WATERFORD 3 SES
PLANT OPERATING MANUAL

LOUISIANA POWER & LIGHT
MIDDLE SOUTH UTILITIES SYSTEM

POM VOLUME 18
POM SECTION 2

EP-2-020
REVISION 7

Emergency Plan Implementing Procedure

Contaminated Injured/Ill Personnel

PORC Meeting No. 84-141

Reviewed: _____
PORC Chairman

Approved: _____ 2/18/85 (memory 2/6/85)
Plant Manager-Nuclear Approval Date

_____
Effective Date

REVIEW COVER SHEET

REVIEW OF: EP-2-020 - Contaminated Injured/Ill Personnel (Rev. 7)

PORC REVIEW

The PORC has reviewed this item and determined that a safety evaluation was performed (as applicable), that an unreviewed safety question does not exist (as applicable), that a change to the Technical Specifications is not required, and that nuclear safety is/was not adversely affected.

ORDER OF REVIEW	PORC MEMBER	PORC MEMBER SIGNATURE	RECOMMENDED FOR APPROVAL YES	RECOMMENDED FOR APPROVAL NO	DATE
	Maintenance Superintendent				
	Operations Superintendent	[signature]	✓		12/31/84
	Radiation Protection Superintendent	[signature]	—		12/31/84
	Plant Quality Manager	[signature]	✓		12/31/84
	Technical Support Superintendent	[signature]	✓		12/31/84
	Assistant Plant Manager				
	PORC Chairman	[signature]	—		12/31/84

PORC Meeting No. 84-141 Item No. 20 Date: 12-27-84

This item is recommended for approval? ☒ YES ☐ NO

This item requires SRC/NRC review prior to implementation? ☐ YES ☒ NO

If yes, ensure documentation supporting review is attached.

This item requires QA review prior to implementation? ☐ YES ☒ NO

QA REVIEW

Reviewed by N/A DATE N/A
Corporate QA Manager

PLANT MANAGER-NUCLEAR APPROVAL (REFER TO S.4.12.1)

Comments:

Approved by N/A DATE N/A
Plant Manger-Nuclear

WATERFORD 3 SES

PLANT OPERATING MANUAL — Check Block Below

CHANGE/REVISION/DELETION REQUEST |X|POM |_|PORC-S/C

Procedure No. EP-2-020 Title Contaminated Injured/Ill Personnel

Effective Date Fuel Load (if different from approval date)

Complete A, B, and C

A. Change No. N/A |_|Permanent |_|Deviation Expiration Date _____

B. Revision No. 7

C. Deletion |_|YES |_|NO

DESCRIPTION OF CHANGE OR REVISION

Deleted 7.1 7.2 and 7.3 and replace them with a single attachment that interfaces with Rev. 1 of UNT-7-018

REASON FOR CHANGE, REVISION, OR DELETION

Incorporate Changes

REQUIRED SIGNATURES

ORIGINATOR Steve L. Cope DATE 10/2/84

SAFETY REVIEW

Does this change, revision, or deletion:

1. Change the facility as described in the FSAR? YES ____ NO X
2. Change the procedures as described in the FSAR? YES ____ NO X
3. Conduct tests/experiments not described in the FSAR? YES ____ NO X
4. Require a change to the Technical Specifications? YES ____ NO X

If the answer to any of the above is yes, complete and attach a 10CFR50.59 Safety Evaluation.

SAFETY REVIEW Steve L. Cope DATE 10/2/84

TECHNICAL REVIEW Robert P. Crawley DATE 10/29/84

GROUP HEAD REVIEW [illegible] DATE 11/7/84

TEMPORARY APPROVAL* (SRO) _____ DATE _____

TEMPORARY APPROVAL* _____ DATE _____

*Temporary approval must be followed by Plant Manager/APM-N - Nuclear approval within 14 days.

TABLE OF CONTENTS

LIST OF EFFECTIVE PAGES

Title	Revision 7
1-13	Revision 7

1.0 PURPOSE

The purpose of this procedure is to provide guidance to the Emergency Coordinator in the event that contaminated injured/ill personnel must be transported off-site.

2.0 REFERENCES

2.1 Waterford 3 SES Emergency Plan

2.2 Emergency Medical Assistance Program (EMAP)

2.3 NUREG 0654/FEMA-REP-1

2.4 Emergency Management Resources Book

2.5 UNT-7-013, First Aid and Medical Care

2.6 EP-3-040, Emergency Equipment Inventory

3.0 RESPONSIBILITIES

The Emergency Coordinator is responsible for ensuring that the actions as outlined in this procedure are carried out.

4.0 INITIATING CONDITIONS

Injured/ill personnel are contaminated and must be transported off-site.

5.0 PROCEDURE

NOTE

1. Personnel injured/ill within a Radiation Controlled Area (RCA) shall be considered contaminated until determined to be free of contamination by Health Physics personnel.
2. Serious injuries requiring medical treatment shall take precedence over decontamination of injured/ill personnel.

NOTE

The Emergency Coordinator shall give the Emergency First Aid Team (EFAT) immediate access to the victim.

5.1 IMMEDIATE ACTIONS AND NOTIFICATIONS

Upon the determination that contaminated injured/ill personnel must be transported off-site, the Emergency Coordinator shall:

5.1.1 Ensure that the Emergency First Aid Team (EFAT) treats victim (s) in accordance with Reference 2.5, UNT-7-018.

NOTE

Provide an individual at the accident location to assist with communications between the EFAT and the Emergency Coordinator in accordance with Reference 2.5, UNT-7-018.

5.1.2 Coordinate the activation of the EFAT with Operational Support Center (OSC) Supervisor when the OSC is manned.

5.1.3 Ensure that Health Physics personnel perform duties in accordance with Attachment 7.2, Health Physics Responsibilities On-Site.

5.1.4 Direct the Emergency Communicator(s) to notify the appropriate ambulance service(s) in accordance with Attachment 7.1, Part D.

NOTE

The notifications and communications to ambulance services, hospitals, Waterford 3 Security, etc. may be made by the EOF or TSC communicators (if activated). Ensure the communicators making the calls are provided with all necessary information (contamination levels, radiation levels, extent of injuries, first aid administered, etc.). The Emergency Coordinator shall direct where these communiciations are to be made from if more than one facility is activated. Normally made from the TSC.

NOTE

1. St. Charles Ambulance Service is the primary transportation service for Waterford 3. However, West Jefferson Air-Care Ambulance may be selected based on St. Charles ambulance availability and degree of injury.
2. If the West Jefferson Air-Care Ambulance is used, the Security pickup truck will be used for primary transportation from the site of injury to the Helicopter Landing area. Notify Security in accordance with Attachment 7.1, Part E. If the Security vehicle is not available, any other available pickup truck or station wagon should be used.

5.1.5 Direct the Emergency Communicator(s) to notify Ochsner Foundation Hospital or West Jefferson General Hospital in accordance with Attachmnent 7.1., Part F.

5.1.6 Direct the Emergency Communicator(s) to notify the Waterford 3 Security Shift Supervisor in accordance with Attachment 7.1.,Part E.

5.1.7 Request and coordinate additional support, as required (e.g. search and rescue, emergency repair, etc.).

5.1.8 Make contact with the Health Physics Coordinator or his designee and inform him/her of the event to ensure proper Health Physics staffing. Refer to the Emergency Management Resources Book.

5.2 FOLLOW-UP ACTIONS AND COMMUNICATIONS

Upon the completion of the immediate actions and notifications of this procedure (section 5.1), the Emergency Coordinator shall:

5.2.1 Direct that Health Physics and Emergency First Aid Team personnel move the victim(s) to a rendezvous point (if required) where the ambulance personnel can place victim(s) in the ambulance(s).

CAUTION
In the event that severe injuries (e.g., back injuries, severe bleeding) prevent the moving of victim(s), await assistance from qualified ambulance personnel.

5.2.1.1 Step 5.2.1 should be performed in accordance with Attachment 7.2, Health Physics Responsibilities On-site.

5.2.2 Direct the Emergency Communicator(s) to notify the Security Shift Supervisor and inform him of the ambulance rendezvous point (e.g., east side of RAB, Fuel Handling Building doorway, etc.) or location of victim to which Security will escort the ambulance personnel.

5.2.3 Direct that Health Physics personnel escort victim(s) to Support Hospital(s).

5.2.4 Direct that Health Physics personnel provide assistance at the Support Hospital(s) in accordance with Attachment 7.3, Health Physics Responsibilities at Support Hospital.

5.2.5 Direct the Health Physics personnel to control potentially contaminated areas, equipment, and personnel involved with on-site response (e.g., personnel handling victim(s), area through which victim was moved, etc.) in accordance with Attachment 7.2, Health Physics Responsibilities On-site.

NOTE
Communications with ambulance can be maintained through the receiving hospital.

5.2.6 Direct the Emergency Communicator(s) to notify the Support Hospital(s) of any changes the support Hospital(s) may not be aware of (e.g., changes in estimated time of arrival, condition of victim(s), number of victims, etc.).

6.0 FINAL CONDITIONS

6.1. Victim(s) are admitted to Support Hospital(s) and are under professional medical supervision.

6.2 Health Physics personnel at Support Hospital(s) control all potentially contaminated personnel, areas, and equipment in accordance with Attachment 7.3, Health Physics Responsibilities at Support Hospital.

6.3 Designated supervisors advised of the contaminated person's status as per Part G of Attachment 7.1.

6.4 Documentation completed and deficiencies noted in accordance with Part H of Attachment 7.1.

7.0 ATTACHMENTS

7.1 Request for Offsite Assistance

7.2 Health Physics Responsibilities On-site

7.3 Health Physics Responsibilities at Support Hospital

PART D - REQUEST FOR AMBULANCE

NOTE

READ THIS PAGE prior to placing the telephone call and complete blank areas where you provide inforamation to the ambulance service, as indicated by ".....".

1.) Contact one of the following ambulance services (circle the selected service).

Primary: St. Charles Ambulance Service, Use the INDUSTRIAL HOTLINE via the St. Charles Sheriff's Dispatcher (as a backup the OPERATIONAL HOTLINE)

Backup: West Jefferson Air-Ambulance - 1-800-382-4006

2) When they answer provide the following information.

MY NAME IS _____ (state your name) _____,
I AM THE _____ (state your position) _____,
AT THE WATERFORD 3 STEAM ELECTRIC STATION IN TAFT. WE NEED AMBULANCE TRANSPORTATION FOR A CONTAMINATED INJURED PERSON FROM THE WATERFORD 3 SITE. I REPEAT A CONTAMINATED INJURED PERSON.

3.) Then discuss the following information:

- Number of patients:.....
- Type of injuries:.....

  .....
- Type of contamination (circle):..SKIN..CLOTHING..INTERNAL..
- Gate the ambulance should respond to:.....
- Provide call-back phone number: (504) 464 - .....
- Special considerations:.....

  .....
- RECORD dispatchers name: _____
- RECORD estimated time of arrival (ETA): _____

4.) Information communicated by: _____
(sign your name)

Time Contact Made: ____:____

PART E - SECURITY

NOTE

READ THIS PAGE prior to placing the telephone call and complete blank areas where you provide information to the security department, as indicated by ".....".

Contact the Security Shift Supervisor (SSS) and advise him of the following:

1.) - Location of the medical emergency:.....

.....

.....

2.) - Status of the medical emergency:.....

.....

.....

3.) - Name(s) and badge number(s) of the victim(s) (if available):.....

.....

.....

4.) - Method of transportation (Circle the selected ambulance):

A. St. Charles Ambulance Service

- Gate the ambulance will be arriving at: .....

B. West Jefferson Air Ambulance

- Company Vehicle to be used to transport the individual to the landing site:.....

C. ETA of the ambulance: .....

5.) - Other support requested from the Security Department:.....

.....

.....

6.) - RECORD Security Officer's Name: _____

INITIAL_____, TIME CONTACT MADE_____:_____

PART F - NOTIFICATION OF THE RECEIVING HOSPITAL

NOTE

READ THIS PAGE prior to placing the telephone call and complete blank areas where you provide information to the hospital, as indicated by ".....".

1.) Hospitals (Circle selected hospital):

** Ochsner Foundation Hospital(Emergency Room) 838-3640
** West Jefferson General Hospital 1-800-382-4006

2.) When they answer provide the following information.

MY NAME IS _____(state your name)_____,
I AM THE _____(state your position)_____,
AT THE WATERFORD 3 STEAM ELECTRIC STATION IN TAFT.
WE HAVE REQUESTED THAT _____(state ambulance name)_____ TRANSPORT TO YOU A CONTAMINATED INJURED PERSON FROM THE WATERFORD 3 SITE.
I REPEAT A CONTAMINATED INJURED PERSON.

3.) Then discuss the following information:

NOTE

Vital signs may be available in PART C of Attachment 6.2 of UNT-7-013, First Aid Medical Care.

- Number of patients: .....
- Type of injuries: .....
.....
- Level of contamination (circle units): .....cpm mrem
- Type of contamination (circle) SKIN CLOTHING INTERNAL
- Provide call-back phone number: (504) - 464-.....
- Special considerations: .....
.....
- Name of ambulance service: .....
- Inform the hospital that a Health Physics Technician will accompany the patient in the ambulance.
- RECORD dispatchers name: _____
- RECORD estimated time of arrival (ETA): _____

4.) Information communicated by: _____
(sign your name

Time Contact Made: ____:____ Date: ____/____/____

PART G - ADMINISTRATIVE NOTIFICATIONS

ADVISE THE FOLLOWING INDIVIDUALS/ORGANIZATION OF THE SITUATION

	Initials	Time
- Emergency Coordinator	_____	__:__
- EOF Director	_____	__:__
- Off-Site Technical Advisor	_____	__:__

PART H - ADMINISTRATIVE

OSC Supervisor should review and ensure completness of this Attachment. Record any material, equipment, training or personnel deficiencies:

_____

_____

_____

_____

_____

_____

OSC Supervisor: _____

Collect and forward the following documentation to the W3SES Safety Coordinator:

A. Parts A-C of Attachment 6.2 of UNT-7-018

B. Parts D-H of Attachment 7.1 of EP-2-020

C. EMS Ambulance Run Report (Attachment 6.1 of UNT-7-018)

HEALTH PHYSICS RESPONSIBILITIES ON-SITE

1. Notify the Emergency Coordiantor of radiological conditions associated with the victim, including:
   a. Approximate contamination levels on victim and nature of contamination (i.e., skin, clothing, internal uptake).
   b. If overexposure has occurred or is possible due to the victim's location.
   c. If ambulance personnel are required to be issued TLD's and protective clothing prior to gaining access to the victim (Emergency First Aid Team will determine mobility of victim).

2. If victim's injury does not permit decontamination prior to transport off-site, consider:
   a. Covering stretcher with plastic sheets to contain contamination.
   b. Removing protective clothing from victim.
   c. Setting up a system for transporting the victim to an ambulance. System should minimize the spread of contamination (i.e., provide a "clean" access path for ambulance personnel): move victim to a controlled area outside the RCA where the ambulance may access.
   d) Spreading plastic sheets in ambulance.
   e) Having protective clothing and dosimetry available for ambulance personnel upon arrival on-site (perferably at the security access point to be issued by the security escort).

3. When time allows, complete the Skin Contamination Record.

4. Ensure that ambulance personnel have been issued TLD's by security upon arrival, if determined to be necesssary under part 1c above.

5. Ensure that the Health Physics technician escorting the victim to the hospital is not contaminated. Control at the hospital will be extremely difficult if the Health Physics technician is restricted due to his/her own contamination.

HEALTH PHYSICS RESPONSIBILITIES AT SUPPORT HOSPITAL

While at the support hospital, it is important to remember the following:

1. Hospital personnel are trained and may support you in regard to control of the ambulance, access ways, and monitoring personnel for contamination.
2. Only authorized LP&L representatives may discuss the situation with the news media.
3. Keep the Emergency Coordinator informed of the situation at the hospital.
4. Provide information to the Emergency Room physician as required.

Take the following measures upon arrival at the support hospital:

1. Instruct the ambulance driver to close the ambulance after the victim has been removed. Restrict access to the ambulance until the driver and vehicle are surveyed for contamination.
2. Visually survey the access to the emergency facility if no provisions have been taken to control contamination and restrict access, then request that hospital personnel be assigned to physically restrict access until the area is set up.
3. Set up a frisker at the exit/access point and personally monitor personnel or request hospital staff to monitor under your guidance.
4. Check hospital staff for proper dosimetry and protective clothing.

Close out the incident as follows:

1. Ensure that all involved personnel have been monitored and decontaminated (document names of monitored personnel).
2. Collect all dosimetry devices, noting the name and social security number of the individuals.
3. Monitor all affected areas, decontaminate as necesssary, and package contaminated waste (all final surveys must be documented).
4. Return contaminated waste to Waterford 3.
5. Notify the Emergency Coordinator of the final status of hospital/ambulance personnel:
   _____ Personnel Exposures.
   _____ Personnel Contamination and Current Status.
   _____ Equipment Contamination and Current Status.
   _____ Material being returned to Waterford 3 for decontamination or disposal.

WATERFORD 3 SES
PLANT OPERATING MANUAL

LOUISIANA POWER & LIGHT
MIDDLE SOUTH UTILITIES SYSTEM

POM VOLUME 18
POM SECTION 2

EP-2-052
REVISION 4

Emergency Plan Implementing Procedure

Protective Action Guidelines

PORC Meeting No. 84-98

Reviewed: _____
PORC Chairman

Approved: _____ 10/1/84
Plant Manager-Nuclear — Approval Date

Fuel Load
Effective Date

REVIEW COVER SHEET

REVIEW OF: EP-2-052 - Protective Action Procedure (Rev. 4)

PORC REVIEW

The PORC has reviewed this item and determined that a safety evaluation was performed (if applicable), that an unreviewed safety question does not exist (as applicable), that a change to the Technical Specifications is not required, and that nuclear safety is/was not adversely affected.

ORDER OF REVIEW	PORC MEMBER	PORC MEMBER SIGNATURE	RECOMMENDED FOR APPROVAL YES	RECOMMENDED FOR APPROVAL NO	DATE
	Maintenance Superintendent		✓		9/27/84
	Operations Superintendent		✓		9/27/84
	Radiation Protection Superintendent		✓		9/27/84
	Plant Quality Manager		✓		9-27-84
	Technical Support Superintendent				
	Assistant Plant Manager				
	PORC Chairman		✓		9/27/84

PORC Meeting No. 84-98 Item No. 27 Date: 9-27-84

This item is recommended for approval? ☒ YES ☐ NO

This item requires SRC/NRC review prior to implementation? ☐ YES ☒ NO

If yes, ensure documentation supporting review is attached.

This item requires QA review prior to implementation? ☐ YES ☒ NO

QA REVIEW

Reviewed by N/A DATE N/A
Corporate QA Manager

PLANT MANAGER-NUCLEAR APPROVAL (REFER TO 5.4.12.1)

Chg #2
9-13-84

Comments:

Approved by N/A DATE N/A
Plant Manger-Nuclear

WATERFORD 3 SES
PLANT OPERATING MANUAL
CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-052 Title Protective Action Procedure

Effective Date Fuel Load (if different from approval date)

Complete A, B, and C

A. Change No. N/A |_|Permanent |_|Deviation Expiration Date N/A

B. Revision No. 4

C. Deletion |_|YES |X|NO

DESCRIPTION OF CHANGE OR REVISION

Change "may" to "shall" in S16.0 3.2.1 to assist Emergency Plan Emergency Director. Note following 5.7 "CNED" changed to "State". Several clarifying words added and typo corrected.

REASON FOR CHANGE, REVISION, OR DELETION

To incorporate annual ~~draft~~ updates

REQUIRED SIGNATURES

ORIGINATOR [signature] DATE 9/13/84

SAFETY REVIEW

Does this change, revision, or deletion:

1. Change the facility as described in the FSAR? YES____ NO X
2. Change the procedures as described in the FSAR? YES____ NO X
3. Conduct tests/experiments not described in the FSAR? YES____ NO X
4. Require a change to the Technical Specifications? YES____ NO X

If the answer to any of the above is yes, complete and attach a 10CFR50.59 Safety Evaluation.

SAFETY REVIEW [signature] DATE 9/13/84

TECHNICAL REVIEW [signature] DATE 9-13-84

GROUP HEAD REVIEW [signature] DATE 9-13-84

TEMPORARY APPROVAL* (SRO) _____ DATE _____

TEMPORARY APPROVAL* _____ DATE _____

*Temporary approval must be followed by Plant Manager - Nuclear approval within 14 days.

TABLE OF CONTENTS

LIST OF EFFECTIVE PAGES

Title	Revision 4
1-17	Revision 4
18	Revision 2
19-22	Revision 3

NS40519

1.0 PURPOSE

To provide guidance for protective action decision-making with respect to the EPA Protective Action Guidelines (PAG's) and those severe conditions where potential hazards exist but dose projections are not required.

2.0 REFERENCES

2.1 Waterford 3 SES Emergency Plan
2.2 Waterford 3 SES Evacuation Time Study
2.3 EPA-520, Manual of Protective Action Guides
2.4 EP-1-001, Recognition and Classification of Emergency Conditions
2.5 EP-2-010, Notifications and Communications
2.6 EP-2-050, Offsite Dose Assessment (Manual)
2.7 EP-2-051, Offsite Dose Assessment (Computerized)
2.8 NUREG-0654 Appendix 1 - Example Initiating Conditions - General Emergency

3.0 RESPONSIBILITIES

3.1 The Emergency Coordinator or EOF Director (upon activation of the EOF) is responsible for making protective action recommendations to off-site agencies. This responsibility shall not be delegated.
3.2 The Emergency Coordinator or designee is responsible for the implementation of this procedure.
3.2.1 Upon activation of the Emergency Operations Facility (EOF), this responsibility shall be transferred to the EOF Director or his designee.

4.0 INITIATING CONDITIONS

This procedure shall be initiated upon reaching any of the following conditions:

4.1 An emergency condition requiring dose asessment/projections has been declared at Waterford 3 SES.

4.2 An emergency condition which has the potential of breaching any one of the three fission product barriers and challenging the two remaining barriers has been declared at Waterford 3 SES.

4.3 As instructed by other implementing procedures, especially EP-1-001, Recognition and Classification of Emergency Conditions.

4.4 At the direction of the Emergency Coordinator (or EOF Director).

5.0 PROCEDURE

This procedure relates directly to TABS A through H of EP-1-001, Recognition and Classification of Emergency Conditions. The appropriate protective action guidelines for each class of emergency are referenced in the corresponding Tabs of this procedure.

TAB A deals with releases of radioactivity known to be occurring.

TABS B through H deal with situations wherein releases of radioactivity are not occurring, but where there is a potential for such a release due to the nature of the emergency.

NOTE

For any situation where there is a potential for the uncontrolled release of radioactive material, calculations should be done in accordance with EP-2-051 or EP-2-050 based on the radioactive material available for release. These calculations provide early consideration for protective actions based on a presumed radiological release using TAB A.

5.1 TAB A - UNCONTROLLED RELEASE OF RADIOACTIVITY

NOTE

This portion of the procedure provides the instructions for using the Protective Action Guidelines Worksheet, Attachment 7.1, to determine the need for off-site protective actions with respect to dose projections.

5.1.1 Ensure that off-site dose calculations are performed in accordance with EP-2-051 or EP-2-050. Obtain the whole body and child thyroid dose rates for the locations of interest from the Health Physics Coordinator (for the Emergency Coordinator), the Radiological Assessment Coordinator (for the Emergency Operations Facility Director), or on-shift personnel performing calculations if the TSC and EOF are not satisfied.

5.1.2 If the duration of the release is known, perform section 5.1.2. If the duration is unknown, proceed to section 5.1.3 and do not perform section 5.1.2.

5.1.2.1 Calculate the projected whole body and child thyroid doses by multiplying the dose rates by the release duration.

5.1.2.2 If the calculated dose is less than 1 rem whole body or less than 5 rems child thyroid, no protective actions are necessary at this time. Continue updating dose projections for protective actions determination.

5.1.2.3 If the calculated dose is greater than 1 rem whole body or greater than 5 rem child thyroid, but less than 5 rem whole body and less 25 rem child thyroid, recommend sheltering and access control to the affected areas as protective sections.

NOTE

Affected sectors are first identified as the plume centerline sector and the two adjacent sectors. Then, the affected area will be identified by relating the sectors to areas using Attachments 7.2 and 7.4. If a major portion of the plume lies in any given protective response area, protective action recommendations are given for that entire area.

5.1.2.4 If the projected dose is greater than 5 rems whole body or 25 rems child thyroid, determine the protective actions based on the duration of the release.

A. If the release duration is greater than two (2) hours, recommend evacuation and access control of the affected areas as protective actions.

B. If the release duration is less than two (2) hours, determine Plume Travel Time (PTT) and Estimated Evacuation Time (EET).

NOTE

Determine the Estimated Evacuation Time by comparing the affected sectors with the protective response areas as shown in Attachment 7.2 and correlating these protective response areas with Attachment 7.3, Estimated Evacuation Time Table. In estimating evacuation times, local constraints such as severe weather, road conditions, etc. should be taken into consideration. Determine the Plume Travel Time by dividing the distance from the plant to the affected area(s) (or approximate distance to population of interest) by the wind speed.

C. If the Plume Travel Time is less than Estimated Evacuation Time, recommend sheltering and access control to the affected areas as protective actions.

D. If the Plume Travel Time is greater than the Estimated Evacuation Time, recommend evacuation and access control to the affected areas as protective actions.

5.1.3 Duration of Release is Unknown

NOTE

Affected sectors are first identified as the plume centerline sector and the two adjacent sectors. Then, the affected area will be identified by relating the sectors to areas using Attachments 7.2 and 7.4. If a major portion of the plume lies in any given protective response area, protective action recommendations are to be given for the entire area.

5.1.3.1 If the whole body dose rate is less than 250 mrem/hr and the child thyroid dose rate is less than 1250 mrem/hr, no immediate protective actions are needed.

5.1.3.2 If the whole body dose rate is greater than 250 mrem/hr but less than 1250 mrem/hr, or if the child thyroid dose rate is greater than 1250 mrem/hr but less than 6250 mrem/hr, recommend sheltering and access control to the affected protective response areas.

5.1.3.3 If the whole body dose rate is greater than 1250 mrem/hr or if the child thyroid dose rate is greater than 6250 mrem/hr, recommend evacuation and access control to the affected protective response areas.

5.2 TAB B - LOSS OF RCS INVENTORY

5.2.1 Under the ALERT classification, there is a potential for uncontrolled release of radioactive materials. Calculations of potential off-site doses should be made using the procedure referenced in TAB A.

5.2.2 Under the SITE AREA EMERGENCY classification, Condition 1, refer to decision-making flow chart, Attachment 7.5. Note that the flow chart pertains to general emergencies. However, this situation is serious enough so that consideration should be given to the protective actions specified in the flow chart.

5.2.2.1 Under the SITE AREA EMERGENCY classification, Conditions 2 or 3, use the procedure referenced in 5.2.1 above.

5.2.3 GENERAL EMERGENCY. Refer to Attachment 7.5. Note 2-mile and 5-mile sheltering requirements. For core melt sequences where significant releases from containment are not yet taking place and large amounts of fission products are not yet in the containment atmosphere, consider 2-mile precautionary evacuation. Consider 5-mile downwind evacuation (45- to 90-degree sector) if large amounts of fission products (greater than gap activity) are in the containment atmosphere. Recommend sheltering in other parts of the plume exposure Emergency Planning Zone under this circumstance.

5.2.3.1 For core melt sequences where significant releases from containment are not yet taking place, where containment failure leading to a direct atmosphere release is likely in the sequency but not imminent, and where large amounts of fission products in addition to noble gases are in the containment atmosphere, consider precautionary evacuation to the 5-mile radius and 10-mile downwind evacuation (45- to 90- sector).

5.2.3.2 For core melt sequences where large amounts of fission products other than noble gases are in the containment atmosphere and

containment failure is judged imminent, recommend shelter for those areas where evacuation cannot be completed before transport of activity to that location.

5.3 TAB C - DNB/DEGRADED CORE SEQUENCE

5.3.1 Under the ALERT classification there is a potential for uncontrolled release of radioactive materials. Calculations of potential off-site doses should be made using the procedure referenced in TAB A.

5.3.2 Under the SITE AREA EMERGENCY classification, refer to decision-making flow chart, Attachment 7.5. Note that the flow chart pertains to General Emergencies. However, this situation is serious enough so that consideration should be given to the protective actions specified in the flow chart.

5.3.3 GENERAL EMERGENCY. Refer to Attachment 7.5. Note 2-mile and 5-mile sheltering requirements. For core melt sequences where significant releases from containment are not yet taking place and large amounts of fission products are not yet in the containment atmosphere, consider 2-mile precautionary evacuation. Consider 5-mile downwind evacuation (45- to 90-degree sector) if large amounts of fission products (greater than gap activity) are in the containment atmosphere. Recommend sheltering in other parts of the plume exposure Emergency Planning Zone under this circumstance.

5.3.3.1 For core melt sequences where significant releases from containment are not yet taking place, where containment failure leading to a direct atmosphere release is likely in the sequence but not imminent, and where large amounts of fission products in addition to noble gases are in the containment atmosphere, consider precautionary evacuation to the 5-mile radius and 10-mile downwind evacuation (45- to 90-degree sector).

5.3.3.2 For core melt sequences where large amounts of fission products other than noble gases are in the containment atmosphere and containment failure is judged imminent, recommend shelter for those areas where evacuation cannot be completed before transport of activity to that location.

5.4 TAB D - LOSS OF SAFETY FUNCTIONS

5.4.1 Under Conditions 3, 4, and 5 of the SITE AREA EMERGENCY classification, there is a potential for core degradation. Refer to the decision-making flow chart, Attachment 7.5.

5.4.2 GENERAL EMERGENCY. Refer to Attachment 7.5. Note 2-mile and 5-mile sheltering requirements. For core melt sequences where significant releases from containment are not yet taking place and large amounts of fission products are not yet in the containment atmosphere, consider 2-mile precautionary evacuation. Consider 5-mile downwind evacuation (45- to 90-degree sector) if large amounts of fission products (greater than gap activity) are in the containment atmosphere. Recommend sheltering in other parts of the plume exposure Emergency Planning Zone under this circumstance.

5.4.2.1 For core melt sequences where significant releases from containment are not yet taking place, where containment failure leading to a direct atmosphere release is likely in the sequence but not imminent, and where large amounts of fission products in addition to noble gases are in the containment atmosphere, consider precautionary evacuation to the 5-mile radius and 10-mile downwind evacuation (45- to 90-degree sector).

5.4.2.2 For core melt sequences where large amounts of fission products other than noble gases are in the containment atmosphere and containment failure is judged imminent, recommend shelter for those areas where evacuation cannot be completed before transport of activity to that location.

5.5 TAB E - HAZARDS TO STATION OPERATION

5.5.1 GENERAL EMERGENCY. Refer to Attachment 7.5. Note 2-mile and 5-mile sheltering requirements. For core melt sequences where significant releases from containment are not yet taking place and large amounts of fission products are not yet in the containment atmosphere, consider 2-mile precautionary evacuation. Consider 5-mile downwind evacuation (45- to 90-degree sector) if large amounts of fission products (greater than gap activity) are in the containment atmosphere. Recommend sheltering in other parts of the plume exposure Emergency Planning Zone under this circumstance.

5.5.1.1 For core melt sequences where significant releases from containment are not yet taking place, where containment failure leading to a direct atmosphere release is likely in the sequence but not imminent, and where large amounts of fission products in addition to noble gases are in the containment atmosphere, consider precautionary evacuation to the 5-mile radius and 10-mile downwind evacuation (45- to 90-degree sector).

5.5.2 For core melt sequences where large amounts of fission products other than noble gases are in the containment atmosphere and containment failure is judged imminent, recommend shelter for those areas where evacuation cannot be completed before transport of activity to that location.

5.6 TAB F - NATURAL PHENOMENA

5.6.1 GENERAL EMERGENCY. Refer to Attachment 7.5. Note 2-mile and 5-mile sheltering requirements. For core melt sequences where significant releases from containment are not yet taking place and large amounts of fission products are not yet in the containment atmosphere, consider 2-mile precautionary evacuation. Consider 5-mile downwind evacuation (45- to 90-degree sector) if large amounts of fission products (greater than gap activity) are in the containment atmosphere. Recommend sheltering in other parts of the plume exposure Emergency Planning Zone under this circumstance.

5.6.1.1 For core melt sequences where significant releases from containment are not yet taking place, where containment failure leading to a direct atmosphere release is likely in the sequence but not imminent, and where large amounts of fission products in addition to noble gases are in the containment atmosphere, consider precautionary evacuation to the 5-mile radius and 10-mile downwind evacuation (45- to 90-degree sector).

5.6.2 For core melt sequences where large amounts of fission products other than noble gases are in the containment atmosphere and containment failure is judged imminent, recommend shelter for those areas where evacuation cannot be completed before transport of activity to that location.

5.7 TAB G - SECURITY COMPROMISE

NOTE

Imminent or actual loss of physical security control of the plant requires that a precautionary evacuation out to 2 miles be recommended to state and parish officials.

5.7.1 GENERAL EMERGENCY. Refer to Attachment 7.5. Note 2-mile and 5-mile sheltering requirements. For core melt sequences where significant releases from containment are not yet taking place and large amounts of fission products are not yet in the containment atmosphere, consider 2-mile precautionary evacuation. Consider 5-mile downwind evacuation (45- to 90-degree sector) if large amounts of fission products (greater than gap activity) are in the containment atmosphere. Recommend sheltering in other parts of the plume exposure Emergency Planning Zone under this circumstance.

5.7.1.1 For core melt sequences where significant releases from containment are not yet taking place, where containment failure leading to a direct atmosphere release is likely in the sequence but not imminent, and where large amounts of fission products in addition to noble gases are in the containment atmosphere, consider precautionary evacuation to the 5-mile radius and 10-mile downwind evacuation (45- to 90-degree sector).

5.7.2 For core melt sequences where large amounts of fission products other than noble gases are in the containment atmosphere and containment failure is judged imminent, recommend shelter for those areas where evacuation cannot be completed before transport of activity to that location.

5.8 TAB H - MISCELLANEOUS

5.8.1 GENERAL EMERGENCY. Refer to Attachment 7.5. Note 2-mile and 5-mile sheltering requirements. For core melt sequences where significant releases from containment are not yet taking place and large amounts of fission products are not yet in the containment atmosphere, consider 2-mile precautionary evacuation. Consider 5-mile downwind evacuation (45- to 90-degree sector) if large amounts of fission products (greater than gap activity) are in the containment atmosphere. Recommend sheltering in other parts of the plume exposure Emergency Planning Zone under this circumstance.

5.8.1.1 For core melt sequences where significant releases from containment are not yet taking place, where containment failure leading to a direct atmosphere release is likely in the sequence but not imminent, and where large amounts of fission products in addition to noble gases are in the containment atmosphere, consider precautionary evacuation to the 5-mile radius and 10-mile downwind evacuation (45- to 90-degree sector).

5.8.1.2 For core melt sequences where large amounts of fission products other than noble gases are in the containment atmosphere and containment failure is judged imminent, recommend shelter for those areas where evacuation cannot be completed before transport of activity to that location.

5.8.2 To determine if the EPA thyroid or whole body dose guidelines could be exceeded, refer to TAB A of this procedure.

6.0 FINAL CONDITIONS

6.1 The radiological release has stopped or diminished and dose projections are below Protective Action Guidelines.

6.2 The emergency condition has been closed out and recovery actions are under way.

7.0 ATTACHMENTS

7.1 Protective Action Guidelines Worksheet

7.2 Affected Sectors/Protective Response Areas Chart

7.3 Evacuation Time Estimate Table

7.4 Protective Response Areas

7.5 Flow Chart for Protective Action Decision-Making Based on Core Conditions

PROTECTIVE ACTION GUIDELINES WORKSHEET

DATE _____

TIME _____

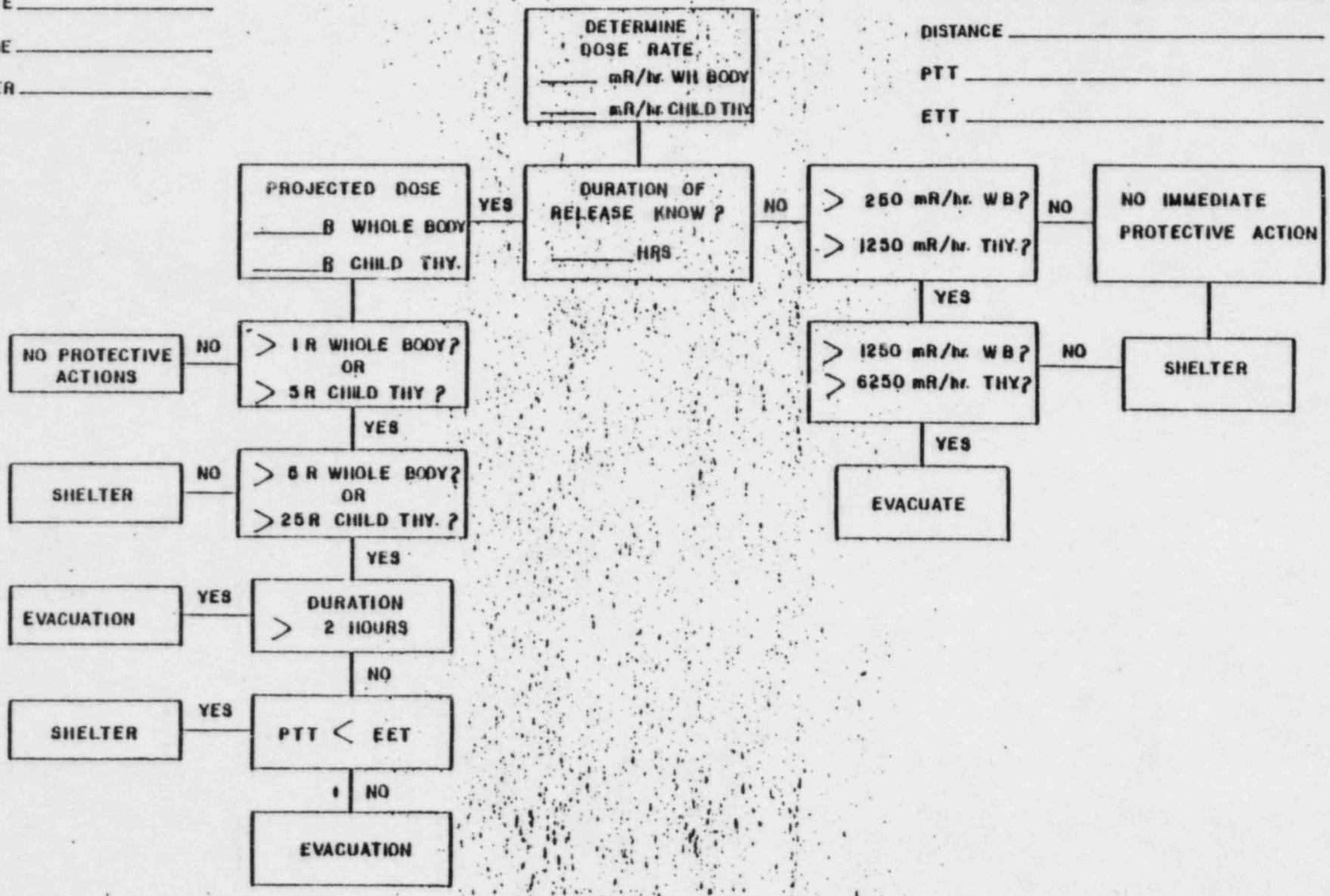
USER _____

PROT. RESP AREA _____

DISTANCE _____

PTT _____

ETT _____



AFFECTED SECTORS/PROTECTIVE RESPONSE AREAS CHART

AFFECTED SECTORS	0-2 miles	2-5 miles	5-10 miles
A,B,C	A1	A2, B2	A3, B4
B,C,D	A1, B1	A2, B2	A3, B4
C,D,E	B1, D1	B2, D2	B3, B4
D,E,F	B1, D1	B2, D2	B3, B4, D3
E,F,G	D1	B2, D2	B3, B4, D3
F,G,H	D1	D2	B3, D3, D4
G,H,J	D1	D2	D3, D4
H,J,K	D1	D2	D4
J,K,L	C1, D1	C2, D2	C4, D4
K,L,M	C1, D1	C2, D2	C4, D4
L,M,N	C1	C2	C4
M,N,P	C1	C2	A4, C3, C4
N,P,Q	C1	C2	A4, C3, C4
P,Q,R	C1	A2, C2	A4, C3
Q,R,A	A1, C1	A2, C2	A3, A4
R,A,B	A1, C1	A2, C2	A3, A4

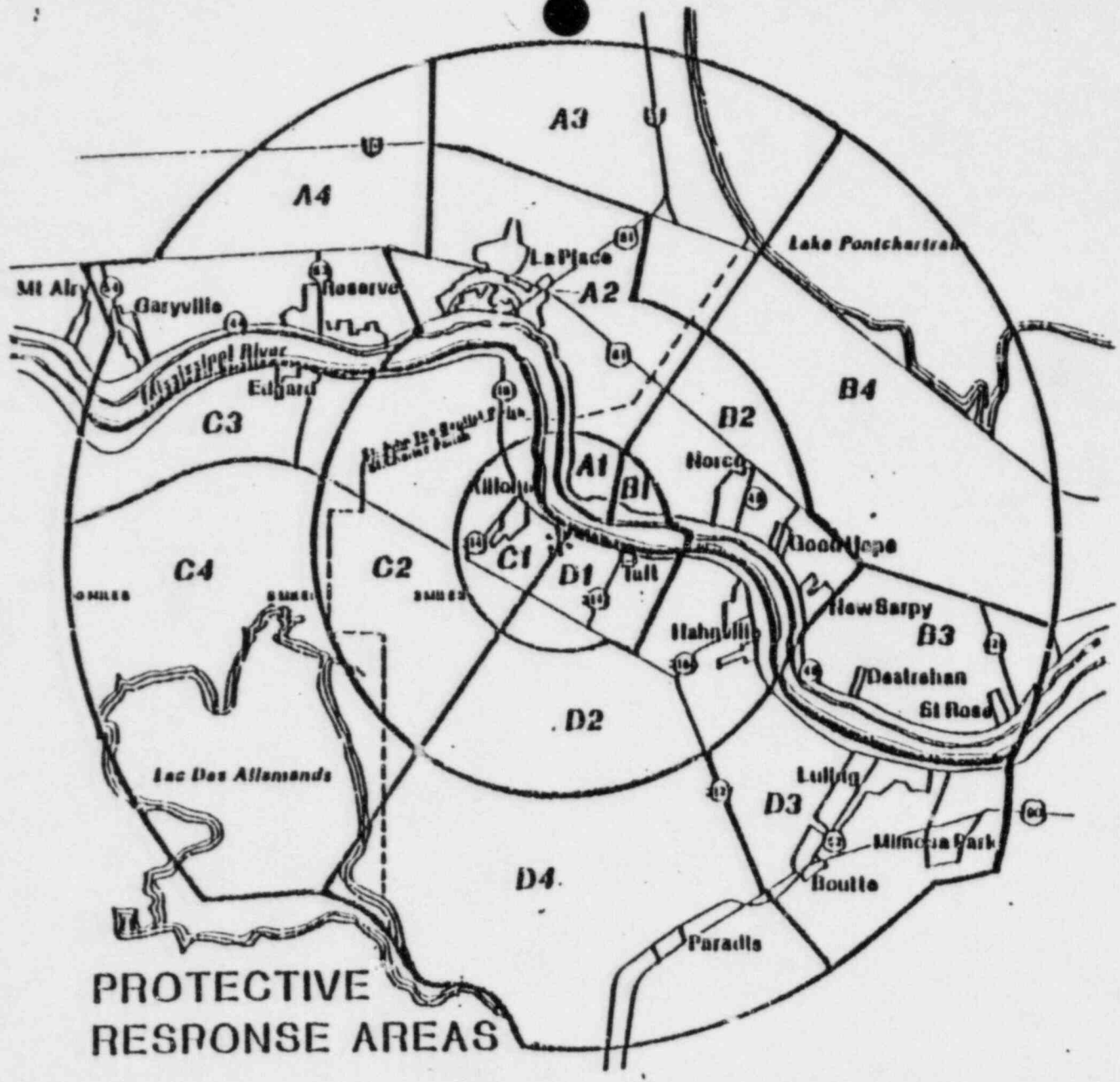
Directions For Use:

Find the plume centerline sector and two adjacent sectors in the "Affected Sectors" column. The corresponding Protective Response Areas in which protective actions are to be implemented can then be found for downwind distances of interest by reading across the page.

EVACUATION TIME ESTIMATE TABLE (*)

Evacuation Time Estimate (Base)	Quadrant	Protective Response Area	Clear Weather Hours	Clear Weather Minutes	Adverse Weather Hours	Adverse Weather Minutes
0-2 Miles	SW	C1	1	45	1	45
	SE	D1	2	15	2	30
	NE	B1	No Population		No Population	
	NW	A1	1	45	1	45
Entire 2-Mile Area			2	15	2	30
0-5 Miles	SW	C1, C2	2	15	2	30
	SE	D1, D2	3	30	4	30
	NE	B1, B2	3	30	4	15
	NW	A1, A2	5	15	7	30
Entire 5-Mile Area			5	15	7	30
0-10 Miles	SW	C1, C2, C3, C4	2	15	2	30
	SE	D1, D2, D3, D4	4	15	6	00
	NE	B1, B2, B3, B4	3	45	4	30
	NW	A1, A2, A3, A4	5	15	7	30
Entire 10-Mile Area			5	15	7	30

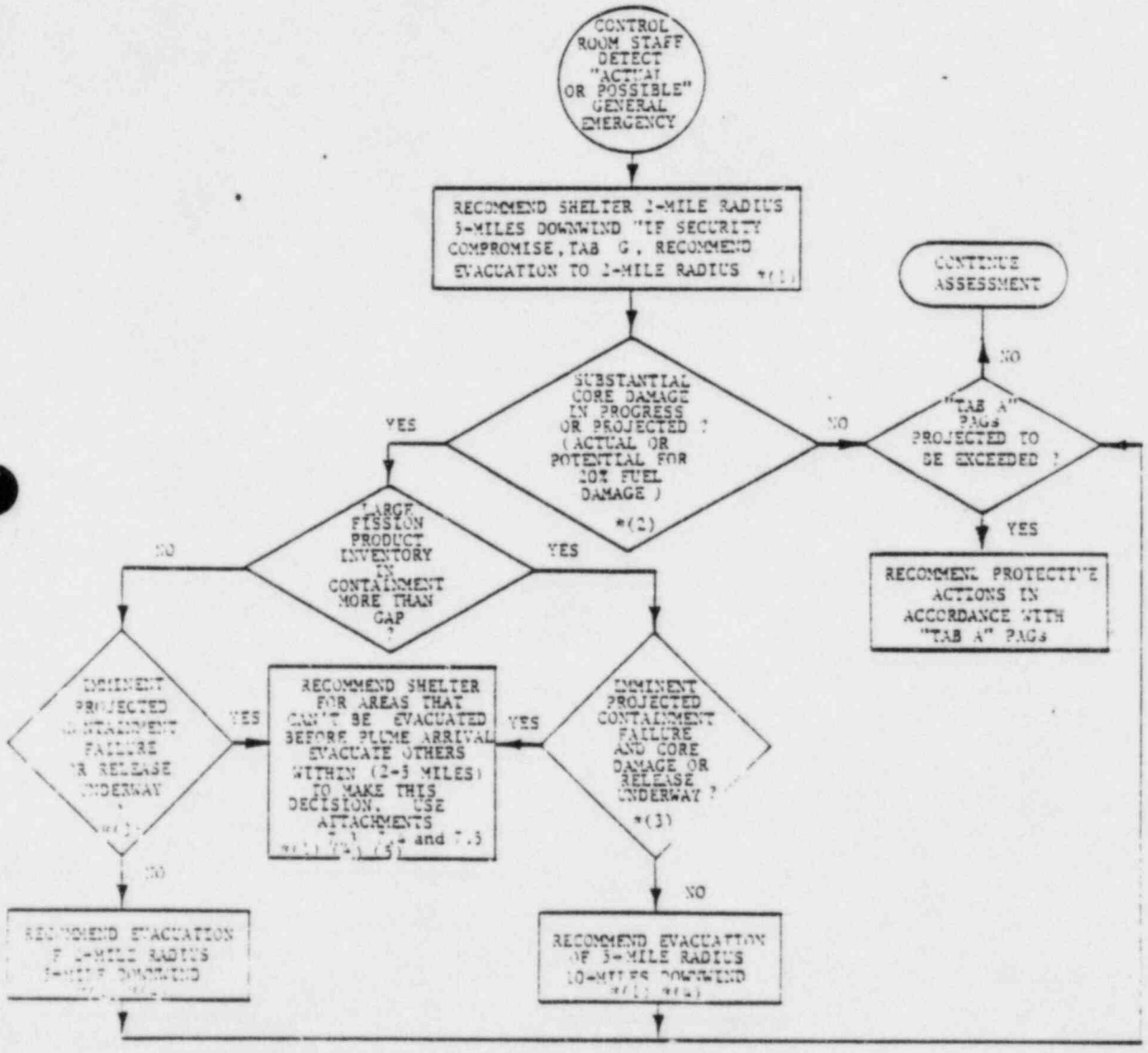
*Time to completely evacuate an evacuation area measured from the time of mobilization.



PROTECTIVE
RESPONSE AREAS

FLOW CHART FOR PROTECTIVE ACTION DECISION-MAKING BASED ON CORE CONDITIONS

THE FOLLOWING ACTIONS WILL BE BASED ON PREDETERMINED OBSERVABLE INSTRUMENTATION & PLANT STATUS INDICATORS EALs CONTAINED IN THE EMERGENCY PLAN & THAT HAVE BEEN REVIEWED BY OFFSITE OFFICIALS HOWEVER RESPONSIBLE OFFSITE OFFICIALS MUST DECIDE ON THE FEASIBILITY OF IMPLEMENTING THE PROTECTIVE ACTIONS AT THE TIME OF THE ACCIDENT.



*(1) SITUATIONS REQUIRING URGENT ACTION BY OFFSITE OFFICIALS (BASED ON CONTROL ROOM INDICATORS. NO DOSE PROJECTIONS REQUIRED) 15-MINUTE DECISION MAKING. ACTIVATION OF ALERTING SYSTEM & EBS MESSAGE.

*(2) ACTUAL OR PROJECTED RELEASE OF 20% GAP FROM CORE OR LOSS OF PHYSICAL CONTROL OF THE PLANT TO INTRUDERS.

*(3) "PUFF" RELEASE RATE MUCH GREATER THAN DESIGNED LEAK RATE.

*(4) FOR ALL EVACUATIONS SHELTER THE REMAINDER OF THE PLUME EPZ & PROMPTLY REEVALUATE THE POPULATION AFFECTED BY ANY GROUND CONTAMINATION FOLLOWING PLUME PASSAGE.

*(5) CONCENTRATE ON EVACUATION OF AREAS NEAR THE PLANT, MAY BE TIME TO EVACUATE 2-MILE RADIUS & NOT THE 5-MILE RADIUS.

WATERFORD 3 SES
PLANT OPERATING MANUAL

LOUISIANA POWER & LIGHT
MIDDLE SOUTH UTILITIES SYSTEM

POM VOLUME 18
POM SECTION 2

EP-2-102
REVISION 7

Emergency Plan Implementing Procedure

Emergency Operations Facility Activation,
Operation and Deactivation

PORC Meeting No. 85-38

Reviewed: _____
PORC Chairman

Approved: _____ 2/25-85
Plant Manager-Nuclear Approval Date

_____
Effective Date

REVIEW COVER SHEET

REVIEW OF: EP-2-102 - Emergency Operations Facility Activation, Operation and Deactivation (Rev. 7)

PORC REVIEW

The PORC has reviewed this item and determined that a safety evaluation was performed (as applicable), that an unreviewed safety question does not exist (as applicable), that a change to the Technical Specifications is not required, and that nuclear safety is/was not adversely affected.

ORDER OF REVIEW	PORC MEMBER	PORC MEMBER SIGNATURE	RECOMMENDED FOR APPROVAL YES	RECOMMENDED FOR APPROVAL NO	DATE
	Maintenance Superintendent	J R McGaha	✓		2/21/85
	Operations Superintendent	[signature]	✓		2/21/85
	Radiation Protection Superintendent	R O Fanning	✓		2/21/85
	Plant Quality Manager	J J Zabko	✓		2/21/85
	Technical Support Superintendent	[signature]			
	Assistant Plant Manager	[signature]			
	PORC Chairman	[signature]	✓		2/21/85

PORC Meeting No. 85-38 Item No. 16 Date: 2-21-85

This item is recommended for approval? ☒ YES ☐ NO

This item requires NRC/NRC review prior to implementation? ☐ YES ☒ NO

If yes, ensure documentation supporting review is attached.

This item requires QA review prior to PM-N approval? ☐ YES ☒ NO

QA REVIEW

Reviewed by N/A DATE N/A
Corporate QA Manager

PLANT MANAGER-NUCLEAR APPROVAL (REFER TO 5.4.12.1)

Comments:

Approved by N/A DATE N/A
Plant Manger-Nuclear

WATERFORD 3 SES

PLANT OPERATING MANUAL — Check Block Below

CHANGE/REVISION/DELETION REQUEST |X|POM |_|PORC-S/C

Procedure No. EP-2-102 Title Emergency Operations Facility Activation

Effective Date _____ (if different from approval date) Operation and Deactivation

Complete A, B, and C

A. Change No. _____ |_|Permanent |_|Deviation Expiration Date _____

B. Revision No. 7

C. Deletion |_|YES |X|NO

DESCRIPTION OF CHANGE OR REVISION

Change drawings, text and added attachment to reflect the new EOF layout and capabilities and design.

REASON FOR CHANGE, REVISION, OR DELETION

Update procedure to reflect new EOF

REQUIRED SIGNATURES

ORIGINATOR _____ DATE 2/18/85

SAFETY REVIEW

Does this change, revision, or deletion:

1. Change the facility as described in the FSAR? YES ____ NO X
2. Change the procedures as described in the FSAR? YES ____ NO X
3. Conduct tests/experiments not described in the FSAR? YES ____ NO X
4. Require a change to the Technical Specifications? YES ____ NO X

If the answer to any of the above is yes, complete and attach a 10CFR50.59 Safety Evaluation.

SAFETY REVIEW _____ DATE 2/18/85

TECHNICAL REVIEW _____ DATE 2-18-85

GROUP HEAD REVIEW _____ DATE 2/18/85

TEMPORARY APPROVAL* (SRO) _____ DATE _____

TEMPORARY APPROVAL* _____ DATE _____

*Temporary approval must be followed by Plant Manager/APM-N - Nuclear approval within 14 days.

TABLE OF CONTENTS

LIST OF EFFECTIVE PAGES

TITLE	Revision 7
1-29, 37 - 44	Revision 7
32 & 33	Revision 6
34 - 36	Revision 5
30 & 31	Revision 3

1.0 PURPOSE

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

2.0 REFERENCES

2.1 Waterford 3 SES Emergency Plan

2.2 EP-2-010, Notifications and Communications

2.3 EP-2-050, Offsite Dose Assessment (Manual)

2.4 EP-2-051, Offsite Dose Assessment (Computerized)

2.5 EP-2-052, Protective Action Guidelines

2.6 EP-2-150, Emergency Plan Implementing Records

2.7 EP-2-170, Recovery

2.8 EP-1-010, Unusual Event

2.9 EP-1-020, Alert

2.10 EP-1-030, Site Area Emergency

2.11 EP-1-040, General Emergency

2.12 EP-1-001, Recognition and Classification of Emergency Conditions

2.13 EP-2-090, Core Damage Assessment

2.14 EP-2-060, Radiological Field Monitoring

2.15 EP-2-190, Personnel Accountability

2.16 EP-2-031, In-Plant Radiological Controls and Surveys During Emergencies

2.17 EP-2-030, Emergency Radiation Exposure Guidelines and Controls

2.18 EP-2-034, On-site Surveys During Emergencies

2.19 Emergency Management Resources Book

2.20 EP-2-061, Emergency Environmental Monitoring

3.0 RESPONSIBILITIES

The EOF Director has overall responsibility for ensuring that actions outlined in this procedure are carried out. The Radiological Assessment Coordinator, Communications Coordinator, Administration/ Logistics Coordinator, Operations/Engineering Coordinator, Licensing Coordinator and Off-Site Technical Advisor are responsible for ensuring that activities in their areas are conducted in accordance with this procedure. The first EOF responders shall begin implementation of this procedure.

4.0 INITIATING CONDITIONS

This procedure is to be initiated upon any of the following conditions:

4.1 At the direction of the EOF Director.

4.2 Declaration of any of the following emergency conditions:

4.2.1 Site Area Emergency

4.2.2 General Emergency

5.0 PROCEDURE

NOTE
If the Backup EOF is to be activated, Refer to Attachment 7.5.

5.1 General Instructions for all Personnel

5.1.1 Perform a whole body frisk upon arrival by following the posted instruction. The frisker is inside the EOF main entrance.

5.1.2 Sign in on the status board in the Operations Room.

5.1.3 If the EOF has not been activated and you are one of the first arrivals, GO TO STEP 5.2, EOF FIRST RESPONDERS.

5.1.4 Follow the instructions in the portion of this procedure dealing with your assigned area (communications, radiological assessment, etc.)

5.2 EOF First Responders

5.2.1 The first EOF responders shall perform the following activities:

5.2.1.1 Open the EOF Key box and unlock the Emergency Storage Room, the Communications Room, the Dose Assessment Room, LNED Room, the Decontamination Room, and the Operations Room.

5.2.1.2 Arrange the tables in the Operations Room in accordance with Attachment 7.1.

5.2.1.3 Remove the storage boxes from the Emergency Storage Room and place them on the respective tables in the Operations Room (Refer to Attachment 7.1).

5.2.1.4 Report to assigned area and conduct operations in accordance with the appropriate section of this procedure.

5.3 EOF Director

5.3.1 Activation

5.3.1.1 Remove documents, logs, ect. from storage box and setup work area. Connect telephone and contact the Emergency Coordinator and review past and present plant conditions and actions taken.

5.3.1.2 Review the status of EOF facility activation with the Administration/ Logistics Coordinator.

5.3.1.3 Review with the Radiological Assessment Coordinator the status of EOF Radiological Assessment activation.

5.3.1.4 Review with the Communications Coordinator the status of EOF Communications activation.

5.3.1.5 Review with the Operations/Engineering Coordinator the status of EOF operations/technical support.

5.3.1.6 Determine the desirability of activating a Deputy EOF Director. Request the Administration/Logistics Coordinator callout an off duty EOF Director to serve as the Deputy EOF Director if desired.

5.3.1.7 When the Administration/Logistics Coordinator, Communications Coordinator, Radiological Assessment Coordinator and Operations/Engineering Coordinator indicate their areas are ready, instruct them to begin preparations for transfer of responsibilities as appropriate.

5.3.2 Operation

5.3.2.1 Notify the Emergency Coordinator that the EOF is ready to formally transfer responsibilities when the Radiological Assessment Coordinator and Communications Coordinator are ready to accept them.

NOTE

The responsibilities that will be transferred to the EOF Director by the TSC Emergency Coordinator are:

1. Request for assistance of off-site agencies.
2. Protective action recommendations to off-site agencies.

NOTE

The responsibilities that remain with the Emergency Coordinator and that will not be transferred to the EOF Director are:

1. Classification and declaration of an emergency.
2. Authorization of radiation exposure in excess of 10CFR20 limits.

5.3.2.2 Ensure that the EOF Communications Coordinator coordinates the transfer of communications to the EOF in accordance with EP-2-010.

5.3.2.3 Direct the Radiological Assessment Coordinator to formally transfer off-site dose assessment and field monitoring from the TSC to the EOF.

5.3.2.4 When the above responsibilities have been transferred, declare the EOF activated. Coordinate this with the Emergency Coordinator in order for him to notify the TSC staff and make a public address announcement.

5.3.2.5 Notify the Emergency Director that the EOF is activated and has assumed overall emergency command and control.

5.3.2.6 Ensure Follow-up Notification Reports are completed in a timely manner. Updates should be made every 30 minutes when conditions do not change and within 15 minutes whenever conditions change (initiated by RAC or Operations/Engineering Coordinator).

5.3.2.7 Ensure NRC reports are completed in a timely manner and information provided to the NRC by the Licensing Coordinator.

5.3.2.8 Ensure overall operation of the EOF can be maintained - coordinate habitability monitoring with the RAC and issue appropriate orders including evacuation to the Backup EOF as necessary.

5.3 2.8.1 Whenever the potential exists for an increase in radiation/contamination levels (such as a wind shift or increase in release rate) in the EOF, make a general announcement to the EOF Staff.

5.3.2.9 Provide input to the Emergency Coordinator on classification of the emergency in accordance with EP-1-001.

> NOTE
> After the EOF is activated, the Emergency Coordinator and the TSC staff should continue to provide input on Protective Action Recommendations, based on their assessment of plant conditions, as necessary.

5.3.2.10 Make offsite protective action recommendations to offsite agencies in accordance with EP-2-052.

5.3.2.11 Provide support to the TSC as requested.

5.3.2.12 Coordinate emergency response with the Emergency Director and Emergency Coordinator and maintain contact regarding plant conditions - keep EC/ED informed of EOF activities and offsite conditions.

5.3.2.13 Make periodic announcements to the EOF Staff regarding the status of the emergency, plant conditions and radiation levels within the EOF as applicable.

5.3.2.14 When corrective and protective actions have been implemented and control has been regained over plant systems and/or any uncontrolled radioactive release has been terminated implement EP-2-170, Recovery.

5.3.3 Deactivation

5.3.3.1 If the EOF must be evacuated and the Backup EOF activated, ensure the activities in Attachment 7.5 are performed and notify the EC and Emergency Director.

5.3.3.2 Ensure activities are performed to collect all data, notify appropriate offsite agencies and secure EOF emergency operations.

5.4 Administration/Logistics Coordinator

5.4.1 Activation

5.4.1.1 Remove documents. logs, etc. from storage box and setup work area. Connect telephone and verify that it is working correctly.

5.4.1.2 Verify the overall EOF facility readiness:

A. All emergency telephones hooked up and working correctly.
- Operations Room
- Dose Projection Room (Dose Projection Coordinator)
- Communications Room (EOF Communicat
- Technical Assessment Room
- NRC Room

B. TWIX operational (Offsite Technical Assistant)

C. Facsimile machines operational (EOF Communicator)

D. All areas within the EOF requiring access are unlocked.

E. All area clocks operating and synchronized.

F. Adequate supplies (paper, pencils, markers, etc.) available.

G. All EOF Staff signed in on the status board.

H. Procedures (position books), facility logs, communications forms and Emergency Management Resources Book available at each position.

5.4.1.3 Establish EOF Security:

A. Direct Security to establish a check point at the main EOF entrance.

B. Secure all other entrances to the EOF.

C. Clear EOF of all non-essential personnel.

5.4.1.4 Direct the Security check point to admit authorized personnel only. A list of personnel authorized for EOF entrance/and those individuals that can allow access for personnel not on the access list, is in the Emergency Management Resources Book.

5.4.1.5 Instruct EOF Logkeeper to begin recording EOF activities and EOF Director announcements/decisions.

5.4.1.6 Notify the EOF director when preceding activation steps are complete and the Administration/Logistics Coordinator and EOF Logkeeper are ready to activate.

5.4.2 Operation

5.4.2.1 Collect, review, sort and file paperwork generated during EOF operation that is retained for historical purposes.

5.4.2.2 Provide general clerical/document control support (if sufficient staff available) - typing, running messages, copying, retrieval of documents.

5.4.2.3 Coordinate activities with Communications Coordinator and Licensing Coordinator to ensure copies of approved and transmitted Follow-up Notification and NRC Reports are routed to: Radiological Assessment Coordinator, Field Team Controller, Communications Coordinator, Licensing Coordinator, EOF Director, Operations/Engineering Coordinator, Off-Site Technical Advisor.

5.4.2.4 Set up routing for other documents generated during EOF operations as necessary.

5.4.2.5 Call out additional personnel as directed.

5.4.2.6 If EOF operations are to continue round-the-clock, the Administration/Logistics Coordinator is responsible for setting up a watch-bill (using Attachment 7.6 as a guide). The Administration/Logistics Coordinator should coordinate the shift schedules for all Emergency Response Facilities (TSC, OSC, Control Room, EOF). The EOF watch-bill shall be approved by the EOF Director.

NOTE

(1) Parish Restricted Area - is that area to which access has been restricted by the St. Charles Parish Emergency Operations Center (EOC).

(2) Access into the Parish Restricted Area can be made by personnel who have (or who are escorted by an individual who has) a St. Charles Parish Emergency Access Card ("Pink Card"). See the Emergency Management Resources Book for the positions which are issued St. Charles Parish Emergency Access Cards. See Attachment 7.8 for additional guidance.

5.4.2.7 Provide interface on EOF Security matters including accountability and personnel access to EOF/Waterford 3 Site. Ensure continuous accountability is performed in accordance with Attachment 7.4.

5.4.2.8 Provide logistics support and interface with Corporate Command Center personnel for personnel food, travel, lodging and funds.

5.4.2.9 Provide logistics support and interface with Corporate Command Center personnel for parts and equipment including allocation/disbursement of funds, transportation and contract considerations.

5.4.2.10 Provide interface with INPO and other utilities for additional resources/support.

5.4.2.11 Provide support in preparation and review and approval of temporary procedures.

5.4.2.12 Act as secretary for technical review groups identified for procedure approval, modification.

5.4.2.13 Ensure a log of EOF Director/Major EOF Activities is kept by the EOF Logkeeper.

5.4.2.14 Ensure the EOF Major Events board is kept up-to-date by the EOF Logkeeper.

5.4.2.15 Direct the activities of the EOF Administrative Assistants (when they are activated.)

5.4.2.16 Keep up facilities log of the activities of the Administration/ Logistics Coordinator.

5.4.2.17 As documentation is completed by the EOF staff, periodically collect, review and handle for final disposition (or sort and provide for further reference until secure from the emergency condition) in accordance with EP-2-150. Ensure the requirements of EP-2-150 are complied with for all generated documentation.

5.4.3 Deactivation

5.4.3.1 If the EOF is to be deactivated due to existing conditions and the backup EOF activated, GO TO Attachment 7.5.

5.4.3.2 Collect all data, correspondence and paperwork generated by EOF staff and sort, review and collate for review by the Emergency Planning Coordinator (EPC). Ensure the requirements and guidelines of EP-2-150 are met.

5.4.3.3 Collect facility logs, review and put together to provide one historical record of the actions taken for EPC review. Review for compliance with the requirements of EP-2-150.

5.4.3.4 Assist in follow-up activities and evaluation of the event.

5.5 Operations/Engineering Coordinator

5.5.1 Activation

5.5.1.1 Remove documents, logs, etc. from storage box and setup work area. Connect telephone and contact the TSC Lead Engineer for plant information and areas where technical assessment assistance is needed.

5.5.1.2 Ensure the EOF emergency diesel generator is checked-out as follows:

A. Manually start the Emergency Diesel Generator by placing the RUN/STOP/REMOTE switch in RUN (normally in REMOTE). The RUN/STOP/REMOTE switch is located in the enclosure on the diesel generator, see Attachment 7.9 for detail.

B. Manually stop after at least five (5) minutes of operation by placing the RUN/STOP/REMOTE switch in STOP.

C. When the Emergency Diesel Generator comes to a complete stop place the RUN/STOP/REMOTE switch in REMOTE.

NOTE
See Attachment 7.9 for additional information on the Emergency Diesel Generator.

5.5.1.3 Check operability of SPDS terminal in the Technical Assessment area and monitor plant data.

5.5.1.4 If SPDS is inoperable, coordinate telephone communications with the TSC to obtain plant data.

5.5.1.5 Ensure the Library is unlocked and reader/printer is operable (key in EOF key box).

5.5.1.6 Maintain the EOF plant status/mimic boards (assign an individual if available).

5.5.1.7 Notify the EOF Director when the preceding items have been completed and the Operations/Engineering Coordinator is ready for activation.

5.5.2 Operation

5.5.2.1 Provide technical support to the TSC/Control Room.

5.5.2.2 Assist the TSC Engineering and Operations staff in evaluating engineering related problems of the reactor, essential safety-related systems, and any other significant problem areas identified by the TSC using the following as necessary:

A. Piping and Instrumentation Diagrams, including piping system drawings, general arrangement drawings and electrical schematics (aperture cards and reader).

B. Applicable plant operating and/or maintenance procedures.

C. Parameters as given through the Safety Parameter Display System (SPDS) or telephone contact with Control Room/TSC.

D. W3 SES Final Safety Analysis Report.

E. Applicable equipment technical manuals.

5.5.2.3 Coordinate efforts of support organizations in the areas of engineering/technical assessment such as Combustion Engineering, Ebasco, Middle South Utilities and INPO.

5.5.2.4 Provide recommendations for system modifications necessary to ensure the immediate safe shutdown of the reactor and any system additions necessary to maintain long-term shutdown capabilities.

5.5.2.5 Coordinate in conjunction with TSC Engineering Staff, design of modifications necessary to support off-normal plant conditions.

5.5.2.6 Conduct supplemental transient or accident analysis, including event tree analyses or computer calculations, as necessary <u>including possible events that could occur which should be anticipated by the emergency response organization.</u>

5.5.2.7 Prepare procedures/guidelines as necessary for the installation, modification or emergency operating methodologies of plant-related off-normal systems or conditions.

5.5.2.8 Coordinate with TSC Engineering Staff the establishment of a technical review group to review and approve temporary procedures.

> NOTE
> As a minimum, this group shall be made up of the EOF Operations/Engineering Coordinator, TSC Lead Engineer, TSC Operations Coordinator, TSC Health Physics Coordinator or Health Physics Coordinator Assistant, one discipline engineer and the Administration/Logistics Coordinator as secretary. Once approved by the group, procedures shall be approved by the Emergency Coordinator. Review Group approval may be handled by conference call if necessary.

5.5.2.8.1 When time and conditions permit, these documents shall be sent through the normal station review process in accordance with existing procedures.

> NOTE
> Follow-up Notification Reports may be generated manually or by computer (in the dose projection area).

5.5.2.9 Fill out appropriate sections related to plant status of the Follow-up Notification Report, pass on to the RAC for further work, or if complete, provide to EOF Director for approval. Initiate new reports as per EP-2-010. Provide information to the Licensing Coordinator to assist him in preparing NRC Reports.

5.5.2.10 Work with the EOF Director and RAC in development of Protective Action Recommendations using EP-1-001 to identify where Protective Action Recommendations may be necessary based on plant conditions. The EOF Director and RAC will use EP-2-052 to arrive at appropriate recommendations.

5.5.2.11 Work with the EOF Director in evaluating conditions for emergency classification/declassification using EP-1-001.

5.5.2.12 Keep the EOF director informed of plant conditions and Operations/Engineering group activities.

5.5.2.13 Keep plant condition status/mimic boards updated.

5.5.2.14 Maintain facilities log for the Operations/Engineering Coordinator.

5.5.3 Deactivation

5.5.3.1 If the Backup EOF is to be activated, Refer to Attachment 7.5.

5.5.3.2 If the emergency condition has terminated, ensure all data, correspondence and paperwork generated by the Operations/ Engineering staff is collected and provided to the Administration/Logistics Coordinator.

5.5.3.3 Provide Administration/Logistics Coordinator with the completed facilities log for the Operations/Engineering group.

5.5.3.4 Ensure procedures requiring further review are identified and entered into the normal review process.

5.6 Radiological Assessment Coordinator

5.6.1 Activation

5.6.1.1 Remove document, logs, etc. from storage box and setup work area. Connect telephone and establish communications with the TSC Health Physics Coordinator and Field Monitoring Teams to verify operability of the Radiological Assessment Area communications equipment.

5.6.1.2 Ensure TLD's and self reading dosimeters are issued to all EOF staff and that all required information is recorded on Attachment 7.2.

5.6.1.3 Verify the operation of the EOF HVAC Control panel by:

a. Pressing LAMP TEST button to insure the mode indicator lights are operable.
b. Verifying operability of the outside and return air Radiation monitors by pressing the NORMAL button and observing that the indicator needle moves upscale.

5.6.1.4 Consideration for establishing a step off pad at the EOF frisker should be made if a reasonable probability for personnel contamination exists.

5.6.1.5 In the event that personnel entering the EOF are contaminated they should be directed to remain in the Decontamination Room. The HPC should be contacted and request for health physics personnel should be made to staff the Decontamination Room.

CAUTION

Prior to commencing decontamination activities in the EOF verify the Decontamination Room drain valve in the "TANK" position.

5.6.1.6 Begin monitoring off-site radiological communications.

5.6.1.7 The Radiological Assessment Coordinator shall establish communications with the Health Physics Coordinator to review the present status of the situation and past radiological actions/ protective actions taken.

NOTE

When the Radiological Assessment group is fully staffed the Radiological Assessment Coordinator may begin performing activities at the request of the Health Physics Coordinator. These actions will be performed under the overall direction of the Emergency Coordinator until the EOF is activated and the EOF Director has formally accepted these responsibilities from the Emergency Coordinator.

5.6.1.8 Notify the EOF Director when the Radiological Assessment group is fully staffed and functioning.

5.6.1.9 At the direction of the EOF Director, transfer offsite survey and dose projection responsibilities from the HPC to the RAC. Ensure the control of the CEPADAS program is transferred to the EOF.

NOTE

The CEPADAS "Operational Input" Program can only be run from one location. Control of this must pass to the EOF. The TSC can continue to display CEPADAS, but not adjust inputs in "Operational Input".

5.6.2 Operation

5.6.2.1 Perform offsite dose projections in accordance with EP-2-051 and/or EP-2-050.

NOTE

Use of respiratory protection devices and/or protective clothing by the field monitoring teams require Emergency Coordinator and EOF Director approval.

5.6.2.2 Maintain contact with the offsite field monitoring teams and direct their activities.

5.6.2.2.1 Monitor offsite field monitoring team exposures and offsite contamination levels. Provide recommendations to the EOF Director when protective clothing and/or respirators may be required to be used by the field monitoring teams. Use the guidelines for in-plant use of protective equipment.

5.6.2.3 Maintain radiological controls for the EOF by:

A. Ensuring personnel read and record self reading dosimeters.

B. Ensuring surveys are made by EOF and/or TSC/OSC personnel as appropriate in accordance with EP-2-034.

C. Monitoring the HVAC Control Panel's Radiation detectors. If an increase in count rate is observed, conduct surveys as per EP-2-034.

5.6.2.4 Advise the EOF Director as to EOF habitability conditions as appropriate.

5.6.2.4.1 Consideration should be given to evacuating the EOF when radiation levels are 100 mrem/hr or greater, and/or total weighted MPC airborne concentration levels are 10 MPC or greater, and there is no indication that these levels will significantly decrease during the next 4 hours.

5.6.2.4.2 The EOF shall be evacuated when radiation levels are 500 mrem/hr or greater, and/or total weighted MPC airborne concentrations are 100 MPC or greater.

NOTE

Accumulated doses to personnel must also be taken into account. Consideration should be given to evacuation when 10CFR20 limits (see EP-2-030) are approached and there is no indication that conditions will improve before limits will be exceeded.

5.6.2.5 Advise the EOF Director on offsite Protective Action Recommendations in accordance with EP-2-052. Coordinate activities with the Off-Site Technical Advisor and EOF Director to remain informed of actual protective actions taken by the offsite agencies.

5.6.2.6 Advise the EOF Director on emergency condition classification in accordance with EP-1-001.

5.6.2.7 Coordinate Field Monitoring activities and Protective Action Recommendations with LNED Field Response Center Personnel.

5.6.2.8 Provide logistical support as necessary to the TSC Health Physics Coordinator and coordinate these activities with the Administration/Logistics Coordinator.

NOTE
Follow-up Notification Reports may be generated manually or by computer (in the dose projection area).

5.6.2.9 Initiate Follow-up Notification Reports when conditions change. If conditions have not changed, these reports should be initiated every 30 minutes. Coordinate these activities with the Operations/Engineering Coordinator and Licensing Coordinator (for NRC Reports). Provide information to the Licensing Coordinator to assist him in preparing NRC Reports.

NOTE
The RAC is the contact for the NRC on the NRC Health Physics Network (HPN) line. This responsibility is transferred from the TSC Health Physics Coordinator.

5.6.2.10 Coordinate environmental sampling and analysis activities including air samples and smear surveys. Coordinate these activities with LNED Field Response Center personnel, TSC Health Physics Coordinator and OSC Radiological Controls Coordinator.

5.6.2.11 Keep the EOF Director advised of Radiological Assessment group activities.

5.6.2.12 Keep Radiological Assessment group status boards updated.

5.6.2.13 Maintain a facilities log for the Radiological Assessment Coordinator and Dose Projection Area.

5.6.3 Deactivation

5.6.3.1 If the Backup EOF is to be activated, GO TO Attachment 7.5.

5.6.3.2 If the emergency condition has terminated, review calculations, data and paperwork and provide to Administration/Logistics Coordinator.

5.6.3.3 Ensure areas affected by radioactive plume are identified for further sampling during recovery phases and a sampling program identified in accordance with EP-2-061.

5.6.3.4 Assist in evaluation and analysis of the event including coordination of further sampling and analysis, dose commitment calculations, report generation during recovery phase.

5.6.3.5 If the Decontamination Room was used:

a. Decontaminate the Room
b. Flush associated plumbing
c. Place the Decontamination Room drain valve in the "DRAIN" position
d. Arrange to have drain tank flushed and drained.

5.7 Off-Site Technical Advisor

5.7.1 Activation

5.7.1.1 Remove documents, logs, etc. from storage box and setup work area. Connect telephone and contact the Emergency News Center (ENC) Director to verify communication equipment operability.

5.7.1.2 If the EOF is not activated upon arrival at the site, report to the TSC under the direction of the Emergency Coordinator.

5.7.1.3 When the EOF is declared operable by the EOF Director, move to the EOF under the direction of the EOF Director.

5.7.1.4 Review the plant status and review the preceding events.

5.7.2 Operation

5.7.2.1 Provide updated technical information and/or draft news releases via telephone or facsimile to ENC Director on a mutually agreed to frequency or as conditions change.

5.7.2.2 Brief ENC Director and Technical Spokesperson on current conditions prior to news briefings held at the Emergency News Center.

5.7.2.3 Provide additional information, as required, to the Off-Site Technical Representatives to help them in coordinating technical information at their assigned locations.

NOTE

Ensure the Off-Site Technical Representatives provide feedback on State and Parish activities to the EOF - particularly on protective actions actually taken. Provide this information to the EOF Director or Emergency Coordinator.

5.7.2.4 Direct the activities of the Off-Site Technical Assistant.

5.7.2.5 Maintain a facilities log of the activities of the Off-Site Technical Advisor.

5.7.2.6 Draft INPO Nuclear Network Messages for transmission over the Nuclear Network terminal, get EOF Director or Emergency Coordinator approval and transmit upon approval.

NOTE

The INPO Nuclear Network Messages are for use by technical groups. These messages should contain more technical detail than information provided for the Emergency News Center. News releases should not be used as Nuclear Network Messages.

5.7.3 Deactivation

5.7.3.1 If the Backup EOF is to be activated, GO TO ATTACHMENT 7.5.

5.7.3.2 Continue to perform functions in 5.7.2 above until services are no longer required by the Emergency News Center, Corporate Command Center, State and Parish EOCs.

5.7.3.3 Direct Off-Site Technical Assistant to gather all draft news releases, data sent to ENC, any logs, messages sent or received, and news releases received.

5.7.3.4 Provide information gathered in step 5.7.3.3 above to Administration/Logistics Coordinator.

5.7.3.5 Assist in evaluation of the event.

5.8 Communications Coordinator

5.8.1 Activation

5.8.1.1 Ensure operability of all communications equipment.

5.8.1.2 Monitor any active lines.

5.8.1.3 Contact TSC Lead Communicator and get copies of all messages that have been transmitted/received.

5.8.1.4 At the direction of the EOF Director, transfer communications from the TSC to the EOF in accordance with EP-2-010.

NOTE

The Communications Coordinator and 2 (two) Communicators are required for EOF activation. The third communicator provides assistance as needed.

5.8.1.5 The EOF Communicators assist the Communications Coordinator in these activities.

5.8.1.6 Inform EOF Director when the preceding steps have been completed and the EOF Communications group is ready to activate.

5.8.2 Operation

5.8.2.1 Ensure EOF Communications group activities are carried out in accordance with EP-2-010.

5.8.2.2 Transmit communications as instructed by the EOF Director and ensure all communications to offsite agencies have his approval.

5.8.2.3 Ensure messages received by the EOF Communicators are acted upon by the proper individuals and that the EOF Director is aware of these transmissions.

5.8.2.4 Aid the EOF Director in ensuring Follow-up Notification Reports are completed in a timely manner and transmitted.

5.8.2.5 Maintain Communications status boards.

5.8.2.6 Keep the EOF Director informed of Communications activities.

5.8.3 Deactivation

5.8.3.1 If the Backup EOF is to be activated, Refer to Attachment 7.5.

5.8.3.2 If the emergency condition has terminated, collect all communications forms and Follow-up Notification Reports and provide to the Administration/Logistics Coordinator.

5.8.3.3 Close out communications with offsite agencies as directed by the EOF Director.

5.8.3.4 Assist in follow-up evaluation of the event as instructed.

5.9 Licensing Coordinator

5.9.1 Activation

5.9.1.1 If The EOF is not activated upon arrival at the site, report to the TSC under the direction of the Emergency Coordinator.

5.9.1.2 When the EOF is declared operable by the EOF Director, move to the EOF under the direction of the EOF Director.

5.9.1.3 Remove document, logs, etc. from storage box and setup work area. Connect telephone and verify operability.

5.9.1.4 Obtain from the TSC Lead Communicator, Control Room Emergency Communicator and/or EOF Communications Coordinator all previous communications with NRC.

5.9.1.5 Review plant status for evaluation from a Licensing standpoint.

5.9.1.6 Ensure sufficient work space is available and lodging, meals, etc. arranged for NRC personnel responding to the site (coordinate with the Administration/Logistics Coordinator if EOF is activated).

5.9.1.7 Receive initial direction on areas that require immediate Licensing attention from the Emergency Coordinator or EOF Director.

5.9.2 Operation

5.9.2.1 Provide LP&L Liaison with NRC personnel and handle NRC inquiries.

5.9.2.2 Review Licensing items requiring immediate attention.

5.9.2.3 Interface with Middle South Utilities, EOF staff, TSC staff, INPO and other organizations on applicable Licensing matters.

5.9.2.4 Keep the EOF Director or Emergency Coordinator informed of Licensing activities.

5.9.2.5 Provide NRC Supplemental Event Notification forms to EOF Director or Emergency Coordinator for approval and transmit over the ENS line.

5.9.2.6 Maintain communications on the ENS line.

5.9.2.7 Provide for backup offsite licensing support as needed.

5.9.2.8 Keep a facilities log of the activities of the Licensing Coordinator.

5.9.3 Deactivation

5.9.3.1 If the Backup EOF is to be activated, Refer to Attachment 7.5.

5.9.3.2 Provide completed NRC Reports to the Administration/Logistics Coordinator.

5.9.3.3 Provide applicable generated paperwork to be retained for historical files to the Administration/Logistics Coordinator.

5.9.3.4 Review the event for Licensing ramifications as directed and coordinate further activities with the EOF Director.

6.0 FINAL CONDITIONS

6.1 All records generated during the operation of the EOF have been handled per EP-2-150, Emergency Plan Implementing Records.

6.2 All functional equipment/supplies have been restored to preactivation conditions.

6.3 The entire EOF Staff has been relieved of all duties associated with the operation of the EOF/Backup EOF.

6.4 EP-2-170, Recovery has been implemented as required.

7.0 ATTACHMENTS

7.1 EOF Floor Plan and Equipment Locations

7.2 EOF Personnel Dosimetry Log

7.3 Backup EOF Floor Plan and Equipment Locations

7.4 EOF Accountability

7.5 Backup EOF Activation

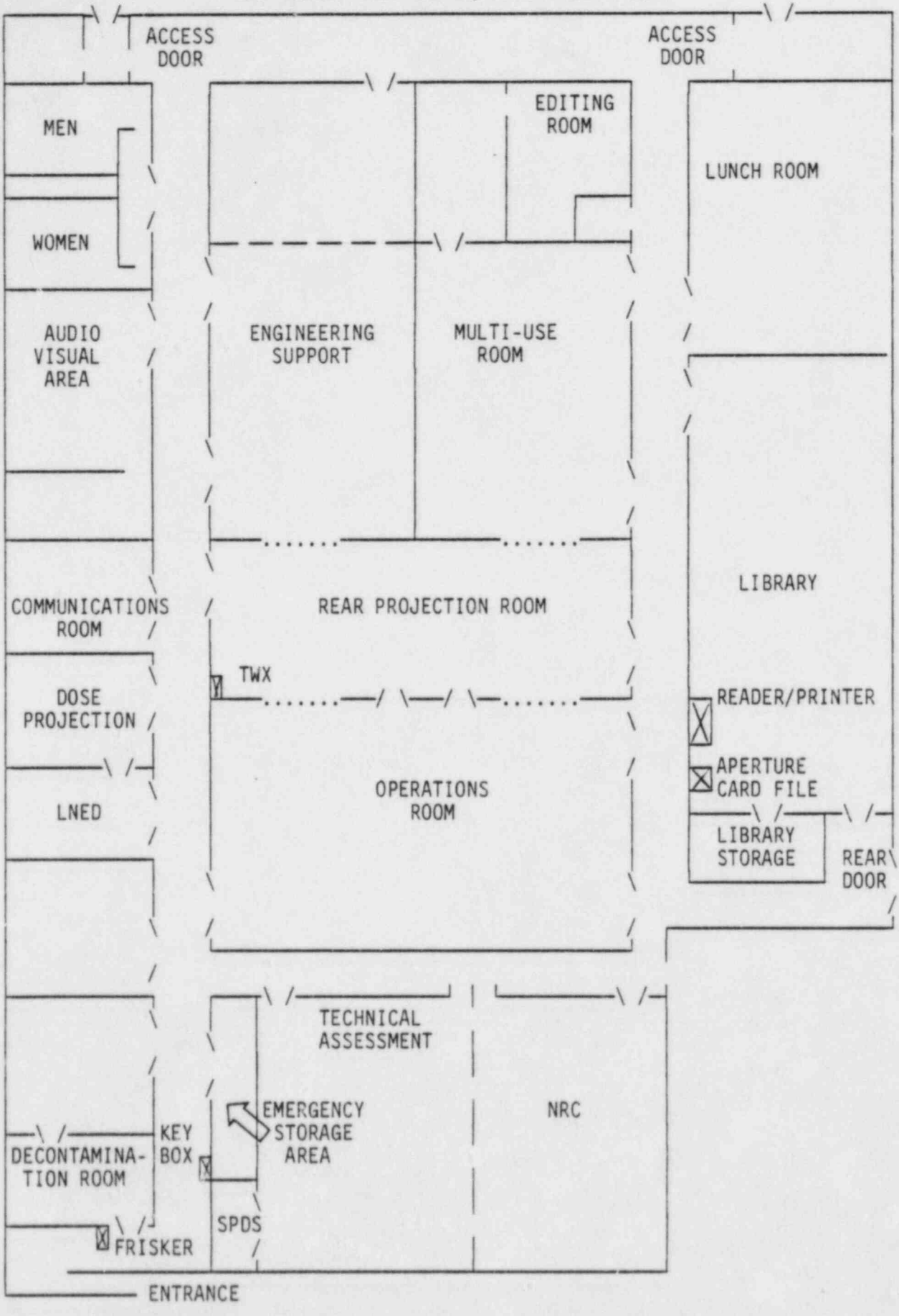
7.6 Watch Bill Form

7.7 EOF HVAC Operation

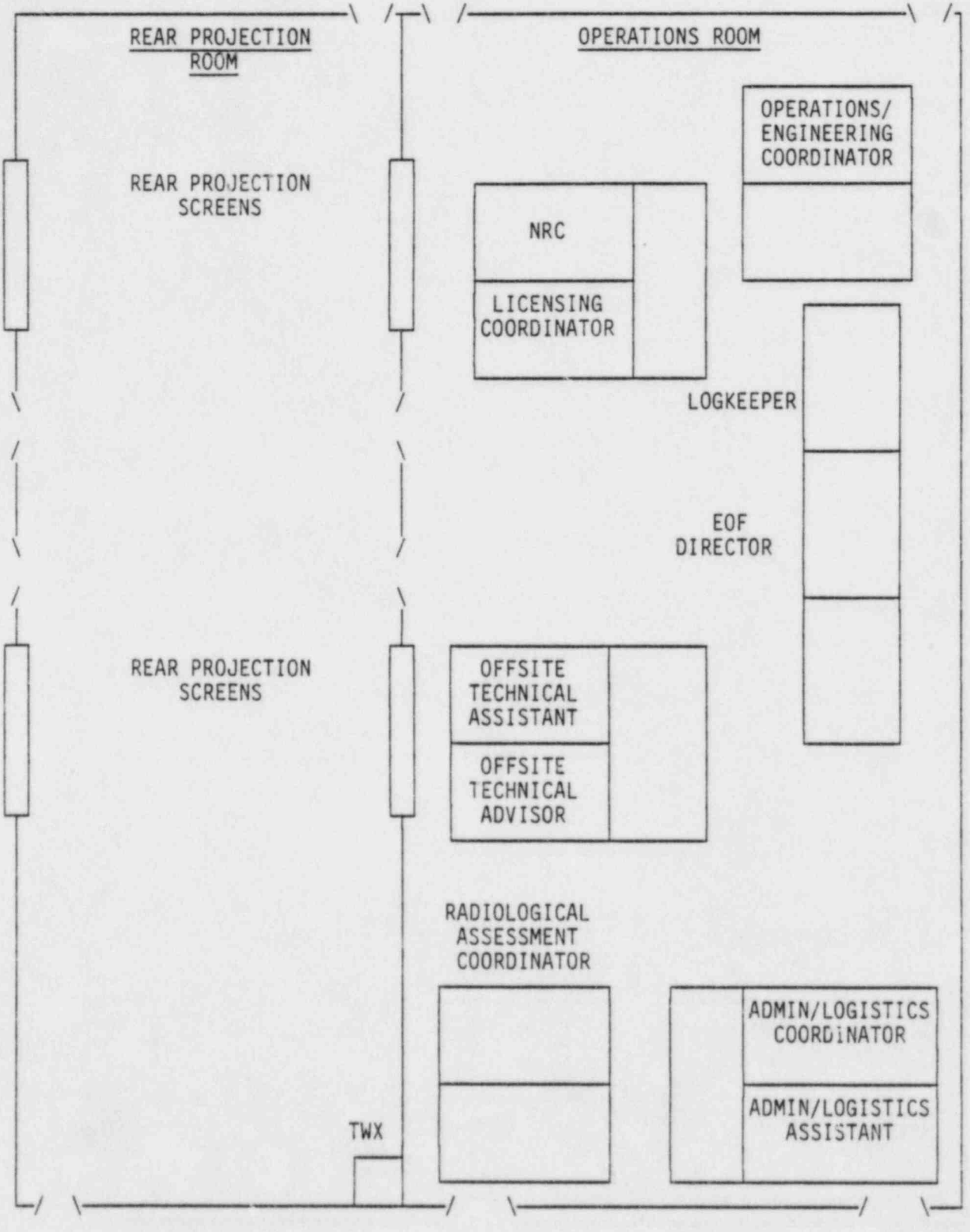
7.8 Off Site Staging of Support/Relief Personnel

7.9 EOF Emergency Diesel Generator

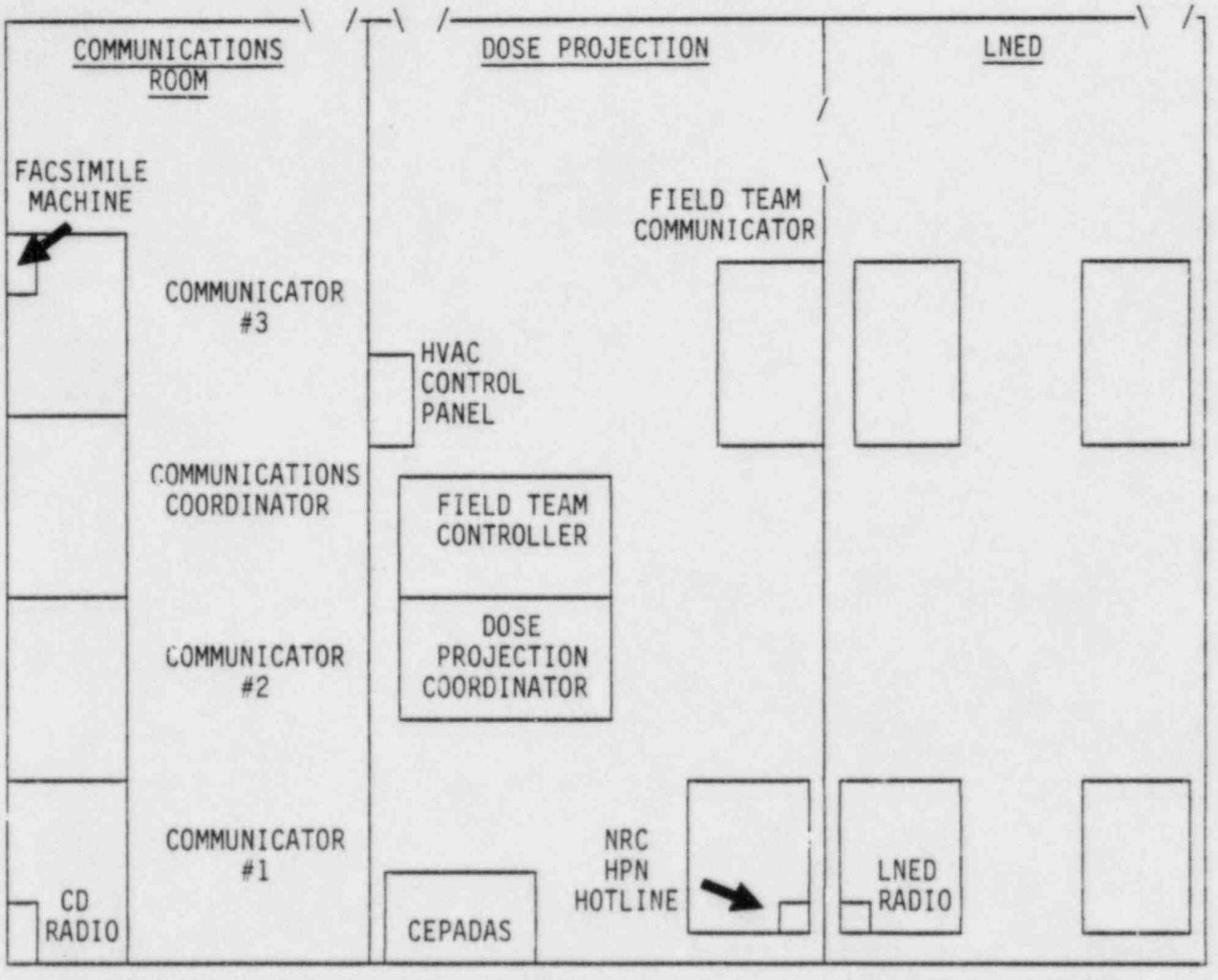
EOF FLOOR PLAN AND EQUIPMENT LOCATIONS



EOF FLOOR PLAN AND EQUIPMENT LOCATIONS



EOF FLOOR PLAN AND EQUIPMENT LOCATIONS



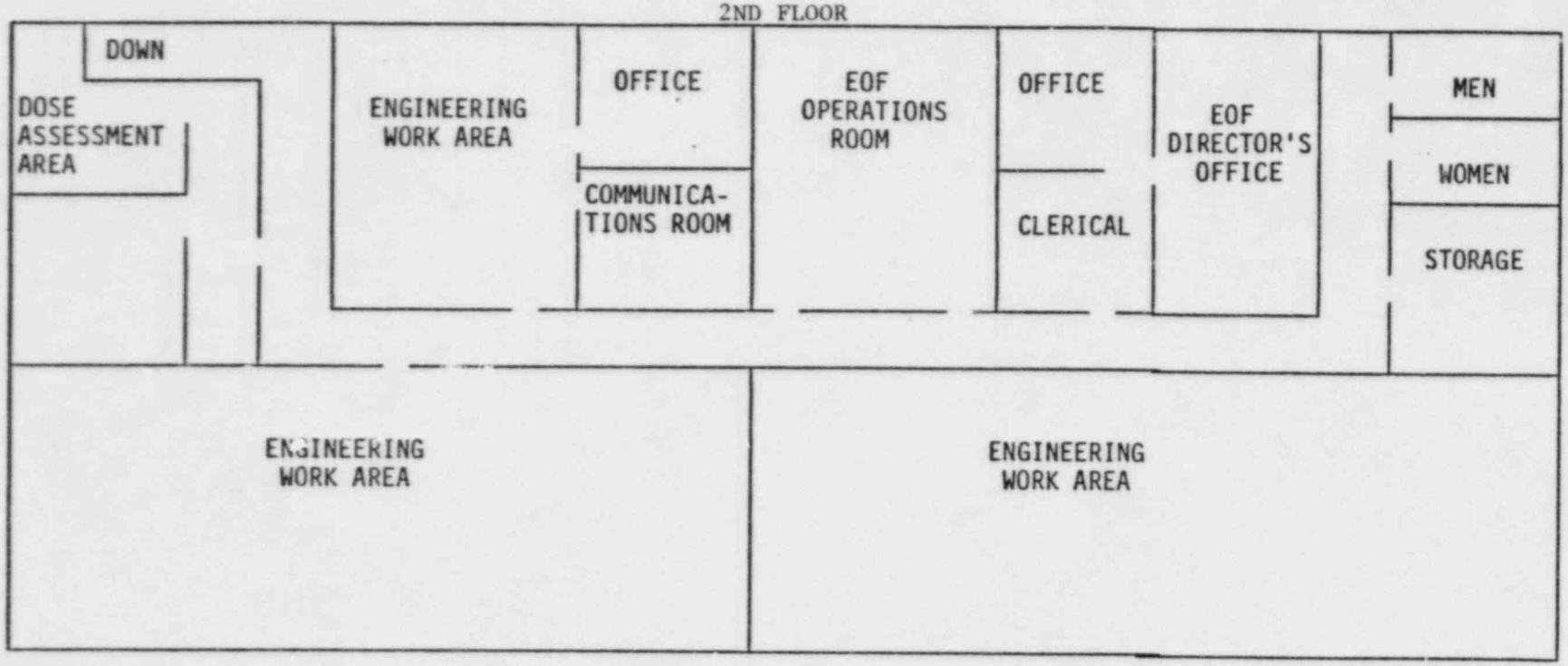
EOF PERSONNEL DOSIMETRY LOG

	Name	Date Issued	Pocket Dosimeter#	Reading In	Reading Out	Issue Time	Collection Time	TLD# (Other)	Remarks
1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									
11.									
12.									
13.									
14.									
15.									

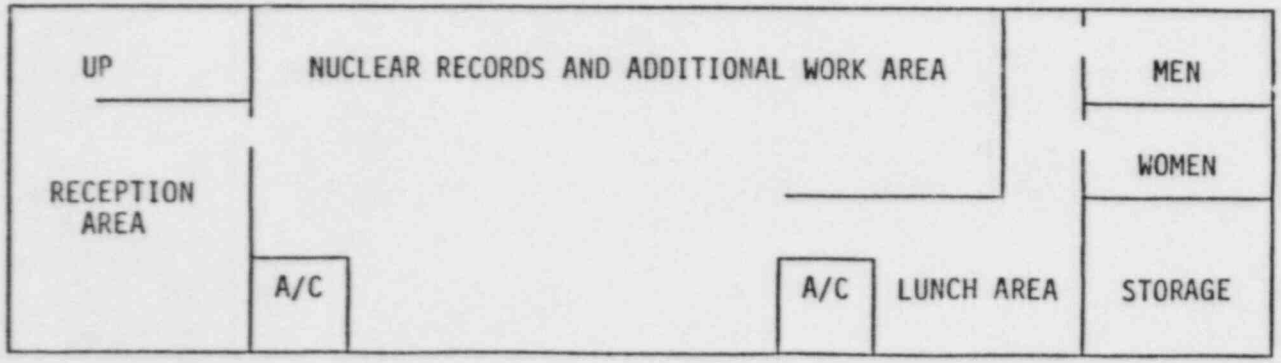
Radiological Assessment Coordinator

BACKUP EOF FLOOR PLAN & EQUIPMENT LOCATIONS

2ND FLOOR



1ST FLOOR



EOF ACCOUNTABILITY

Page (3) three of this attachment shall be maintained by the Administration/ Logistics Coordinator or his/her designate in accordance with the following guidelines.

1.) All EOF personnel leaving the Energy Education Center/EOF Building shall sign out. Personnel departing the facility and the site shall not sign out, but shall be instructed not to enter any other structure before exiting the Security Gate House.

2.) Individuals that sign out shall indicate their task and be assigned a point to call back into to verify their status at a given frequency based on current conditions (15 minutes is a guideline).

3.) Individuals returning to the EOF shall sign in.

4.) Personnel that are over due, shall be identified to the EOF Director by name and badge. Who in turn shall request assistance from the TSC in locating the individual.

BACKUP EOF ACTIVATION

A. This section is provided in the form of a checklist for the EOF Director when evacuating the EOF. Other EOF personnel should use this section to ensure the activities in their areas of responsibility necessary for deactivation of the EOF and activation of the Backup EOF are completed.

1.) Contact the Emergency Coordinator and advise of the decision to evacuate/activate the Backup EOF.

2.) If there is time and manning capabilities exist, activate the Backup EOF with personnel not currently manning the EOF (call-outs).

3.) If activities must be turned over to the TSC in order to evacuate (communications, field monitoring team direction, offsite dose projections, etc.) ensure these turnover activities are accomplished in accordance with appropriate procedures.

4.) Ensure offsite agencies are notified of the evacuation, a new plant contact phone number given (TSC) and that communications are to be turned over to the TSC.

5.) Ensure completed documentation, Emergency Management Resources Books, position notebooks and procedures, facilities logs and other resources as needed (engineering drawings, etc.) are transported to the Backup EOF.

6.) Ensure EOF activities are formally transferred to the TSC and offsite agencies, Emergency Director and other appropriate organizations notified.

7.) Conduct the evacuation - consideration should be given to car pooling to the Backup EOF, ensure personnel avoid hazardous areas while evacuating, and when appropriate request parish assistance in moving to the Backup EOF (police escort).

8.) Ensure the appropriate steps of this procedure are repeated to activate the Backup EOF including turnover of activities from the TSC.

9.) Use Attachment 7.3, Backup EOF Floor Plan and Equipment Locations as a guide to accomplish the activities in Step 8 above.

B. It may be necessary to staff the Backup EOF directly without first activating the EOF. In such a case, steps 8 and 9 above are applicable and this procedure should be used for Backup EOF operations as it would for operations in the EOF.

EOF WATCH BILL FORM

Continuous manning capability of the EOF may be provided through providing qualified personnel for each of three shifts. The Emergency Management Resources Book may be used as a reference. The Administration/Logistics Coordinator will normally have responsibility for setting up this schedule. (Names of personnel assigned to each shift, should be put in the blanks and the period for the schedule indicated on the attached sheets) and contacting assignees.

As directed by the EOF Director, schedules and personnel assignments may be adjusted (i.e. 2-shift personnel assignments as opposed to 3 shifts).

All schedules shall be signed by the EOF Director, posted in the facility and copies distributed to affected personnel.

NOTE

The attached sheets only provide a guide on setting up continuous operations. The EOF Director decides which positions for each shift shall be filled and hours to be worked.

Period of This Schedule: From _____ To _____

_____
EOF Director

EOF DIRECTOR
0800-1630 _____
1600-0030 _____
0000-0830 _____

RADIOLOGICAL ASSESSMENT COORD.
0800-1630 _____
1600-0030 _____
0000-0830 _____

OPERATIONS/ENGINEERING COORD.
0800-1630 _____
1600-0030 _____
0000-0830 _____

OFFSITE TECHNICAL ADVISOR
0800-1630 _____
1600-0030 _____
0000-0830 _____

EOF LOGKEEPER
0800-1630 _____
1600-0030 _____
0000-0830 _____

NUCLEAR ENGINEER
0800-1630 _____
1600-0030 _____
0000-0830 _____

I&C ENGINEER
0800-1630 _____
1600-0030 _____
0000-0830 _____

FIELD TEAM CONTROLLER
0800-1630 _____
1600-0030 _____
0000-0830 _____

ADMINISTRATION/LOGISTICS COORD.
0800-1630 _____
1600-0030 _____
0000-0830 _____

COMMUNICATIONS COORDINATOR
0800-1630 _____
1600-0030 _____
0000-0830 _____

LICENSING COORDINATOR
0800-1630 _____
1600-0030 _____
0000-0830 _____

OFFSITE TECHNICAL ASSISTANT
0800-1630 _____
1600-0030 _____
0000-0830 _____

ADMINISTRATIVE ASSISTANTS
0800-1630 _____
1600-0030 _____
0000-0830 _____

ELECTRICAL ENGINEER
0800-1630 _____
1600-0030 _____
0000-0830 _____

MECHANICAL ENGINEER
0800-1630 _____
1600-0030 _____
0000-0830 _____

DOSE PROJECTION COORDINATOR
0800-1630 _____
1600-0030 _____
0000-0830 _____

Period of This Schedule: From _____ To _____

_____
EOF Director

FIELD TEAM COMMUNICATOR
0800-1630 _____
1600-0030 _____
0000-0830 _____

STATE TECHNICAL ADVISOR
0800-1630 _____
1600-0030 _____
0000-0830 _____

ST. JOHN TECHNICAL ADVISOR
0800-1630 _____
1600-0030 _____
0000-0830 _____

COMMUNICATORS
0800-1630 _____
_____
_____
1600-0030 _____
_____
_____
0000-0830 _____
_____
_____

CCC TECHNICAL ADVISOR
0800-1630 _____
1600-0030 _____
0000-0830 _____

ST. CHARLES TECHNICAL ADVISOR
0800-1630 _____
1600-0030 _____
0000-0830 _____

TECHNICAL SPOKESPERSON
0800-1630 _____
1600-0030 _____
0000-0830 _____

EOF HVAC OPERATION

NOTE
The one line Diagram on Page 4 of 4 of this Attachment shows the flow paths for the different operating modes.

The HVAC System in the EOF Building has the capability to operate in any one of four (4) modes as described below:

1. NORMAL MODE: In the Normal Mode of operation two (2) return air fans (RF-1 & RF-2) take air from within the building and exhaust to the intake of the supply fans (SF-1 & SF-2). Outside air is also supplied to the intake duct. Supply fan SF-2 exhausts to the EOF, while supply fan SF-1 exhausts to the training and public relations portions of the building.

2. LOSS OF OFF-SITE POWER MODE: In the event of a power failure, the Emergency Diesel Generator will automatically start and supply power to return air fan RF-2, supply Fan SF-2, one air conditioning compressor and one aftercooler. The dampers will automatically align to circulate outside air and return air to the EOF portion of the building.

3. PRESSURIZED MODE: The Pressurized Mode will normally be automatically actuated by a signal from the Radiation Monitors in the outside air and return air intakes, although it can be manually selected at the HVAC Control Panel in the Dose Projection Room. In this mode Recirc Fan RCF-1 starts and all outside air will now pass thru the HEPA & charcoal filters. The Recirc Fan also serves to provide a net positive pressure on the EOF. Supply Fan SF-1 will shut off and the dampers will align to supply filtered air to the EOF portion of the building.

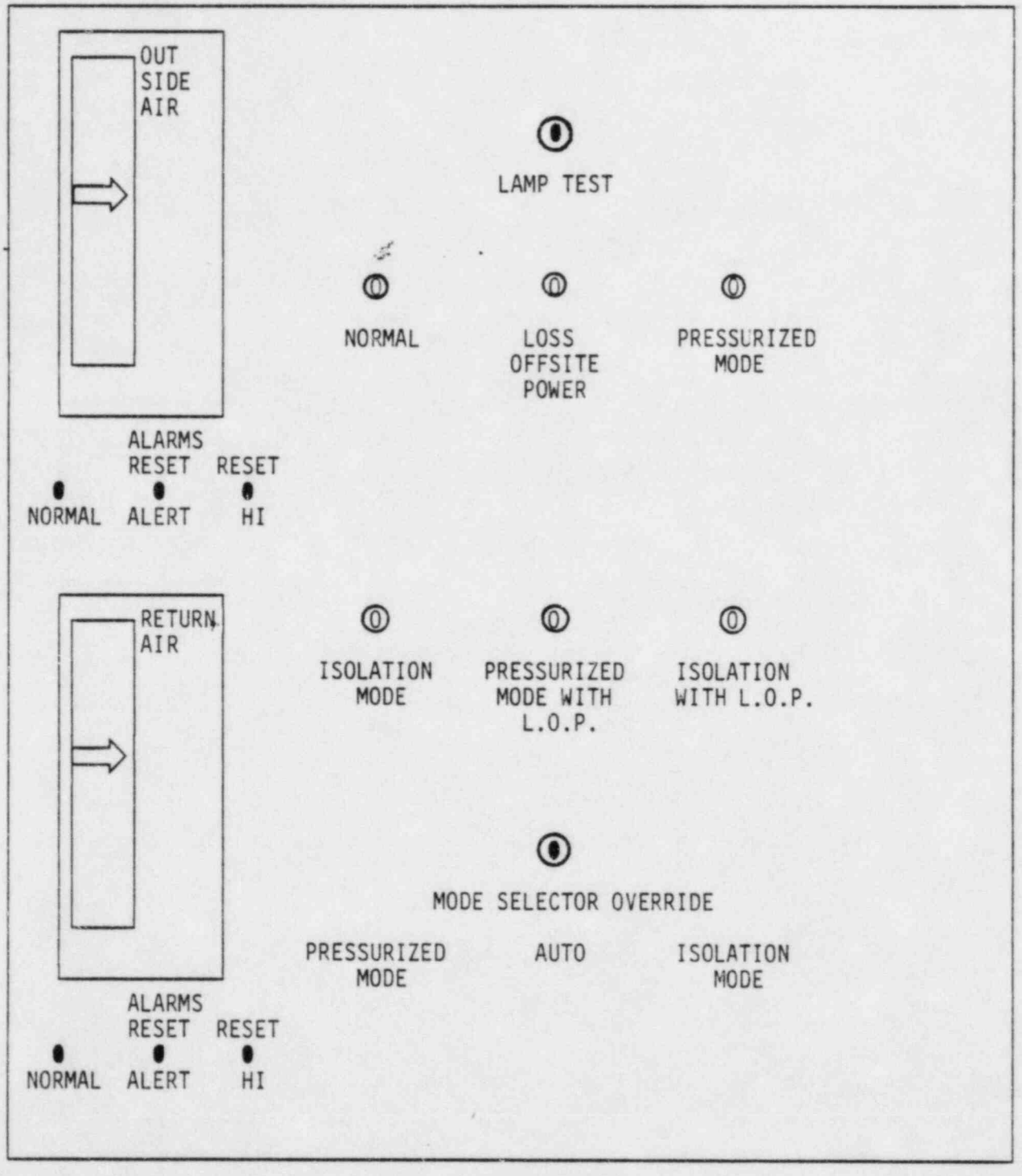
   As stated above, the Pressurized Mode can be initiated automatically or manually. However, when the radiation problem has subsided, the system must be manually returned to the normal mode of operation at the Remote Control Panel as follows:

   a) Place the Mode Selector Override Switch in the AUTO Position.
   b) Reset the Radiation Monitor Signal by pressing the Reset Buttons located below the monitors.
   c) The HVAC System should return to the Normal Mode.

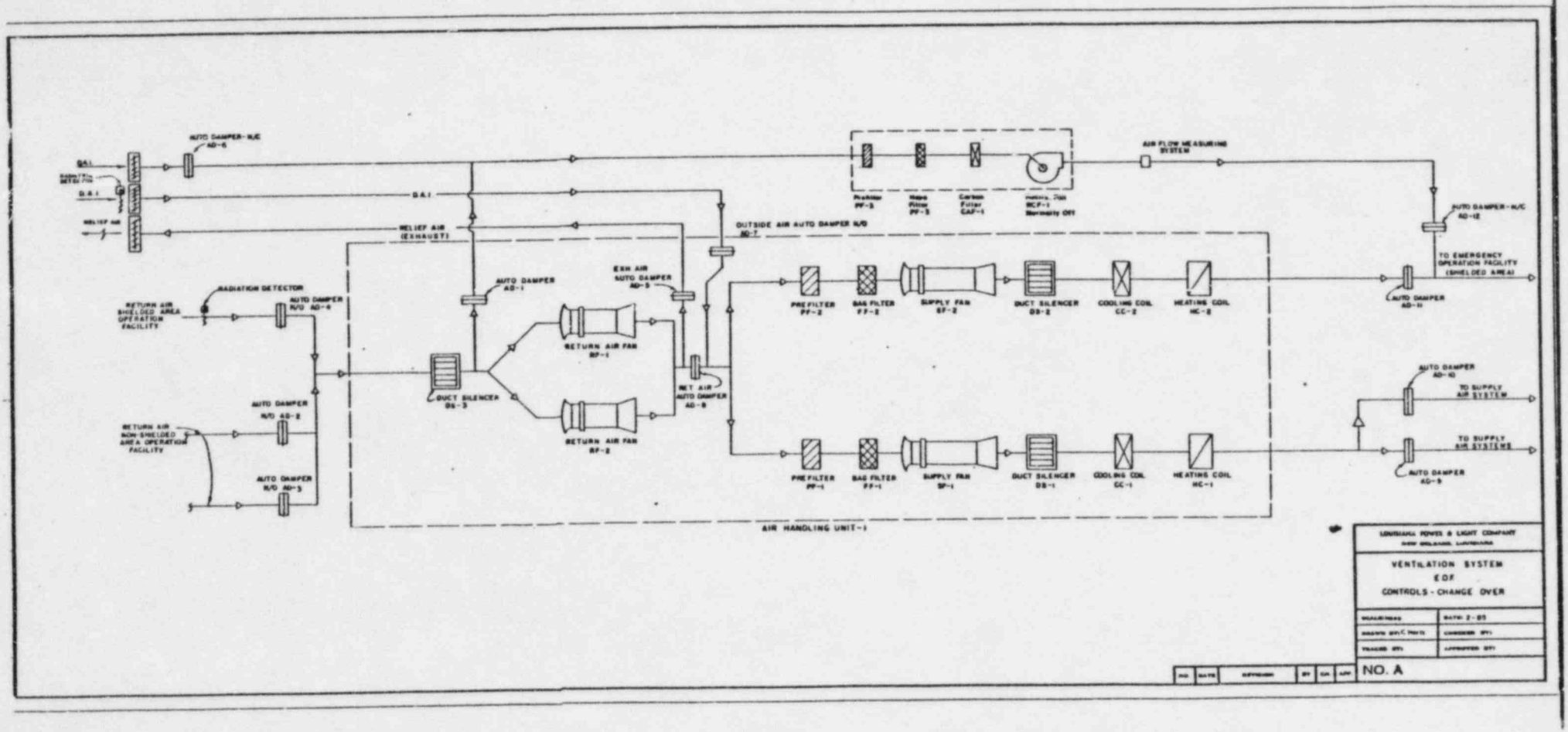
4. ISOLATION MODE: The Isolation Mode can only be initiated manually at the Remote Control Panel in the Dose Projection Room by placing the Mode Selector Override Switch in the ISOLATION MODE position. In this mode all Outside Air Dampers are secured. Return Air Fans RF-1 & RF-2, Supply Fan SF-2 and Recirc Fan RCF-1 will be operating to recirculate the air and maintain a positive pressure within the EOF.

   When the Radiation problem has subsided the system must be manually returned to the normal mode of operation as discussed in Sections 3.a,b, and c above.

HVAC REMOTE CONTROL PANEL



EOF HVAC OPERATION



Off Site Staging of Support/Relief Personnel

The following guidance is provided to address the staging of personnel and their subsequent access to the plant site during an ongoing emergency situation.

A. Parish Road Block Access

1. Any Company employee with a valid drivers license and a St. Charles Parish Emergency Access Card will be allowed access to the Parish Restricted Area.

> NOTE
>
> St. Charles Parish takes NO responsibility for personnel entering a Parish Restricted Area.

2. Personnel described in A.1 above may escort personnel into the Parish Restricted Area.

3. Arrangements can be made through the St. Charles Parish Emergency Operations Center (EOC) for employee access on a case by case basis.

B. Parish Restricted Area Access Considerations

1. St. Charles Parish takes NO responsibility for personnel entering a Parish Restricted Area. Therefore it is important that a safe route is established for the employee to use through the Parish Restricted Area and the appropriate access point is selected.

2. Evaluate the situation and coordinate with the St. Charles Parish EOC to determine the appropriate point of access to the Parish Restricted Area.

3. Provide the responding individuals with detailed information for accessing the Parish Restricted Area. Instructions should include, but are not limited to:

   a. Recommended route to the selected access to the Parish Restricted Area.
   b. Parish Restricted Area access point.
   c. Recommended route to the plant from the Parish Restricted Area access point.
   d. Plant site access point.
   e. Site phone number to call into for additional information.
   f. Description of hazards that may exist within the Parish Restricted Area.

4. Should the situation change, coordinate with the St. Charles Parish EOC to stop personnel at the designated road block and re-direct them if appropriate to the new access point.

Off Site Staging of Support/Relief Personnel
(CONT'D)

5. Advise W3 - Security of the pending arrival of personnel by name.

6. For access from upriver, coordination with St. John the Baptist EOC may be required. Also access to the Edgard ferry may be arranged through the St. John the Baptist EOC.

C. Long Term Considerations

1. Use LP&L Luling or Reserve District offices or other appropriate location, as a staging point for responding personnel.

2. Consider using the Assembly Area Supervisor as the coordinator for this staging area.

3. Access to the Luling or Reserve District Offices can be obtained by calling Customer Service and requesting the "Duty Man" to unlock the selected staging point on weekends, holidays and after hours. Arrangement can also be made through the Corporate Command Center.

4. Consideration should be made to minimize the number of vehicles travelling to and from the plant site. The use of car pools, company vans and commercial buses is recommended.

EOF Emergency Diesel Generator

A. Alarms/Indicating Lights

		Color	Function	Set/pt.	Location
1)	Generating	Green	Indication	N/A	Electrical Room
2)	Over Crank	Red	Shutdown	>75 sec	Electrical Room and Generator Enclosure
3)	Overspeed	Red	Shutdown	2010 rpm	Electrical Room and Generator Enclosure
4)	LO Oil Press.	Red	Shutdown	14 psi	Electrical Room and Generator Enclosure
5)	HI ENG. TEMP.	Red	Shutdown	205°F	Electrical Room and Generator Enclosure
6)	LO ENG. TEMP.	Red	Indication	~85°F	Electrical Room and Generator Enclosure
7)	LO BAT VOLT	Red	Indication	25±2 Vdc	Electrical Room
8)	HI BAT VOLT	Red	Indication	30 Vdc	Electrical Room

B. Power Transfer

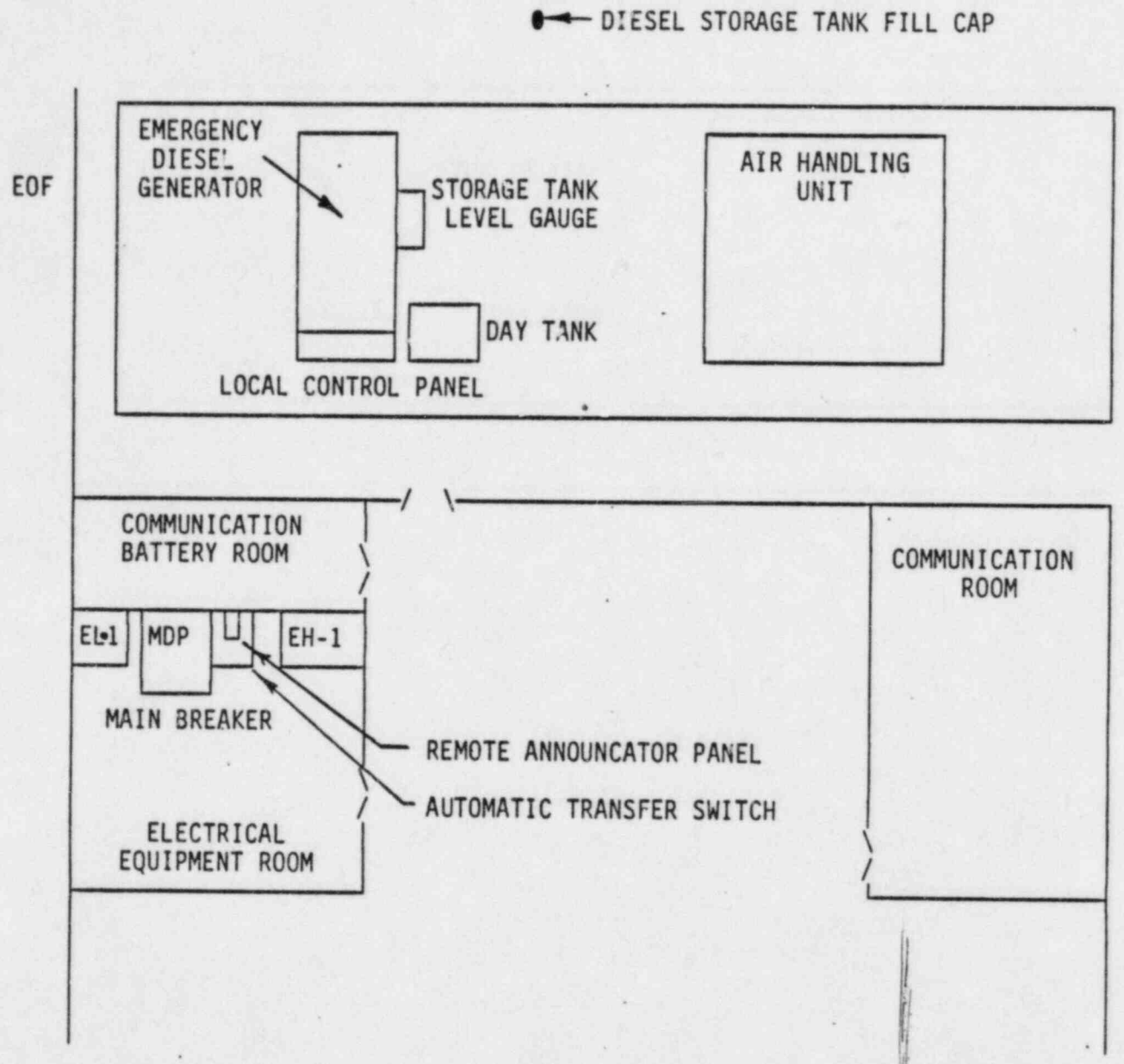
1) Loss of normal power, start signal sent to Emergency Diesel Generator.

2) Approximately 2-5 seconds Emergency Diesel Generator loads with emergency loads.

3) When power is regained, the Emergency Diesel Generator continues to carry the emergency loads for 5 minutes before automatically transferring back to the normal power supply.

4) The Emergency Diesel Generator will continue to run for 5 minutes to cool down the unit before it automatically shuts down.

> NOTE
>
> The Emergency Diesel Generator automatically exercises itself for 30 minutes each week. The unit can be exercised loaded or unloaded.


DIESEL STORAGE TANK FILL CAP
EOF
EMERGENCY DIESEL GENERATOR
STORAGE TANK LEVEL GAUGE
DAY TANK
LOCAL CONTROL PANEL
AIR HANDLING UNIT
COMMUNICATION BATTERY ROOM
EL-1
MDP
EH-1
MAIN BREAKER
REMOTE ANNOUNCATOR PANEL
AUTOMATIC TRANSFER SWITCH
ELECTRICAL EQUIPMENT ROOM
COMMUNICATION ROOM