resume NRC communications.

2. The following personnel will report to the Main Control Room Brief Room to resume OSC functions. They should relocate with radios, SCBAs (with spare bottles), procedures, and forms.

OSC Director-	To provide briefings and control teams.
Electrician (1)	
Mechanic (1)	
I&C Technician (1)	
Radiation Protection Technician (1)	To perform habitability assessment and team coverage.
Senior Radiation Protection Technician-	To assist in team briefings and control offsite teams if necessary.

3. Determine with the Recovery Manager the disposition of remaining OSC and TSC personnel.

   a. Send to EOF to be utilized as additional resources (engineers).

   b. Send home to remain on standby.

DEACTIVATION

1. After receiving direction from the Recovery Manager, instruct the TSC Manager to deactivate the facility.

2. Ensure that all documentation is forwarded to the TSC Manager.

TSC MANAGER

ACTIVATION Date: _____ Action Completed

Initial

NOTE

If the TSC has been directed to man the EOF due to inaccessibility to the protected area, refer to Attachment 22 for additional guidance.

1. Ensure TSC PA system is turned on for the OSC to hear briefings. ____

2. Periodically announce that no eating, drinking, or chewing is allowed until habitability is determined. ____

3. Obtain status of habitability of the TSC from the RP Coordinator. Make announcement of status. ____

   a. If the TSC is uninhabitable, obtain concurrence from the Emergency Director and implement the Relocation Action portion of this checklist. ____

4. When the TSC is determined to be habitable, make announcement. ____

5. All minimum staffing personnel have completed the activation portion of their checklist and are prepared to perform functional responsibilities: ____

   a. Emergency Director
   b. Operations Support Coordinator
   c. Radiation Protection Coordinator
   d. Communicator
   e. Reactor Engineer (NOTE: RE may be located in Control Room.)

6. Inform the Emergency Director that the TSC is ready to be declared operational. ____

TSC MANAGER

SUBSEQUENT ACTIONS

NOTE

Items with an asterisk (*) are only performed if the TSC is responsible for Recovery Manager duties.

NOTE

Notifications to State and Local authorities must be made within approximately 15 minutes of a declaration of an emergency or Protective Action Recommendation (PAR) change using the Short Notification Message Form.

1. Assist Emergency Director (ED) with transfer of RM/ED duties, as necessary.

2. Ensure status boards are updated.

3. Ensure the OSC Director has had the TSC ventilation system placed in the emergency mode.

4. Relieve the Emergency Director as necessary. Remain in the immediate TSC area when functioning as the Emergency Director and make appropriate announcements.

*5. Prepare the appropriate Short Notification Message Form (SNMF).

*6. As soon as possible following the SNMF, prepare a Long Notification Message Form (LNMF) as shown on page 5 of this attachment. Refer to page 6 of this attachment for directions on completing the LNMF.

*7. Prepare a LNMF when significant changes to plant conditions occur that do not require an emergency escalation or change in PARs. During extended emergencies, time between LNMFs should not exceed 2 hours.

NOTE

The Technical Support Guidelines may be used to assess accident conditions.

TSC MANAGER

SUBSEQUENT ACTIONS (Cont.'d)

8. Coordinate TSC staff activities:

   a. Collection, retention, and transmittal of plant emergency conditions information.

   b. Design and installation of short term instrumentation and controls modifications.

   c. Design and installation of system modifications.

   d. Development of guidance for Operations personnel on the protection of the reactor core.

9. Ensure the Administrative Coordinator develops a long-term relief rotation list for the Control Room, TSC, and OSC.

10. Keep the Emergency Director informed of all activities.

11. If the OSC becomes uninhabitable, assist OSC Director in relocation of OSC personnel to the TSC Conference Room.

*12. Upon termination of the emergency, ensure that notifications are made to State and local authorities using the Long Notification Message Form.

RELOCATION ACTIONS

1. If the TSC becomes uninhabitable, the following personnel and their functions will transfer to the Control Room. These personnel should relocate with their facility procedure binders.

Emergency Director-	To report to the Shift Manager's desk to assume ED functions.
Reactor Engineer-	To report to the RE desk to provide support to operations.
Radiation Protection Coordinator-	To report to CADAP to perform dose assessment.
Operations Support Coordinator-	To report to the Shift Manager's desk to assist the ED.
TSC Communicator-	To report to the Communicator's desk to assume offsite communications if necessary.
ENS Communicator-	To report to the Communicator's desk to resume NRC communications.

TSC MANAGER

RELOCATION ACTIONS (Cont.'d)

2. The following personnel will report to the Main Control Room Brief Room to resume OSC functions. They should relocate with radios, SCBAs (with spare bottles), procedures, and forms.

   OSC Director- To provide briefings and control teams.
   Electrician (1)
   Mechanic (1)
   I&C Technician (1)
   Radiation Protection Technician (1)
   Senior Radiation Protection Technician-To assist in team briefings and control offsite teams if necessary.

3. Consult with the Emergency Director on disposition of remaining personnel.

   a. Send to EOF as additional resources (engineers).

   b. Send home to remain on standby.

DEACTIVATION

1. When directed by the Emergency Director, announce deactivation of the TSC.

2. Ensure that all equipment is returned. Report all damaged and/or missing equipment to the Manager - Emergency Preparedness.

3. Direct the TSC Communicator to terminate ERDS after receiving NRC concurrence.

4. Ensure that all documentation is forwarded to the Manager - Emergency Preparedness.

TSC MANAGER

NOTIFICATION MESSAGE FORM

1. THIS IS RIVER BEND NUCLEAR STATION WITH MESSAGE NUMBER _____

2. A. _____/_____ B. COMM: _____ C. TEL. NO: _____
(TIME/DATE) (NAME)

3. EMERGENCY CLASSIFICATION:
A. ☐ NOTIFICATION OF UNUSUAL EVENT C. ☐ SITE AREA EMERGENCY E. ☐ TERMINATED
B. ☐ ALERT D. ☐ GENERAL EMERGENCY

4. CURRENT EMERGENCY CLASSIFICATION ☐ DECLARATION ☐ TERMINATION

5. Time/Date: _____/_____

RECOMMENDED PROTECTIVE ACTIONS:
A. ☐ No Protective Actions Recommended At This Time (Go to item 6).
B. ☐ EVACUATE _____
☐ SHELTER _____

6. INCIDENT DESCRIPTION/UPDATE/COMMENTS: _____

7. REACTOR SHUTDOWN? ☐ NO ☐ YES Time/Date: _____/_____

8. METEOROLOGICAL DATA:
A. Wind direction FROM _____ Degrees at _____ MPH
B. Sectors Affected (A-R): _____
C. Stability Class (A-G): _____
D. Precipitation: ☐ None ☐ Rain ☐ Sleet ☐ Snow ☐ Hail ☐ Other _____

9. RELEASE INFORMATION:
A. ☐ No Release (Go to item 13) C. ☐ A RELEASE OCCURRED BUT STOPPED; Duration _____ hrs.
Release Stopped at _____ hrs.
B. ☐ A RELEASE IS OCCURRING: Expected Duration _____ hrs.
Release Started at _____ hrs.

10. TYPE OF RELEASE:
A. ☐ Radioactive Gases B. ☐ Radioactive Airborne Particulates C. ☐ Radioactive Liquids

11. RELEASE RATE:
A. NOBLE GASES _____ Ci/s B. IODINES _____ Ci/s

12. ESTIMATE OF PROJECTED OFF-SITE DOSE:
A. Projections for _____ hours based on: ☐ Field Data ☐ Plant Data
B. (TEDE) WB DOSE COMMITMENT (Rem) C. (CDE) THYROID DOSE COMMITMENT (Rem)
Site Boundary _____ 5 miles _____ Site Boundary _____ 5 miles _____
2 miles _____ 10 miles _____ 2 miles _____ 10 miles _____

13. MESSAGE APPROVED BY: _____ TITLE: _____

14. MESSAGE RECEIVED BY: _____ TIME: _____

PR00015M.CDR

TSC MANAGER

GUIDELINES FOR COMPLETING THE LNMF

	ESP_COMM	MANUAL METHOD
Line 1	Message Number automatic	Assign a message number. Number the messages sequentially until the emergency is terminated.
Line 2	2A Time/Date automatic upon transmission. 2B Comm: Select facility from pull-down menu. 2C Tel. No.: Indicate "hotline" unless alternate method is being used, then enter alternate method.	2A Enter Time/Date message was transmitted. 2B Comm.: Enter facility name. 2C Tel. No.: Indicate "hotline" unless alternate method is being used, then enter alternate method.
Line 3	Automatic from Short Form. If termination message, check "terminated".	Check appropriate classification or terminated.
Line 4	Automatic from Short Form. For termination, check "termination" and enter termination time/date.	Check either declaration or termination. Enter time/date of emergency declaration or termination.
Line 5	Check appropriate box(es). If PAR has been recommended, select appropriate protective actions and indicate scenario number.	Check appropriate box(es). If PARs have been recommended, indicate the scenario number.
Line 6	Enter description from Short Form. May add information as necessary. Use this line to correct any previous errors.	Enter description from Short Form. May add information as necessary. Use this line to correct any previous errors.
Line 7	Indicate if the reactor is shutdown. Information should be obtained from Operations. If yes, enter time/date.	Indicate if the reactor is shutdown. Information should be obtained from Operations. If yes, enter the time/date.
Line 8	Information for Lines 8A-C can be found on CADAP on the "values" screen. A backup to CADAP for meteorological data is the RM-21 printer in the TSC Computer Room (SB 123-04). 8A - Enter wind direction and speed. 8B - Enter the affected sectors according to the current wind direction. 8C - Enter stability class. 8D - Check appropriate box. *NOTE: 8 A-C are automatically completed when dose data is imported from CADAP.*	Information for Lines 8A-C can be found on CADAP on the "values" screen. A backup to CADAP for meteorological data is the RM-21 printer in the TSC Computer Room (SB 123-04). 8A - Enter wind direction and speed. 8B - Enter the affected sectors according to the current wind direction. 8C - Enter stability class. 8D - Check appropriate box.
Line 9	Determine if there is a release. 9A If no release, check block A and proceed to line 13. 9B/C If release has occurred or is occurring, check B or C as appropriate and enter duration and time release started/stopped. When checking B & C, be sure to import appropriate dose data.	Determine if there is a release. 9A If no release, check block A and proceed to line 13. 9B/C If release has occurred or is occurring, check B or C as appropriate and enter duration and time release started/stopped. When checking B & C, be sure to import appropriate dose data.
Line 10	Indicate the type of release. If there is no core damage, check 10A. If there is clad damage or fuel melt, check 10A & 10B. If the release is a liquid release, check 10C.	Indicate the type of release. If there is no core damage, check 10A. If there is clad damage or fuel melt, check 10A & 10B. If the release is a liquid release, check 10C.
Line 11	Imported from CADAP	Enter release rate. DRMS provides release rates in uCi/sec. These rates must be converted to Ci/sec. CADAP also provides this information through Notepad.
Line 12	12A Enter numbers of hours used and method used in dose calculation. 12B Import from CADAP.	12A Enter numbers of hours used and method used in dose calculation. 12B Obtain from CADAP results.
Line 13	Enter Recovery Manager/Emergency Director's name and "RM/ED" as title. RM/ED must review and approve NMFs prior to transmission.	Enter Recovery Manager/Emergency Director's name and "RM/ED" as title. RM/ED must review and approve NMFs prior to transmission.
Line 14	Leave blank. For use by parishes.	Leave blank. For use by parishes.

ADMINISTRATIVE COORDINATOR

ACTIVATION	Date: _____	Action Completed Initial

1. Call in Administrative personnel for the TSC and the OSC, using the Emergency Telephone Book located in the Administrative Coordinator's binder. ____

2. Verify that all required TSC staff members are present. If positions remain to be filled, obtain the Dialogics callout log from the TSC fax to determine which TSC staff members have responded. Call additional staff members as required. ____

3. Check with the TSC Data Facility Coordinator and verify that all TSC administrative equipment is functional. If problems or non-functional equipment is identified, improvise with the use of alternate equipment or initiate actions to repair or replace non-functional equipment. ____

4. Print daily report and ensure distribution.

SUBSEQUENT ACTIONS

1. Monitor TSC gaitronics speaker volume and adjust if necessary.

2. Verify with NRC personnel that the FTS 2001 phone lines are operational. Report any problems to the NRC Operations Center using a commercial phone and the numbers listed on the NRC phone.

3. Obtain a list of personnel located in the Protected Area from Security. This information can be utilized for later shift compliments.

4. Coordinate with the Admin/Logistics Advisor the procurement of additional supplies and resources as directed by the TSC staff. Coordinate delivery with the Admin/Logistics Advisor and the Security Coordinator. Notify TSC staff personnel of Estimated Time of Arrival for requested materials or resources. If the EOF has relocated, coordinate this with the Corporate Emergency Center (CEC) on the Corporate Hotline.

5. Using pages 3-7 of this attachment develop a staffing rotation list for TSC, OSC, and Control Room personnel. Contact the EOF Admin/Logistics Advisor for EOF RP technician and Chemistry technician staffing needs and the approved access route for responding personnel. Along with the TSC Manager, determine shift times. Coordinate with the Operations Support Coordinator to identify additional operations personnel needs. Contact the individuals on the list and inform them of the time that they are scheduled to report to the site and the approved route. Unless directed to do otherwise by the Operations Support Coordinator, call out (2) additional NCOs and (2) NEOs to augment the next shift.

ADMINISTRATIVE COORDINATOR

SUBSEQUENT ACTIONS (Cont'd)

6. Call the Admin/Logistics Advisor for updated information on any injured personnel. Periodically update the TSC Manager on the injured person(s) status.

RELOCATION ACTIONS

If TSC is relocating

1. Relocate as directed by the TSC Manager.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.
2. Ensure that all equipment, procedures, and drawings are properly stored.
3. Have administrative staff collect all documentation.
4. Ensure that all documentation is forwarded to the TSC Manager.

ADMINISTRATIVE COORDINATOR

OSC STAFF ROTATION
(12-Hour Shifts)

Position	1st Shift Date: Time:	2nd Shift Date: Time:	3rd Shift Date: Time:	4th Shift Date: Time:
OSC Director (1)				
Manager Electrical (1)				
Manager Mechanical (1)				
Manager I & C (1)				
Status Communicator (1)				
OSC Admin Support (1)				
Sr. RP Technician (1)				
Mechanical Maintenance (Ask Maint. Support Coordinator)				
Electrical Maintenance (Ask Maint. Support Coordinator)				
I&C Maintenance (Ask Maint. Support Coordinator)				

ADMINISTRATIVE COORDINATOR

OSC STAFF ROTATION (Cont.'d)
(12-Hour Shifts)

	1st Shift Date: Time:	2nd Shift Date: Time:	3rd Shift Date: Time:	4th Shift Date: Time:
Radiation Protection Technicians OSC (Ask RP Coordinator)				
TSC				
EOF				
Chemistry Technicians OSC (Ask Chemistry/Core Damage Assessment Coordinator) EOF				

ADMINISTRATIVE COORDINATOR

TSC STAFF ROTATION
(12-Hour Shifts)

Position	1st Shift Date: Time:	2nd Shift Date: Time:	3rd Shift Date: Time:	4th Shift Date: Time:
Emergency Director (1)				
TSC Manager (1)				
Reactor Engineer (1)				
Mechanical Engineer (Ask Engineering Coordinator)				
Electrical Engineer (Ask Engineering Coordinator)				
Engineering Coord. (1)				
Ops. Support Coord. (1)				
Maintenance Support Coordinator (1)				
Radiation Protection Coordinator (1)				
Chemistry/Core Damage Assessment Coord. (1)				
Security Coordinator (1)				
Status Communicator (1)				
Data Facility Coord. (1)				

ADMINISTRATIVE COORDINATOR

TSC STAFF ROTATION (Cont.'d)
(12-Hour Shifts)

Position	1st Shift Date: Time:	2nd Shift Date: Time:	3rd Shift Date: Time:	4th Shift Date: Time:
Administrative Coordinator (1)				
TSC Communicator (1)				
ENS Communicator (1)				
Administrative Support (Determined by Admin Coordinator)				

ADMINISTRATIVE COORDINATOR

CONTROL ROOM STAFF ROTATION
(12-Hour Shifts)

Position	1st Shift Date: Time:	2nd Shift Date: Time:	3rd Shift Date: Time:	4th Shift Date: Time:
Shift Manager (1 min)				
Control Room Supervisor (1 min)				
Nuclear Control Operators (3 min)				
Nuclear Equipment Operators (4 min)				
Shift Technical Advisor (1 min)				
TSC/CR Communicator (1 min)				
Additional Support				

COMMUNICATOR

ACTIVATION Date: _____ Action Completed Initial

1. Verify activation of Emergency Response Data System (ERDS). ____

2. Verify the operability of the following communications equipment:

   - State and Local Hotline, call the Emergency Operations Center (LHLS/EP) at 361. ____
   - Emergency Shutdown Line, call the OSC at 202. ____
   - Civil Defense Radio Console, call LHLS/EP ____
   - ESP Computer ____

3. Inform TSC Manager when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

NOTE

Notifications to State and local authorities must be made within approximately 15 minutes of a declaration of an emergency or Protective Action Recommendation (PAR) change using the Short Notification Message Form (SNMF).

Do NOT use the State/Local Hotline while a Notification Message Form is being transmitted because it will prevent receiving locations from getting a complete message.

1. Contact the Main Control Room Communicator to receive a status on offsite notifications.

2. Assume responsibility for notifications when directed by the ED.

3. Assist the TSC Manager in completing the appropriate Notification Message Form (NMF). Ensure that the RP Coordinator reviews all dose data prior to RM/ED review and approval to transmit. When directed, make notifications of the emergency to State and local authorities.

4. Verify NMF receipt with State and local authorities. Complete a new NMF Verification Checklist (page 3) for each message sent.

5. If an agency has not received the message, obtain message receipt verification from the other agencies and re-transmit the message (ESP Computer) to the non-receiving party.

6. If the message is still not received, read it to the agency(s), line by line. Message may be faxed as needed.

COMMUNICATOR

SUBSEQUENT ACTIONS (Cont'd)

7. If no contact is made with a location on the Hotline, call the location on the commercial telephone to verify receipt of message. If commercial telephones are inoperable, the Civil Defense Radio may be used.

8. If Protective Action Recommendations (PARs) are issued from the TSC:

   a. During the verification of message receipt on the Hotline, inform LHLS/EP and the Parish EOCs that you will call them back in five minutes for PAR confirmation.

   b. After five minutes, contact LHLS/EP and the five Parish EOCs. Using the PAR Verification Checklist on page 4, verify that the Directors or the Assistant Directors of all Parishes and the Operations Officer at LHLS/EP are on the Hotline.

   c. When verified, request the RM/ED to pick up the Hotline for PAR verification and give the RM/ED the PAR Verification Checklist.

9. Make follow-up notifications to State and local authorities as directed by the RM/ED.

10. Maintain a file of all notification message forms and verification checklists.

11. Ensure that Administrative personnel copy and distribute all Notification Message Forms to TSC staff.

12. Contact the EOF Communicator with status of offsite notifications.

13. Transfer notifications to the EOF Communicator when directed by the Emergency Director.

RELOCATION ACTIONS

If TSC is relocating, report to Communicator's desk in the Control Room with appropriate supplies to assume offsite notifications should the need arise.

If EOF is relocating, receive turnover from EOF Communicator and resume responsibilities for offsite notifications.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.

2. Ensure all messages are cleared and ESP Computer control is returned to the Control Room.

3. Ensure all documentation is forwarded to the TSC Manager.

COMMUNICATOR

NMF VERIFICATION CHECKLIST

Ensure at least one of the agencies in each of the following rows receives the message.

MESSAGE # _____

FACILITY	PHONE #	Hotline #	MSG. REC'D (Y/N/NA)
La. Dept. of Environmental Quality (LDEQ) (M-F - 8AM to 4PM only, LHLS/EP will notify all other times)	9-765-0160	371	
La. Office of Homeland Security & Emergency Preparedness (LHLS/EP) (State EOC)	9-925-7500 (24-hr. pt.)	361	
West Feliciana Parish (WFP)	EOC 9-635-4792	351	
	24-HR. PT. 9-635-3241	352	
East Feliciana Parish (EFP)	EOC 9-634-7269	341	
	24-HR. PT. 9-683-5459	342	
Pointe Coupee Parish (PCP)	EOC 9-694-9014	331	
	24-HR. PT. 9-694-3737	332	
East Baton Rouge Parish (EBRP)	EOC 9-389-2100	311	
	24-HR. PT. 9-389-3300	312	
West Baton Rouge Parish (WBRP)	EOC 9-346-1581	321	
	24-HR. PT. 9-343-9234	321	
Mississippi Emergency Management Agency (MEMA)	9-1-800-222-6362 (24 hr. pt.) 9-1-601-352-9100 (alternate)	381	
Mississippi Highway Patrol (MHP)	9-1-601-987-1530 (backup)	382	

Parish EOCs and LHLS/EP Operations Officer informed of 5-minute PAR verification phone call YES NO NA

Message Verified _____ _____
Communicator Signature/KCN Time/Date

COMMUNICATOR

PAR VERIFICATION CHECKLIST

Scenario # Recommended: _____ Date:_____

Communicator verifies that correct individuals are on line by placing a check mark on the appropriate line. The RM/ED will verify approved scenario and initial the form.

	RM/ED Initial	On Line
WEST FELICIANA PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
EAST FELICIANA PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
POINTE COUPEE PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
WEST BATON ROUGE PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
EAST BATON ROUGE PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
STATE OF LOUISIANA		
LHLS/EP Operations Officer		_____
Siren Sounding Time: _____	_____	

RADIATION PROTECTION COORDINATOR

ACTIVATION Date: _____ Action Completed Initial

NOTE

If no release is occurring or has occurred, the TSC may be presumed to be radiologically habitable without conducting surveys.

1. Using the following guidelines, evaluate radiological conditions and determine habitability of the TSC. Provide results to TSC Manager and post on status board. ____

Facility habitability is based on a maximum dose limit of 5 rem TEDE over an assumed 12 hour shift. A combination of 200 mR/hr to the whole body (Deep Dose Equivalent) **plus** an airborne concentration of 5E-6 µCi/cc radioiodine in the facility equates to a TEDE of approximately 5 rem in 12 hours.

NOTE

If DRMS or meteorological tower information is unavailable in the facility, have an individual dispatched to the Control Room to relay data. The onsite hotline, if available, may be used to relay this information. DRMS data may also be obtained from an ERIS computer.

2. Ensure that the RM-11 module of the DRMS is operable, as follows: ____

   a. Ensure that the RM-11 console and printer power switches are in the "ON" position.

   b. Check RM-11 console screen brightness by turning "BRIGHTNESS" button.

   c. If display does not appear on screen, flip "ALTERNATE/ PRIMARY" selector switch from one position to the other.

   d. Press any "Grid" button and display should appear on screen.

RADIATION PROTECTION COORDINATOR

ACTIVATION (CONT'D)

e. If display does not appear on screen, perform the following:

1. Obtain panel key from TSC key box.

2. Proceed through door SB123-04 to room #303 (Cable chase room) to check breaker(s).

3. Check breaker #27 and #29 on Panel #1VBN-PNL-06A.

4. If breaker(s) has tripped, reset breaker by taking switch to "OFF" position, then to the "ON" position.

5. Proceed as described in step "a." above.

3. Ensure that the RM-21 module of the DRMS is operable as follows: ____

a. Type "HELP MET" RETURN to obtain current meteorological information.

Type "HELP RAD" RETURN to obtain plant effluent and meteorological information.

Type "HELP" RETURN to view the "help" menus.

4. Verify operability of the onsite hotline. Call the OSC at 202. ____

5. Inform the TSC Manager when prepared to assume functional responsibilities. ____

RADIATION PROTECTION COORDINATOR

SUBSEQUENT ACTIONS

1. Check RP technician response to the Dialogics callout and current on-shift RP staffing. Have Administrative Coordinator contact additional technicians as necessary for the following:

NOTE

Offsite teams are expected to report in 75 minutes and be ready for deployment as soon as possible but no later than 90 minutes following notification.

   a. OSC Support (9)
C b. EOF as Habitability Technician
   c. TSC as Habitability Technician
   d. Offsite teams (2)

2. Obtain status of any monitoring teams previously dispatched by the Control Room.

3. As required, ensure the distribution of pocket dosimeters and TLDs to TSC personnel and announce the frequency at which they should be read.

4. As required, direct the establishment of a TSC contamination control point outside door # SB123-19.

5. Ensure OSC dispatches qualified personnel to refill SCBA bottles.

6. Review all notification message forms containing radiological data prior to transmission.

7. Periodically assess TSC habitability.

8. Assess plant radiological conditions and effectiveness of accident mitigation strategies.

9. Review dose projection calculations with the Emergency Director and keep him informed of offsite radiological data, both real time and projected doses.

10. If the TSC is issuing Protective Action Recommendations, perform the following:

    a. Using Attachment 18, recommend offsite Protective Action Recommendations to the Emergency Director, as necessary. Provide information without delay.

    b. Provide information for the applicable sections of the Notification Message Forms.

RADIATION PROTECTION COORDINATOR

SUBSEQUENT ACTIONS (Cont'd)

c. After initial PAR implementation, assuming no change in dose projections that would require an increase in PARs, wind shifts which change the scenario number, may trigger an increase in PARs to a higher level. To determine the appropriate PAR, review the emergency scenario maps and the National Weather Service (NWS) forecast. Do **NOT** recommend a PAR change that would shelter an area (PAS) that has already been recommended for evacuation. In addition, if NWS indicates continued wind shifts, consider the following:

- **Present PARs** - Evacuate 2 mile radius, evacuate 5 miles downwind, shelter the 10 mile radius and evacuate schools, institutions and recreation areas in the 5 mile radius (minimum PARs)

  Wind shifts - Evacuate 5 mile radius and shelter the 10 mile radius. (Scenario #12)

- **Present PARs** - Evacuate 5 mile radius, evacuate 10 miles downwind, shelter the remaining 10 mile radius and evacuate schools, institutions and recreation areas in the 10 mile radius.

  Wind shifts - Evacuate 10 mile radius. (Scenario #27)

d. When PARs are issued, provide recommended routes for personnel and deliveries into RBS.

e. If doses $\geq$ 1 rem TEDE or $\geq$ 5 rem CDE thyroid are projected at 10 miles, estimate the projected dose at 15, 20 and 25 miles as appropriate and inform the Emergency Director of the distance and downwind areas at which a PAG is estimated to be exceeded.

Estimate radiation doses beyond 10 miles using the following factors:

These ratios may be used regardless of Stability Class, Wind Speed or Time After Shutdown when the Core State = "Fuel Melt"

Radiation Dose at 15 miles = dose at 10 miles x 0.387
Radiation Dose at 20 miles = dose at 10 miles x 0.267
Radiation Dose at 25 miles = dose at 10 miles x 0.226

Ratios are applicable to either TEDE or CDE, although CDE Thyroid will normally be the dominant factor.

RADIATION PROTECTION COORDINATOR

SUBSEQUENT ACTIONS (Cont'd)

11. At an Alert if the EOF is not operational, coordinate with the OSC Director to dispatch personnel for radiological and environmental monitoring in accordance with EIP-2-014, Offsite Radiological Monitoring. Even though it is **NOT** required at an Alert emergency classification, it is a good practice to assess radiological conditions near the site boundary to verify whether or not a release has occurred.

12. Upon declaration of a Site Area Emergency or higher, assist the Emergency Director in determining the evacuation egress point and assembly area to be used in the Owner Controlled Area evacuation. Dispatch two Radiation Protection Technicians, as a minimum, to perform monitoring and decontamination (see EIP-2-026).

13. Coordinate with the Security Coordinator on protective actions for security personnel.

14. Monitor for radiological release that may impact evacuees at Assembly Area or personnel at staging area. Inform Emergency Director of need to relocate evacuees or personnel, as necessary.

15. Determine personnel exposure margins. Assist the Emergency Director in authorizing emergency exposure limits in excess of 10 CFR 20 in accordance with EIP-2-012, Radiation Exposure Controls.

16. Advise the Emergency Director on the use of Potassium Iodide (KI) in accordance with EIP-2-012. KI is stored in the decontamination room, second floor services building, Main Control Room, and TSC RP lockers.

17. Assist the Radiation Protection Advisor in obtaining Emergency Director authorization for use of KI by offsite teams.

RELOCATION ACTIONS

If the TSC is relocating:

1. Receive dose assessment turnover from Chemistry/Core Damage Assessment Coordinator and report to CADAP computer in control room to assume those responsibilities as needed. Take laptop dose assessment computer and battery charger located in TSC RP locker.

2. Assume normal RP Coordinator responsibilities in control room to support mitigation activities.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.

2. Ensure that all documentation is forwarded to the TSC Manager.

MAINTENANCE SUPPORT COORDINATOR

ACTIVATION Date: _____ Action Completed Initial

1. Obtain the status of work teams dispatched by the Control Room and/or the OSC. ____

2. Ensure that the TSC/OSC Video link is operational. ____

SUBSEQUENT ACTIONS

1. Ensure that OSC is placing TSC ventilation in the emergency mode.

2. Ensure that the Engineering Coordinator and TSC Manager are advised on status of repairs and corrective actions in the plant.

3. Ensure initiation of Work Orders and coordinate repair and corrective actions with the OSC Manager.

4. Coordinate work team dispatch by obtaining the work team NAME and PRIORITY from the Emergency Director.

5. Ensure that work teams receive briefings from the Engineering Coordinator or Mechanical/Electrical Engineers as applicable.

6. Post the work team on the TSC/OSC Video link, using the Video link form (Page 2 of this attachment).

7. Track personnel leaving the TSC envelope. Advise the OSC to expect their arrival in that facility and that they should be tracked as a team.

RELOCATION ACTIONS

If TSC is relocating:

1. Relocate as directed by the TSC Manager.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.

2. Ensure that all documentation is forwarded to the TSC Manager.

MAINTENANCE SUPPORT COORDINATOR

(Typical)

Note: All teams must have a priority assigned by the Emergency Director.

Time:_____

Priority	Assignment	B = In Briefing O = Out

REACTOR ENGINEER

ACTIVATION

Date: _____

Action Completed Initial

1. Inform the TSC Manager if in the Control Room and estimate your time of arrival in the TSC. ____

SUBSEQUENT ACTIONS

NOTE

The Technical Support Guidelines may be used to assess accident conditions.

1. Along with the Chemistry/Core Damage Assessment Coordinator and Technical Advisor analyze core parameters to determine core conditions. Use COP - 1050, Post Accident Estimation of Fuel Core Damage.

2. Review proposed plant operations and assess the effect on core condition.

3. Develop recommendations on plant operations that would improve or stabilize core conditions.

4. Keep the Chemistry/Core Damage Assessment Coordinator and Technical Advisor informed on core conditions.

5. Report to the Control Room, as necessary, and return to the TSC.

RELOCATION ACTIONS

If the TSC is relocating:

1. Transfer to Reactor Engineer workstation in control room and resume functions.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.

2. Ensure that all documentation is forwarded to the TSC Manager.

ENGINEERING COORDINATOR

ACTIVATION Date: _____ Action Completed Initial

1. Obtain plant status from the Operations Support Coordinator. ____
2. Ensure that the engineering staff are assembled and prepared to perform their functional responsibilities. ____
3. Contact the Engineering Support Advisor on engineering activities underway. ____

SUBSEQUENT ACTIONS

1. Provide advice on plant repair and corrective actions.

NOTE

The Technical Support Guidelines may be used to assess accident conditions.

2. Consult with Maintenance Support Coordinator on maintenance operations. Follow up on OSC activities.
3. Provide briefings to the work teams on maintenance operations, as necessary.
4. Direct the activities of the engineering staff.
5. Request EOF engineering assistance as needed.
6. Keep the Engineering Support Advisor and the TSC Manager informed of engineering activities.
7. Assess the need for additional engineering specialists. Make recommendations to the TSC Manager.

RELOCATION ACTIONS

If TSC is relocating

1. Relocate as directed by the TSC Manager.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.
2. Ensure that all documentation is forwarded to the TSC Manager.

MECHANICAL/ELECTRICAL ENGINEERS

ACTIVATION	Date: _____	Action Completed Initial
1. Obtain plant status from the Engineering Coordinator.		____
2. Ensure that prints and drawings are available. If not, have the Data Facility Coordinator assist in obtaining what is needed.		____
3. Set up the flip chart for tracking engineering activities.		____
4. Verify engineering computers are functional.		____
5. Inform the Engineering Coordinator when prepared to perform functional responsibilities.		____

SUBSEQUENT ACTIONS

1. Provide advice on plant repair and corrective actions.
2. Consult with the Engineering Coordinator on maintenance operations.
3. Provide repair team briefings as requested.
4. Inform the Maintenance Support Coordinator prior to leaving the TSC to go to the OSC for work team assignments.
5. Track engineering activities on the flip chart for TSC staff information.
6. Keep the Engineering Coordinator informed of activities.

RELOCATION ACTIONS

If TSC is relocating:

1. Relocate as directed by the TSC Manager.

DEACTIVATION

1. When directed by the Engineering Coordinator, deactivate the TSC.
2. Ensure that all documentation is forwarded to the Engineering Coordinator.

OPERATIONS SUPPORT COORDINATOR

ACTIVATION Date: _____ Action Completed Initial

1. Verify ERIS monitor is operational. If power is not available, perform the following: ____

   a. Obtain panel key from TSC key box.
   b. Proceed through door SB123-04 to room #303 (Cable chase room).
   c. Check breaker panel 1VBN-PNL06.
   d. If the main breaker and/or other breakers have tripped, switch to the "OFF" position, then switch to the "ON" position.

2. If ERIS monitor is inoperable, obtain plant parameters from the Control Room. ____

3. Inform the TSC Manager when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Establish contact with the TSC/CR Communicator.

2. Identify operators in the field and teams dispatched by the Shift Manager to the Maintenance Support Coordinator.

3. Ensure that the Emergency Director is kept informed of:

   a. Current plant conditions.

   b. Actions being performed or anticipated to mitigate the accident.

   c. Repairs and investigations initiated.

NOTE

The Technical Support Guidelines may be used to assess accident conditions.

4. Follow the EOPs/SAPs and keep the Emergency Director informed on status.

5. Keep the Operations Advisor and the Shift Manager informed of activities.

6. Review emergency classification and recommend upgrading of the emergency in accordance with EIP-2-001, Classification of Emergencies.

OPERATIONS SUPPORT COORDINATOR

RELOCATION ACTIONS

If TSC is relocating:

1. Relocate to control room to assist Emergency Director as necessary.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.
2. Ensure that all documentation is forwarded to the TSC Manager.

CHEMISTRY/CORE DAMAGE ASSESSMENT COORDINATOR

ACTIVATION Date: _____ Action Completed Initial

1. Verify the operability of CADAP. ____

2. Verify operability of the offsite/onsite monitoring team radio by contacting the following locations:

   - EOF on the OFF/RAD channel ____
   - OSC on the ON/RAD channel ____

3. Inform the RP Coordinator when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

NOTE

The Technical Support Guidelines may be used to assess accident conditions.

1. As necessary, contact the Chemistry Technician in the Control Room to receive a turnover on dose assessment activities. Assume control of dose assessment when directed by the Emergency Director (ED).

2. Check chemistry technician response to the Dialogics callout and current on-shift chemistry technician staffing. Have Administrative Coordinator contact additional technicians as necessary for the following:

   a. OSC support (2)
   b. Offsite teams (2)

3. Contact the ARAC or Operations Support Coordinator to determine if any DRMS or meteorological parameters used in dose calculations are in a Limiting Condition for Operation (LCO) and inform the RP Coordinator of any limitations.

4. Perform dose assessment calculations in accordance with EIP-2-024, Offsite Dose Calculations. Provide results to RP Coordinator.

5. Keep RP Coordinator informed of changes in wind direction.

6. Coordinate with Reactor Engineer in analyzing core parameters. To determine core conditions, use COP - 1050, Post Accident Estimate of Fuel Core Damage. Provide information to the TSC Manager and Technical Advisor.

CHEMISTRY/CORE DAMAGE ASSESSMENT COORDINATOR

SUBSEQUENT ACTIONS (cont'd)

7. Verify operability of backup CADAP computer stored in the TSC RP locker. Place the lap top computer battery on charge.

8. Recommend the performance of PASS preparatory actions and PASS sample actions in accordance with EIP-2-015, Post Accident Sampling Operations, as necessary.

9. Direct PASS activities through the Maintenance Support Coordinator.

10. Develop and implement methods to process liquid and gaseous radioactive waste accumulated during the emergency.

RELOCATION ACTIONS

If the TSC is relocating:

1. Provide dose assessment turnover to RP Coordinator and relocate as directed by the TSC Manager.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.

2. Ensure that all documentation is forwarded to the TSC Manager.

SECURITY COORDINATOR

ACTIVATION Date: _____ Action Completed Initial

1. Notify the alarm station(s) of presence in TSC. ____

2. Ensure that the lock plates of TSC doors SB123-03 and SB123-01 are flipped and the doors are locked and signs posted. Activate card reader on door SB123-12. Ensure that TSC personnel have carded in on the accountability card reader. ____

3. If card reader is inoperable, prepare manual list of personnel and maintain accountability. ____

4. Obtain from Security Alarm Station compensation positions and locations. ____

5. Verify that the OSC card reader is activated. If inoperable, ensure that the OSC Manager maintains a manual list of personnel. ____

6. Verify that the Control Room card reader is activated. If inoperable, ensure that the Shift Manager maintains a manual list of personnel. ____

SUBSEQUENT ACTIONS

NOTE:

Prior to a formal OCA evacuation, the Emergency Director may direct Security to notify members of the public known to be in the OCA to evacuate River Bend property. Security may make this notification using any communications method (i.e., telephone, direct contact, etc.).

1. Begin preparations for possible Owner Controlled Area evacuation. Contact local law enforcement to determine any impediments to routes leaving the site (e.g. bridges out, toxic releases, etc.) Inform Emergency Director as needed.

2. Inform TSC Manager if leaving the facility.

3. Obtain alpha listing report for Administrative Coordinator.

4. Ensure that Security Shift Supervisor is advised periodically on plant emergency.

5. Coordinate with the Radiation Protection Coordinator the necessary actions to protect security personnel.

   a. Monitor wind direction in relation to security positions.

SECURITY COORDINATOR

SUBSEQUENT ACTIONS (cont'd)

b. Keep the alarm stations informed of any changes in plant conditions which could present a hazard to security personnel or cause an increase in radiological conditions.

c. Coordinate with the RP Coordinator the exposure limits of security personnel. Coordinate with the Security Shift Supervisor the reading of dosimetry by security personnel and take compensatory actions as appropriate.

d. Ensure that alarm stations maintain accountability of the security force.

6. At a Site Area Emergency or higher, perform evacuation and accountability in accordance with EIP-2-026.

7. Keep the Emergency Director and TSC Manager informed of any security contingency events and actions in progress. Coordinate with them any ERO actions requested by the Security Shift Supervisor (ie. Evacuation requests, shelter requests, bomb search actions).

8. Notify the Security Shift Supervisor of vehicles needing entry into the Protected Area.

RELOCATION ACTIONS

1. Relocate as directed by the TSC Manager.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.

2. Inform the Security Shift Supervisor of the TSC deactivation.

3. Ensure that all documentation is forwarded to the TSC Manager.

TSC HABITABILITY TECHNICIAN

ACTIVATION Date: _____ Action Completed Initial

1. Perform operational checks on monitoring equipment prior to use. ____

2. Perform radiation and airborne radioactivity surveys in accordance with RPP-0006, Radiological Monitoring or applicable attachment of EIP-2-014, Offsite Radiological Monitoring to ensure that the TSC is habitable. Report survey results to the Radiation Protection Coordinator. ____

3. Inform the RP Coordinator when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. When directed by RP Coordinator, distribute pocket dosimeters and TLDs. Document on page 3 of this attachment.

2. Establish a contamination control point outside of door SB123-19, as directed. If needed, coordinate with OSC Habitability Technician the establishment of a clean path between TSC and OSC.

3. If personnel entering the TSC are contaminated, notify the RP Coordinator and arrange for decontamination by the OSC.

4. Perform periodic surveys of the TSC.

5. Keep the RP Coordinator informed of all activities.

RELOCATION ACTIONS

If the TSC is relocating:

1. Relocate to the control room when directed by the TSC Manager. Upon arrival resume habitability assessment and provide team coverage if necessary. Utilize supplies located in the Emergency Planning locker located in the control room.

DEACTIVATION

1. When directed by the RP Coordinator, deactivate the TSC.

2. Ensure that all dosimeters and TLDs that were distributed are collected.

TSC HABITABILITY TECHNICIAN

DEACTIVATION (cont'd)

3. Ensure that all monitoring instrumentation is stored and operable. Report problems to the RP Coordinator.

4. Ensure that all documentation is forwarded to the RP Coordinator.

TSC HABITABILITY TECHNICIAN

(Typical)

Date: _____

TLD	Name (Last,First,MI) Print	SSN	Returned (▶)

DATA FACILITY COORDINATOR

ACTIVATION

Date: _____

Action Completed Initial

1. Verify availability of TSC drawings. If necessary, obtain drawings from Drawing Control Center. ____

2. Develop a list of non-functional administrative equipment and present to Administrative Coordinator. ____

3. Inform the Administrative Coordinator when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Obtain reference materials as requested.

2. Assist the Administrative Coordinator, as necessary.

3. Provide document support for the OSC, as necessary.

RELOCATION ACTIONS

If the TSC is relocating:

1. Relocate as directed by the TSC Manager.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.

2. If necessary, ensure that all drawings are returned to the Drawing Control Center.

3. Ensure that all reference materials are returned to the appropriate storage location.

4. Ensure that all documentation is forwarded to the TSC Manager.

STATUS COMMUNICATOR

ACTIVATION

Date: _____

Action Completed Initial

1. Ensure that the headset is operable. ____

2. Update status boards with current information from ERIS data sheets, Notification Message Forms, and headset circuit. ____

2. Have Administrative Coordinator call out another Status Communicator, if needed. ____

SUBSEQUENT ACTIONS

1. Continually update all status boards with current information from ERIS, Notification Message Forms, and information obtained over the headset or from the Operations Support Coordinator or Maintenance Support Coordinator.

2. Ensure that the Operations Support Coordinator and TSC Manager periodically verify the accuracy of status board information.

RELOCATION ACTIONS

If the TSC is relocating:

1. Relocate as directed by the TSC Manager.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.

2. Ensure that all documentation is forwarded to the TSC Manager.

ENS COMMUNICATOR

ACTIVATION

Date: _____

Action Completed Initial

1. Proceed to the Control Room and relieve the TSC/Control Room Communicator or Control Room Communicator of the NRC notification duties. ____
2. Inform the TSC Manager that you are in the Control Room. ____
3. When the TSC becomes operational, inform the NRC that you are relocating duties to the TSC. Report to the TSC. ____

SUBSEQUENT ACTIONS

1. Communicate plant status as requested. Keep the NRC informed of the following:
   a. Degradation in the level of safety in the plant or worsening plant conditions.
   b. Results of ensuing evaluations or assessments of plant conditions.
   c. Effectiveness of response or protective measures taken.
   d. Information related to plant behavior that is not understood.
   e. Changes in classifications or Protective Action Recommendations (PARs).
2. When the NRC requests, have the HPN Communicator establish contact with the NRC.
3. If in doubt about information, check with Operations Support Coordinator and TSC Manager on accuracy of your information prior to passing it on to the NRC.
4. Upon termination of the emergency, notify the NRC.

RELOCATION ACTIONS

If TSC is relocating:

1. Report to the Communicator's desk in the control room to resume ENS duties.

DEACTIVATION

1. When directed by the TSC Manager, deactivate the TSC.
2. Inform the NRC and obtain concurrence to deactivate ENS duties.
3. Ensure that all documentation is forwarded to the TSC Manager.

ADMINISTRATIVE SUPPORT

ACTIVATION

Date: _____

Action Completed Initial

1. Test the operability of administrative equipment which includes but is not limited to:

   - copier ____
   - fax ____
   - ERIS laser printer ____
   - Electronic document printer ____

2. Obtain all previous Notification Message Forms. Copy and distribute to TSC staff. ____

3. Assist the TSC staff in facility activation. ____

4. Inform the Administrative Coordinator when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Continuously retrieve, copy and distribute ERIS data (as necessary), and Notification Message Forms.

2. Bring or fax information to the OSC as necessary.

3. Retrieve drawings, procedures, and documents.

4. Provide clerical support as directed by the Administrative Coordinator.

RELOCATION ACTIONS

If TSC is relocating:

1. Relocate as directed by the TSC Manager.

DEACTIVATION

1. When directed by the Administrative Coordinator, deactivate the TSC.

2. Ensure that all procedures, drawings, reference materials and equipment are stored in the appropriate location and condition.

3. Ensure that all documentation is forwarded to the TSC Manager.

PROTECTIVE ACTION RECOMMENDATIONS (PARS)

PAR FLOW CHART

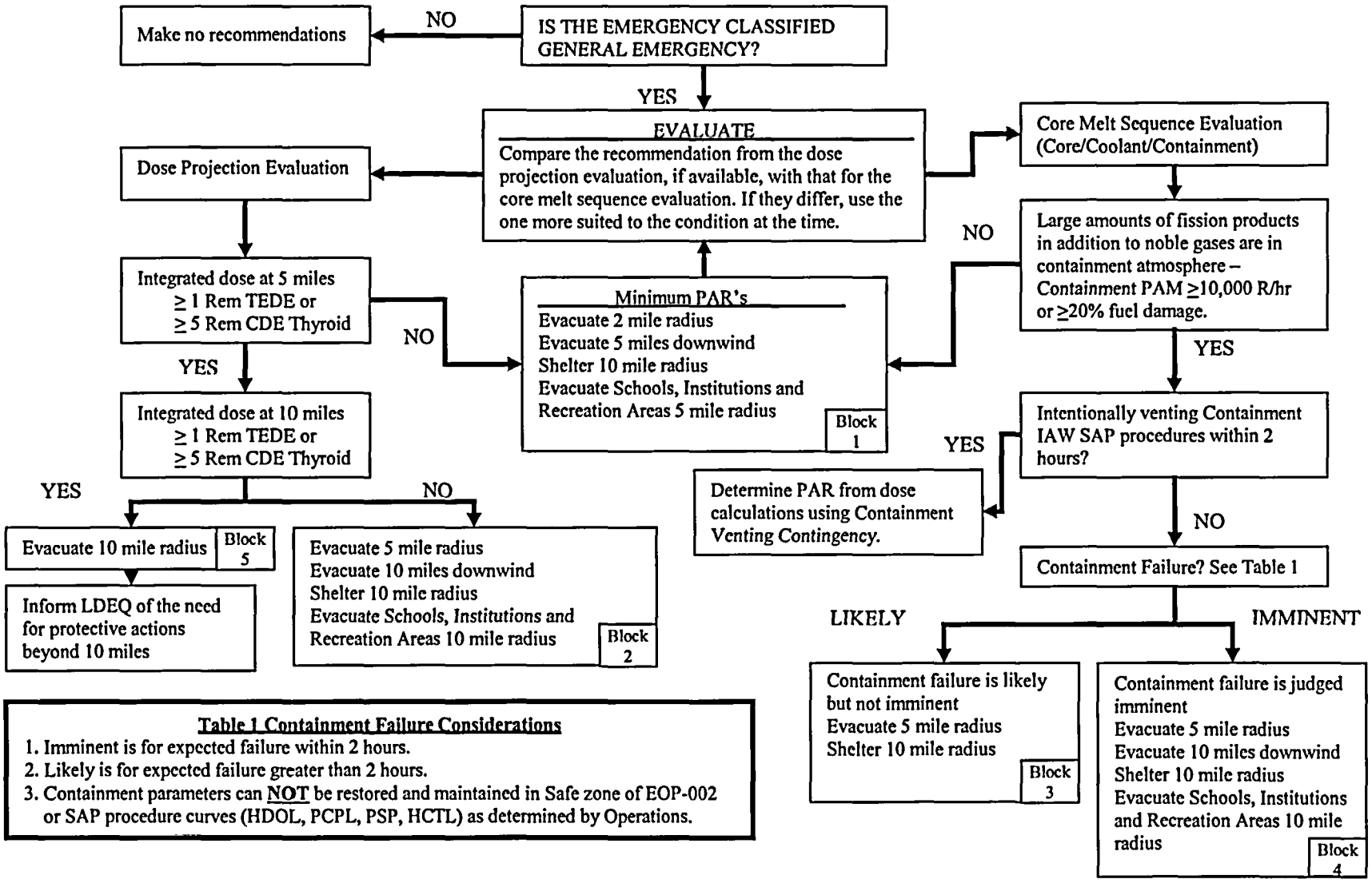


Table 1 Containment Failure Considerations

1. Imminent is for expected failure within 2 hours.
2. Likely is for expected failure greater than 2 hours.
3. Containment parameters can **NOT** be restored and maintained in Safe zone of EOP-002 or SAP procedure curves (HDOL, PCPL, PSP, HCTL) as determined by Operations.

PROTECTIVE ACTION RECOMMENDATIONS (PARS)

BLOCK 1

PROTECTIVE ACTION FLOWCHART
EVACUATE 2 MILE RADIUS AND EVACUATE 5 MILES DOWNWIND AND SHELTER THE 10 MILE RADIUS AND EVACUATE SCHOOLS, INSTITUTIONS, RECREATION AREAS 5 MILE RADIUS.

Locate the wind direction to find the appropriate scenario number to use.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
168.76-191.25	1	A	R & B
191.26-213.75	1	B	A & C
213.76-236.25	2	C	B & D
236.26-258.75	3	D	C & E
258.76-281.25	4	E	D & F
281.26-303.75	4	F	E & G
303.76-326.25	5	G	F & H
326.26-348.75	5	H	G & J
348.76-11.25	6	J	H & K
11.26-33.75	7	K	J & L
33.76-56.25	8	L	K & M
56.26-78.75	8	M	L & N
78.76-101.25	9	N	M & P
101.26-123.75	10	P	N & Q
123.76-146.25	10	Q	P & R
146.26-168.75	11	R	Q & A

BLOCK 3

PROTECTIVE ACTION FLOWCHART
EVACUATE 5 MILE RADIUS AND SHELTER THE 10 MILE RADIUS.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTORS
ANY	12	ALL	ALL

PROTECTIVE ACTION RECOMMENDATIONS (PARS)

BLOCK 2 OR 4

PROTECTIVE ACTION FLOWCHART
EVACUATE 5 MILE RADIUS AND EVACUATE 10 MILES DOWNWIND AND SHELTER THE 10 MILE RADIUS AND EVACUATE SCHOOLS, INSTITUTIONS, RECREATION AREAS 10 MILE RADIUS.

Locate the wind direction to find the appropriate scenario number to use.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
168.76-191.25	13	A	R & B
191.26-213.75	14	B	A & C
213.76-236.25	15	C	B & D
236.26-258.75	15	D	C & E
258.76-281.25	16	E	D & F
281.26-303.75	17	F	E & G
303.76-326.25	18	G	F & H
326.26-348.75	19	H	G & J
348.76-11.25	20	J	H & K
11.26-33.75	21	K	J & L
33.76-56.25	22	L	K & M
56.26-78.75	23	M	L & N
78.76-101.25	24	N	M & P
101.26-123.75	25	P	N & Q
123.76-148.25	25	Q	P & R
148.26-168.75	26	R	Q & A

BLOCK 5

PROTECTIVE ACTION FLOWCHART
EVACUATE 10 MILE RADIUS

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
ANY	27	ALL	ALL

LOG FORM

(Typical)

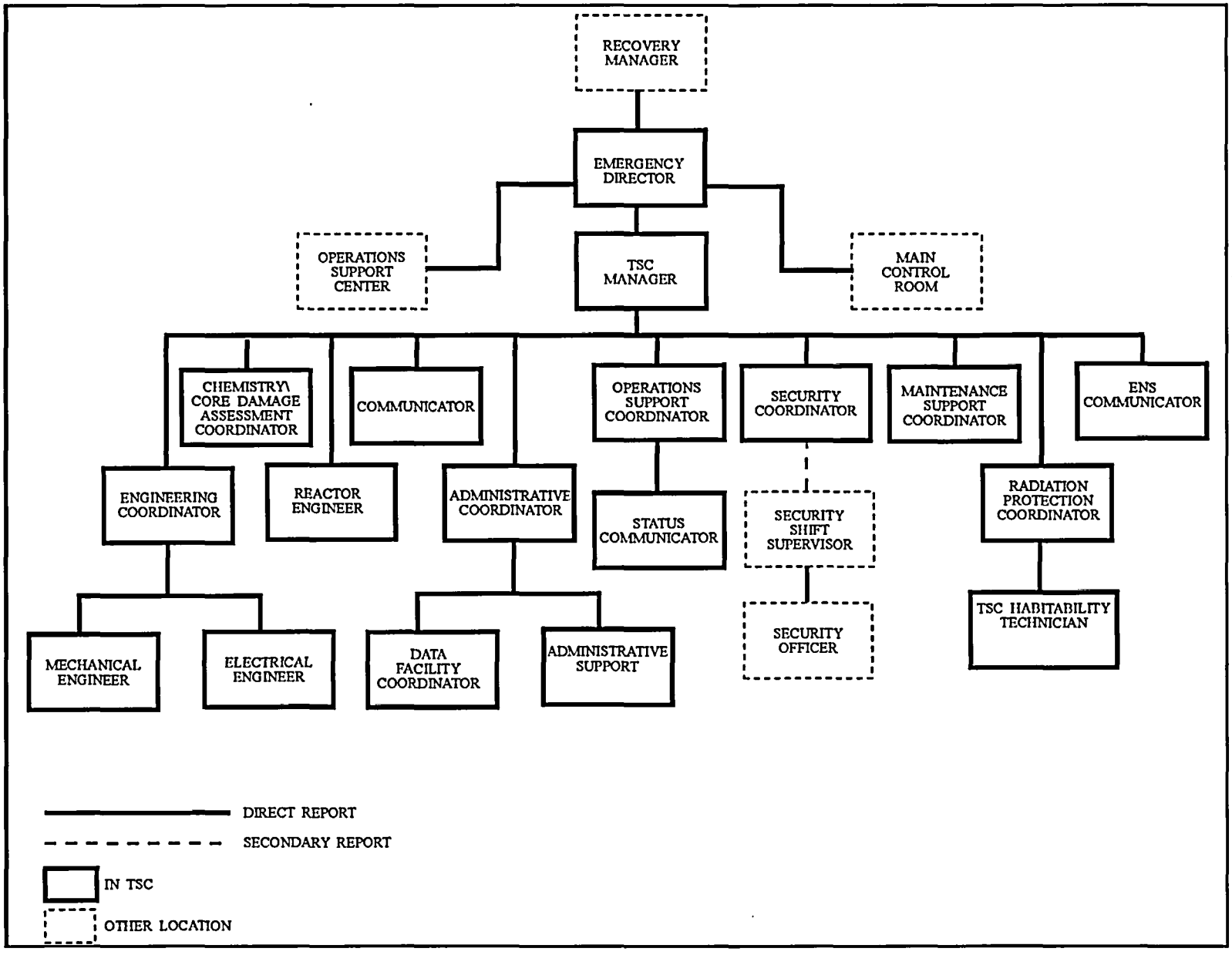
Name:_____ Date:_____

Position:_____ Page____ of ____

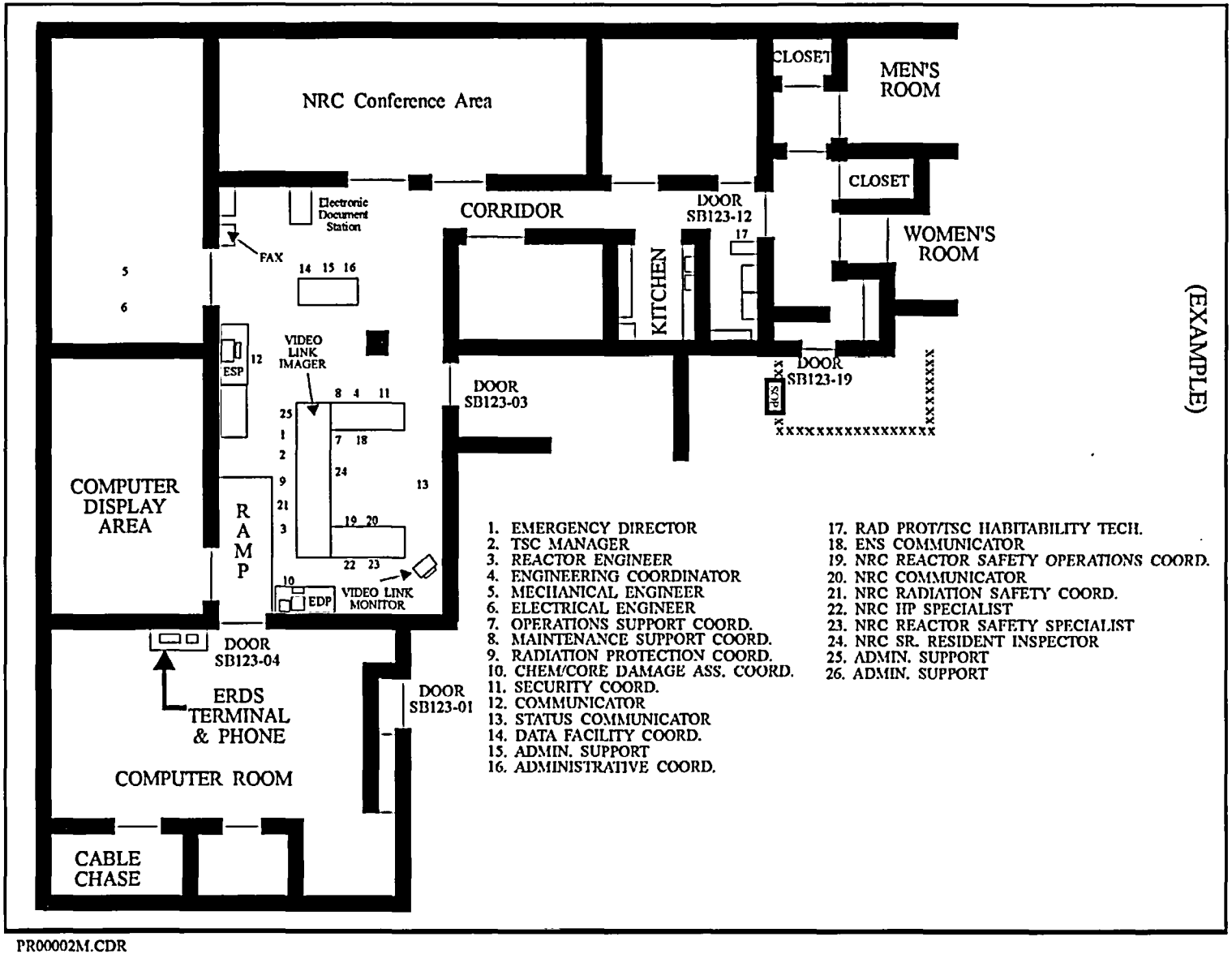
TIME	ACTIVITY
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____
____	_____

TECHNICAL SUPPORT CENTER ORGANIZATION CHART

PR00007M.CDR



TECHNICAL SUPPORT CENTER FLOOR PLAN



PR00002M.CDR

TSC STAFF TO EOF RELOCATION GUIDELINES

NOTE

Unforeseen factors may arise which make predetermined actions ineffective or impractical in certain circumstances. In these instances, the Emergency Director may use his discretion in taking alternate courses of action based on available information.

Situations may arise where personnel responding to an emergency will not be able to access the emergency response facilities in the protected area (e.g. terrorist event). In these situations, TSC personnel should man the Emergency Operations Facility located in the Training Center, while Operations Support Center personnel should be staged in the Training Center classrooms. EOF personnel will report to the Alternate EOF in Baton Rouge to assume their duties as per EIP-2-022 and Joint Information Center personnel should be directed to the Alternate JIC in Baton Rouge.

Arriving TSC personnel should be directed to man the chairs normally occupied by their EOF counterparts as per the EOF floor plan contained in EIP-2-020. Personnel should be directed to carry out the applicable steps of EIP-2-018 with the following exceptions:

1. Reactor Engineer – locates to the dose assessment room. Monitors ERIS and DRMS and assists in core damage assessment as appropriate.

2. Security Coordinator – if a security incident, locates to the chair of the Technical Advisor and coordinates law enforcement response with plant security. Establishes controls for access to EOF. Maintains EOF accountability. Coordinates with Security Shift Supervisor responses of teams to the site.

3. Maintenance Coordinator – locates to Events Information Team chair and coordinates activities with OSC personnel and Security Coordinator. The Maintenance Coordinator should refer to the Attachment 11 of EIP-2-020 for guidance on placing the EOF ventilation in the emergency mode.

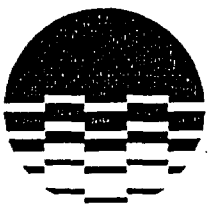
4. Operations Support Coordinator and Radiation Protection Coordinator should refer to Attachments 6 and 10 of EIP-2-020 for breaker locations for ERIS and DRMS should they not be operable.

As soon as possible, communications should be established with the Recovery Manager/Emergency Director (OSM) and a transfer made of offsite notifications and dose assessment. These responsibilities should then be transferred to the Alternate EOF upon that facility becoming operational.

Any offsite agencies whose assistance is needed should be incorporated into the site response as per established plans.

REFERENCE USE

*G12.23.2



ENTERGY

RIVER BEND STATION
STATION SUPPORT MANUAL
***EMERGENCY IMPLEMENTING PROCEDURE**

**EMERGENCY OPERATIONS FACILITY*

PROCEDURE NUMBER:	***EIP-2-020**
REVISION NUMBER:	***26**
Effective Date:	*** 10/20/03**

NOTE : SIGNATURES ARE ON FILE.

*INDEXING INFORMATION

TABLE OF CONTENTS

1 PURPOSE

This procedure provides instructions for activation, operation, and deactivation of the Emergency Operations Facility (EOF).

2 REFERENCES

2.1 RPP-0006, Radiological Surveys

2.2 RP-104, Personnel Decontamination Event

2.3 EIP-2-012, Radiation Exposure Controls

2.4 EIP-2-014, Offsite Radiological Monitoring

2.5 EIP-2-024, Offsite Dose Calculations

2.6 EIP-2-028, Recovery

2.7 EPP-2-100, Procedure Review, Revision and Approval

2.8 Institute of Nuclear Power Operations (INPO) Resource Manual

3 DEFINITIONS

3.1 Activation - The process of assembling personnel, verifying equipment operability, and making a facility ready to support the emergency response.

3.2 Augmentation - Actions taken to support onshift personnel or the Emergency Response Organization.

3.3 Operational - Status of an emergency facility declared by the appropriate facility manager upon determining that the facility is adequately staffed and equipment is set up and available to perform the emergency functions assigned to that facility.

3.4 Imminent – Mitigation actions have been ineffective and trended information indicates that the event or condition will occur within 2 hours.

3.5 Habitable - For the purpose of this procedure, the term habitable is based solely on radiological conditions, however, the EOF Manager may declare the facility uninhabitable based on other conditions.

3.6 Radioactive release - For the purpose of offsite notifications, and discussions with State and local authorities, a "release" will be determined to be occurring and the "Radioactive Release" on the Short and Long Notification Message Forms is marked "yes", when:

3.6.1. Any one of three effluent monitors indicates a value three times the High alarm set point

OR

3.6.2. Any two of the three effluent monitors indicate a value equal or greater than the High alarm set point.

The three effluent monitors are:

TITLE	NO.
Main Plant Exhaust Stack	RMS-RE125 Channel 4 (4GE125)
Radwaste Vent. Exhaust	RMS-RE006 Channel 4 (4GE006)
Fuel Bldg. Vent. Exhaust	RMS-RE005 Channel 4 (4GE005)

OR

3.6.3. An unmonitored release is detected at the site boundary by teams with survey instruments.

3.7 Short Notification Message Form (SNMF) - Used for declaration of an emergency classification or changes to the Protective Action Recommendations (PARs). Notification must be made to State and local authorities within approximately 15 minutes. The Short Notification Message Form contains information about the class of emergency, whether a release is taking place, potentially affected population and areas, and whether protective measures may be necessary.

3.8 Long Notification Message Form (LNMF) - Used for providing State and local authorities follow-up information. The LNMF is sent out as soon as possible following a SNMF. The LNMF is also sent out for any significant changes to plant conditions that do not require an emergency escalation or change in PARs. No more than 2 hours should be exceeded between any two LNMFs.

4 RESPONSIBILITIES

4.1 Recovery Manager:

4.1.1. Provide overall management of River Bend Station (RBS) response activities.

4.1.2. Provide notifications and make protective action recommendations to offsite authorities.

4.1.3. Coordinate RBS response activities as required with offsite organizations.

4.1.4. Ensures that offsite radiological conditions are projected and monitored.

4.1.5. Review information being released to the Joint Information Center (JIC).

4.1.6. Establish a Recovery Organization.

4.1.7. Terminate the emergency.

4.2 EOF Manager - Ensure that the EOF is activated, ensure that notification message forms are properly filled out and completed on time, and that EOF staff provide support functions per the applicable section(s) of this procedure.

5 GENERAL

5.1 Attachment 21, Emergency Operations Facility Organization Chart, is a typical makeup for the EOF.

5.2 Attachment 22, Emergency Operations Facility Floor Plan, is a typical setup for the EOF.

5.3 The EOF may be activated at any time, and shall be activated at an Alert, Site Area Emergency, or General Emergency declaration. Once activated, the EOF shall become operational as soon as possible after declaration of any of these emergency classifications. When facility minimum staffing can be accomplished with onsite personnel, it is the goal to become operational within 45 minutes. Otherwise, it is the goal to become operational in 90 minutes.

6 PROCEDURE

NOTE

The actions of this procedure may be completed in any sequence, however, the sequence presented in the attachments is recommended.

Report any actions unable to complete, equipment issues, or problems to EOF Manager for resolution and/or determining facility operational status.

6.1 Recovery Manager

6.1.1. The Recovery Manager should use Attachment 1 as a guideline. Document pertinent information on Attachment 20.

6.2 EOF Manager

6.2.1. The EOF Manager should use Attachment 2 as a guideline. Document pertinent information on Attachment 20.

6.3 Administrative/Logistics Advisor

6.3.1. The Administrative/Logistics Advisor should use Attachment 3 as a guideline. Document pertinent information on Attachment 20.

6.4 Radiation Protection Advisor

6.4.1. The Radiation Protection Advisor should use Attachment 4 as a guideline. Document pertinent information on Attachment 20.

6.5 Radiological Assessment Coordinator

6.5.1. The Radiological Assessment Coordinator should use Attachment 5 as a guideline. Document pertinent information on Attachment 20.

6.6 Assistant Radiological Assessment Coordinator

6.6.1. The Assistant Radiological Assessment Coordinator should use Attachment 6 as a guideline. Document pertinent information on Attachment 20.

6.7 Offsite Team Coordinator

6.7.1. The Offsite Team Coordinator should use Attachment 7 as a guideline. Document pertinent information on Attachment 20.

6.8 EOF Habitability Technician

6.8.1. The EOF Habitability Technician should use Attachment 8 as a guideline. Document pertinent information on Attachment 20.

6.9 Communicator(s)

6.9.1. The Communicator(s) should use Attachment 9 as a guideline.

6.10 Operations Advisor

6.10.1. The Operations Advisor should use Attachment 10 as a guideline. Document pertinent information on Attachment 20.

6.11 Technical Advisor

6.11.1. The Technical Advisor should use Attachment 11 as a guideline. Document pertinent information on Attachment 20.

6.12 Status Communicator

6.12.1. The Status Communicator should use Attachment 12 as a guideline.

6.13 Engineering Support Advisor

6.13.1. The Engineering Support Advisor should use Attachment 13 as a guideline. Document pertinent information on Attachment 20.

6.14 Engineering Support

6.14.1. The Engineering Support personnel should use Attachment 14 as a guideline. Document pertinent information on Attachment 20.

6.15 Offsite Monitoring Teams

6.15.1. The Offsite Monitoring Teams should use EIP-2-014 as a guideline.

6.16 HPN Communicator

6.16.1. The HPN Communicator should use Attachment 15 as a guideline. Document pertinent information on Attachment 20.

6.17 Administrative Support Personnel

6.17.1. The Administrative Support Personnel should use Attachment 16 as a guideline. Document pertinent information on Attachment 20.

6.18 Telecommunications Specialist

6.18.1. The Telecommunications Specialist should use Attachment 17 as guideline. Document pertinent information on Attachment 20.

6.19 EOF Registration

6.19.1. The EOF Registration person should use Attachment 18 as a guideline.

7 DOCUMENTATION

Attachments 1-18 and 20 of this procedure will be sent to Permanent Plant Files (PPF) per EPP-2-100 by the Manager - Emergency Preparedness.

RECOVERY MANAGER

ACTIVATION Date: _____

Actions Completed
Initials

1. Review status of the emergency and offsite notifications when contacted by the Recovery Manager/Emergency Director. ____

2. Brief the EOF staff on the status of the emergency (the Events Information Team should invite the Spokesperson to the briefing, if onsite). ____

3. Review habitability determination and if necessary provide direction on evacuation of the EOF or JIC. If decision is made to evacuate the EOF, implement relocation actions. If the JIC is to be evacuated, direct the EOF Manager to coordinate the relocation. ____

4. When informed by the EOF Manager that minimum staffing is available and ready to perform functions, announce that the EOF is operational. ____

SUBSEQUENT ACTIONS

NOTE

If the EOF is operational, RM duties can be directly transferred to the EOF from the Control Room.

1. When the EOF is ready to assume control from the TSC:

   1.1 Contact the Emergency Director

      1.1.1 Ensure that message control and dose assessment is transferred to the EOF.

      1.1.2 Transfer RM duties from the Emergency Director.

   1.2 Announce that the EOF has assumed RM duties from the TSC.

2. Periodically update the EOF staff (the Events Information Team should invite the Spokesperson to the briefing, if onsite).

3. Review information being released to the JIC.

4. Review and approve Notification Message Forms for transmittal.

5. Upon the declaration of a Site Area or General Emergency, direct the evacuation of the JIC.

RECOVERY MANAGER

SUBSEQUENT ACTIONS (cont'd)

NOTE

Protective Action Recommendations (PARs) must be developed within 15 minutes of the declaration of a General Emergency or data availability which require upgrading the PARs.

6. If decision is made to relocate the EOF, implement the Relocation Actions portion of this checklist.

PARs

7. Using Attachment 19, formulate Protective Action Recommendations (PARs) and scenario number using dose projections, field monitoring data and plant conditions. Unnecessary evacuation of the public is NOT considered a conservative decision. Do NOT recommend a PAR change that would shelter an area (PAS) that has already been recommended for evacuation.

CAUTION

Emergency Operating Procedures (EOPs) require containment venting at specified pressures and hydrogen concentrations, regardless of offsite consequences.

8. Evaluate PARs in anticipation of intentional containment venting. As appropriate and time permitting, other considerations for containment venting include:
   - Notify JIC, States and Parishes about any venting and any expected PAR changes.
   - How will altering the venting start time affect offsite doses due to containment radioactivity buildup\decay?
   - Will the release be a puff, series of puffs or continuous and what is the expected duration(s)?
   - Would the population-at-risk be able to evacuate before plume reaches them?
   - Are the winds variable or expected to change and affect areas where protective actions are NOT in place?
   - Are there any special interest groups or facilities to consider?

9. Review and discuss the protective actions to be recommended for the general public with the appropriate personnel and the Louisiana Department of Environmental Quality (LDEQ) Liaison Officer, if available. If State representatives have not yet arrived, recommendations to the local authorities shall not be delayed.

RECOVERY MANAGER

SUBSEQUENT ACTIONS (cont'd)

10. Ensure the Siren System has been enabled before setting the siren sounding time with the State and local parishes.

11. Provide PARs to State and local authorities within 15 minutes. Once State and local authorities receive the PARs, the State and local authorities will have approximately 5 minutes to review the PARs.

12. When the Directors of all parishes, the Operations Officer at Louisiana Office of Homeland Security and Emergency Preparedness (LHLS/EP, formerly LOEP), and the LDEQ Liaison are on the Hotline, verify the PARs (Scenario Number) each parish intends to implement.

13. Write the scenario number approved and initial each parish choice on the PAR Verification Checklist provided by the Communicator.

14. Obtain siren sounding time from the Operations Officer and document on PAR Verification Checklist.

15. Revise PARs based on wind shifts when advised by the Radiation Protection Advisor (RPA).

16. If doses $\geq$ 1 rem TEDE or $\geq$ 5 rem CDE are projected at 10 miles, ensure the LDEQ Liaison is aware of the need for protective actions beyond 10 miles.

TERMINATION

17. Coordinate with the Emergency Director on terminating the emergency in accordance with the following criteria:

    ALERT - Terminate the emergency when the Alert conditions are no longer met and the following have been accomplished:

    1. The plant is in a stable condition.

    2. Excessive releases of radioactivity to the environment have been terminated and no further potential for significant radioactivity releases exists.

    3. No further potential for major damage to equipment exists

RECOVERY MANAGER

SAE/GE - Terminate the emergency when the SAE/GE conditions are no longer met and the following has been accomplished:

1. The reactor is shutdown, is in a stable, safe configuration, and adequate core cooling is available.
2. Excessive releases of radioactivity to the environment have been terminated and no further potential for significant radioactivity releases exists.
3. Offsite concentrations of radioactivity in the atmosphere or in waterways have dispersed to near background levels, excluding ground deposition.
4. The State of Louisiana, the local Parishes and the NRC concur in terminating the emergency.

18. Notify the NRC and offsite authorities of the emergency termination.

19. When a Site Area Emergency or General Emergency has been terminated, implement EIP-2-028, Recovery.

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Direct the EOF Manager to perform relocation actions and proceed to the Alternate EOF (AEOF) prior to releasing the EOF staff. _____

2. Transfer overall direction of the RBS emergency response organization and communication with offsite agencies to the Emergency Director in the TSC. _____

3. Inform the parishes, the states of Louisiana and Mississippi, and the NRC that the EOF staff will be relocating and that all communication will be directed from the TSC until further notice. _____

4. If relocation is due to conditions other than radiological conditions, direct the EOF staff to relocate directly to the Alternate EOF. _____

5. If relocation is due to radiological conditions, direct the EOF staff to relocate to the AEOF through the Zachary Monitoring and Decontamination Station. _____

DEACTIVATION Date: _____

1. Ensure that the recovery organization has been established, as necessary.

2. Direct the emergency facilities to deactivate.

3. Discuss deactivation of the JIC with the JIC Director.

EOF MANAGER

ACTIVATION Date: _____ Actions Completed Initials

1. Periodically announce that no eating, drinking, or chewing is allowed until habitability is determined. ____

2. Obtain status of EOF habitability from RPA and advise Recovery Manager of status. ____

3. Make announcement when the EOF is determined to be habitable. ____

4. If the EOF is not habitable, have EOF staff implement the Relocation Actions on their checklists. ____

5. All minimum staffing personnel have completed the activation portion of their checklists and are prepared to perform functional responsibilities: ____

   MINIMUM STAFFING:
   a. Recovery Manager
   b. EOF Manager
   c. Radiation Protection Advisor
   d. Radiological Assessment Coordinator
   e. Assistant Radiological Assessment Coordinator
   f. Operations Advisor
   g. Technical Advisor
   h. Communicator (Only 1 required for minimum staffing)

8. Inform the Recovery Manager that the EOF is ready to be declared operational. ____

SUBSEQUENT ACTIONS

1. If the JIC is onsite, obtain status of JIC habitability from RPA and advise Recovery Manager and JIC of habitability status.

2. If directed by the RM to evacuate the JIC:

   a. Obtain route from RPA if radiological conditions exist. ____
   b. Notify JIC Director. ____
   c. Assist in relocation, as necessary. ____

3. Assist Recovery Manager (RM) with transfer of RM duties, as necessary.

EOF MANAGER

SUBSEQUENT ACTIONS (cont'd)

4. Ensure that EOF Registration is established.

5. Ensure status boards are updated.

NOTE

Notifications to State and local authorities must be made within approximately 15 minutes of a declaration of an emergency or Protective Action Recommendations (PARs) change using the Short Notification Message Form (SNMF).

NOTE

All Notification Message Forms must be reviewed and approved by the RM.

6. Prepare the appropriate Short Notification Message Form (SNMF).

7. As soon as possible following the SNMF, prepare a Long Notification Message Form (LNMF) as shown on page 4 of this attachment. Refer to page 5 of this attachment for directions on how to complete the LNMF.

8. Prepare a LNMF when significant changes to plant conditions occur that do not require an emergency escalation or change in PARs. During extended emergencies, time between LNMFs should not exceed 2 hours.

9. Assist offsite emergency response agencies, as they arrive, in gathering information and with communications needs.

10. Request offsite and Federal assistance as directed by the RM.

11. Ensure the Administrative/Logistics Advisor develops a long-term relief rotation list.

12. If the siren system cannot be enabled from the Control Room (CR) and the Telecommunications Specialist is **NOT** available, enable siren system using page 6 of this attachment.

EOF MANAGER

SUBSEQUENT ACTIONS (cont'd)

13. Ensure siren system is interrogated immediately after sounding sirens to identify sirens that did **NOT** sound. Direct the Telecommunications Specialist or another person to obtain siren system statuses using Attachment 17. Provide siren(s) sounding failures to a LDEQ representative. LDEQ will notify affected parish Director(s) to conduct route alerting, as required

14. Keep the RM informed of all activities.

15. Evaluate the need for retaining personnel relocating from the TSC.

16. Upon termination of the emergency, ensure that notifications are made to State and local authorities, using the LNMF.

RELOCATION ACTIONS Date:_____ Actions Completed Initials

1. Obtain the Alternate EOF (AEOF) access package from the EOF key box. _____

2. Ensure EOF staff is aware of route to Alternate EOF following direction from the Radiation Protection Advisor. _____

3. Proceed to the Alternate EOF with administrative staff members, the Telecommunications Specialist and the EOF Registration person. _____

DEACTIVATION Date: _____

1. Upon decision to deactivate the emergency facilities, announce deactivation of the EOF.

2. Ensure that all equipment is returned. Report all damaged and/or missing equipment to the Manager - Emergency Preparedness.

3. Forward all documentation to the Manager - Emergency Preparedness.

EOF MANAGER
LONG NOTIFICATION MESSAGE FORM

NOTIFICATION MESSAGE FORM

1. THIS IS RIVER BEND NUCLEAR STATION WITH MESSAGE NUMBER _____

2. A. _____/_____ (TIME/DATE) B. COMM: _____ (NAME) C. TEL. NO: _____

3. EMERGENCY CLASSIFICATION:
   - A. ☐ NOTIFICATION OF UNUSUAL EVENT
   - B. ☐ ALERT
   - C. ☐ SITE AREA EMERGENCY
   - D. ☐ GENERAL EMERGENCY
   - E. ☐ TERMINATED

4. CURRENT EMERGENCY CLASSIFICATION ☐ DECLARATION ☐ TERMINATION
   Time/Date: _____/_____

5. RECOMMENDED PROTECTIVE ACTIONS:
   - A. ☐ No Protective Actions Recommended At This Time (Go to item 6).
   - B. ☐ EVACUATE _____
   - ☐ SHELTER _____

6. INCIDENT DESCRIPTION/UPDATE/COMMENTS: _____

7. REACTOR SHUTDOWN? ☐ NO ☐ YES Time/Date: _____/_____

8. METEOROLOGICAL DATA:
   - A. Wind direction FROM _____ Degrees at _____ MPH
   - B. Sectors Affected (A-R): _____
   - C. Stability Class (A-G): _____
   - D. Precipitation: ☐ None ☐ Rain ☐ Sleet ☐ Snow ☐ Hail ☐ Other _____

9. RELEASE INFORMATION:
   - A. ☐ No Release (Go to item 13)
   - C. ☐ A RELEASE OCCURRED BUT STOPPED; Duration _____ hrs.
     Release Stopped at _____ hrs.
   - B. ☐ A RELEASE IS OCCURRING: Expected Duration _____ hrs.
     Release Started at _____ hrs.

10. TYPE OF RELEASE:
    - A. ☐ Radioactive Gases
    - B. ☐ Radioactive Airborne Particulates
    - C. ☐ Radioactive Liquids

11. RELEASE RATE:
    - A. NOBLE GASES _____ Ci/s
    - B. IODINES _____ Ci/s

12. ESTIMATE OF PROJECTED OFF-SITE DOSE:
    - A. Projections for _____ hours based on: ☐ Field Data ☐ Plant Data
    - B. (TEDE) WB DOSE COMMITMENT (Rem)
      Site Boundary _____ 5 miles _____
      2 miles _____ 10 miles _____
    - C. (CDE) THYROID DOSE COMMITMENT (Rem)
      Site Boundary _____ 5 miles _____
      2 miles _____ 10 miles _____

13. MESSAGE APPROVED BY: _____ TITLE: _____

14. MESSAGE RECEIVED BY: _____ TIME: _____

PR00015M.CDR

EOF MANAGER

GUIDELINES FOR COMPLETING THE LNMF

	ESP_COMM	MANUAL METHOD
Line 1	Message Number automatic	Assign a message number. Number the messages sequentially until the emergency is terminated.
Line 2	2A Time/Date automatic upon transmission. 2B Comm: Select facility from pull-down menu. 2C Tel. No.: Indicate "hotline" unless alternate method is being used, then enter alternate method.	2A Enter Time/Date message was transmitted. 2B Comm.: Enter facility name 2C Tel. No.: Indicate "hotline" unless alternate method is being used, then enter alternate method.
Line 3	Automatic from Short Form. If termination message, check "terminated".	Check appropriate classification or terminated.
Line 4	Automatic from Short Form. For termination, check "termination" and enter termination time/date.	Check either declaration or termination. Enter time/date of emergency declaration or termination.
Line 5	Check appropriate box(es). If PAR has been recommended, select appropriate protective actions and indicate scenario number.	Check appropriate box(es). If PARs have been recommended, indicate the scenario number.
Line 6	Enter description from Short Form. May add information as necessary. Use this line to correct any previous errors.	Enter description from Short Form. May add information as necessary. Use this line to correct any previous errors.
Line 7	Indicate if the reactor is shutdown. Information should be obtained from Operations. If yes, enter time/date.	Indicate if the reactor is shutdown. Information should be obtained from Operations. If yes, enter the time/date.
Line 8	Information for Lines 8A-C can be found on CADAP on the "values" screen. A backup to CADAP for meteorological data is the Meteorological Tower printer and Control Room. 8A - Enter wind direction and speed. 8B - Enter the affected sectors according to the current wind direction. 8C - Enter stability class. 8D - Check appropriate box. NOTE: 8 A-C are automatically completed when dose data is imported from CADAP.	Information for Lines 8A-C can be found on CADAP on the "values" screen. A backup to CADAP for meteorological data is the Meteorological Tower printer and Control Room. 8A - Enter wind direction and speed. 8B - Enter the affected sectors according to the current wind direction. 8C - Enter stability class. 8D - Check appropriate box.
Line 9	Determine if there is a release. 9A If no release, check block A and proceed to line 13. 9B/C If release has occurred or is occurring, check B or C as appropriate and enter duration and time release started/stopped. When checking B & C, be sure to import appropriate dose data.	Determine if there is a release. 9A If no release, check block A and proceed to line 13. 9B/C If release has occurred or is occurring, check B or C as appropriate and enter duration and time release started/stopped. When checking B & C, be sure to include appropriate dose data on line 12B.
Line 10	Indicate the type of release. If there is no core damage, check 10A. If there is clad damage or fuel melt, check 10A & 10B. If the release is a liquid release, check 10C.	Indicate the type of release. If there is no core damage, check 10A. If there is clad damage or fuel melt, check 10A & 10B. If the release is a liquid release, check 10C.
Line 11	Imported from CADAP	Enter release rate. DRMS provides release rates in uCi/sec. These rates must be converted to Ci/sec. CADAP also provides this information through Notepad.
Line 12	12A Enter numbers of hours used and method used in dose calculation. 12B Import from CADAP.	12A Enter numbers of hours used and method used in dose calculation. 12B Obtain from CADAP results.
Line 13	Enter Recovery Manager's name and "RM" as title. RM must review and approve NMFs prior to transmission.	Enter Recovery Manager's name and "RM" as title. RM must review and approve NMFs prior to transmission.
Line 14	Leave blank. For use by parishes.	Leave blank. For use by parishes.

EOF MANAGER

Siren Control Enable From The EOF

1. Obtain red key from EOF key box.

2. **Insert the red key** into the EOF Siren Enable Unit in the key switch marked Enable Control.

3. **Turn the key to the** ON position, a RED lamp directly above the key switch will light indicating power is on. The lamp will remain on as long as the key switch is in the ON position.

4. Leave key in the ON position.

5. **Upon completion** of usage of the EOF Siren Enable Unit, the unit can be DISABLED by turning the **key switch to the OFF** position. The RED lamp will now be extinguished.

6. Return red key to the EOF key box.

NOTE

If the Siren Control Console in the Emergency Operations Facility does not work, the siren sounding time may have to be changed. Notify the Recovery Manager immediately. To enable the sirens, direct the Telecommunications Specialist to enable the Siren System from the siren computers in the Emergency Operations Facility.

ADMINISTRATIVE/LOGISTICS ADVISOR

ACTIVATION Date: _____ Actions Completed Initials

1. Call in Administrative staff members and Telecommunications Specialist using the Emergency Telephone Book. ____

2. Verify that all required EOF staff members are present. If positions remain to be filled, obtain the Dialogics callout log from the EOF fax to determine which EOF staff members have responded. Call additional staff members as required. ____

3. Print plant daily report and ensure distribution. ____

4. Ensure ERIS projector is turned on. ____

SUBSEQUENT ACTIONS

1. Contact the Administrative Coordinator in the TSC concerning any personnel injuries.

2. Verify with NRC personnel that the FTS 2001 phone lines are operational. Report any problems to the NRC Operations Center using a commercial phone and the numbers listed on the NRC phone.

3. Contact the hospital for current information on injured personnel, as applicable. Keep the EOF Manager informed of status.

4. Ensure that drawings and procedures are provided to EOF staff as needed. If the electronic document system is not operable, the simulator documents may be used.

5. Ensure that the Protective Action Recommendation (PAR) Status Board is updated for each protective action recommended.

6. Develop long-term staffing rotation list:

   a. Using page 3 of this attachment, determine long-term relief rotation.

   b. If PARs have been issued, discuss recommended routes with the Radiation Protection Advisor (RPA). Once access route is established, inform Administrative Coordinator and Logistics Team Supervisor for shift rotation in the TSC and JIC.

   c. Contact the individuals on the rotation list and inform them of the time they are scheduled to report and the proper route to be taken.

ADMINISTRATIVE/LOGISTICS ADVISOR

SUBSEQUENT ACTIONS (cont'd)

7. Coordinate assistance from the Corporate Emergency Center (CEC) using the Corporate Hot Line. Use the INPO Emergency Resources Manual as a reference.

8. Coordinate assistance for equipment, supplies, food, lodging, travel, and communications, as necessary. If PARs have been issued, obtain recommended routes from the RPA and arrange for Emergency Planning Zone (EPZ) access through the Parish Emergency Operations Centers (EOCs).

9. Coordinate monetary matters through the Corporate Emergency Center. Assistance may be requested from Corporate Business Services.

10. Obtain list of materials, supplies, and contractors that may be required for recovery from EOF and TSC personnel.

RELOCATION ACTIONS	Date: _____	Actions Completed Initials
1.	Coordinate with EOF staff on documents necessary to support Alternate EOF functions. Ensure documents are collected and transferred to the Alternate EOF (AEOF).	____
2.	When directed, contact the East Baton Rouge Emergency Operations Center (EOC) and request the notification of the Zachary Monitoring/Decontamination Station of personnel arriving and, if necessary, that a school bus be dispatched to the EOF to assist in the relocation.	____
3.	Transfer responsibilities to the Administrative Coordinator in the TSC.	____

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the EOF.

2. Ensure that all equipment, procedures, and drawings are properly stored.

3. Have administrative staff collect all documentation.

4. Forward all documentation to the EOF Manager.

ADMINISTRATIVE/LOGISTICS ADVISOR

EOF STAFF ROTATION
(12-Hour Shifts)

Position	Date: Time:
Recovery Manager	
EOF Manager	
Rad. Prot. Advisor	
Rad. Assess. Coord.	
Asst. Rad. Assess. Coord.	
Offsite Team Coord.	
Operations Advisor	
Admin./Logistics Advisor	
Communicators	
Status Comm.	
Technical Advisor	
HPN Communicator	
Event Info Team	
Eng Support Advisor	
Engineering Support	
Admin. Support	
Telecommunications	
EOF Registration	

RADIATION PROTECTION ADVISOR

ACTIVATION Date: _____ Actions Completed Initials

1. Ensure that the Radiological Assessment Coordinator (RAC) and the Asst. Radiological Assessment Coordinator (ARAC) are available and prepared to assume functional responsibilities. ____

NOTE

If NO release is occurring or has not previously occurred, the EOF and JIC may be presumed to be radiologically habitable without conducting surveys.

2. Using the following guidelines, evaluate radiological conditions and determine habitability of the EOF and JIC. Determination of JIC habitability is **NOT** required prior to EOF becoming operational. ____

> EOF habitability is based on a maximum dose limit of 5 rem TEDE over an assumed 12 hour shift.
>
> A combination of 200 mR/hr to the whole body (Deep Dose Equivalent) **plus** an airborne concentration of 5E-6 μCi/cc radioiodine in the facility equates to a TEDE of approximately 5 rem in 12 hours.

> JIC habitability is based on a maximum dose of 500 mrem TEDE over an assumed 8 hour shift. This limit is in excess of that allowed by 10CFR20.1301 for members of the general public, but is consistent with the guidance in the NUMARC letter of December 7, 1992 from Thomas E. Tipton to Dr. Thomas E. Murley.
>
> An external exposure rate of 60 mR/hr to the whole body **or** airborne radioiodine concentration of 2E-6 in the facility will yield a dose of 500 mrem TEDE over an 8 hour shift.

3. Provide habitability results to the EOF Manager and post EOF habitability on status board. ____

4. Inform the EOF Manager when the RAC and ARAC are prepared to perform functional responsibilities. ____

RADIATION PROTECTION ADVISOR

SUBSEQUENT ACTIONS

1. Obtain status of offsite monitoring teams from the Radiation Protection Coordinator (RPC). Ensure teams are dispatched and controlled as necessary.

2. Assume control of dose assessment activities when directed by the Recovery Manager (RM). Ensure dose calculations are performed as necessary.

3. As required, ensure the distribution of pocket dosimeters and TLDs to EOF personnel and announce the frequency at which individuals should read their dosimeters.

4. As required, direct the establishment of an EOF contamination control point at the door outside the EOF Decontamination Facility (Door TC-300-17). Provide direction on frisking requirements.

5. Review dose projection calculations and any offsite radiological monitoring data available.

6. Using Attachment 19, formulate Protective Action Recommendations (PARs) and scenario number using dose projections, field monitoring and plant conditions. Unnecessary evacuation of the public is NOT considered a conservative decision.

7. Discuss the PARs with the Recovery Manager (RM) and Louisiana Department of Environmental Quality (LDEQ) Liaison, if available, including the basis and reasoning used to arrive at the PARs.

8. Provide the scenario number for the Short Notification Message Form

9. Provide information for appropriate sections of the Long Notification Message Form.

10. Review all notification message forms containing radiological data prior to transmittal.

RADIATION PROTECTION ADVISOR

SUBSEQUENT ACTIONS (cont'd)

11. After initial PAR implementation, assuming no change in dose projections which would require an increase in PARs, wind shifts which change the scenario number may trigger an increase in PARs to a higher level. To determine the appropriate PAR, review the emergency scenario maps and the National Weather Service (NWS) forecast. Do **NOT** recommend a PAR change that would shelter an area (PAS) that has already been recommended for evacuation. In addition, if NWS indicates continued wind shifts, consider the following guidance:

    a. **Present PARs** - Evacuate 2 mile radius, evacuate 5 miles downwind, shelter the 10 mile radius and evacuate schools, institutions and recreation areas in the 5 mile radius(minimum PARs)

       Wind shifts - Evacuate 5 mile radius and shelter the 10 mile radius (Scenario #12)

    b. **Present PARs** - Evacuate 5 mile radius, evacuate 10 miles downwind, shelter the remaining 10 mile radius and evacuate schools, institutions and recreation areas in the 10 mile radius

       Wind shifts - Evacuate 10 mile radius (Scenario #27)

12. Inform RM of wind shifts which could affect PARs.

13. When PARs are issued, provide recommended routes for personnel and deliveries into RBS.

14. If doses $\geq$ 1 rem TEDE or $\geq$5 rem CDE thyroid are projected at 10 miles, estimate the projected dose at 15, 20 and 25 miles, as appropriate. Inform the RM and the LDEQ Liaison of the distance and downwind areas at which a Protective Action Guideline (PAG) is estimated to be exceeded.

15. Periodically assess EOF and JIC habitability.

16. Evaluate radiation exposures of EOF and JIC personnel and inform anyone approaching 10CFR20 limits.

17. Periodically update the RM, LDEQ, and RPC on offsite radiological data, both real time measurements and projected exposures.

18. Keep the RPC informed of activities.

RADIATION PROTECTION ADVISOR

SUBSEQUENT ACTIONS (cont'd)

19. Evaluate the need for EOF, JIC or offsite team personnel to exceed 10CFR20 limits or the need for the use of Potassium Iodide (KI) in accordance with EIP-2-012, Radiation Exposure Controls. Inform the RM and obtain the Emergency Director's authorization.

20. Make arrangements with environmental services for analysis of environmental samples taken by offsite monitoring teams.

RELOCATION ACTIONS Date: _____

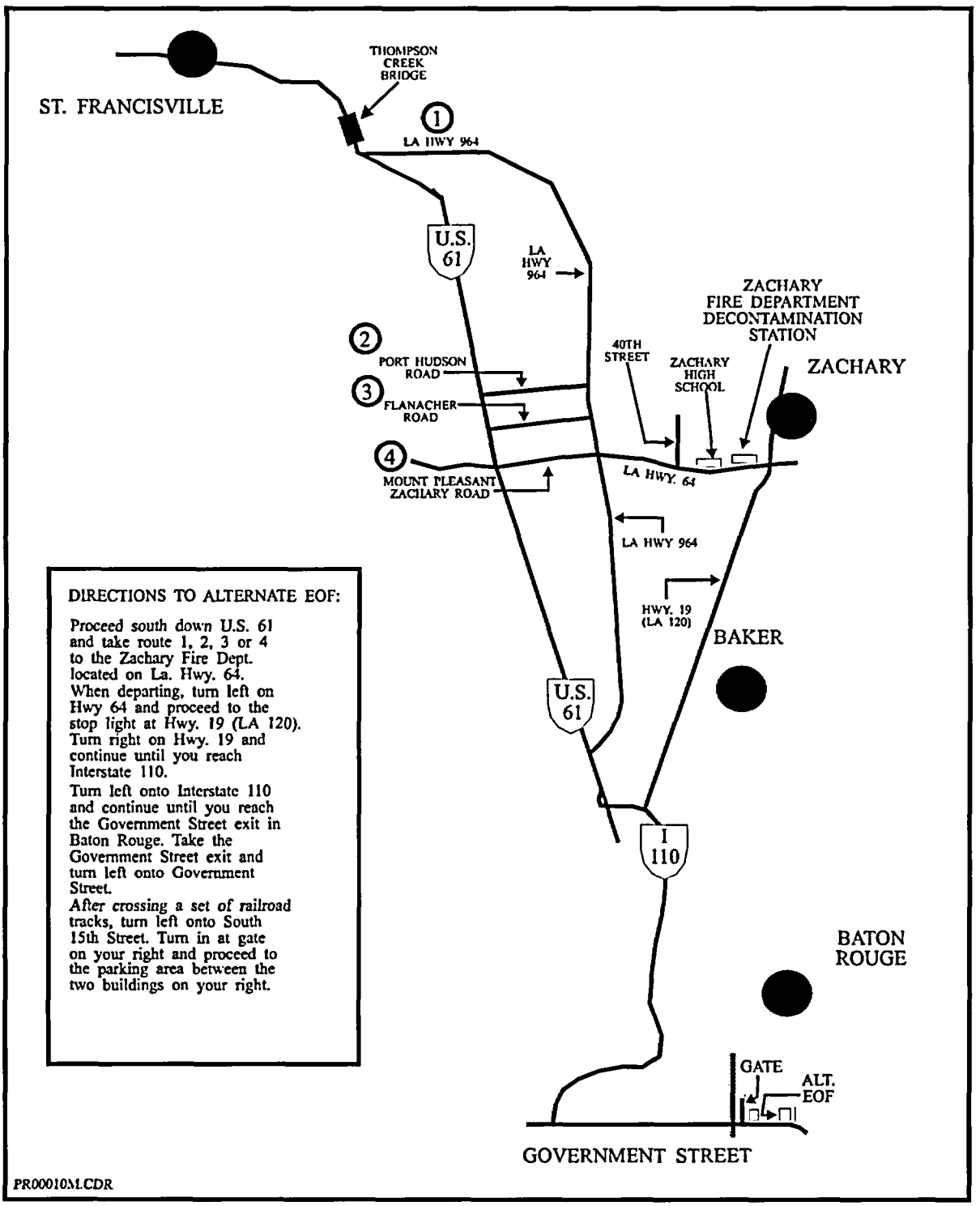
	Actions Completed Initials
1. Direct the RPC to have a Radiation Protection Technician or Chemistry Technician report to the TSC for control of monitoring teams.	____
2. Transfer overall responsibility for dose assessment and monitoring teams to the Radiation Protection Coordinator in the TSC.	____
3. Review radiological and meteorological information and provide directions to the staff relocating to the Alternate EOF. A suggested route to the Zachary Monitoring/Decontamination Station and the Alternate EOF is shown on Page 5. Ensure that the EOF staff have TLDs and pocket dosimeters prior to relocating to the Alternate EOF.	____
4. Ensure that the EOF Habitability Technician obtains survey meters and the TLD Tracking Log for transport to the Alternate EOF.	____
5. Direct the EOF Habitability Technician to perform a sweep of the EOF, JIC, and Training Center to verify that all personnel have evacuated the building prior to relocating and send him to the Alternate EOF or Zachary Monitoring/ Decontamination Station.	____

DEACTIVATION Date: _____

1. When directed by the EOF Manager, have the radiological staff deactivate the EOF.

2. Forward all documentation to the EOF Manager.

RADIATION PROTECTION ADVISOR



RADIOLOGICAL ASSESSMENT COORDINATOR

ACTIVATION Date: _____ Actions Completed Initials

1. Ensure Assistant Radiological Assessment Coordinator (ARAC) is prepared to perform functional responsibilities. ____

2. Inform Radiation Protection Advisor (RPA) when prepared to perform dose assessment activities. ____

SUBSEQUENT ACTIONS

NOTE

Offsite teams are expected to report in 75 minutes and be ready for deployment as soon as possible but no later than 90 minutes following notification.

1. Offsite Team Coordinator and offsite monitoring teams are available and prepared to perform functional responsibilities.

2. Determine if any DRMS or meteorological parameters used in dose calculations are in a Limiting Condition for Operation (LCO) and inform the ARAC of any limitations.

3. Call the National Weather Service to obtain weather forecast.

4. Brief offsite monitoring teams regarding meteorological and radiological conditions prior to dispatch. Use page 4 of this attachment as a guide

5. Ensure offsite teams complete applicable attachments of EIP-2-012 in regards to the administration of potassium iodide (KI).

6. Dispatch offsite monitoring teams. Even though it is **NOT** required at an Alert emergency classification, it is a good practice to assess radiological conditions near the site boundary to verify whether or not a release has occurred.

7. Provide direction to the Offsite Team Coordinator in tracking offsite monitoring personnel, including dose limits, frequency of dose checks, etc. If State offsite teams are available, coordinate offsite monitoring with the State representative in the EOF.

8. Review and assess the results of dose calculations and offsite monitoring team data. Based on the data indications, assess the need for the use of potassium iodide (KI) by the offsite teams.

9. Keep the RPA informed of all activities.

RADIOLOGICAL ASSESSMENT COORDINATOR

10. When a release is in progress, direct the Offsite Team Coordinator to obtain Offsite Team dosimeter readings. Direct the ARAC to convert the readings to TEDE and evaluate as follows:

    a. When a Team Member's dosimeter reading reaches 1 R, immediately convert to TEDE and evaluate.

    b. If converted TEDE is greater than 5 rem, obtain a whole body count as soon as practical to confirm calculated TEDE, and consider replacing the individual on the Team.

    c. If confirmed TEDE is greater than 5 rem, inform Radiation Protection Coordinator (RPC) of overexposure for NRC notification (10CFR20).

11. Direct the Offsite Team Coordinator to notify Offsite Monitoring Teams if potassium iodide (KI) is recommended.

12. If doses $\geq$ 1 rem TEDE or $\geq$5 rem CDE thyroid are projected at 10 miles, estimate the projected dose at 15, 20 and 25 miles, as appropriate. Inform the Radiation Protection Advisor of the distance and downwind areas at which a Protective Action Guideline (PAG) is estimated to be exceeded.

Estimate radiation doses beyond 10 miles using the following factors: These ratios may be used regardless of Stability Class, Wind Speed or Time After Shutdown when the Core State = "Fuel Melt". Radiation Dose at 15 miles = dose at 10 miles x 0.387 Radiation Dose at 20 miles = dose at 10 miles x 0.267 Radiation Dose at 25 miles = dose at 10 miles x 0.226 Ratios are applicable to either TEDE or CDE, although CDE Thyroid will normally be the dominant factor.

RELOCATION ACTIONS Date: _____

	Actions Completed Initials
1. Ensure transfer of responsibility for dose assessment to the Chemistry/Core Damage Assessment Coordinator or RPC.	____
2. Direct the Offsite Team Coordinator to transfer control of monitoring teams to the RPC and brief the RPC on status of monitoring teams.	____

RADIOLOGICAL ASSESSMENT COORDINATOR

RELOCATION ACTIONS (cont'd)

3. Ensure backup dose assessment computer is transported to the Alternate EOF, including spare battery and charger. ____

4. Relocate to the Alternate EOF when the Assistant Radiological Assessment Coordinator and the Offsite Team Coordinator have been relieved. ____

DEACTIVATION Date: _____

1. When directed by the RPA, deactivate the EOF.

2. Forward all documentation to the RPA.

3. Inform Offsite Monitoring Teams to deactivate.

RADIOLOGICAL ASSESSMENT COORDINATOR

Offsite Monitoring Team Briefing Checklist

Wind Direction & Speed _____

Probable exposure rates, if known _____

Exposure limits (including turnback threshold) _____

First sample location Team #1_____

Team #2_____

Directions to sample location _____

_____

_____

Release Rate (or imminent) _____

KI _____

_____

Protective Clothing _____

Plant conditions/status _____

_____

_____

Verify Resp./Fit Quals _____ Date

Comments _____

_____

_____

Briefing performed by: _____

ASSISTANT RADIOLOGICAL ASSESSMENT COORDINATOR

ACTIVATION Date: _____ Actions Completed Initials

NOTE:

If the Digital Radiation Monitoring System (DRMS) or meteorological tower information is unavailable in the facility, have Radiation Protection Advisor (RPA) request an individual from the OSC be dispatched to the Control Room to relay data. The onsite hotline or other means of communication may be used to relay this information and values may also be obtained from an ERIS computer.

1. CADAP (Computer Aided Dose Assessment Program) is running. ____
2. DRMS values for performing dose calculations can be obtained. ____
3. Meteorological data for performing dose calculations can be obtained. ____
4. Inform the RAC when prepared to perform functional responsibilities. Alternate methods may be used, as necessary. ____

SUBSEQUENT ACTIONS

1. Assume control of dose assessment activities when directed by the RPA.
2. Perform dose assessment calculations in accordance with EIP-2-024, Offsite Dose Calculations. Provide the results to the RAC.
3. Determine operability of DRMS console. Perform the following as appropriate:
   a. Check that RM-11 Console and printer power switches are in "ON" position.
   b. Check RM-11 Console screen brightness by turning "BRIGHT" knob.
   c. Change position of "ALTERNATE/PRIMARY" switch.
   d. Press any "GRID" switch and display should appear on screen.
   e. Check the circuit breaker (UPS Breaker Panel breaker #4 located in storage room (Door TC300-14)).
4. Check operability of meteorological printer.

ASSISTANT RADIOLOGICAL ASSESSMENT COORDINATOR

5. Check operability of the Onsite Hotline by calling the TSC at 201.

6. Keep the RAC informed of changes in wind direction.

7. Verify the operability of the backup CADAP computer, as time permits.
Place the LapTop computer battery on charge.

8. Provide DRMS data to the RAC.

9. As directed, convert offsite monitoring team dosimeter readings to TEDE and provide results to the RAC for evaluation.

10. If doses $\geq$ 1 rem TEDE or $\geq$5 rem CDE thyroid are projected at 10 miles, estimate the projected dose at 15, 20 and 25 miles, as appropriate. Inform the Radiological Assessment Coordinator of the distance and downwind areas at which a Protective Action Guideline (PAG) is estimated to be exceeded.

Estimate radiation doses beyond 10 miles using the following factors:

These ratios may be used regardless of Stability Class, Wind Speed or Time After Shutdown when the Core State = "Fuel Melt".

Radiation Dose at 15 miles = dose at 10 miles x 0.387
Radiation Dose at 20 miles = dose at 10 miles x 0.267
Radiation Dose at 25 miles = dose at 10 miles x 0.226

Ratios are applicable to either TEDE or CDE, although CDE Thyroid will normally be the dominant factor.

ASSISTANT RADIOLOGICAL ASSESSMENT COORDINATOR

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Turn over dose assessment functions to the Chemistry/Core Damage Assessment Coordinator or RP Coordinator. ____

2. Obtain backup dose assessment computer, spare battery and charger to transport to the Alternate EOF (AEOF). ____

DEACTIVATION Date: _____

1. When directed by the RAC, deactivate the EOF.

2. Forward all documentation to the RPA.

OFFSITE TEAM COORDINATOR

ACTIVATION Date: _____ Actions Completed Initials

1. Inform the Radiological Assessment Coordinator (RAC) when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Check the operability of the Offsite Monitoring Team radio. The radio check includes two portable radios, as well as, the vehicle's mobile radio for each of the monitoring teams.

2. Direct offsite monitoring personnel to detect and measure radioactive releases.

3. Provide field data from the Offsite Monitoring Teams to the RAC and Assistant Radiological Assessment Coordinator (ARAC).

4. Relay instructions and information provided by the RAC and ARAC to monitoring personnel.

5. Record the Offsite Monitoring Teams' location and readings on the Offsite Monitoring Team Status Board.

6. Keep the Offsite Monitoring Teams informed of plant conditions, wind direction, classifications, release status, and information received during EOF briefings.

7. Keep track of Offsite Monitoring Team radiation exposures. If any member reaches 1 R on their dosimeter, notify the RAC immediately.

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Turn over control of offsite teams to the assigned RP Technician or Chemistry Technician in the TSC. ____

2. Inform the offsite teams when control has been transferred to the TSC. ____

3. Inform the RAC when turnover is completed. ____

OFFSITE TEAM COORDINATOR

DEACTIVATION Date: _____

1. When directed by the RAC, deactivate the EOF.
2. Inform the Offsite Monitoring Teams of their duties or to deactivate.
3. Forward all documentation to the RPA.

EOF HABITABILITY TECHNICIAN

ACTIVATION	Date: _____	Actions Completed Initials

1. Perform operational checks on monitoring equipment prior to use. ____
2. Perform radiation and airborne radioactivity surveys in accordance with RPP-0006 or applicable attachments of EIP-2-014 to ensure that the EOF is habitable. Report survey results to the RPA. ____
3. Inform the RPA when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. If JIC is onsite, perform radiation and airborne radioactivity surveys in the JIC and report results to RPA.
2. As directed, distribute pocket dosimeters and issue TLDs using page 3.
3. Establish a contamination control point outside of door TC-300-17, as directed.
4. Perform periodic habitability surveys in EOF and JIC, if onsite.
5. If onsite, place dosimeters and TLDs in various locations in the JIC for monitoring purposes.
6. Decontaminate individuals as required in accordance with RP-104.
7. Keep the RPA informed of all activities.

RELOCATION ACTIONS	Date: _____	Actions Completed Initials

1. Sweep the EOF, JIC, and Training Center to ensure that all personnel have evacuated. ____
2. Bring survey instruments and TLD Tracking Log to the Alternate EOF (AEOF). ____

EOF HABITABILITY TECHNICIAN

DEACTIVATION Date: _____

1. When directed by the RPA, deactivate the EOF.

2. Collect all dosimeters and TLDs that were distributed.

3. Ensure that all monitoring instrumentation is operable, then turn power off and store in proper location. Report problems to the Radiation Protection Advisor (RPA).

4. Forward all documentation to the RPA.

EOF HABITABILITY TECHNICIAN

TLD Tracking Log
(Typical)

Date: _____

TLD#	Name(Last, First, MI) Print	SSN	Returned

COMMUNICATOR

ACTIVATION Date: _____ Actions Completed Initials

1. Check operability of the following communications equipment:

   a) State and Local Hotline, call the Emergency Operations Center (Louisiana Office of Homeland Security and Emergency Preparedness LHLS/EP, formerly LOEP) at 361. ____
   b) Civil Defense Radio Console, call LHLS/EP. ____
   c) ESP Computer ____

2. Inform EOF Manager when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

NOTES

Notification to State and local authorities must be made within approximately 15 minutes of a declaration of an emergency or Protective Action Recommendation (PAR) change using the Short Notification Message Form (SNMF).

Do NOT use the State/Local Hotline while a Notification Message Form is being transmitted because it will prevent receiving locations from getting a complete message.

1. Assume responsibility for notifications when directed by the Recovery Manager.

2. Assist the EOF Manager in completing the appropriate Notification Message Form (NMF). Ensure that the Radiation Protection Advisor (RPA) reviews all dose data prior to Recovery Manager (RM) review and approval to transmit. When directed, make notifications of the emergency to State and local authorities.

3. Verify NMF receipt with State and local authorities, using the State and Local Hotline. Complete a new NMF Verification Checklist (page 3) for each message sent.

4. If an agency has not received the message, obtain message receipt verification from the other agencies, and re-transmit the message (ESP Computer) to the non-receiving party.

5. If the message is still not received, read it to the agency (s), line by line. Message may be faxed as needed.

6. If no contact is made with a location on the Hotline, call the location on the commercial telephone to verify receipt of message. If commercial telephones are inoperable, the Civil Defense Radio may be used.

COMMUNICATOR

7. When PARs are issued:

   a. During the verification of message receipt on the Hotline, inform LHLS/EP and the Parish Emergency Operations Centers (EOCs) that you will call them back in five minutes for PAR confirmation.

   b. After five minutes, contact LHLS/EP and the five Parish EOCs. Using page 4, verify that the Directors or the Assistant Directors of all Parishes and the Operations Officer at LHLS/EP are on the Hotline.

   c. When verified, request the Recovery Manager and the Louisiana Department of Environmental Quality (LDEQ) Liaison to pick up the Hotline for PAR verification and give the RM the PAR Verification Checklist.

8. Make follow-up notifications to State and local authorities as directed by the Recovery Manager. Verify receipt of each NMF using a new NMF Verification Checklist.

9. Maintain a file of all notification message forms and verification checklists.

10. Ensure that Administrative personnel distribute all Short and Long Notification Message Forms to EOF staff.

11. Update classification/notification status on status board.

12. Upon termination of the emergency, notify State and local authorities using the Long Notification Message Form.

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Transfer the responsibility for communications with State and local authorities to the TSC Communicator. ____

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the EOF.

2. Ensure that all messages are cleared and ESP Computer control is returned to the Control Room.

3. Forward all documentation to the EOF Manager.

COMMUNICATOR

NMF VERIFICATION CHECKLIST

Ensure at least one of the agencies in each of the following rows receives the message.

MESSAGE # _____

FACILITY	PHONE #	Hotline #	MSG. REC'D (Y/N/NA)
La. Department of Environmental Quality (LDEQ) (M-F - 8AM to 4PM only, LHLS/EP will notify all other times)	9-765-0160	371	
La. Office of Homeland Security and Emergency Preparedness (LHLS/EP) (State EOC)	9-925-7500 (24-hr. pt.)	361	
West Feliciana Parish (WFP)	EOC 9-635-4792	351	
	24-HR. PT. 9-635-3241	352	
East Feliciana Parish (EFP)	EOC 9-634-7269	341	
	24-HR. PT. 9-683-5459	342	
Pointe Coupee Parish (PCP)	EOC 9-694-9014	331	
	24-HR. PT. 9-694-3737	332	
East Baton Rouge Parish (EBRP)	EOC 9-389-2100	311	
	24-HR. PT. 9-389-3300	312	
West Baton Rouge Parish (WBRP)	EOC 9-346-1581	321	
	24-HR. PT. 9-343-9234	321	
Mississippi Emergency Management Agency (MEMA)	9-1-800-222-6362 (24 hr. pt.) 9-1-601-352-9100 (alternate)	381	
Mississippi Highway Patrol (MHP)	9-1-601-987-1530 (backup)	382	

Parish EOCs and LHLS/EP Operations Officer informed of 5-minute PAR verification phone call YES NO NA

Message Verified _____ _____
Communicator Signature/KCN Time/Date

COMMUNICATOR

PAR VERIFICATION CHECKLIST

Scenario # Recommended: _____ Date:_____

Communicator verifies that correct individuals are on the Hot Line by placing a check mark on the appropriate line. The RM will verify approved scenario and initial the form.

	RM Initial	On Line
WEST FELICIANA PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
EAST FELICIANA PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
POINTE COUPEE PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
WEST BATON ROUGE PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
EAST BATON ROUGE PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
STATE OF LOUISIANA		
LHLS/EP Operations Officer		_____
Siren Sounding Time: _____	_____	

OPERATIONS ADVISOR

ACTIVATION Date: _____ Actions Completed Initials

1. Check operability of ERIS monitor. If power is not available, perform the following: ____

   a. Check UPS panel, circuit #8 located in the storage room behind door TC300-14.

   b. If the main breaker and/or other breakers have tripped, switch to "OFF" position and switch to the "ON" position.

2. If ERIS is inoperable, obtain plant parameters from the Control Room. ____

3. Inform the EOF Manager when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Establish contact with the TSC and Control Room and obtain current plant status and emergency operations in progress.

2. Verify that Status Communicators correctly update status boards with information obtained from ERIS and headset circuit.

3. Ensure that the EOF staff is kept informed of:

   a. Current plant conditions.

   b. Actions being performed or anticipated to mitigate the accident.

   c. Repairs and investigations initiated.

4. Recommend actions on classification of emergencies, as necessary.

5. Keep the Recovery Manager informed on status.

6. Follow EOPs/SAPs and keep RM informed of status.

OPERATIONS ADVISOR

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Inform the Operations Support Coordinator of the transfer to the Alternate EOF (AEOF). ____

2. Take EOP Flowcharts, EOP Bases, and SAP flowcharts to the AEOF. ____

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the EOF.

2. Forward all documentation to the EOF Manager.

TECHNICAL ADVISOR

ACTIVATION Date: _____ Actions Completed Initials

1. Ensure that ventilation system is placed in the Emergency Mode. For ventilation activation: ____

   a. Obtain master key from EOF key box.

   b. Turn both ventilation switches in Room TC 300-06 of the EOF from normal to emergency positions.

   c. Go to Room TC 300-09 (Mechanical Equipment Room), and verify that valve "A" is closed and valve "B" is open.

   d. Leave ventilation switches in emergency position.

   e. Inform Radiation Protection Advisor of ventilation system mode.

2. Inform the EOF Manager when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Ensure headset is operational.

2. Obtain information on the status of the reactor core from the Reactor Engineer or Chemistry/Core Damage Assessment Coordinator.

3. Review proposed plant operations and assess the effect on core conditions.

4. Communicate with the Reactor Engineer or the Chemistry/Core Damage Assessment Coordinator on recommendations for plant operations that would affect core conditions.

5. Using the information obtained over the headset, make recommendations on engineering actions to the Engineering Support Advisor.

6. Keep RP Advisor, Recovery Manager, and EOF Manager informed of significant changes in core state.

7. When Severe Accident Procedures (SAPs) are entered, periodically review parameter trends to determine if RPV breach is imminent or has occurred.

TECHNICAL ADVISOR

SUBSEQUENT ACTIONS (cont'd)

8. When SAPs are entered, periodically review parameter trends for inconsistencies.

9. Upon termination of the emergency, return ventilation switches to normal.

RELOCATION ACTIONS Date: _____	Actions Completed Initials
1. Inform the Reactor Engineer and Chemistry/Core Damage Assessment Coordinator of your departure to the Alternate EOF (AEOF).	____

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the EOF.

2. Forward all documentation to the EOF Manager.

STATUS COMMUNICATOR

ACTIVATION

Date: _____

Actions Completed Initials

1. Check headset operability. ____

2. Update status boards with information obtained from ERIS, notification message forms, and headset circuit. ____

3. Test the general information print board for copying. Update with current emergency status. ____

SUBSEQUENT ACTIONS

1. Continually update all status boards with current information from ERIS, information obtained over the headset, Notification Message Forms (NMFs) or from the Operations Advisor. Status boards include, but are not limited to:

   a. General information print board
   b. Rx pressure and level chart
   c. Rx critical parameter chart, if ERIS projection is not available
   d. Equipment status board

2. Print the general information print board, as necessary and ensure that Administrative personnel distribute to EOF staff.

3. Ensure that the Operations Advisor and EOF Manager periodically verify status board information.

RELOCATION ACTIONS

Date: _____

Actions Completed Initials

1. Assist EOF staff in gathering material to be transferred to the Alternate EOF (AEOF). ____

DEACTIVATION

Date: _____

1. When directed by the EOF Manager, deactivate the EOF.

2. Forward all documentation generated by the Status Communicator to the EOF Manager.

ENGINEERING SUPPORT ADVISOR

ACTIVATION Date: _____ Actions Completed Initials

1. Obtain plant status from the Operations Advisor. ____
2. Ensure that Engineering Support personnel are assembled and prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Obtain information on engineering activities underway from the TSC Engineering Coordinator.
2. Keep Engineering Support informed of plant activities.
3. Coordinate the activities of the Engineering Support personnel.
4. Periodically communicate with the Engineering Coordinator on plant activities.
5. Obtain periodic updates from the Technical Advisor on plant activities.
6. Obtain prints, procedures, and documents from the Administrative Support Personnel.
7. Assist the Engineering Coordinator as necessary. Relay suggestions on possible repair or corrective actions.
8. Ensure Engineering Support addresses long-term issues and develops recovery actions.
9. Keep the EOF Manager informed of all activities.

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Collect any prints, documents, procedures, etc. needed at the Alternate EOF (AEOF). ____
2. Assist as necessary with transport of documents to the AEOF. ____

ENGINEERING SUPPORT ADVISOR

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the EOF.

2. Forward all documentation to the EOF Manager.

ENGINEERING SUPPORT

ACTIVATION Date: _____ Actions Completed Initials

1. Obtain plant status from the Engineering Support Advisor. ____
2. Inform the Engineering Support Advisor when prepared to perform functional duties. ____

SUBSEQUENT ACTIONS

1. Provide advice on plant repair or corrective actions to the Engineering Support Advisor.
2. Address long-term issues.
3. Develop list of recovery actions.
4. Keep the Engineering Support Advisor informed of all activities.

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Collect any prints, documents, procedures, etc. needed at the Alternate EOF (AEOF). ____
2. Assist as necessary with transport of documents to the AEOF. ____

DEACTIVATION Date: _____

1. When directed by the Engineering Support Advisor, deactivate the EOF.
2. Forward all documentation to the Engineering Support Advisor

HPN COMMUNICATOR

ACTIVATION Date: _____ Actions Completed Initials

1. Obtain current radiological conditions from the Radiation Protection Advisor (RPA). ____
2. Check headset operability. ____
3. Assist the RPA until required to man the Health Physics Network (HPN). ____

SUBSEQUENT ACTIONS

1. When notified by the ENS Communicator, establish contact with the NRC Operations Center and request to be placed on the HPN network.
2. Relay health physics, dose assessment, and meteorological information as requested by the NRC.
3. If in doubt about information, check with the RPA and EOF Manager on the accuracy of your information prior to passing it on to the NRC.
4. Keep the RPA informed of NRC interest and your activities.
5. Upon termination of the emergency, notify the NRC.

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Inform the ENS Communicator of transfer to Alternate EOF (AEOF) and for him to provide information to the NRC. ____
2. Inform the NRC of transfer to the AEOF and that the ENS Communicator will provide data. ____

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the EOF.
2. Secure the HPN network after receiving concurrence from the NRC.
3. Forward all documentation to the EOF Manager.

ADMINISTRATIVE SUPPORT PERSONNEL

ACTIVATION Date: _____ Actions Completed Initials

1. Test the operability of administrative equipment. Administrative equipment includes, but is not limited to: ____

   - EPZ map
   - Copier
   - Fax machine
   - Printer (laser)
   - Electronic document printer
   - Print board

2. Obtain all previous Notification Message Forms. Copy and distribute to EOF staff. ____

3. Assist the EOF staff in activating the facility. ____

4. Inform the Administrative/Logistics Advisor when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Retrieve, copy and distribute ERIS data, Notification Message Forms and printouts from status board as necessary.

2. Update the 10-mile EPZ map with current protective action recommendations.

3. Retrieve drawings, procedures, and documents.

4. Copy information from print board when print board is inoperable.

5. Provide clerical support as directed by the Administrative/Logistics Advisor.

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Collect and transport documents, as necessary to the Alternate EOF (AEOF). ____

ADMINISTRATIVE SUPPORT PERSONNEL

DEACTIVATION Date: _____

1. When directed by the Administrative/Logistics Advisor, deactivate the EOF.

2. Store all procedures, drawings, reference materials and equipment in the appropriate location and condition.

3. Forward all documentation to the EOF Manager.

TELECOMMUNICATIONS SPECIALIST

ACTIVATION Date: _____ Actions Completed Initials

1. Ensure the controlling siren computer is operable. If neither computer is operable, notify the EOF Manager immediately. ____
2. Check ESP_COMM modems and reset as necessary. ____
3. Assist communicators, as necessary. ____
4. Perform any corrective actions required to establish all communications circuits. ____

SUBSEQUENT ACTIONS

1. Enable siren system, as directed.
2. Interrogate the siren system using this attachment to obtain siren system statuses. As soon as possible, inform EOF Manager of any sirens that failed to sound as required.
3. Verify Parish sirens have sounded as they call in to the Louisiana Department of Environmental Quality (LDEQ).
4. Activate any sirens that did not sound.
5. Take corrective action on any communication system that is not operable.
6. Obtain additional assistance through the Administrative/Logistics Advisor, as necessary.

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Proceed to the Alternate EOF (AEOF) with the EOF Manager to assist in the setup of the AEOF. ____

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the EOF.
2. Ensure that all equipment is operable and that all sirens are disabled.
3. Forward all documentation to the EOF Manager.

TELECOMMUNICATIONS SPECIALIST

Obtaining Siren System Statuses

These instructions are for obtaining siren pole statuses/operability once a system activation has been executed. In the event of an emergency requiring the activation of the siren pole units, EOF personnel will need to know if all sirens sounded as required. This information needs to be collected as soon as possible and presented to the EOF Manager. The EOF Manager will notify the applicable parish officials via LDEQ of unsat siren statuses which will initiate route alerting. The generated report will identify which sirens performed as designed and those that might have failed to operate. The following steps may differ slightly for frequent users with assigned logon IDs.

1. Logon to either one of the siren computers.

   a. Select the **Main** button on the toolbar.

   b. Select **User Logon/Logoff** menu item.

   c. Select **LOGON** button.

CAUTION

Once you log on to the system you will have the capability to send control commands to the siren pole units even with the EOF Siren Enable Unit keys in the OFF position.

   d. Enter User ID and press Enter. If you have not been assigned a siren computer ID, open the break box on the wall and use the ID inside.

2. Perform the following to eliminate the potential to inadvertently sound the sirens.

   a. Verify or place the **Enable Control** key switch on the **EOF Siren Enable Unit** in the **OFF** position.

   b. Select the **Displays** button on the siren computer toolbar.

   c. Use the arrow buttons to scroll to **Radio_Check**. Select **Radio_Check**.

   d. Verify or select the following configurations. To change to the correct configuration, click on the applicable key icon and select the appropriate status. A change in configuration causes the computer to start beeping. To silence the beeping, select the **ACK** button.

      - **ENABLE KEY** is **OFF**
      - **DRILL MODE** key is **ON**

3. Perform the following to print out a report of siren statuses.

   a. Select **Main** button on the toolbar.

   b. Select menu item **Demand Reports**.

TELECOMMUNICATIONS SPECIALIST

Obtaining Siren System Statuses (cont'd)

c. Select menu item **User Report.**

d. Select **TSD** and then **PRINT.**

e. Select **Printer** selection button and then select **Apply.**

f. The TSD report will print on both system printers. Remove the TSD report from one of the printers.

4. Return the siren computer to a normal configuration.

a. From the **RADIO_Check** screen, select **Drill Mode** key and change the status to **OFF.**

b. Select **Main** on the toolbar, select **User Logon/Logoff** menu item and then select **LOGOFF.**

5. Review the TSD report to determine and report unsatisfactory siren statuses to the EOF Manager. A sample TSD report is shown below as an example.

a. A fully satisfactory siren sounding will display "ON" for both FULL and ROTOR. In the example below siren WF-021 and WF-032 are displaying the satisfactory statuses after being activated.

b. A partially satisfactory siren sounding will display "OFF" for FULL and "ON" for ROTOR. This condition indicates that the siren sounded and rotated, but all 16 speaker drivers did not work. In the example below Siren WF-026 is displaying a *no-full/off* status; this is considered a trouble but operable.

c. An unsatisfactory siren sounding will display "OFF" for ROTOR. An asterisks means the siren is out of communication and not reporting its' statuses to the computer. In the example below Siren WF-028 is displaying *a no-full/off* status as well as a *no-rotor/off* status. This siren would be considered a failure. Siren WF-031 is indicating both *the full and rotor statuses as being off with an asterisk next to each status.* This would be a failed siren also. In this example the EOF Manager would need to know that sirens WF-027, WF-028, and WF-031 failed to operate properly.

Sample Siren TSD Report

Date	Time						PAGE #
		ENTERGY – RIVER BEND STATION EOF TOTAL SYSTEM DISPLAY					
PAS 1		WF-021	WF-026	WF-027	WF-028	WF-031	WF-032
FULL		**ON**	**OFF**	**ON**	**OFF**	**OFF ***	**ON**
ROTOR		**ON**	**ON**	**OFF**	**OFF**	**OFF ***	**ON**

EOF REGISTRATION

ACTIVATION Date: _____ Actions Completed Initials

1. Ensure that the back door at the west end of the EOF is shut. ____
2. Ensure that door TC 300-17 leading to the decontamination room is shut and locked. ____
3. Ensure that the inner door, TC 300-16 at the west end of the EOF is shut. ____
4. Ensure that both indications on the door push buttons indicate "Green". ____
5. Ensure EOF access list is available. ____

SUBSEQUENT ACTIONS

1. When EOF doorbell rings, push the UNLOCK push button for the outer door. The light should change from "Green" to "Red".

NOTE

Anyone not on the access list must be approved by the Recovery Manager (RM) or EOF Manager for entry into the EOF. NRC personnel should present their credentials as authorization to enter the EOF.

2. When the individual comes through door TC 300-16, ensure that the individual is on the EOF access list and signs the EOF staffing sheet.
3. Keep the EOF Manager informed of any problems or abnormal occurrences.

RELOCATION ACTIONS Date: _____ Actions Completed Initials

1. Assist with transportation of materials to the Alternate EOF (AEOF). ____

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the EOF.
2. Forward all documentation to the EOF Manager.

EOF REGISTRATION

EOF STAFFING SHEET (Typical)

Agency/Position	Printed Name or Signature
Recovery Manager	
EOF Manager	
Radiation Protection Advisor	
Radiological Assessment Coordinator	
Asst. Rad. Assessment Coordinator	
Offsite Team Coordinator	
Operations Advisor	
Administrative/Logistics Advisor	
Communicators (2)	
RP Technicians (3)	
Chemistry Technicians (2)	
Status Communicator(s)	
Technical Advisor	
HPN Communicator	
Events Information Team	
Engineering Support Advisor	
Engineering Support	
Administrative Support	
Telecommunications	
EOF Registration	

PROTECTIVE ACTION RECOMMENDATIONS (PARS)

PAR FLOW CHART

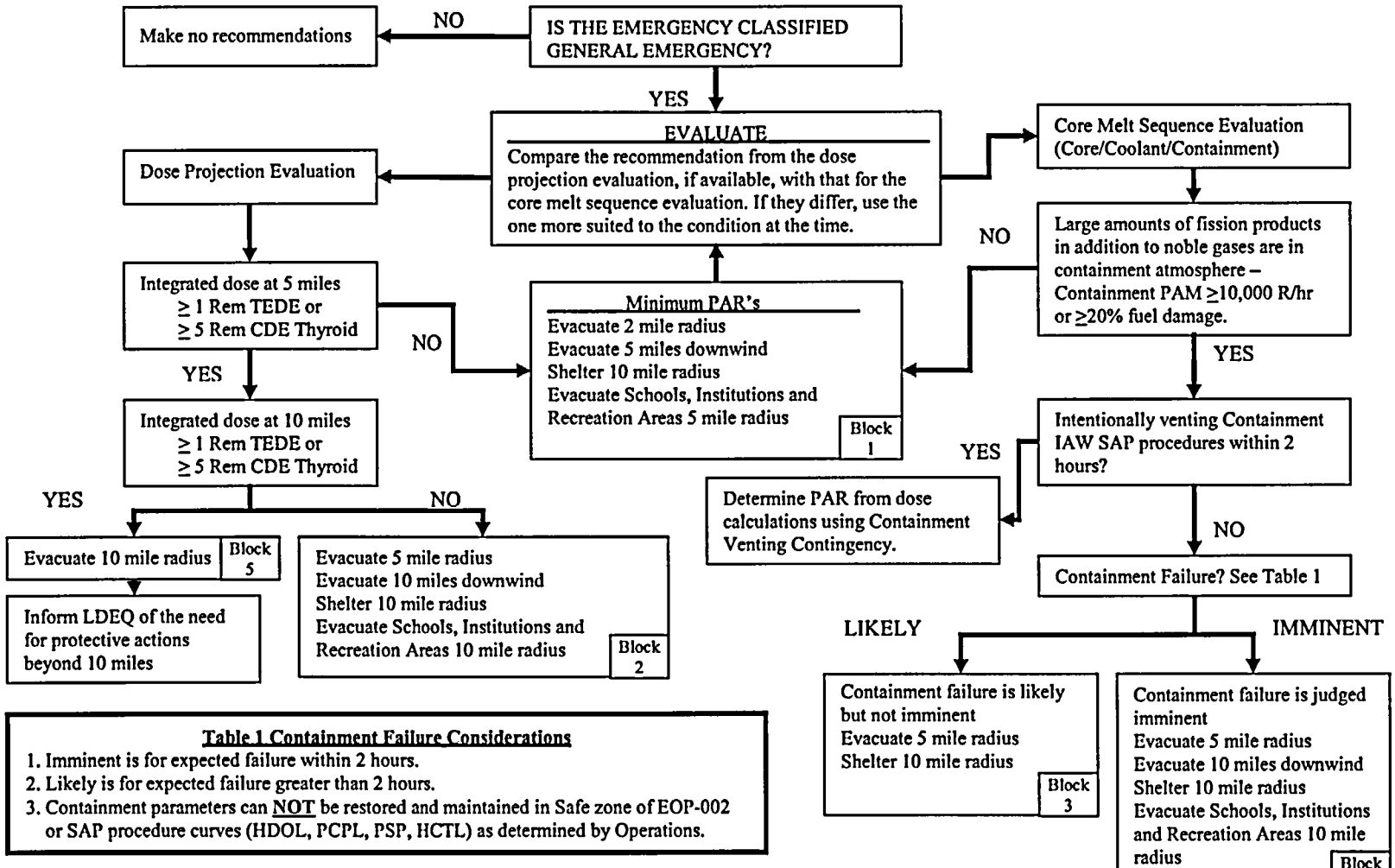


Table 1 Containment Failure Considerations

1. Imminent is for expected failure within 2 hours.
2. Likely is for expected failure greater than 2 hours.
3. Containment parameters can NOT be restored and maintained in Safe zone of EOP-002 or SAP procedure curves (HDOL, PCPL, PSP, HCTL) as determined by Operations.

PROTECTIVE ACTION RECOMMENDATIONS (PARS)

BLOCK 1

PROTECTIVE ACTION FLOWCHART
EVACUATE 2 MILE RADIUS AND EVACUATE 5 MILES DOWNWIND AND SHELTER THE 10 MILE RADIUS AND EVACUATE SCHOOLS, INSTITUTIONS, RECREATION AREAS 5 MILE RADIUS.

Locate the wind direction to find the appropriate scenario number to use.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
168.76-191.25	1	A	R & B
191.26-213.75	1	B	A & C
213.76-236.25	2	C	B & D
236.26-258.75	3	D	C & E
258.76-281.25	4	E	D & F
281.26-303.75	4	F	E & G
303.76-326.25	5	G	F & H
326.26-348.75	5	H	G & J
348.76-11.25	6	J	H & K
11.26-33.75	7	K	J & L
33.76-56.25	8	L	K & M
56.26-78.75	8	M	L & N
78.76-101.25	9	N	M & P
101.26-123.75	10	P	N & Q
123.76-146.25	10	Q	P & R
146.26-168.75	11	R	Q & A

BLOCK 3

PROTECTIVE ACTION FLOWCHART
EVACUATE 5 MILE RADIUS AND SHELTER THE 10 MILE RADIUS.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTORS
ANY	12	ALL	ALL

PROTECTIVE ACTION RECOMMENDATIONS (PARS)

BLOCK 2 OR 4

PROTECTIVE ACTION FLOWCHART
EVACUATE 5 MILE RADIUS AND EVACUATE 10 MILES DOWNWIND AND SHELTER THE 10 MILE RADIUS AND EVACUATE SCHOOLS, INSTITUTIONS, RECREATION AREAS 10 MILE RADIUS.

Locate the wind direction to find the appropriate scenario number to use.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
168.76-191.25	13	A	R & B
191.26-213.75	14	B	A & C
213.76-236.25	15	C	B & D
236.26-258.75	15	D	C & E
258.76-281.25	16	E	D & F
281.26-303.75	17	F	E & G
303.76-326.25	18	G	F & H
326.26-348.75	19	H	G & J
348.76-11.25	20	J	H & K
11.26-33.75	21	K	J & L
33.76-56.25	22	L	K & M
56.26-78.75	23	M	L & N
78.76-101.25	24	N	M & P
101.26-123.75	25	P	N & Q
123.76-148.25	25	Q	P & R
148.26-168.75	26	R	Q & A

BLOCK 5

PROTECTIVE ACTION FLOWCHART
EVACUATE 10 MILE RADIUS

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
ANY	27	ALL	ALL

LOG FORM

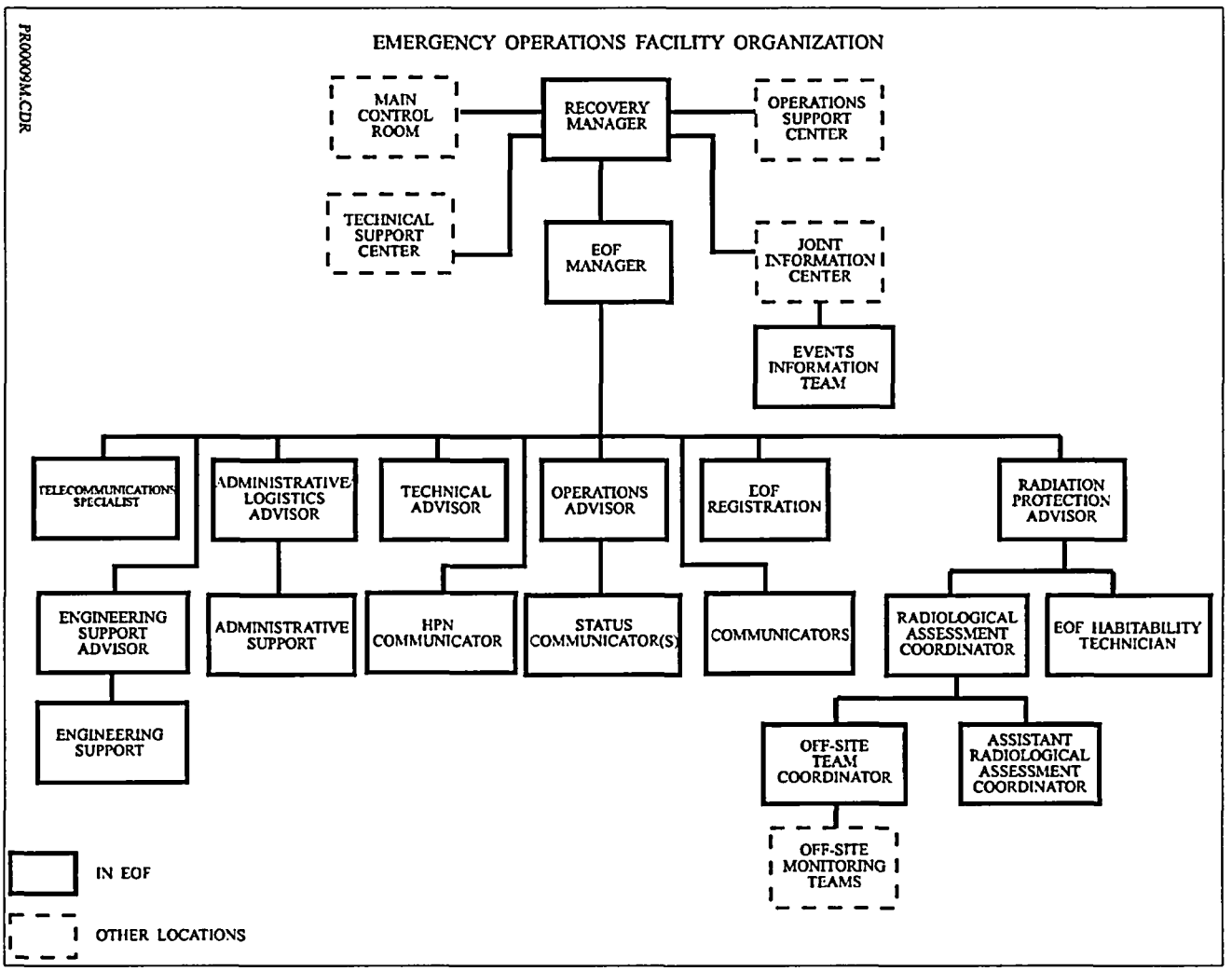
(Typical)

Name _____ Date _____

Position _____ Page ___ of ___

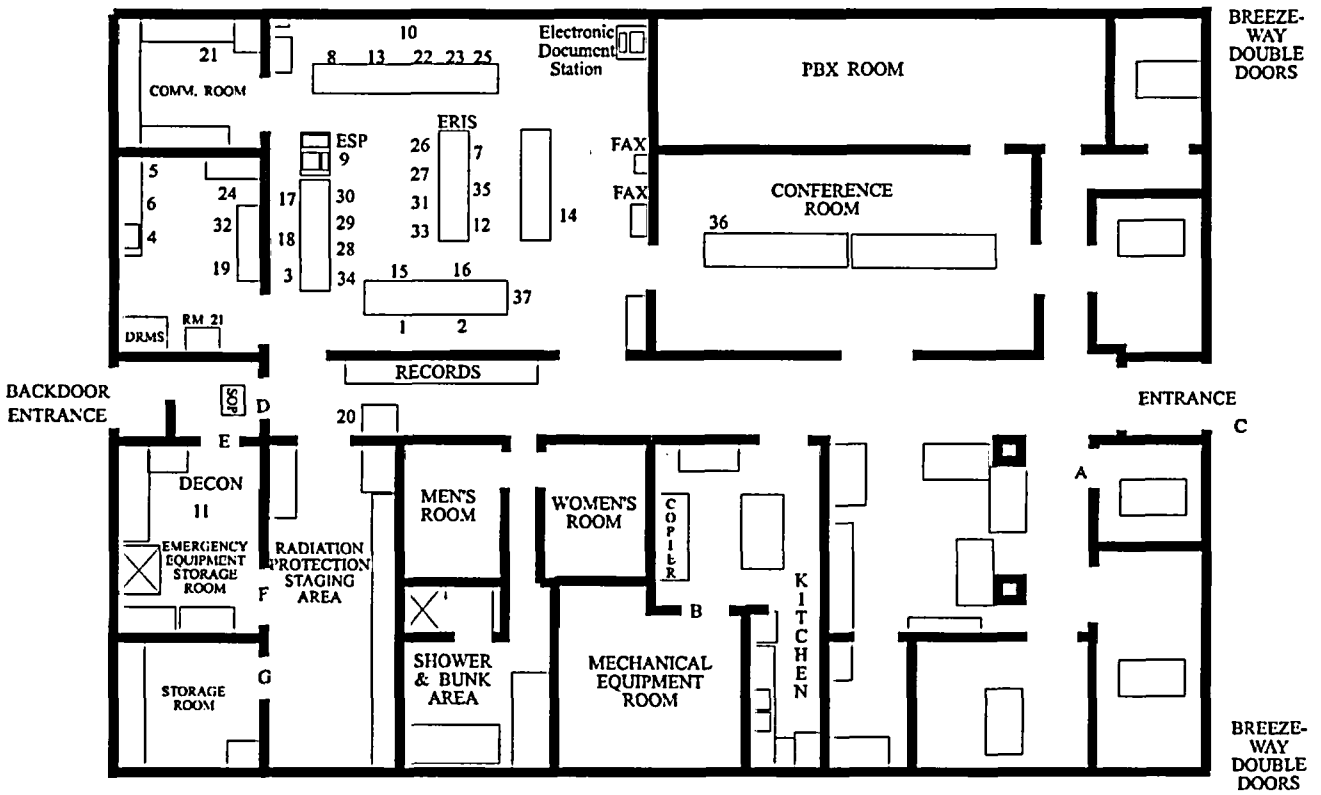
TIME	ACTIVITY
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

ORGANIZATIONAL CHART



EOF FLOOR PLAN

(TYPICAL)



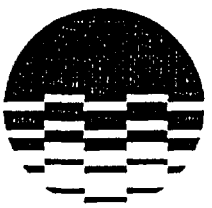
PERSONNEL:

1 RECOVERY MANAGER
2 EOF MANAGER
3 RADIATION PROTECTION ADVISOR
4 ASST. RADIOLOGICAL ASSESSMENT COORD.
5 OFF-SITE TEAM COORD.
6 RADIOLOGICAL ASSESSMENT COORD.
7 OPERATIONS ADVISOR
8 ADMIN/LOGISTICS ADVISOR
9 COMMUNICATORS
10 STATUS COMMUNICATOR(S)
11 EOF HABITABILITY TECH.
12 TECHNICAL ADVISOR
13 ADMIN. SUPPORT
14 EVENTS INFORMATION TEAM
15 NRC DSO/MANAGEMENT COUNTERPART LINK
16 LDEQ SENIOR LIAISON
17 LDEQ ACCIDENT ASSESSMENT COORDINATOR
18 HPN COMMUNICATOR
19 NRC ENVIRONMENTAL DOSE ASSESSMENT COORDINATOR
20 EOF REGISTRATION
21 TELECOMMUNICATIONS SPECIALIST
22 NRC GOVMT LIAISON COORD.
23 NRC GOVMT LIAISON ASST.
24 LDEQ LOGISTICS COORD.
25 NRC ENS MONITOR
26 NRC REACTOR SAFETY COUNTERPART LINK COMM.
27 NRC REACTOR SAFETY COORD.
28 NRC PROTECTIVE MEASURES COORD.
29 NRC RADIATION SAFETY COORD.
30 NRC HEALTH PHYSICS SPECIALIST
31 NRC REACTOR SAFETY SPECIALIST
32 LDEQ DOSE ASSESSMENT
33 NRC EMERGENCY RESPONSE COORD.
34 NRC PROTECTIVE MEASURES COUNTERPART LINK COMM.
35 ENGINEERING SUPPORT ADVISOR
36 ENGINEERING SUPPORT
37 ADMIN. SUPPORT

DOORS (A) TC300-06 (B) TC-300-09 (C) TC-100-19 (D) TC-300-16 (E) TC-300-17 (F) TC-300-15 (G) TC-300-14
PR00008M.CDR

REFERENCE USE

*G12.23.2



ENTERGY

RIVER BEND STATION
STATION SUPPORT MANUAL
*EMERGENCY IMPLEMENTING PROCEDURE

*ALTERNATE EOF - ACTIVATION AND TRANSFER OF FUNCTIONS

PROCEDURE NUMBER:	***EIP-2-022**
REVISION NUMBER:	***18**
Effective Date:	*** 10/20/03**

NOTE : SIGNATURES ARE ON FILE.

*INDEXING INFORMATION

TABLE OF CONTENTS

1 PURPOSE

This procedure provides instructions for activation, operation, and deactivation of the Alternate Emergency Operations Facility (AEOF).

2 REFERENCES

2.1 EIP-2-012, Radiation Exposure Controls

2.2 EIP-2-024, Offsite Dose Calculations

2.3 EIP-2-028, Recovery

2.4 EPP-2-100, Procedure Review, Revision and Approval

3 DEFINITIONS

3.1 Activation - The process of assembling personnel, verifying equipment operability, and making a facility ready to support the emergency response.

3.2 Augmentation – Actions taken to support onshift personnel or the Emergency Response Organization.

3.3 Imminent – Mitigation actions have been ineffective and trended information indicates that the event or condition will occur within 2 hours.

3.4 Operational - Status of an emergency facility declared by the appropriate facility manager upon determining that the facility is adequately staffed and equipment is set up and available to perform the emergency functions assigned to that facility.

3.5 Radioactive release - For the purpose of offsite notifications, and discussions with State and local authorities, a "release" will be determined to be occurring and the "Radioactive Release" on the Short and Long Notification Message Forms is marked "yes", when:

3.5.1. any one of three effluent monitors indicates a value three times the High alarm set point

OR

3.5.2. any two of the three effluent monitors indicate a value equal or greater than the High alarm set point.

The three effluent monitors are:

TITLE	NO.
Main Plant Exhaust Stack	RMS-RE125 Channel 4 (4GE125)
Radwaste Vent. Exhaust	RMS-RE006 Channel 4 (4GE006)
Fuel Bldg. Vent. Exhaust	RMS-RE005 Channel 4 (4GE005)

OR

3.5.3. An unmonitored release is detected at the site boundary by teams with surveys instruments.

3.6 Short Notification Message Form (SNMF) - Used for declaration of an emergency classification or changes to the Protective Action Recommendations (PARs). Notification must be made to State and local authorities within approximately 15 minutes. The Short Notification Message Form contains information about the class of emergency, whether a release is taking place, potentially affected population and areas, and whether protective measures may be necessary.

3.7 Long Notification Message Form (LNMF) - Used for providing State and local authorities follow-up information. The LNMF is sent out as soon as possible following a SNMF. The LNMF is also sent out for any significant changes to plant conditions that do not require an emergency escalation or change in PARs. No more than 2 hours should be exceeded between any two LNMFs.

4 RESPONSIBILITIES

4.1 Recovery Manager:

4.1.1. provide overall management of River Bend Station (RBS) response activities.

4.1.2. provide notifications and make protective action recommendations to offsite authorities.

4.1.3. coordinate RBS response activities as required with offsite organizations.

4.1.4. ensures that offsite radiological conditions are measured and monitored.

4.1.5. review information being released to the Joint Information Center (JIC).

4.1.6. establish a Recovery Organization.

4.1.7. terminate the emergency.

4.2 EOF Manager - Ensure that the EOF is activated, ensure that notification message forms are properly filled out and completed on time, and that EOF staff provide support functions per the applicable section(s) of this procedure.

5 GENERAL

5.1 Attachment 21, Alternate Emergency Operations Facility Floor Plan, is a typical setup for the AEOF.

6 PROCEDURE

NOTE

The actions of this procedure may be completed in any sequence, however, the sequence presented in the attachments is recommended.

Report any actions unable to complete, equipment issues, or problems to EOF Manager for resolution and/or determining facility operational status.

6.1 Recovery Manager

6.1.1. The Recovery Manager should use Attachment 1 as a guideline. Document pertinent information on Attachment 20.

6.2 EOF Manager

6.2.1. The EOF Manager should use Attachment 2 as a guideline. Document pertinent information on Attachment 20.

6.3 Administrative/Logistics Advisor

6.3.1. The Administrative/Logistics Advisor should use Attachment 3 as a guideline. Document pertinent information on Attachment 20.

6.4 Radiation Protection Advisor

6.4.1. The Radiation Protection Advisor should use Attachment 4 as a guideline. Document pertinent information on Attachment 20.

6.5 Radiological Assessment Coordinator

6.5.1. The Radiological Assessment Coordinator should use Attachment 5 as a guideline. Document pertinent information on Attachment 20.

6.6 Assistant Radiological Assessment Coordinator

6.6.1. The Assistant Radiological Assessment Coordinator should use Attachment 6 as a guideline. Document pertinent information on Attachment 20.

6.7 Offsite Team Coordinator

6.7.1. The Offsite Team Coordinator should use Attachment 7 as a guideline. Document pertinent information on Attachment 20.

6.8 EOF Habitability Technician

6.8.1. The EOF Habitability Technician should use Attachment 8 as a guideline. Document pertinent information on Attachment 20.

6.9 Communicator(s)

6.9.1. The Communicator(s) should use Attachment 9 as a guideline.

6.10 Operations Advisor

6.10.1. The Operations Advisor should use Attachment 10 as a guideline. Document pertinent information on Attachment 20.

6.11 Technical Advisor

6.11.1. The Technical Advisor should use Attachment 11 as a guideline. Document pertinent information on Attachment 20.

6.12 Status Communicator

6.12.1. The Status Communicator should use Attachment 12 as a guideline.

6.13 Engineering Support Advisor

6.13.1. The Engineering Support Advisor should use Attachment 13 as a guideline. Document pertinent information on Attachment 20.

6.14 Engineering Support

6.14.1. The Engineering Support personnel should use Attachment 14 as a guideline. Document pertinent information on Attachment 20.

6.15 Offsite Monitoring Teams

6.15.1. The Offsite Monitoring Teams should use EIP-2-014 as a guideline.

6.16 HPN Communicator

6.16.1. The HPN Communicator should use Attachment 15 as a guideline. Document pertinent information on Attachment 20.

6.17 Administrative Support Personnel

6.17.1. The Administrative Support Personnel should use Attachment 16 as a guideline. Document pertinent information on Attachment 20.

6.18 Telecommunications Specialist

6.18.1. The Telecommunications Specialist should use Attachment 17 as guideline. Document pertinent information on Attachment 20.

6.19 EOF Registration

6.19.1. The EOF Registration person should use Attachment 18 as a guideline.

7 DOCUMENTATION

Attachments 1-18 and 20 of this procedure will be sent to Permanent Plant Files (PPF) per EPP-2-100 by the Manager - Emergency Preparedness.

RECOVERY MANAGER

ACTIVATION Date: _____ Actions Completed Initials

1. Review status of the emergency and offsite notifications with the Emergency Director in the TSC. ____

2. Brief the Alternate EOF (AEOF) staff on the status of the emergency. ____

3. When informed by the EOF Manager that minimum staffing is available and ready to perform functions, announce that the AEOF is operational and inform the TSC. ____

SUBSEQUENT ACTIONS

1. When the AEOF is ready to assume control:

   1.1 Contact the Emergency Director

      1.1.1 Ensure that message control and dose assessment is transferred to the AEOF.

      1.1.2 Transfer RM duties from the Emergency Director.

   1.2 Announce that the AEOF has assumed RM duties from the TSC.

2. Periodically update the AEOF staff.

3. Review information being released to the Joint Information Center (JIC).

4. Review and approve Notification Message Forms for transmittal.

NOTE

Protective Action Recommendations (PARs) must be developed within 15 minutes of the declaration of a General Emergency or data availability which require upgrading the PARs.

RECOVERY MANAGER

PARs

5. Using Attachment 19, formulate Protective Action Recommendations (PARs) and scenario number using dose projections, field monitoring data and plant conditions. Unnecessary evacuation of the public is NOT considered a conservative decision. Do NOT recommend a PAR change that would shelter an area (PAS) that has already been recommended for evacuation.

CAUTION

Emergency Operating Procedures (EOPs) require containment venting at specified pressures and hydrogen concentrations, regardless of offsite consequences.

6. Evaluate PARs in anticipation of intentional containment venting. As appropriate and time permitting, other considerations for containment venting include:

   - Notify JIC, States and Parishes about any venting and any expected PAR changes.
   - How will altering the venting start time affect offsite doses due to containment radioactivity buildup\decay?
   - Is the release be a puff, series of puffs or continuous and what is the expected duration(s)?
   - Would the population-at-risk be able to evacuate before plume reaches them?
   - Are the winds variable or expected to change and affect areas where protective actions are NOT in place?
   - Are there any special interest groups or facilities to consider?

7. Review and discuss the protective actions to be recommended for the general public with the appropriate personnel and the Louisiana Department of Environmental Quality (LDEQ) Liaison Officer, if available. If State representatives have not yet arrived, recommendations to the local authorities shall not be delayed.

8. Ensure the Siren System has been enabled before setting the siren sounding time with the State and local parishes.

9. Provide PARs to State and local authorities within 15 minutes. Once State and local authorities receive the PARs, the State and local authorities will have approximately 5 minutes to review the PARs.

10. When the Directors of all parishes, the Operations Officer at Louisiana Office of Homeland Security and Emergency Preparedness (LHLS/EP, formerly LOEP), and the LDEQ Liaison are on the Hotline, verify the PARs (Scenario Number) each parish intends to implement.

RECOVERY MANAGER

11. Write the scenario number approved and initial each parish choice on the PAR Verification Checklist provided by the Communicator.

12. Obtain siren sounding time from Operations Officer and document on PAR Verification Checklist.

13. Revise PARs based on wind shifts when advised by the Radiation Protection Advisor (RPA).

Termination

14. If doses $\geq$ 1 rem TEDE or $\geq$ 5 rem CDE are projected at 10 miles, ensure the LDEQ Liaison is aware of the need for protective actions beyond 10 miles.

15. Coordinate with the Emergency Director on terminating the emergency in accordance with the following criteria:

    ALERT - Terminate the emergency when the Alert conditions are no longer met and the following conditions have been accomplished:

    1. The plant is in a stable condition.

    2. Excessive releases of radioactivity to the environment have been terminated and no further potential for significant radioactivity releases exists.

    3. No further potential for major damage to equipment exists.

    SAE/GE - Terminate the emergency when the SAE/GE conditions are no longer met and the following has been accomplished:

    1. The reactor is shutdown, is in a stable, safe configuration, and adequate core cooling is available.
    2. Excessive releases of radioactivity to the environment have been terminated and no further potential for significant radioactivity releases exist.
    3. Offsite concentrations of radioactivity in the atmosphere or in waterways have dispersed to near background levels, excluding ground deposition.
    4. The State of Louisiana, the local parishes, and the NRC concur in terminating the emergency.

16. Notify the NRC and offsite authorities of the emergency termination.

17. When a Site Area Emergency or General Emergency has been terminated, implement EIP-2-028, Recovery.

RECOVERY MANAGER

DEACTIVATION Date: _____

1. Ensure that the recovery organization has been established, as necessary.
2. Direct the emergency facilities to deactivate.
3. Discuss deactivation of the JIC with the JIC Director.

EOF MANAGER

ACTIVATION Date: _____ Actions Completed Initials

1. Open lockers and direct personnel to start setting up the Alternate EOF (AEOF). ____

2. Arrange tables in accordance with Attachment 21 and ensure that phones, displays, boards etc. are in place. ____

3. Ensure that AEOF Registration is established. ____

4. All minimum staffing personnel have completed the activation portion of their checklists and are prepared to perform functional responsibilities: ____

   MINIMUM STAFFING:
   a. Recovery Manager
   b. EOF Manager
   c. Radiation Protection Advisor
   d. Radiological Assessment Coordinator
   e. Assistant Radiological Assessment Coordinator
   f. Operations Advisor
   g. Technical Advisor
   h. Communicator (Only 1 required for minimum staffing)

5. Inform the Recovery Manager that the AEOF is ready to be declared operational. ____

SUBSEQUENT ACTIONS

NOTE

Notifications to State and local authorities must be made within approximately 15 minutes of a declaration of an emergency or Protective Action Recommendation (PAR) change using the Short Notification Message Form (SNMF).

1. Assist Recovery Manager (RM) with transfer of RM duties, as necessary.

2. Ensure status boards are updated.

EOF MANAGER

SUBSEQUENT ACTIONS (cont'd)

NOTE

All Notification Message Forms must be reviewed and approved by the Recovery Manager (RM).

3. Prepare the appropriate Short Notification Message Form (SNMF).

4. As soon as possible following the SNMF, prepare a Long Notification Message Form (LNMF) as shown on page 3 of this attachment. Refer to page 4 of this attachment for directions on how to fill out the LNMF.

5. Prepare a LNMF when significant changes to plant conditions occur that do not require an emergency escalation or change in PARs. During extended emergencies, State and local authorities should be updated at least every 2 hours using the LNMF.

6. Assist offsite emergency response agencies, as they arrive, in gathering information and with communications needs.

7. Request offsite and Federal assistance as directed by the RM.

8. Ensure the Administrative/Logistics Advisor develops a long term relief rotation list.

9. Keep the RM informed of all activities.

10. Upon termination of the emergency, ensure that notifications are made to State and local authorities using the LNMF.

DEACTIVATION Date: _____

1. Upon decision to deactivate the emergency facilities, announce deactivation of the Alternate EOF (AEOF).

2. Ensure that all equipment is returned to the lockers and stored properly. Report all damaged or missing equipment to the Manager - Emergency Preparedness.

3. Ensure that all documentation is forwarded to the Manager - Emergency Preparedness.

EOF MANAGER
LONG NOTIFICATION MESSAGE FORM

NOTIFICATION MESSAGE FORM

1. THIS IS RIVER BEND NUCLEAR STATION WITH MESSAGE NUMBER _____

2. A. _____/_____ B. COMM: _____ C. TEL. NO: _____
(TIME/DATE) (NAME)

3. EMERGENCY CLASSIFICATION:
A. ☐ NOTIFICATION OF UNUSUAL EVENT C. ☐ SITE AREA EMERGENCY E. ☐ TERMINATED
B. ☐ ALERT D. ☐ GENERAL EMERGENCY

4. CURRENT EMERGENCY CLASSIFICATION ☐ DECLARATION ☐ TERMINATION

5. Time/Date: _____/_____
RECOMMENDED PROTECTIVE ACTIONS:
A. ☐ No Protective Actions Recommended At This Time (Go to Item 6).
B. ☐ EVACUATE _____
☐ SHELTER _____

6. INCIDENT DESCRIPTION/UPDATE/COMMENTS: _____

7. REACTOR SHUTDOWN? ☐ NO ☐ YES Time/Date: /

8. METEOROLOGICAL DATA:
A. Wind direction FROM _____ Degrees at _____ MPH
B. Sectors Affected (A-R): _____
C. Stability Class (A-G): _____
D. Precipitation: ☐ None ☐ Rain ☐ Sleet ☐ Snow ☐ Hail ☐ Other _____

9. RELEASE INFORMATION:
A. ☐ No Release (Go to Item 13) C. ☐ A RELEASE OCCURRED BUT STOPPED; Duration _____ hrs.
Release Stopped at _____ hrs.
B. ☐ A RELEASE IS OCCURRING: Expected Duration _____ hrs.
Release Started at _____ hrs.

10. TYPE OF RELEASE:
A ☐ Radioactive Gases B. ☐ Radioactive Airborne Particulates C. ☐ Radioactive Liquids

11. RELEASE RATE:
A. NOBLE GASES _____ Ci/s B. IODINES _____ Ci/s

12. ESTIMATE OF PROJECTED OFF-SITE DOSE:
A. Projections for _____ hours based on: ☐ Field Data ☐ Plant Data
B. (TEDE) WB DOSE COMMITMENT (Rem) C. (CDE) THYROID DOSE COMMITMENT (Rem)
Site Boundary _____ 5 miles _____ Site Boundary _____ 5 miles _____
2 miles _____ 10 miles _____ 2 miles _____ 10 miles _____

13. MESSAGE APPROVED BY: _____ TITLE: _____

14. MESSAGE RECEIVED BY: _____ TIME:

PR00015M.CDR

EOF MANAGER
GUIDELINES FOR COMPLETING THE LNMF

	ESP_COMM	MANUAL METHOD
Line 1	Message Number automatic	Assign a message number. Number the messages sequentially until the emergency is terminated.
Line 2	2A Time/Date automatic upon transmission. 2B Comm: Select facility from pull-down menu. (CR/TSC/EOF Communicator) 2C Tel. No.: Indicate "hotline" unless alternate method is being used, then enter alternate method.	2A Enter Time/Date message was transmitted. 2B Comm.: Enter facility name. (CR/TSC/EOF Communicator) 2C Tel. No.: Indicate "hotline" unless alternate method is being used, then enter alternate method.
Line 3	Automatic from Short Form. If termination message, check "terminated".	Check appropriate classification or terminated.
Line 4	Automatic from Short Form. For termination, check "termination" and enter termination time/date.	Check either declaration or termination. Enter time/date of emergency declaration or termination.
Line 5	Check appropriate box(es). If PAR has been recommended, select appropriate protective actions and indicate scenario number.	Check appropriate box(es). If PARs have been recommended, indicate the scenario number.
Line 6	Enter description from Short Form. May add information as necessary. Use this line to correct any previous errors.	Enter description from Short Form. May add information as necessary. Use this line to correct any previous errors.
Line 7	Indicate if the reactor is shutdown. Information should be obtained from Operations. If yes, enter time/date.	Indicate if the reactor is shutdown. Information should be obtained from Operations. If yes, enter the time/date.
Line 8	Information for Lines 8A-C can be found on CADAP on the "values" screen. A backup to CADAP for meteorological data is the Meteorological Tower printer and Control Room. 8A - Enter wind direction and speed. 8B - Enter the affected sectors according to the current wind direction. 8C -Enter stability class. 8D - Check appropriate box. NOTE: 8 A-C are automatically completed when dose data is imported from CADAP.	Information for Lines 8A-C can be found on CADAP on the "values" screen. A backup to CADAP for meteorological data is the Meteorological Tower printer and Control Room. 8A - Enter wind direction and speed. 8B - Enter the affected sectors according to the current wind direction. 8C - Enter stability class. 8D - Check appropriate box.
Line 9	Determine if there is a release. 9A If no release, check block A and proceed to line 13. 9B/C If release has occurred or is occurring, check B or C as appropriate and enter duration and time release started/stopped. When checking B & C, be sure to import appropriate dose data.	Determine if there is a release. 9A If no release, check block A and proceed to line 13. 9B/C If release has occurred or is occurring, check B or C as appropriate and enter duration and time release started/stopped. When checking B & C, be sure to import appropriate dose data on line 12B.
Line 10	Indicate the type of release. If there is no core damage, check 10A. If there is clad damage or fuel melt, check 10A & 10B. If the release is a liquid release, check 10C.	Indicate the type of release. If there is no core damage, check 10A. If there is clad damage or fuel melt, check 10A & 10B. If the release is a liquid release, check 10C.
Line 11	Imported from CADAP	Enter release rate. DRMS provides release rates in uCi/sec. These rates must be converted to Ci/sec. CADAP also provides this information through Notepad.
Line 12	12A Enter numbers of hours used and method used in dose calculation. 12B Import from CADAP.	12A Enter numbers of hours used and method used in dose calculation. 12B Obtain from CADAP results.
Line 13	Enter Recovery Manager's name and "RM" as title. RM must review and approve NMFs prior to transmission.	Enter Recovery Manager's name and "RM" as title. RM must review and approve NMFs prior to transmission.
Line 14	Leave blank. For use by parishes.	Leave blank. For use by parishes.

ADMINISTRATIVE/LOGISTICS ADVISOR

ACTIVATION Date: _____ Actions Completed Initials

1. Ensure that all telephones are in place. ____
2. Ensure that all procedure books and supplies are in place. ____
3. Contact the Administrative Coordinator in the TSC concerning any personnel injuries or other events requiring your attention. ____

SUBSEQUENT ACTIONS

1. Contact the hospital for current information on injured personnel, as applicable. Keep the EOF Manager informed of status.
2. Develop long-term staffing rotation list:
   a. Using page 3 of this attachment, determine long-term relief rotation.
   b. If PARs have been issued, discuss recommended routes with the Radiation Protection Advisor (RPA). Once access route is established, inform Administrative Coordinator and Logistics Team Supervisor for shift rotation in the TSC and JIC.
   c. Contact the individuals on the rotation list and inform them of the time they are scheduled to report and the proper route to be taken.
3. Coordinate assistance from the Corporate Emergency Center (CEC). Use the INPO Emergency Resources Manual as reference.
4. Coordinate assistance for equipment, supplies, food, lodging, travel, and communications, as necessary. If Protective Action Recommendations (PARs) have been issued, obtain recommended routes from the RPA and arrange for Emergency Planning Zone (EPZ) access through the Parish Emergency Operations Centers (EOCs).
5. Coordinate monetary matters through the Corporate Emergency Center. Assistance may be requested from Corporate Business Services.
6. Obtain list of materials, supplies, and contractors that may be required for recovery from EOF and TSC personnel.

ADMINISTRATIVE/LOGISTICS ADVISOR

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the AEOF.

2. Ensure that all equipment, procedures, and drawings are properly stored.

3. Ensure that all materials brought to the AEOF from the EOF are returned to the appropriate storage locations in the EOF.

4. Have administrative staff collect all documentation.

5. Ensure that all documentation is forwarded to the EOF Manager.

ADMINISTRATIVE/LOGISTICS ADVISOR

EOF STAFF ROTATION
(12-Hour Shifts)

Position	Date: Time:			
Recovery Manager				
EOF Manager				
Rad. Protection Advisor				
Rad. Assess. Coord.				
Asst. Rad. Assess. Coord.				
Offsite Team Coord.				
Operations Advisor				
Admin./Log. Advisor				
Communicators				
Status Comm.				
Technical Advisor				
HPN Communicator				
Event Info. Team				
Eng. Support Advisor				
Engineering Support				
Administrative Support				
Telecommunications				
EOF Registration				

RADIATION PROTECTION ADVISOR

ACTIVATION Date: _____ Actions Completed Initials

1. Ensure that the Radiological Assessment Coordinator (RAC) and Asst. Radiological Assessment Coordinator (ARAC) are available and prepared to assume functional responsibilities. ____

2. Ensure that Asst. Radiological Assessment Coordinator is receiving Digital Radiation Monitoring System (DRMS) information from the TSC. ____

3. Inform the EOF Manager when the RAC and ARAC is prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Obtain status of offsite monitoring teams and radiological conditions from the Radiation Protection Coordinator. Ensure teams are dispatched and controlled as necessary.

2. Assume control of dose assessment activities when directed by the Recovery Manager (RM). Ensure dose calculations are performed as necessary.

3. Review dose projection calculations and any offsite radiological monitoring data available.

4. Using Attachment 19, formulate Protective Action Recommendations (PARs) and scenario number using dose projections, field monitoring data, and plant conditions. Unnecessary evacuation of the public is **NOT** considered a conservative decision.

5. Discuss the PARs with the Recovery Manager (RM) and Louisiana Department of Environmental Quality (LDEQ) Liaison, if available, including the basis and reasoning used to arrive at the PARs.

6. Provide scenario number for the Short Notification Message Form.

7. Provide information for appropriate sections of the Long Notification Message Form.

8. Review all notification message forms containing radiological data prior to transmittal.

9. Inform RM of wind shifts which could affect PARs.

RADIATION PROTECTION ADVISOR

SUBSEQUENT ACTIONS (cont'd)

10. After initial PAR implementation, assuming no change in dose projections which would require an increase in PARs, wind shifts, which change the scenario number, may trigger an increase in PARs to a higher level. To determine the appropriate PAR, review the emergency scenario maps and the National Weather Service (NWS) forecast. Do **NOT** recommend a PAR change that would shelter an area (PAS) that has already been recommended for evacuation. In addition, if NWS indicates continued wind shifts, consider the following guidance:

    a. **Present PARs** - Evacuate 2 mile radius, evacuate 5 miles downwind, shelter the 10 mile radius and evacuate schools, institutions and recreation areas in the 5 mile radius (minimum PARs)

       Wind shifts - Evacuate 5 mile radius and shelter the 10 mile radius (Scenario #12)

    b. **Present PARs** - Evacuate 5 mile radius, evacuate 10 miles downwind, shelter the remaining 10 mile radius and evacuate schools, institutions and recreation areas in the 10 mile radius

       Wind shifts - Evacuate 10 mile radius (Scenario #27)

11. When PARs are issued, provide recommended routes for personnel and deliveries into River Bend Station.

12. If doses $\geq$ 1 rem TEDE or $\geq$ 5 rem CDE thyroid are projected at 10 miles, estimate the projected dose at 15, 20, and 25 miles, as appropriate. Inform the RM and the LDEQ Liaison of the distance and downwind areas at which a Protective Action Guideline (PAG) is estimated to be exceeded.

13. Evaluate radiation exposures and inform RM of anyone approaching 10CFR20 limits.

14. Periodically update the RM, LDEQ, and Radiation Protection Coordinator (RPC) on offsite radiological data, both real time measurements and projected exposures.

15. Keep the RPC informed of activities.

RADIATION PROTECTION ADVISOR

SUBSEQUENT ACTIONS (cont'd)

16. Evaluate the need for offsite monitoring team personnel to exceed the 10CFR20 limits or the need for the use of Potassium Iodide (KI) in accordance with EIP-2-012, Radiation Exposure Controls. Inform the RM and obtain the Emergency Director's authorization.

17. Make arrangements with environmental services for analysis of environmental samples taken by offsite monitoring teams.

DEACTIVATION Date: _____

1. When directed by the EOF Manager, have the radiological staff deactivate the AEOF.

2. Ensure that all documentation is forwarded to the EOF Manager.

RADIOLOGICAL ASSESSMENT COORDINATOR

ACTIVATION Date: _____ Actions Completed Initials

1. Ensure communications with offsite monitoring teams. ____
2. Ensure Assistant Radiological Assessment Coordinator (ARAC) and Offsite Team Coordinator are prepared to perform functional responsibilities. ____
3. Inform Radiation Protection Advisor (RPA) when prepared to perform dose assessment activities. ____

SUBSEQUENT ACTIONS

1. Determine if any DRMS or meteorological parameters used in dose calculations are in a Limiting Condition for Operation (LCO) and inform the ARAC of any limitations.
2. Call the National Weather Service to obtain weather forecast.
3. Provide direction to the Offsite Team Coordinator in tracking offsite monitoring teams including dose limits, frequency of dose checks, etc. If State offsite teams are available, coordinate offsite monitoring with the State representative in the EOF.
4. Review and assess the results of dose calculations and offsite monitoring team data. Based on the data indication, assess the need for the use of potassium iodide (KI) by the offsite teams.
5. Keep the RPA informed of all activities.
6. When a release is in progress, direct the Offsite Team Coordinator to obtain Offsite Team dosimeter readings. Direct the ARAC to convert the readings to TEDE and evaluate as follows:
   a. When a Team Member's dosimeter reading reaches 1 R, immediately convert to TEDE and evaluate.
   b. If converted TEDE is greater than 5 rem, obtain a whole body count as soon as practical to confirm calculated TEDE, and consider replacing the individual on the Team.
   c. If confirmed TEDE is greater than 5 rem, inform RPC of over exposure for NRC notification (10CFR20).

RADIOLOGICAL ASSESSMENT COORDINATOR

SUBSEQUENT ACTIONS (cont'd)

7. Direct the Offsite Team Coordinator to notify Offsite Monitoring Teams if KI is recommended.

8. If doses $\geq$ 1 rem TEDE or $\geq$ 5 rem CDE thyroid are projected at 10 miles, estimate the projected dose at 15, 20, and 25 miles, as appropriate. Inform the RPA of the distance and downwind areas at which a Protective Action Guideline (PAG) is estimated to be exceeded.

Estimate radiation doses beyond 10 miles using the following factors:
These ratios may be used regardless of Stability Class, Wind Speed or Time After Shutdown when the Core State = "Fuel Melt".
Radiation Dose at 15 miles = dose at 10 miles x 0.387 Radiation Dose at 20 miles = dose at 10 miles x 0.267 Radiation Dose at 25 miles = dose at 10 miles x 0.226
Ratios are applicable to either TEDE or CDE, although CDE Thyroid will normally be the dominant factor.

DEACTIVATION Date: _____

1. When directed by the RPA, deactivate the Alternate EOF (AEOF).

2. Ensure that all documentation is forwarded to the RPA.

3. Ensure that Offsite Monitoring Teams are informed to deactivate.

ASSISTANT RADIOLOGICAL ASSESSMENT COORDINATOR

ACTIVATION Date: _____ Actions Completed Initials

NOTE:

If the Digital Radiation Monitoring System (DRMS) or meteorological tower information is unavailable in the facility, have Radiation Protection Advisor (RPA) request an individual from the OSC be dispatched to the Control Room to relay data. Any means of communication may be used to relay this information and values may also be obtained from an ERIS computer.

1. CADAP (Computer Aided Dose Assessment Program) is running. ____
2. DRMS values for performing dose calculations can be obtained. ____
3. Meteorological data for performing dose calculations can be obtained. ____
4. Establish contact with the Chemistry/Core Damage Assessment Coordinator to obtain the current status of dose projections and to establish a means for obtaining Digital Radiation Monitoring System (DRMS) data when needed. ____
5. Inform the Radiological Assessment Coordinator (RAC) when prepared to perform functional responsibilities. Alternate methods may be used, as necessary. ____

SUBSEQUENT ACTIONS

1. Assume control of dose assessment activities when directed by the RPA.
2. Perform dose assessment calculations in accordance with EIP-2-024, Offsite Dose Calculations. Provide the results to the RAC.
3. Keep the RAC informed of changes in wind direction.
4. Verify the operability of the backup CADAP computer, as time permits. Place the LapTop computer battery on charge.
5. Obtain DRMS data from the TSC and provide data to the RAC.
6. As directed, convert offsite monitoring team dosimeter readings to TEDE and provide results to the RAC for evaluation.

ASSISTANT RADIOLOGICAL ASSESSMENT COORDINATOR

SUBSEQUENT ACTIONS (cont'd)

7. If doses $\geq$ 1 rem TEDE or $\geq$ 5 rem CDE thyroid are projected at 10 miles, estimate the projected dose at 15, 20, and 25 miles, as appropriate. Inform the RAC of the distance and downwind areas at which a PAG is estimated to be exceeded.

Estimate radiation doses beyond 10 miles using the following factors:
These ratios may be used regardless of Stability Class, Wind Speed or Time After Shutdown when the Core State = "Fuel Melt".
Radiation Dose at 15 miles = dose at 10 miles x 0.387 Radiation Dose at 20 miles = dose at 10 miles x 0.267 Radiation Dose at 25 miles = dose at 10 miles x 0.226
Ratios are applicable to either TEDE or CDE, although CDE Thyroid will normally be the dominant factor.

DEACTIVATION Date: _____

1. When directed by the RAC, deactivate the AEOF.

2. Ensure that all documentation is forwarded to the Radiation Protection Advisor (RPA).

OFFSITE TEAM COORDINATOR

ACTIVATION Date: _____ Actions Completed Initials

1. Verify the operability of the Offsite Monitoring Team radio, including the radio headset. ____

2. Contact the TSC, obtain Offsite Monitoring Team status, and inform them of when you will assume control of offsite teams. ____

3. Inform the Radiological Assessment Coordinator (RAC) when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Direct offsite monitoring personnel to detect and measure radioactive releases.

2. Provide field data from the Offsite Monitoring Teams to the RAC and Assistant Radiological Assessment Coordinator (ARAC).

3. Relay instructions and information provided by the RAC and ARAC to monitoring personnel.

4. Record the Offsite Monitoring Teams' location and readings on the Offsite Monitoring Team Status Board.

5. Keep the Offsite Monitoring Teams informed of plant conditions, wind direction, classifications, release status, and information received during AEOF briefings.

6. Keep track of Offsite Monitoring Team radiation exposures. If any member reaches 1 R on their dosimeter, notify the RAC immediately.

DEACTIVATION Date: _____

1. When directed by the RAC, deactivate the Alternate EOF (AEOF).

2. Inform the Offsite Monitoring Teams of their duties or to deactivate.

3. Ensure that all documentation is forwarded to the RPA.

EOF HABITABILITY TECHNICIAN

ACTIVATION Date: _____ Actions Completed Initials

1. Perform operational checks on monitoring equipment prior to use. ____

2. Inform the Radiological Assessment Coordinator (RAC) when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Perform surveys of arriving individuals if there is a question as to where they may have been and if they could be contaminated. Report survey results to the Radiation Protection Advisor (RPA).

2. Direct any contaminated individuals to the Zachary Monitoring and Decontamination Station.

3. Assist the dose assessment team as necessary.

4. Keep the RPA informed of all activities.

DEACTIVATION Date: _____

1. When directed by the RPA, deactivate the Alternate EOF (AEOF).

2. Monitor all hallways and entrances to the AEOF.

3. Ensure that all dosimeters and TLDs that were distributed are collected.

4. Ensure that all monitoring instrumentation is returned to the EOF, stored and operable. Report problems to the RPA.

4. Ensure that all documentation is forwarded to the RPA.

COMMUNICATOR

ACTIVATION Date: _____ Actions Completed Initials

1. Check the operability of the following communications equipment:

   a) State and Local Hotline, call the Emergency Operations Center at Louisiana Office of Homeland Security and Emergency Preparedness (LHLS/EP, formerly LOEP) at 361. ____

   b) Civil Defense Radio Console, call LHLS/EP. ____

   c) ESP Computer ____

2. Receive status of notifications from TSC Communicator. ____

3. Inform EOF Manager when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

NOTE

Notifications to State and local authorities must be made within approximately 15 minutes of a declaration of an emergency or Protective Action Recommendation (PAR) change using the Short Notification Message Form (SNMF).

*Do **NOT** use the State/Local Hotline while a Notification Message Form is being transmitted because it will prevent receiving locations from getting a complete message.*

1. Assume responsibility for notifications when directed by the Recovery Manager.

2. Assist the EOF Manager in completing the appropriate Notification Message Form (NMF). Ensure that the Radiation Protection Advisor (RPA) reviews all dose data prior to Recovery Manager (RM) review and approval to transmit. When directed, make notifications of the emergency to State and local authorities.

3. Verify NMF receipt with State and local authorities, using the State and Local Hotline. Complete a new NMF Verification Checklist (page 3) for each message sent.

4. If an agency has not received the message, obtain message receipt verification from the other agencies, and re-transmit the message (ESP Computer) to the non-receiving party.

5. If the message is still not received, read it to the agency (s), line by line. Message may be faxed as necessary.

COMMUNICATOR

SUBSEQUENT ACTIONS (cont'd)

6. If no contact is made with a location on the Hotline, call the location on the commercial telephone to verify receipt of message. If commercial telephones are inoperable, the Civil Defense Radio may be used.

7. When PARs are issued:

   a. During the verification of message receipt on the Hotline, inform LHLS/EP and the Parish Emergency Operations Centers (EOCs) that you will call them back in five minutes for PAR confirmation.

   b. After five minutes, contact LHLS/EP and the five Parish EOCs. Using page 4, verify that the Directors or the Assistant Directors of all Parishes and the Operations Officer at LHLS/EP are on the Hotline.

   c. When verified, request the Recovery Manager and the Louisiana Department of Environmental Quality (LDEQ) Liaison to pick up the Hotline for PAR verification and give the RM the PAR Verification Checklist.

8. Make follow-up notifications to State and local authorities as directed by the Recovery Manager. Verify receipt of each NMF using a new NMF Verification Checklist.

9. Maintain a file of all notification message forms and verification checklists.

10. Ensure that Administrative personnel distribute all Short and Long Notification Message Forms to Alternate EOF (AEOF) staff.

11. Upon termination of the emergency, notify State and local authorities using the Long Notification Message Form.

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the AEOF.

2. Ensure that all messages are cleared and ESP Computer control is returned to the Control Room.

3. Ensure that all documentation is forwarded to the EOF Manager.

COMMUNICATOR

NMF VERIFICATION CHECKLIST

Ensure at least one of the agencies in each of the following rows receives the message.

MESSAGE #_____

FACILITY	PHONE #	Hotline #	MSG. REC'D (Y/N/NA)
La. Department of Environmental Quality (LDEQ) (M-F - 8AM to 4PM only, LHLS/EP will notify all other times)	9-765-0160	371	
La. Office of Homeland Security and Emergency Preparedness (LHLS/EP) (State EOC)	9-925-7500 (24-hr. pt.)	361	
West Feliciana Parish (WFP)	EOC 9-635-4792	351	
	24-HR. PT. 9-635-3241	352	
East Feliciana Parish (EFP)	EOC 9-634-7269	341	
	24-HR. PT. 9-683-5459	342	
Pointe Coupee Parish (PCP)	EOC 9-694-9014	331	
	24-HR. PT. 9-694-3737	332	
East Baton Rouge Parish (EBRP)	EOC 9-389-2100	311	
	24-HR. PT. 9-389-3300	312	
West Baton Rouge Parish (WBRP)	EOC 9-346-1581	321	
	24-HR. PT. 9-343-9234	321	
Mississippi Emergency Management Agency (MEMA)	9-1-800-222-6362 (24 hr. pt.) 9-1-601-352-9100 (alternate)	381	
Mississippi Highway Patrol (MHP)	9-1-601-987-1530 (backup)	382	

Parish EOCs and LHLS/EP Operations Officer informed of 5-minute PAR verification phone call YES NO NA

Message Verified _____ _____
Communicator Signature/KCN Time/Date

COMMUNICATOR

PAR VERIFICATION CHECKLIST

Scenario # Recommended: _____ Date:_____

Communicator verifies that correct individuals are on the Hot Line by placing a check mark on the appropriate line. The RM will verify approved scenario and initial the form.

	RM Initial	On Line
WEST FELICIANA PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
EAST FELICIANA PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
POINTE COUPEE PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
WEST BATON ROUGE PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
EAST BATON ROUGE PARISH:		
Director of Emergency Preparedness		_____
Assistant Director		_____
APPROVED SCENARIO #_____	_____	
STATE OF LOUISIANA		
LHLS/EP Operations Officer		_____
Siren Sounding Time: _____	_____	

OPERATIONS ADVISOR

ACTIVATION Date: _____ Actions Completed Initials

1. Establish contact with the Operations Support Coordinator. ____
2. Obtain current plant status, emergency operations in progress, and key plant parameters. ____
3. Inform the EOF Manager when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Ensure that the Alternate EOF (AEOF) is kept informed of:
   a. Current plant conditions.
   b. Actions being performed or anticipated to mitigate the accident.
   c. Repairs and investigations initiated.
2. Obtain plant ERIS data as possible. Have the TSC fax ERIS data sheets to the AEOF.
3. Ensure status boards are updated with information obtained from ERIS data sheets.
4. Recommend actions on classifications of emergencies, as necessary.
5. Follow EOPs/SAPs and keep the RM informed on status.

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the AEOF.
2. Ensure that all documentation is forwarded to the EOF Manager.

TECHNICAL ADVISOR

ACTIVATION Date: _____ Actions Completed Initials

1. Contact the Reactor Engineer or the Chemistry/Core Damage Assessment Coordinator and obtain information on the status of the reactor core. ____

2. Inform the EOF Manager when prepared to perform functional responsibilities. ____

SUBSEQUENT ACTIONS

1. Periodically communicate with the Reactor Engineer or Chemistry/Core Damage Assessment Coordinator to determine current core conditions.

2. Review proposed plant operations and assess the effect on core conditions.

3. Communicate with the Reactor Engineer or the Chemistry/Core Damage Assessment Coordinator on recommendations for plant operations that would affect core conditions.

4. Make recommendations on engineering actions to the Engineering Support Advisor.

5. Keep RP Advisor, Recovery Manager and EOF Manager informed of significant changes in core state.

6. When Severe Accident Procedures (SAPs) are entered, periodically review parameter trends to determine if RPV breach is imminent or has occurred.

7. When SAPs are entered, periodically review parameter trends for inconsistencies.

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the Alternate EOF (AEOF).

2. Ensure that all documentation is forwarded to the EOF Manager.

STATUS COMMUNICATOR

ACTIVATION Date: _____ Actions Completed Initials

1. Update status boards with current information from the ERIS datasheets. ____

SUBSEQUENT ACTIONS

1. Continually update all status boards with current information from ERIS, Notification Message Forms, or information obtained from the Operations Advisor. Status boards include, but are not limited to:
   a. General information board
   b. Rx Critical parameter chart
   c. Equipment status board
2. Ensure administrative personnel copy information from status boards in facility log.
3. Ensure that the Operations Advisor and EOF Manager periodically verify status board information.

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the Alternate EOF (AEOF).
2. Forward all documentation generated by the Status Communicator to the EOF Manager.

ENGINEERING SUPPORT ADVISOR

ACTIVATION Date: _____ Actions Completed Initials

1. Obtain plant status from the Operations Advisor. ____
2. Ensure that Engineering Support personnel are assembled and prepared to perform functional responsibilities. ____
3. Obtain information on engineering activities underway from the Engineering Coordinator in the TSC. ____

SUBSEQUENT ACTIONS

1. Keep Engineering Support informed of plant activities.
2. Coordinate the activities of the Engineering Support personnel.
3. Periodically communicate with the Engineering Coordinator on plant activities.
4. Assist the Engineering Coordinator as necessary. Relay suggestions on possible repair or corrective actions.
5. Ensure Engineering Support addresses long-term issues and develops recovery actions.
6. Keep the EOF Manager informed of all activities.

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the Alternate EOF (AEOF).
2. Ensure that all documentation is forwarded to the EOF Manager.

ENGINEERING SUPPORT

ACTIVATION Date: _____ Actions Completed Initials

1. Obtain the plant status from the Engineering Support Advisor. ____
2. Inform the Engineering Support Advisor when prepared to perform functional duties. ____

SUBSEQUENT ACTIONS

1. Provide advice on plant repair or corrective actions to the Engineering Support Advisor.
2. Address long-term issues.
3. Develop list of recovery actions.
4. Keep the Engineering Support Advisor informed of all activities.

DEACTIVATION Date: _____

1. When directed by the Engineering Support Advisor, deactivate the Alternate EOF (AEOF).
2. Ensure that all documentation is forwarded to the Engineering Support Advisor.

HPN COMMUNICATOR

ACTIVATION Date: _____ Actions Completed Initials

1. Obtain current radiological conditions from the Radiation Protection Advisor (RPA). ____
2. Contact the ENS Communicator for information on the Health Physics Network (HPN). ____

SUBSEQUENT ACTIONS

1. Establish contact with the NRC Operations Center and request to be placed on the HPN network.
2. Relay health physics, dose assessment, and meteorological information as requested by the NRC.
3. If in doubt about information, check with the RPA and EOF Manager on the accuracy of your information prior to passing it on to the NRC.
4. Keep the RPA informed of NRC interest and your activities.
5. Upon termination of the emergency, notify the NRC.

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the Alternate EOF (AEOF).
2. Secure the HPN network after receiving concurrence from the NRC.
3. Ensure that all documentation is forwarded to the EOF Manager.

ADMINISTRATIVE SUPPORT PERSONNEL

ACTIVATION Date: _____ Actions Completed Initials

1. Test the operability of administrative equipment. ____
2. Obtain all previous Notification Message Forms. Copy and distribute to EOF staff. ____
3. Assist the EOF staff in activating the facility. ____

SUBSEQUENT ACTIONS

1. Continuously retrieve, copy and distribute ERIS data and Notification Message Forms.
2. Update the 10-mile Emergency Planning Zone (EPZ) map with current protective action recommendations.
3. Provide clerical support as directed by the Administrative/Logistics Advisor.

DEACTIVATION Date: _____

1. When directed by the Administrative/Logistics Advisor, deactivate the Alternate EOF (AEOF).
2. Ensure that all materials and equipment are stored in the appropriate location and condition. Ensure that materials and documents brought to the AEOF are returned to the EOF.
3. Ensure that all documentation is forwarded to the EOF Manager.

TELECOMMUNICATIONS SPECIALIST

ACTIVATION	Date: _____	Actions Completed Initials
1.	Assist communicators, as necessary.	____
2.	Perform any corrective actions required to establish all communications circuits.	____

SUBSEQUENT ACTIONS

1. Take corrective action on any communication system that is not operable.
2. Obtain additional assistance through the Administrative/Logistics Advisor, as necessary.

DEACTIVATION

Date: _____

1. When directed by the EOF Manager, deactivate the Alternate EOF (AEOF).
2. Assist in storing communications equipment in cabinets.
3. Ensure that all documentation is forwarded to the EOF Manager.

EOF REGISTRATION

ACTIVATION Date: _____ Actions Completed Initials

1. Setup an entry station in the Alternate EOF (AEOF) main entrance door. ____

2. Ensure AEOF access list is available. ____

SUBSEQUENT ACTIONS

NOTE

Anyone not on the access list must be approved by the Recovery Manager (RM) or EOF Manager for entry into the AEOF. NRC personnel should present their credentials as authorization to enter the AEOF.

1. When the individual comes through door, ensure that the individual is on the AEOF access list.

2. If access is through the Zachary Monitoring and Decontamination Station, ensure that individuals have "Alternate EOF Access Tags".

3. Keep the EOF Manager informed of any problems or abnormal occurrences.

DEACTIVATION Date: _____

1. When directed by the EOF Manager, deactivate the AEOF.

2. Ensure that all documentation is forwarded to the EOF Manager.

PROTECTIVE ACTION RECOMMENDATIONS

PAR FLOW CHART

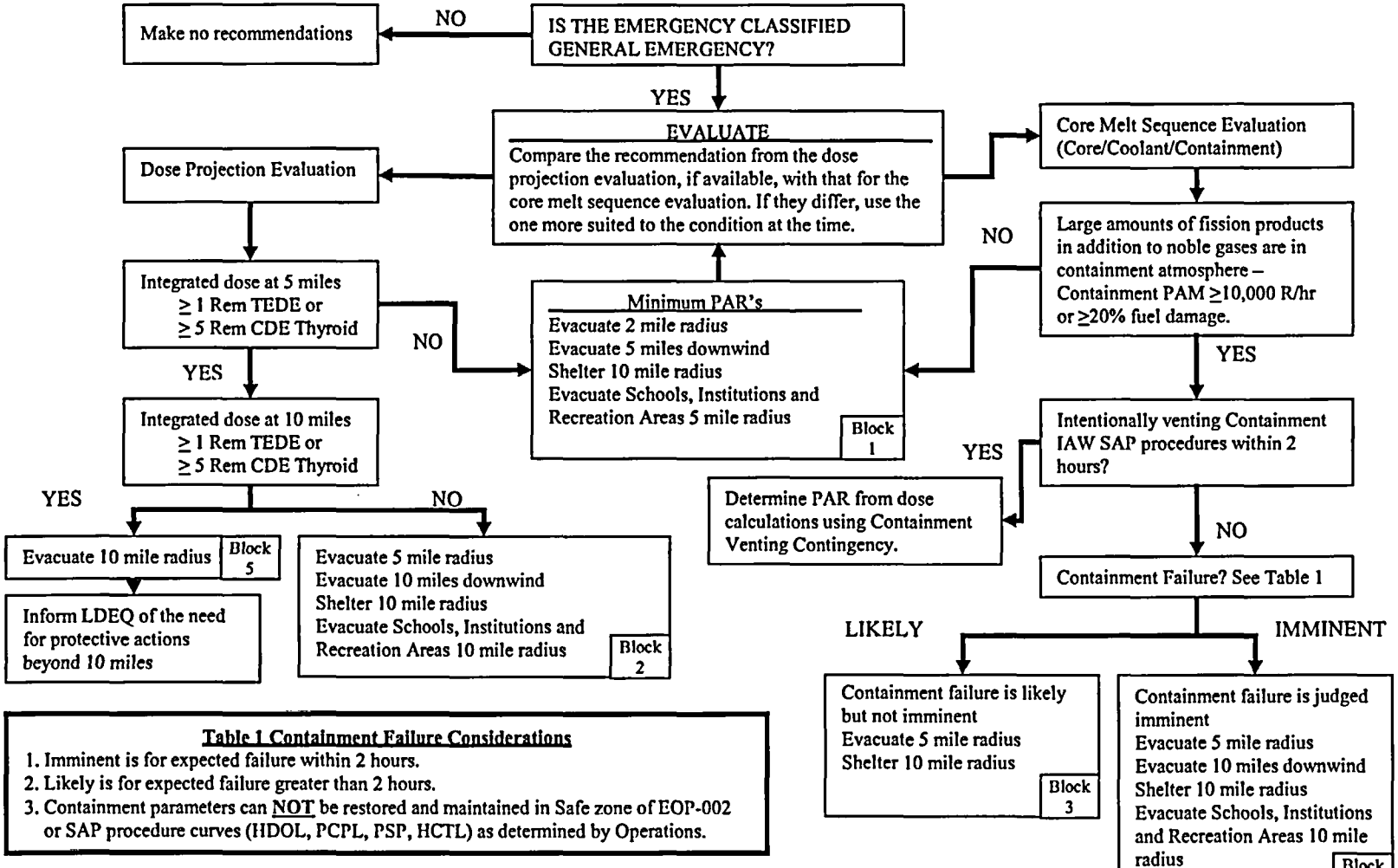


Table 1 Containment Failure Considerations

1. Imminent is for expected failure within 2 hours.
2. Likely is for expected failure greater than 2 hours.
3. Containment parameters can NOT be restored and maintained in Safe zone of EOP-002 or SAP procedure curves (HDOL, PCPL, PSP, HCTL) as determined by Operations.

PROTECTIVE ACTION RECOMMENDATIONS

BLOCK 1

PROTECTIVE ACTION FLOWCHART
EVACUATE 2 MILE RADIUS AND EVACUATE 5 MILES DOWNWIND AND SHELTER THE 10 MILE RADIUS AND EVACUATE SCHOOLS, INSTITUTIONS, RECREATION AREAS 5 MILE RADIUS.

Locate the wind direction to find the appropriate scenario number to use.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
168.76-191.25	1	A	R & B
191.26-213.75	1	B	A & C
213.76-236.25	2	C	B & D
236.26-258.75	3	D	C & E
258.76-281.25	4	E	D & F
281.26-303.75	4	F	E & G
303.76-326.25	5	G	F & H
326.26-348.75	5	H	G & J
348.76-11.25	6	J	H & K
11.26-33.75	7	K	J & L
33.76-56.25	8	L	K & M
56.26-78.75	8	M	L & N
78.76-101.25	9	N	M & P
101.26-123.75	10	P	N & Q
123.76-146.25	10	Q	P & R
146.26-168.75	11	R	Q & A

BLOCK 3

PROTECTIVE ACTION FLOWCHART
EVACUATE 5 MILE RADIUS AND SHELTER THE 10 MILE RADIUS.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTORS
ANY	12	ALL	ALL

PROTECTIVE ACTION RECOMMENDATIONS

BLOCK 2 OR 4

PROTECTIVE ACTION FLOWCHART
EVACUATE 5 MILE RADIUS AND EVACUATE 10 MILES DOWNWIND AND SHELTER THE 10 MILE RADIUS AND EVACUATE SCHOOLS, INSTITUTIONS, RECREATION AREAS 10 MILE RADIUS.

Locate the wind direction to find the appropriate scenario number to use.

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
168.76-191.25	13	A	R & B
191.26-213.75	14	B	A & C
213.76-236.25	15	C	B & D
236.26-258.75	15	D	C & E
258.76-281.25	16	E	D & F
281.26-303.75	17	F	E & G
303.76-326.25	18	G	F & H
326.26-348.75	19	H	G & J
348.76-11.25	20	J	H & K
11.26-33.75	21	K	J & L
33.76-56.25	22	L	K & M
56.26-78.75	23	M	L & N
78.76-101.25	24	N	M & P
101.26-123.75	25	P	N & Q
123.76-148.25	25	Q	P & R
148.26-168.75	26	R	Q & A

BLOCK 5

PROTECTIVE ACTION FLOWCHART
EVACUATE 10 MILE RADIUS

DEGREES FROM	SCENARIO NUMBER	CENTERLINE SECTOR	SIDE SECTOR
ANY	27	ALL	ALL

LOG FORM

(Typical)

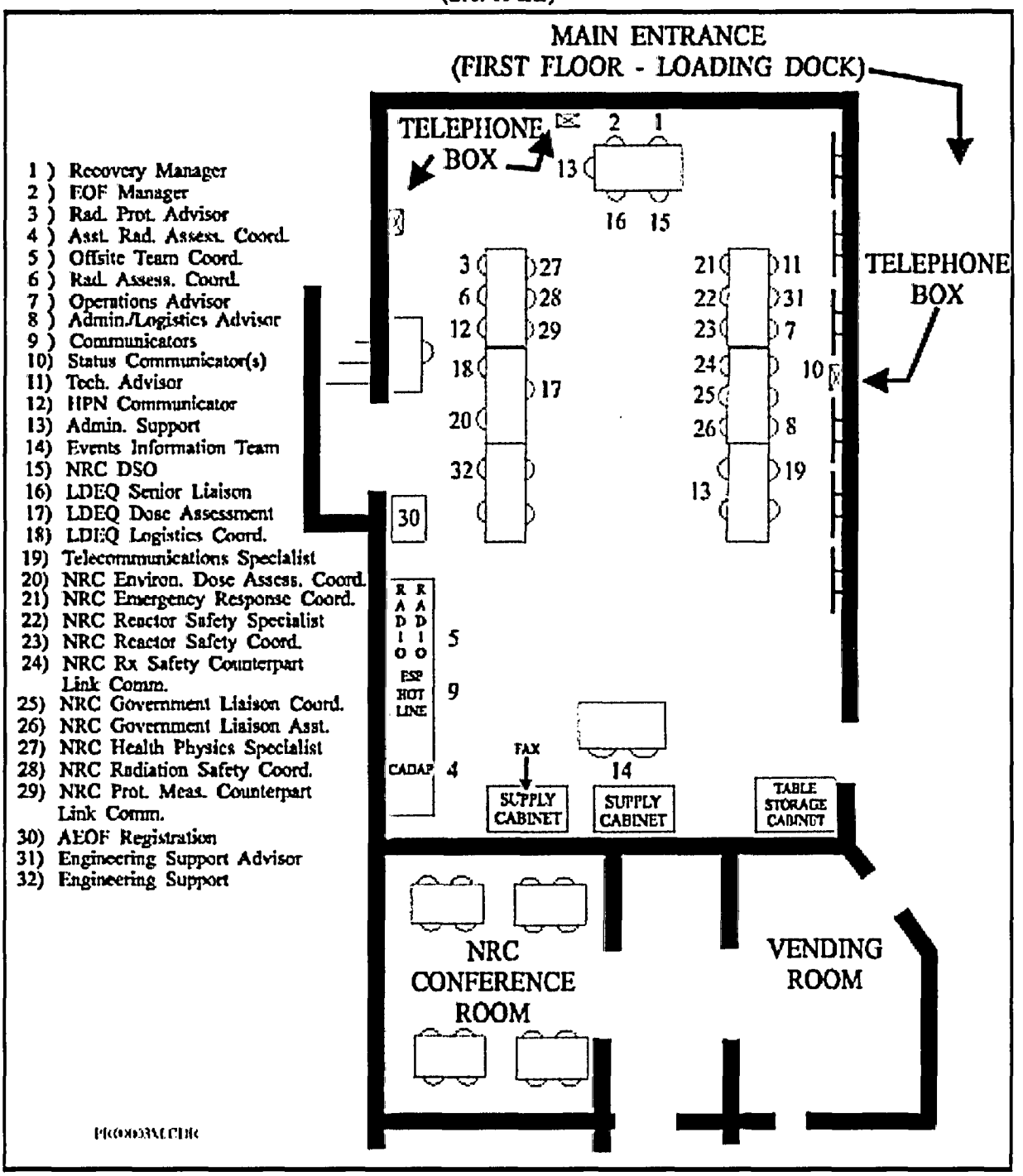
Name _____ Date _____

Position _____ Page ___ of ___

TIME	ACTIVITY
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

ALT. EMERGENCY OPERATIONS FACILITY FLOOR PLAN

(SAMPLE)



Pointe Coupee Parish

TRAINING	DATE SCHEDULED	DATE COMPLETED	TOTAL ATTENDANCE
Bus driver			
Dispatcher			
EOC			
Monitoring/Decontamination			
Special Facilities			
TOTAL			

Miscellaneous Training

TRAINING	DATE SCHEDULED	DATE COMPLETED	TOTAL ATTENDANCE
Classification/EAL Review			
Media Day Training			
EAS Radio Stations			
RACES			
Parish/State Spokesperson			
TOTAL			