

Date Entered: Dec 09, 2002

TO: USNRC/WASHINGTON  
JMCKNIGHT Copy Number: 145

TRANSMITTAL NUMBER: 231727

PROCEDURE NUMBER: EI-4.3

TITLE: EMERGENCY OPERATIONS FACILITY ACTIVATION

TRANSMITTAL: LISTED BELOW ARE NEW/REVISED PROCEDURES WHICH MUST BE IMMEDIATELY INSERTED INTO OR DISCARDED FROM YOUR PROCEDURE MANUAL.

Action Required	Section or Description
REMOVE AND DESTROY	EI-4.3, R/13, ENTIRE PROCEDURE
REPLACE WITH	EI-4.3, R/14, ENTIRE PROCEDURE

*SIGN, DATE, AND RETURN THE ACKNOWLEDGEMENT FORM WITHIN 10 DAYS TO THE PALISADES PLANT DOCUMENT CONTROL.*

SIGNATURE OR INITIALS

DATE

\_\_\_\_\_

\_\_\_\_\_

A045

**PALISADES NUCLEAR PLANT**  
**EMERGENCY IMPLEMENTING PROCEDURE**

**TITLE: EMERGENCY OPERATIONS FACILITY ACTIVATION**

 / 12/6/02  
**Procedure Sponsor** **Date**

BTaylor / 12/2/02  
**Technical Reviewer** **Date**

CRitt / 12/5/02  
**User Reviewer** **Date**

**TITLE: EMERGENCY OPERATIONS FACILITY ACTIVATION**

---

**Table of Contents**

<b>1.0</b>	<b>PURPOSE.....</b>	<b>1</b>
<b>2.0</b>	<b>REFERENCES.....</b>	<b>1</b>
<b>2.1</b>	<b>REFERENCE DOCUMENTS .....</b>	<b>1</b>
<b>3.0</b>	<b>DEFINITIONS.....</b>	<b>2</b>
<b>3.1</b>	<b>ACTIVATION .....</b>	<b>2</b>
<b>3.2</b>	<b>OPERATIONAL SUPPORT TEAM.....</b>	<b>2</b>
<b>3.3</b>	<b>OPERATIONAL FACILITY .....</b>	<b>2</b>
<b>3.4</b>	<b>COMMAND AND CONTROL.....</b>	<b>2</b>
<b>3.5</b>	<b>FULLY OPERATIONAL.....</b>	<b>2</b>
<b>3.6</b>	<b>EMERGENCY OPERATIONS FACILITY .....</b>	<b>2</b>
<b>3.7</b>	<b>NRC FACILITY LIAISON.....</b>	<b>3</b>
<b>4.0</b>	<b>INITIAL CONDITIONS AND/OR REQUIREMENTS .....</b>	<b>3</b>
<b>5.0</b>	<b>PROCEDURE .....</b>	<b>3</b>
<b>6.0</b>	<b>ATTACHMENTS .....</b>	<b>3</b>
<b>7.0</b>	<b>SPECIAL REVIEWS .....</b>	<b>4</b>

**ATTACHMENTS**

Attachment 1,	"Emergency Operations Facility Director"
Attachment 1.1,	"Emergency Operations Facility Status Updates"
Attachment 2,	"Emergency Operations Facility Communication Support Team"
Attachment 2.1,	"Emergency Telephone Numbers"
Attachment 2.2,	"Additional Emergency Support Request"
Attachment 3,	"Emergency Operations Facility Health Physics Support Team"
Attachment 4,	"Emergency Operations Facility Engineering Support Team"
Attachment 4.1,	"Additional Emergency Support Request"
Attachment 5,	"Emergency Operations Facility Governmental Liaison"
Attachment 6,	"Emergency Operations Facility Public Affairs"
Attachment 7,	"Emergency Operations Facility Emergency Planner"
Attachment 8,	"Emergency Operations Facility Administrative Support Team"
Attachment 8.1,	"Emergency Operations Facility Floor Plan"
Attachment 8.2,	"Nuclear Management Company Emergency Response Sign In"
Attachment 9,	"Security Officer Instructions"
Attachment 10,	"Emergency Operations Facility Organization"
Attachment 11,	"Mutual Assistance Agreement Between Detroit Edison, Nuclear Management Company, and Indiana Michigan Power Company"

**TITLE: EMERGENCY OPERATIONS FACILITY ACTIVATION**

**USER ALERT**  
**REFERENCE USE PROCEDURE**

Refer to the procedure periodically to confirm that all procedure segments of an activity will be or are being performed. Where required, sign appropriate sign-off blanks to certify that all segments are complete.

**1.0 PURPOSE**

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

**2.0 REFERENCES**

**2.1 REFERENCE DOCUMENTS**

- 2.1.1 Emergency Implementing Procedure EI-1, "Emergency Classification and Actions"
- 2.1.2 Emergency Implementing Procedure EI-1.1, "Emergency Response to Credible Security Threats"
- 2.1.3 Emergency Implementing Procedure EI-3, "Communications and Notifications"
- 2.1.4 Emergency Implementing Procedure EI-5.1, "Recovery"
- 2.1.5 Emergency Implementing Procedure EI-8, "Onsite Radiological Monitoring"
- 2.1.6 Emergency Implementing Procedure EI-9, "Offsite Radiological Monitoring"
- 2.1.7 Emergency Implementing Procedure EI-10, "Accident Environmental Assessment"
- 2.1.8 Palisades Administrative Procedure 3.01, "Plant Review Committee"

**TITLE: EMERGENCY OPERATIONS FACILITY ACTIVATION**

---

**3.0 DEFINITIONS**

**3.1 ACTIVATION**

Process by which the EOF is staffed and prepared for operation.

**3.2 OPERATIONAL SUPPORT TEAM**

Status of support team following assumption of responsibilities.

**3.3 OPERATIONAL FACILITY**

Status of the EOF following assumption of command and control.

**3.4 COMMAND AND CONTROL**

Resides with the EOF Director following assumption of overall authority for Nuclear Management Company (NMC) emergency response. At minimum, this individual will assume responsibility for event classification, dose assessment, protective action recommendations, and notification of offsite authorities.

**3.5 FULLY OPERATIONAL**

Status of the EOF following assumption of all responsibilities.

**3.6 EMERGENCY OPERATIONS FACILITY**

EOF consists of Support Room and Main Room located in the Manorside Building. Additionally, EOF consists of the Manor House (first floor) to accommodate the NRC, if necessary. See Attachment 8.1, pages 1 through 6 for layout.

**TITLE: EMERGENCY OPERATIONS FACILITY ACTIVATION**

**3.7 NRC FACILITY LIAISON**

Personnel who possess a broad knowledge of the Palisades Plant and can assist the NRC with securing pertinent information with regard to the emergency. The responsibilities could include interfacing with plant management and/or facility lead personnel, ensuring timely updates of the emergency are made available, answering questions and concerns expressed by the NRC and ensuring NRC personnel have a smooth transition into their assigned facility.

Personnel would be assigned on an as needed basis and support the Technical Support Center, the Emergency Operations Facility and the Joint Public Information Center.

There is no specific ERO training required for this position.

**4.0 INITIAL CONDITIONS AND/OR REQUIREMENTS**

4.1 The Plant must be at Alert, Site Area Emergency, or General Emergency before initiation of this procedure.

**5.0 PROCEDURE**

The attachments to this procedure define the responsibilities of the Emergency Operations Facility staff, and provides guidance on tasks to be performed. Individuals assigned as team leaders or to specific identified roles should ensure the attachment checklists are utilized.

**6.0 ATTACHMENTS**

- 6.1 Attachment 1, "Emergency Operations Facility Director"  
Attachment 1.1, "Emergency Operations Facility Status Updates"
- 6.2 Attachment 2, "Emergency Operations Facility Communication Support Team"  
Attachment 2.1, "Emergency Telephone Numbers"  
Attachment 2.2, "Additional Emergency Support Request"
- 6.3 Attachment 3, "Emergency Operations Facility Health Physics Support Team"
- 6.4 Attachment 4, "Emergency Operations Facility Engineering Support Team"  
Attachment 4.1, "Additional Emergency Support Request"
- 6.5 Attachment 5, "Emergency Operations Facility Governmental Liaison"
- 6.6 Attachment 6, "Emergency Operations Facility Public Affairs"

**TITLE: EMERGENCY OPERATIONS FACILITY ACTIVATION**

---

- 6.7 Attachment 7, "Emergency Operations Facility Emergency Planner"
- 6.8 Attachment 8, "Emergency Operations Facility Administrative Support Team"  
Attachment 8.1, "Emergency Operations Facility Floor Plan"  
Attachment 8.2, "Nuclear Management Company Emergency Response Sign In"
- 6.9 Attachment 9, "Security Officer Instructions"
- 6.10 Attachment 10, "Emergency Operations Facility Organization"
- 6.11 Attachment 11, "Mutual Assistance Agreement Between Detroit Edison, Nuclear Management Company, and Indiana Michigan Power Company"

**7.0 SPECIAL REVIEWS**

The scope of this procedure does not include activities that require a 50.59 review. However, the Palisades Site Emergency Plan does require that revisions to this procedure be reviewed and approved by the Plant Review Committee (PRC), in accordance with Palisades Administrative Procedure 3.01, "Plant Review Committee."

**TITLE: EMERGENCY OPERATIONS FACILITY DIRECTOR**

**RESPONSIBILITIES**

The EOF Director:

1. Has overall responsibility for the entire Nuclear Management Company (NMC) emergency response.
2. Shall have authority to approve any actions or requests for additional assistance.
3. Serves as the primary liaison between the Plant and offsite organizations.

**ACTIVATION**

1. \_\_\_\_\_ Establish and maintain a log of key activities. (Attachment 1.1, "Emergency Operations Facility Status Updates," may be used to track updates.)
2. \_\_\_\_\_ Sign in on the "EOF Emergency Response Staff" status board.
3. \_\_\_\_\_ Ensure incoming responders have noted their attendance on the status board.

**NOTE:** For EOF response to security-related events, see EI-1.1, "Emergency Response to Credible Security Threats."

4. \_\_\_\_\_ Establish communications with Site Emergency Director (SED) and:
  - a. Determine extent of emergency situation and what actions have been taken to mitigate the emergency.
  - b. Determine which emergency priorities have been set by the SED.
  - c. Synchronize EOF clocks with Control Room clock.
  - d. Ensure appropriate placards for the emergency classification and Command and Control are in place.
5. \_\_\_\_\_ Announce there will be no eating or drinking in the facility until habitability is completed.
6. Assemble the Support Team Leaders and:
  - \_\_\_\_\_ a. Conduct a briefing on the emergency situation, Plant status, and actions taken by the Plant to mitigate the emergency.
  - \_\_\_\_\_ b. Assure that a sufficient support staff has been or will be summoned to the Emergency Operations Facility.
  - \_\_\_\_\_ c. Instruct the Support Team Leaders to prepare to assume responsibility for assigned function.
7. \_\_\_\_\_ As the County Emergency Operation Centers are activated, dispatch the Governmental Liaisons to their respective facility.

**TITLE: EMERGENCY OPERATIONS FACILITY DIRECTOR**

---

8. As specific teams are prepared to perform their functions:
    - \_\_\_\_\_ a. Consult with the SED to transfer responsibilities for that specific team.
    - \_\_\_\_\_ b. Announce to the EOF staff when that team assumes responsibility for that function.
  9. Command and control may be transferred when the EOF Director is prepared to assume responsibility for the following functions (at a minimum; Communications, Health Physics/Dose Assessor):
    - \_\_\_\_\_ a. Emergency classification,
    - \_\_\_\_\_ b. Protective action recommendations,
    - \_\_\_\_\_ c. Dose assessment, and
    - \_\_\_\_\_ d. Offsite notifications.
  10. \_\_\_\_\_ Ensure all teams have indicated their readiness on the status board.
  11. \_\_\_\_\_ In consultation with the SED and EOF Communications Team Lead, assume Command and Control. Have SED in the TSC make an announcement in the TSC and OSC the EOF is activated and the EOF Director has Command and Control of the emergency.
- NOTE:** Coordinate timing of turnover with Communications Team Leader so that turnover does not conflict with timing of notifications.
12. \_\_\_\_\_ Announce to the EOF staff that the facility is fully operational and the EOF Director has Command and Control, and ensure Command and Control sign reflects EOF Director.
  13. \_\_\_\_\_ Brief facility staff on status of the emergency.
  14. \_\_\_\_\_ Coordinate timing of facility briefings
    - \_\_\_\_\_ a. To coincide with the TSC/OSC facility briefings, if possible.
    - \_\_\_\_\_ b. Ensure facility briefings do not impede communications to the State, ie, Notification Form update.
    - \_\_\_\_\_ c. Periodically address issues identified on EOF Briefing Checklist, Job Aid EOF-001.

**TITLE: EMERGENCY OPERATIONS FACILITY DIRECTOR**

---

**OPERATIONAL**

1. Maintain Attachment 1.1, "Emergency Operations Facility Status Updates."
2. Perform emergency classification in accordance with Emergency Implementing Procedure EI-1, "Emergency Classification and Actions."

**NOTE:** Upgrade to General Emergency classification with the appropriate Protective Action Recommendation (PAR) shall be personally provided to the State Director when the State EOC is operational. The telephone number for the State Director is (517) 336-2699.

- a. All further changes in emergency classification should be coordinated with the SED.
  - b. Ensure the emergency classification placards are updated as the classification changes.
3. Provide protective action recommendations to offsite authorities:
    - a. Review and approve protective action recommendations recommended by the Health Physics Support and Engineering Support Teams.
    - b. Personally provide initial and revised protective action recommendations to the State Director when the State EOC is operational.

**NOTE:** The Site Emergency Director (SED) is responsible for establishing and maintaining emergency priorities pertinent to the plant and mitigation of the accident. Emergency priorities related to offsite response should be identified by the EOF Director and communicated to the SED.

4.  Review emergency priorities and revise as needed.
5.  Review and approve all information transmitted to offsite authorities via the Notification Form. Review may be delegated to an assistant.
6.  Maintain communications with offsite authorities, particularly the State, brief them on actions undertaken at the Plant and EOF, and determine action being taken offsite.
7.  Maintain a line of communication to the SED.
8.  Authorize potassium iodine (KI) distribution per Emergency Implementing Procedure EI-9, "Offsite Radiological Monitoring," and concurrence with Health Physics.
9.  Review and approve news releases prepared at the Joint Public Information Center by Consumers Energy Public Affairs personnel.
10.  Provide all other assistance requested by the Site Emergency Director or the Palisades Vice President.

**RECOVERY**

The responsibilities of the EOF Director during the recovery phase of an emergency are addressed in Emergency Implementing Procedure EI-5.1, "Recovery."

**DEACTIVATION**

When the situation warrants, the Emergency Operations Facility will be deactivated. Close out all files and submit appropriate forms, records, and logs as directed by the EOF Administrative Support Team Leader.



**TITLE: EMERGENCY OPERATIONS FACILITY COMMUNICATION SUPPORT TEAM**

---

**RESPONSIBILITIES**

The Communication Support Team acts:

**NOTE:** This does not preclude support teams communicating to their counterparts at the Plant on technical matters.

1. As the official communicator between the EOF, the Plant and outside organizations.
2. Makes and records all official communications from the EOF to offsite authorities.

**ACTIVATION**

**NOTE:** For EOF response to security-related events, see EI-1.1, "Emergency Response to Credible Security Threats."

1. \_\_\_\_\_ Establish and maintain a log of key activities.
2. \_\_\_\_\_ Sign in on the "EOF Emergency Response Staff" status board.
3. Prepare for turnover by establishing a communication link with emergency response facility that has offsite communications responsibilities (either the Control Room or Technical Support Center) and review:
  - \_\_\_\_\_ a. Plant status
  - \_\_\_\_\_ b. All organizations contacted and obtain telephone numbers used to contact each organization
  - \_\_\_\_\_ c. All actions initiated by the organizations contacted
  - \_\_\_\_\_ d. Schedule to update the appropriate organizations
  - \_\_\_\_\_ e. Coordinate sequence of message numbers and time frame for notification
  - \_\_\_\_\_ f. Any other information pertinent to facilitating transfer of offsite notifications
4. \_\_\_\_\_ Establish communications with the following agencies.

**NOTE:** The State will direct whether the EOF or the State is responsible for notification of local authorities.

a. State of Michigan

Primary: Monitor telephone line 764-1285 which is an extension of the line used in the TSC for State notifications. Verify that if notifications are being made in a timely manner to State Operations, or that an open line has been established with the State Emergency Operations Center.

Alternate: (517) 336-6198

**TITLE: EMERGENCY OPERATIONS FACILITY COMMUNICATION SUPPORT TEAM**

---

b. NRC Emergency Notification System (ENS)

Primary: To operate: 1) lift receiver and listen for dial tone, 2) dial "1" followed by the 10 digit number listed on sticker located on telephone, 3) if no answer proceed to next 10 digit number (continue until contact is made with NRC).

Alternate: 1 - (301) 951-0550

5. When it is determined the following responsibilities can be adequately addressed, notify the EOF Director that the Communication Support Team is ready to assume responsibility for communication support.

- \_\_\_\_\_ a. Sufficient Communication Support Team members have arrived and notification of offsite authorities can be made by EOF personnel.
- \_\_\_\_\_ b. Personnel have been assigned to update the EOF Communications Status Board.
- \_\_\_\_\_ c. Sufficient equipment has been verified available and functional.
- \_\_\_\_\_ d. An operable communication line between the Emergency Operations Facility Communication Support Team and the Technical Support Center Communication group has been established.
- \_\_\_\_\_ e. Next message number and time are current on status board.
- \_\_\_\_\_ f. An operable communication link is available to those agencies listed in Step 4 above, and Attachment 2.1, "Emergency Telephone Numbers."

6. \_\_\_\_\_ Indicate on the "EOF Emergency Response Staff" status board that the Communication Support Team is ready.

7. Notify the following when the EOF Communication Support Team is operational and is prepared to assume responsibility.

- \_\_\_\_\_ a. Plant Technical Support Center.
- \_\_\_\_\_ b. State of Michigan and NRC.
- \_\_\_\_\_ c. Any other organizations as specified by the Technical Support Center Communicator.

**OPERATIONAL**

1. Communications Support Team Leader

- \_\_\_\_\_ a. Maintain a log of key decisions and activities.

**NOTE:** Initial notifications of a Protective Action Recommendation based upon dose calculations require that the Event Technical Data Sheet also be completed.

- \_\_\_\_\_ b. Ensure that the Event Notification Form is generated by the Health Physics Dose Assessor for initial notifications following an event classification and all Protective Action Recommendations.
- \_\_\_\_\_ c. Ensure that Health Physics Support has completed Items 6, 7 and 8 on the Event Notification Form.

**PALISADES NUCLEAR PLANT  
EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 2  
Revision 14  
Page 3 of 4

**TITLE: EMERGENCY OPERATIONS FACILITY COMMUNICATION SUPPORT TEAM**

---

**NOTE:** All Plant Messages are to be numbered sequentially, whether generating an Event Notification Form or an Event Technical Data Sheet.

- \_\_\_\_\_ d. Identify the Plant Message Number.
- \_\_\_\_\_ e. Complete Items 1, 3, 4, and 5 on the Event Notification Form.
- \_\_\_\_\_ f. Obtain EOF Director approval of the Event Notification Form, including date and time of approval.
- \_\_\_\_\_ g. Provide the approved Form to Administrative Support for copying, distribution and faxing.

**NOTE:** A General Emergency classification with the appropriate Protective Action Recommendation (PAR) shall be personally communicated by the EOF Director to the State Director ((517) 336-2699) when the State EOC is operational

- \_\_\_\_\_ h. Ensure that initial notifications to the State of Michigan (and Van Buren County, if necessary) are initiated within 15 minutes of an emergency declaration or development of a Protective Action Recommendation.
- \_\_\_\_\_ i. Ensure that the EOF Communications Status Board is maintained.
- \_\_\_\_\_ j. Ensure that the Health Physics Dose Assessor generates the Event Technical Data Sheet for follow-up notifications.
- \_\_\_\_\_ k. Ensure that Health Physics Support has completed Items 5, 6, and 7 on the Event Technical Data Sheet.
- \_\_\_\_\_ l. Complete Items 1, 3, and 4 on the Event Technical Data Sheet.
- \_\_\_\_\_ m. Obtain EOF Director approval of the Event Technical Data Sheet, including date and time of approval.
- \_\_\_\_\_ n. Provide the approved Data Sheet to Administrative Support for copying, distribution and faxing.
- \_\_\_\_\_ o. Ensure that follow-up notifications using the Event Technical Data Sheet are communicated to the State of Michigan approximately every 30 minutes.

**2. NRC Communicator**

- \_\_\_\_\_ a. Maintain a log of key activities.
- \_\_\_\_\_ b. Maintain a continuous open line with NRC.
- \_\_\_\_\_ c. Complete Item 2 on each notification form communicated to the NRC, including the time the notification was initiated.
- \_\_\_\_\_ d. All NRC requests for additional information should be routed through the Communications Support Team Leader or designate.

**TITLE: EMERGENCY OPERATIONS FACILITY COMMUNICATION SUPPORT TEAM**

---

3. State of Michigan Communicator

- \_\_\_\_\_ a. Maintain a log of key activities.
- \_\_\_\_\_ b. Upon request, maintain a continuous open line with the State Communicator.
- \_\_\_\_\_ c. Complete Item 2 on each notification form communicated to the State, including the time the notification was initiated.
- \_\_\_\_\_ d. All State requests for additional information should be routed through the Communications Support Team Leader or designate.

4. Remaining EOF Communicators

- \_\_\_\_\_ a. Maintain a log of key activities.
- \_\_\_\_\_ b. Utilize the EOF/TSC ring down phone to communicate with TSC Communication Support Team.
- \_\_\_\_\_ c. Maintain the EOF Communications Status Board.
- \_\_\_\_\_ d. Assist the Communications Support Team Leader and other EOF Communicators with requests for additional information from the NRC, State and County Liaisons. All requests for information, and the resulting responses, are to be documented.
- \_\_\_\_\_ e. As directed, complete Additional Notifications listed in Attachment 2.1, "Emergency Telephone Numbers."
- \_\_\_\_\_ f. If non-company emergency support is needed, contact the appropriate group listed in Attachment 2.1, "Emergency Telephone Numbers."
- \_\_\_\_\_ g. Use Attachment 2.2, "Additional Emergency Support Request," to document requests for non-company emergency support.

**DEACTIVATION**

When the situation warrants, the EOF will be deactivated. Agencies contacted during the emergency should be informed that the EOF is deactivated. Close out all communications as directed by the EOF Director. Close out all files and submit appropriate forms, records, and logs as directed by the EOF Administrative Support Team Leader.

**PALISADES NUCLEAR PLANT  
EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 2.1  
Revision 14  
Page 1 of 1

**TITLE: EMERGENCY TELEPHONE NUMBERS**

**ADDITIONAL NOTIFICATIONS:** Organizations to be notified and updated as conditions warrant:

- (1) Consumers Energy Legal Department 517-788-1257  
James Brunner
- (2) Consumers Energy Insurance Department 517-788-0714  
Director, Robert Frounfelker 517-782-3356 (night)
- (3) Nuclear Mutual Limited 302-888-3000  
Suite 1200  
Manufacturers Hanover Plaza  
1201 Market Street  
Wilmington, Delaware 19801
- (4) American Nuclear Insurers -860-561-3433

**NON-COMPANY SUPPORT**

- (1) Department of Energy, Radiological Assistance Team 630-252-4800
- (2) Institute for Nuclear Power Operations 800-321-0614 (Primary)  
770-644-8000 (Switchboard)  
770-644-8549 (Telecopier)  
770-644-8567 (Telecopier)  
770-644-8594 (Telecopier)
- (3) Electric Power Research Institute 415-855-2000
- (4) Bechtel Associates 301-417-4452  
Katherine Hann 301-253-3672 (night)
- (5) General Electric Co 408-971-1038 (24 hour)  
Note: Ask to be connected with the GE Emergency Support Program Duty Manager.
- (6) ABB - Combustion Engineering, Inc 860-285-9669 or  
860-285-9670
- (7) Framatome Technologies (24-Hour Maintenance) 804-832-3000 or  
804-832-2762
- (8) Westinghouse Electric 269-764-2004  
Jack Semelsberger 616-428-7076 (night)
- (9) Siemens Westinghouse 269-764-2745  
Tim Garvin 269-639-0345 (night)
- (10) Siemens, Richland, WA 509-375-8100
- (11) Sargent & Lundy Engineers 312-269-3886  
312-269-3737  
312-269-7777 (night)
- (12) Other Reference: INPO Emergency Resources Manual

**PALISADES NUCLEAR PLANT  
EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 2.2  
Revision 14  
Page 1 of 1

**TITLE: ADDITIONAL EMERGENCY SUPPORT REQUEST**

---

1. Date \_\_\_\_\_ Time \_\_\_\_\_
2. Name and title of person making request \_\_\_\_\_
3. Nature of emergency \_\_\_\_\_
4. Plant \_\_\_\_\_ Location \_\_\_\_\_
5. When the help is needed \_\_\_\_\_
6. Where the help is wanted \_\_\_\_\_
7. Work to be done \_\_\_\_\_
8. Where the help should report \_\_\_\_\_
9. The name and title of person to report to \_\_\_\_\_
10. Number of personnel requested \_\_\_\_\_
11. Classification of personnel \_\_\_\_\_
12. Estimated time duration for additional support \_\_\_\_\_
13. Equipment needed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
14. Material needed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
15. Services needed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
16. Other information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**TITLE: EMERGENCY OPERATIONS FACILITY HEALTH PHYSICS SUPPORT TEAM**

---

**RESPONSIBILITIES**

The Health Physics Support Team Leader is responsible for:

1. Coordinating with the EOF Director on PAR recommendation and updates.
2. Assisting the EOF Director in emergency classification.
3. Assuring the Health Physics Support Team actions are consistent with events occurring in the Plant.
4. Directing radiological sampling activities.

**ACTIVATION**

Upon arrival at the EOF, the Health Physics Support Team Leader should initiate the following actions:

1. \_\_\_\_\_ Establish radiological controls in the EOF assuring a frisking station is established and verifying the meter is operational.
  - a. Coordinate with the EOF Director, notify participants if frisking is required.
2. \_\_\_\_\_ Sign in on the "EOF Emergency Response Staff" status board.
3. \_\_\_\_\_ Establish and maintain a log of key activities, ie.
  - a. Turnover of HP responsibilities from TSC to EOF.
  - b. Status of EOF habitability.
  - c. Communications with State EOC HPL.
  - d. Significant changes in offsite radiological conditions.
4. \_\_\_\_\_ Review all previous notification forms sent to the State of Michigan.
5. Establish communications with the TSC Health Physics group and review:
  - \_\_\_\_\_ a. Current Plant status.
  - \_\_\_\_\_ b. Protective actions recommended to the state.
  - \_\_\_\_\_ c. Current protective actions initiated by the state.
  - \_\_\_\_\_ d. Offsite dose calculations result if a release has occurred or projected dose calculations of a potential radiological release.
  - \_\_\_\_\_ e. Telephone numbers currently being used to communicate with the State of Michigan and NRC.
  - \_\_\_\_\_ f. Actions initiated by the State of Michigan and NRC dose assessment organizations.
  - \_\_\_\_\_ g. The update schedule established to provide the State of Michigan and NRC with current information.
  - \_\_\_\_\_ h. The need for supporting the Health Physics Network (HPN) line with the NRC.

**PALISADES NUCLEAR PLANT**  
**EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 3  
Revision 14  
Page 2 of 4

**TITLE: EMERGENCY OPERATIONS FACILITY HEALTH PHYSICS SUPPORT TEAM**

---

6. \_\_\_\_\_ Brief the EOF Director on Health Physics aspects of the emergency.
7. \_\_\_\_\_ Establish the Health Physics Support Team as defined in the Operational Section of this attachment.
8. \_\_\_\_\_ When the responsibilities defined in the Operational Section of this attachment can be adequately addressed by the Health Physics Support Team, notify the EOF Director that the team is ready to assume responsibility for providing Health Physics support.
9. \_\_\_\_\_ Indicate on the "EOF Emergency Response Staff" status board that the Health Physics Support Team is ready.
10. \_\_\_\_\_ Assume responsibility for providing Health Physics support when the Health Physics Support Team is ready.

**OPERATIONAL**

1. Health Physics Support Team Leader

- \_\_\_\_\_ a. Coordinate HP team actions.
- \_\_\_\_\_ b. Evaluate PAR recommendations and update as appropriate.
- \_\_\_\_\_ c. Review and approve notification forms which have been completed by the Dose Assessor.
- \_\_\_\_\_ d. Ensure HP status boards are maintained accurately and in a timely manner.
- \_\_\_\_\_ e. Provide technical support to Health Physics Support Team members. (ie, selection of source term calculation approach, and selection of offsite monitoring team assignments and general sampling areas)
- \_\_\_\_\_ f. Use Trend Graph Status Board to track radiological conditions.
- \_\_\_\_\_ g. Provide an interface with State Health Physics Liaison on technical issues as requested.

**NOTE:** The open HPN line can be maintained in the TSC or EOF.

- \_\_\_\_\_ h. Maintain an open HPN line with the NRC, if requested.
- \_\_\_\_\_ i. Evaluate the use of Potassium Iodide (KI) per Emergency Implementing Procedure EI-9, "Offsite Radiological Monitoring," and ensure EOF Director is aware of the KI status.
- \_\_\_\_\_ j. Upon activation of the FRMAC, the Health Physics Support Team Leader will assign an individual to report to the FRMAC per Attachment 5 of this procedure.

**TITLE: EMERGENCY OPERATIONS FACILITY HEALTH PHYSICS SUPPORT TEAM**

---

**2. Dose Assessor**

**NOTE:** For Manual Dose Assessment; use emergency notification forms from EI-3, Attachment 1 and Attachment 1.1.

- \_\_\_\_\_ a. Obtain current meteorological data from the Plant Process Computer (PPC) or EI-6.7, "Plant Site Meteorological System," or EI-6.8, "Backup and Supplemental Meteorology."
- \_\_\_\_\_ b. Obtain meteorological forecast data from EI-6.7, "Plant Site Meteorological System."
- \_\_\_\_\_ c. If there is a potential for, or an actual release is in progress, calculate average energy, release rates, and dose estimates using the EI-6 procedure series.

**NOTE:** Initial notifications of a Protective Action Recommendation based upon dose calculations require that both Event Notification Form and Event Technical Data Sheet be completed.

- d. Complete the Event Notification Form for initial notifications for all new emergency classifications, and for all Protective Action Recommendations.
  - \_\_\_\_\_ On the Event Notification Form, complete Items 6, 7 and 8.
- e. Complete the Event Technical Data Sheet for follow-up notifications.
  - \_\_\_\_\_ On the Event Technical Data Sheet, complete Items 5, 6, and 7.
- \_\_\_\_\_ f. Ensure that the Health Physics Support Team Leader reviews the completed form(s).
- \_\_\_\_\_ g. Ensure that the completed form(s) are provided to the Communications Support Team Leader in a timely manner to support the time posted on the EOF Communication Status Board.

**3. Radio Communicator**

**NOTE:** Radio is the primary means of communication with the offsite teams, and backup is cellular telephones, 616-921-5395 and 616-921-5396.

- \_\_\_\_\_ a. Communicate instructions to offsite teams.
- \_\_\_\_\_ b. Record offsite monitoring team data on status board.
- \_\_\_\_\_ c. Update offsite teams with Plant status including event classification, changes in meteorological data, changes in release information, and protective action recommendations.
- \_\_\_\_\_ d. Track cumulative dose for members of the offsite monitoring teams.

**TITLE: EMERGENCY OPERATIONS FACILITY HEALTH PHYSICS SUPPORT TEAM**

---

4. Health Physics Technician

- \_\_\_\_\_ a. Perform habitability assessments and report results to the Health Physics Support Team Leader.
- \_\_\_\_\_ b. If the EOF is determined to be within the pathway of the radioactive plume:
  - \_\_\_\_\_ Monitor airborne radioactivity levels with the EOF.
  - \_\_\_\_\_ issue EOF personnel TLD's and maintain TLD assignment records.
- \_\_\_\_\_ c. Assist the Health Physics Support Team as requested.

**RECOVERY**

During the reentry/recovery phase, the Health Physics Support Team Leader will direct the environmental sampling activities as described in Emergency Implementing Procedure EI-10, "Accident Environmental Assessment."

**DEACTIVATION**

When the situation warrants, the EOF will be deactivated. Close out all communications as directed by the EOF Director. Close out all files and submit appropriate forms, records, and logs as directed by the EOF Administrative Support Team Leader.

**TITLE: EMERGENCY OPERATIONS FACILITY ENGINEERING SUPPORT TEAM**

---

**RESPONSIBILITIES**

The Engineering Support Team Leader is responsible for providing:

**NOTE:** In addition, the Team Leader should focus the team members toward looking ahead in an attempt to be proactive with problems that may arise in the Plant and their impact beyond Plant boundaries.

1. Engineering support for the EOF/HP Support Team necessary in performing source term calculations.
2. Interpretation of technical Plant engineering, reactor engineering, and accident analysis to the EOF Director.
3. Technical support for the Plant.
4. Interpretation of operational aspects of the emergency to the EOF Director.

**ACTIVATION**

Upon arrival at the EOF, the Engineering Support Team Leader should initiate the following actions:

1. \_\_\_\_\_ Sign in on the "EOF Emergency Response Staff" status board.
2. \_\_\_\_\_ Establish and maintain a log of key activities, ie.
  - a. Note any changing priorities.
  - b. Note Plant actions as they pertain to Plant engineering and reactor engineering/ accident analysis.
3. Establish communications with counterpart group in the Technical Support Center (see Emergency Implementing Procedure EI-3, "Communications and Notifications," Attachment 3 for telephone numbers), and:
  - \_\_\_\_\_ a. Review the Plant parameters and safety function status.
  - \_\_\_\_\_ b. Review all engineering recommendations and calculations made.
  - \_\_\_\_\_ c. Review recommendations to prevent and/or limit core damage.
  - \_\_\_\_\_ d. Review actions initiated by the Plant as they relate to engineering matters, and safe shutdown.
4. \_\_\_\_\_ Indicate on the "EOF Emergency Response Staff" status board that the Engineering Support Team is ready.

**TITLE: EMERGENCY OPERATIONS FACILITY ENGINEERING SUPPORT TEAM**

---

**OPERATIONAL**

1. Engineering Support Team Leader

- \_\_\_\_\_ a. Ensure that a log of key activities is maintained. (See Activation, Step 2.)
- \_\_\_\_\_ b. Provide engineering support for the EOF HP Support Team necessary in performing source term calculations.
- \_\_\_\_\_ c. Provide the EOF Director and Plant TSC Engineering group with engineering interpretation and recommendations.
- \_\_\_\_\_ d. Provide the EOF Director with a summary of all Plant actions as they pertain to Plant engineering, and reactor engineering/accident analysis.
- \_\_\_\_\_ e. Maintain status board trending reactor parameters with correct, current and timely Plant information.
- \_\_\_\_\_ f. Maintain Emergency Priorities/Vital Equipment Out of Service status board.
- \_\_\_\_\_ g. Request additional support from offsite by completing Attachment 4.1, "Additional Emergency Support Request," and submit to EOF Communications.
- \_\_\_\_\_ h. If the estimated duration of the incident warrants, arrange with the EOF Administrative Support Team Leader to have a relief support team assembled.

2. Technical Information Facilitator (TIF)

- \_\_\_\_\_ a. Maintain the Sequence of Events board in the EOF.
- \_\_\_\_\_ b. Remain on the dedicated group line until relieved by another qualified individual.
- \_\_\_\_\_ c. Assist the EOF Director in maintaining communications with the Control Room, TSC, and OSC.
- \_\_\_\_\_ d. Discuss EOF priorities with the other facility TIFs and notify EOF leadership of impending conflicts.
- \_\_\_\_\_ e. Notify EOF leadership of important and/or emergency developments.

3. Operations Liaison

- \_\_\_\_\_ a. Consult with the EOF Director and his staff regarding the operational aspects of the emergency.
- \_\_\_\_\_ b. Assist with the trending of important operational parameters, as appropriate.
- \_\_\_\_\_ c. Assist EOF personnel in the interpretation of trends in operational parameters and discuss the ramifications of events or developments, as needed.
- \_\_\_\_\_ d. Attend Team Leader briefings as a resource for the EOF Director.

**DEACTIVATION**

When the situation warrants, the EOF will be deactivated. Close out all communications as directed by the EOF Director. Close out all files and submit appropriate forms, records, and logs as directed by the EOF Administrative Team Leader.

**PALISADES NUCLEAR PLANT  
EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 4.1  
Revision 14  
Page 1 of 1

**TITLE: ADDITIONAL EMERGENCY SUPPORT REQUEST**

1. Date \_\_\_\_\_ Time \_\_\_\_\_
2. Name and title of person making request \_\_\_\_\_
3. Nature of emergency \_\_\_\_\_
4. Plant \_\_\_\_\_ Location \_\_\_\_\_
5. When the help is needed \_\_\_\_\_
6. Where the help is wanted \_\_\_\_\_
7. Work to be done \_\_\_\_\_
8. Where the help should report \_\_\_\_\_
9. The name and title of person to report to \_\_\_\_\_
10. Number of personnel requested \_\_\_\_\_
11. Classification of personnel \_\_\_\_\_
12. Estimated time duration for additional support \_\_\_\_\_
13. Equipment needed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
14. Material needed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
15. Services needed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
16. Other information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**TITLE: EMERGENCY OPERATIONS FACILITY GOVERNMENTAL LIAISON**

---

**RESPONSIBILITIES**

**1. State Emergency Operations Center (SEOC) Liaison**

The Liaison to the State is responsible for

- a. Functioning as a member of the State EOC Executive Group, and being involved in advising the State on protective action decisions.
- b. Clarifying/interpreting communications and verifying information between the Company's EOF and the SEOC.
- c. Being a technical resource on Plant operations for State emergency response personnel.

**2. County Emergency Operations Center (EOC) Liaison**

The County EOC Liaison is responsible for being a technical resource on Plant operations for county emergency response personnel.

**3. Federal Radiological Monitoring and Assessment Center (FRMAC) Liaison**

The FRMAC Liaison is responsible for providing radiological information and technical support.

**ACTIVATION**

**1. SEOC Liaison**

Upon notification of activation of the EOF, proceed directly to the SEOC located at:

4000 Collins Road  
Lansing, MI

**2. County EOC Liaison**

Upon arrival at the EOF, the County EOC Liaisons should:

- \_\_\_\_\_ a. Notify the EOF Director or Administrative Support Team Leader of your arrival.
- \_\_\_\_\_ b. Monitor the situation at the EOF to prepare for functioning as the County EOC Liaison.
- \_\_\_\_\_ c. Upon direction from the EOF Director or Administrative Support Team Leader, proceed to assigned County EOC.

Van Buren County: Lower Level of Sheriff Department  
Paw Paw, Michigan

Berrien County: Lower Level of Sheriff Department  
St Joseph, Michigan

Allegan County: Allegan County Building  
Allegan, Michigan

**TITLE: EMERGENCY OPERATIONS FACILITY GOVERNMENTAL LIAISON**

---

3. FRMAC Liaison

Upon activation of the FRMAC, the Health Physics Support Team Leader will assign an individual to report to that facility as a liaison.

**OPERATIONAL**

1. SEOC Liaison

Upon arrival at the State facility, the SEOC Liaison should:

- \_\_\_\_\_ a. Notify State management personnel of your arrival.
- \_\_\_\_\_ b. Function as a member of the State Executive Group. As such you will be involved in advising the State on protective action decisions.
- \_\_\_\_\_ c. Monitor the situation from within the SEOC to obtain information. If clarification of the situation is necessary, call Communications at the EOF (see Emergency Implementing Procedure EI-3, "Communications and Notifications," for telephone numbers).
- \_\_\_\_\_ d. Ensure that State management personnel are aware of the latest protective action recommendation made by the Company.

**NOTE:** Official word of those recommendations must come from the EOF Director.

- \_\_\_\_\_ e. Ensure EOF officials are aware (through EOF Communications) of major activities being undertaken by the State in response to the emergency (eg, protective actions ordered by the State for the public).

2. County EOC Liaison

Upon arrival at the county EOC:

- \_\_\_\_\_ a. Notify management personnel of your arrival.
- \_\_\_\_\_ b. Monitor the situation to obtain information. If clarification of the situation is necessary, call Communications at the EOF (see Emergency Implementing Procedure EI-3, "Communications and Notifications," for phone numbers).
- \_\_\_\_\_ c. Ensure EOF officials are aware (through EOF Communications) of major activities being undertaken in response to the emergency

**TITLE: EMERGENCY OPERATIONS FACILITY GOVERNMENTAL LIAISON**

---

**3. FRMAC Liaison**

Upon arrival at the FRMAC:

- \_\_\_\_\_ a. Notify management personnel of your arrival.
- \_\_\_\_\_ b. Provide support and radiological information to the State, NRC, and local authorities such as:
  - Plume deposition predictions
  - Airborne radiological concentrations
  - Deposition patterns of isotopic concentrations, exposure rates and dose projections
  - Isotopic concentrations in environmental media
  - Current meteorological conditions and weather forecast

**PALISADES NUCLEAR PLANT**  
**EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 6  
Revision 14  
Page 1 of 1

**TITLE: EMERGENCY OPERATIONS FACILITY PUBLIC AFFAIRS**

---

**RESPONSIBILITIES**

The Public Affairs Communicator/Technical Advisor is responsible for the flow of information between the EOF and the Joint Public Information Center (JPIC).

**ACTIVATION**

1. \_\_\_\_\_ Sign in on the "EOF Emergency Response Staff" status board.
2. \_\_\_\_\_ Establish and maintain a log of key activities, ie.
  - a. Note times of press releases.
  - b. Note times of changes/updates.
3. \_\_\_\_\_ Establish a communications link with the JPIC.

**OPERATIONAL**

1. \_\_\_\_\_ Update the JPIC on the status of the emergency.
2. \_\_\_\_\_ Communicate information requests from the JPIC to the EOF Director.
3. \_\_\_\_\_ Have draft news releases from the JPIC reviewed and approved by the EOF Director.
4. \_\_\_\_\_ Notify the JPIC of any revisions needed to news releases that have been reviewed and approved by the EOF Director.
5. \_\_\_\_\_ Fax the news releases with the appropriate approval noted on them to the JPIC.

**TITLE: EMERGENCY OPERATIONS FACILITY EMERGENCY PLANNER**

---

**RESPONSIBILITIES**

The Emergency Planner acts as resource person in technical and nontechnical areas for all participants to ensure an efficiently operated facility and interface between participants at all emergency response facilities (both Company and non-Company).

**ACTIVATION**

1. \_\_\_\_\_ Sign in on the "EOF Emergency Response Staff" status board and continue to monitor the status of the emergency with the EOF Director.
2. \_\_\_\_\_ Establish and maintain a log of key activities to allow reconstruction of the EOF response to this event.
3. \_\_\_\_\_ Verify the extent of the emergency situation with the EOF Director.

**OPERATIONAL**

1. \_\_\_\_\_ Ensure that a log of key activities is maintained. (See Activation, Step 2.)
2. \_\_\_\_\_ Provide assistance as requested by the EOF Director.
3. \_\_\_\_\_ Provide assistance as requested by the Health Physics and Engineering Support Team.
4. \_\_\_\_\_ Provide requested liaison support between NMC and non-NMC groups.
5. \_\_\_\_\_ Ensure that facility status boards are periodically updated.

**DEACTIVATION**

When the situation warrants, the Emergency Operations Facility will be deactivated. Close out all communications as directed by the EOF Director. Close out all files and submit appropriate forms, records, and logs as directed by the EOF Administrative Support Team Leader.

**TITLE: EMERGENCY OPERATIONS FACILITY ADMINISTRATIVE SUPPORT TEAM**

---

**RESPONSIBILITIES**

The Emergency Operations Facility Administrative Support Team Leader is responsible for:

1. Setting up the Emergency Operations Facility (EOF).
2. Coordinating and maintaining all support services required to keep the EOF operating in a reliable and efficient manner.
3. Coordinating the administrative functions and operation of the EOF.
4. Administering the call-out provisions regarding alcohol in the Fitness for Duty Procedures.

**ACTIVATION**

Upon arrival at the EOF, the Emergency Operations Facility Administrative Support Team Leader should initiate the following actions:

1. \_\_\_\_\_ Maintain a log of key activities, ie,
  - a. Note time of incoming/outgoing faxes.
  - b. Note time assembly checklist completed.
  - c. Note time shift turnover is complete.
2. \_\_\_\_\_ Sign in on the "EOF Emergency Response Staff" status board.
3. \_\_\_\_\_ Ensure South Haven Conference Center personnel set up the EOF in accordance with Attachment 8.1 of this procedure.
4. \_\_\_\_\_ Verify that all support equipment has been set up and is functioning properly. If not, arrange to have equipment repaired.
5. \_\_\_\_\_ Establish security per Attachment 9 of this procedure to restrict access to the EOF. Call Allegan County dispatch (269-673-3899) to request activation of reserve unit for Palisades EOF Security.
6. \_\_\_\_\_ Administer the call-out provisions regarding alcohol in the Fitness for Duty Procedures including administering breath alcohol testing.
7. \_\_\_\_\_ Contact Plant Security (ext 2299 or 2561, if no answer call ext 2278) to request a status on security at the Plant.

**PALISADES NUCLEAR PLANT**  
**EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 8  
Revision 14  
Page 2 of 2

**TITLE: EMERGENCY OPERATIONS FACILITY ADMINISTRATIVE SUPPORT TEAM**

---

8. Assign Administrative Support personnel to:
  - \_\_\_\_\_ a. Control and maintain the distribution of documents and engineering records with the EOF.
  - \_\_\_\_\_ b. Operate telecopy machines.
  - \_\_\_\_\_ c. Log and distribute received messages to appropriate EOF staff.
  - \_\_\_\_\_ d. Assist the EOF Director, as requested.
  - \_\_\_\_\_ e. Assist personnel signing in on Attachment 8.2.
9. \_\_\_\_\_ Verify that support teams have adequate equipment and supplies.
10. \_\_\_\_\_ Notify the EOF Director as Support Team Leaders indicate a ready status on the "EOF Emergency Response Staff" status board.

**OPERATIONAL**

1. Throughout the emergency, ensure the following:
  - \_\_\_\_\_ a. Status boards are being updated.
  - \_\_\_\_\_ b. Tasks assigned to Administrative Support personnel in Step 7 above are being carried out.
  - \_\_\_\_\_ c. Administrative Support personnel assigned to Communications Group record "Sequence of Events" board and have copies distributed to all teams.
2. \_\_\_\_\_ Make arrangements for replacement and/or repairs of equipment as needed.
3. \_\_\_\_\_ Arrange for additional phones, lines, radios, or other communications equipment and facilities as needed.
4. \_\_\_\_\_ Coordinate scheduling of work shifts to staff the EOF on a 24-hour basis.
5. \_\_\_\_\_ Coordinate set up of food services and lodging for the support staff.
6. \_\_\_\_\_ Ensure that the needs of the NRC personnel located in the EOF are being addressed.

**DEACTIVATION**

When the situation warrants, the Emergency Operations Facility will be deactivated. Return all emergency equipment to its respective storage location. Instruct team leaders to submit appropriate forms, records, and logs. File this documentation in the Engineering Records Center with copies to Emergency Planning.

**PALISADES NUCLEAR PLANT**  
**EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 8.1  
Revision 14  
Page 1 of 6

**TITLE: EMERGENCY OPERATIONS FACILITY FLOOR PLAN.**

---

Page left blank intentionally.

**PALISADES NUCLEAR PLANT**  
**EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 8.1  
Revision 14  
Page 2 of 6

**TITLE: EMERGENCY OPERATIONS FACILITY FLOOR PLAN**

---

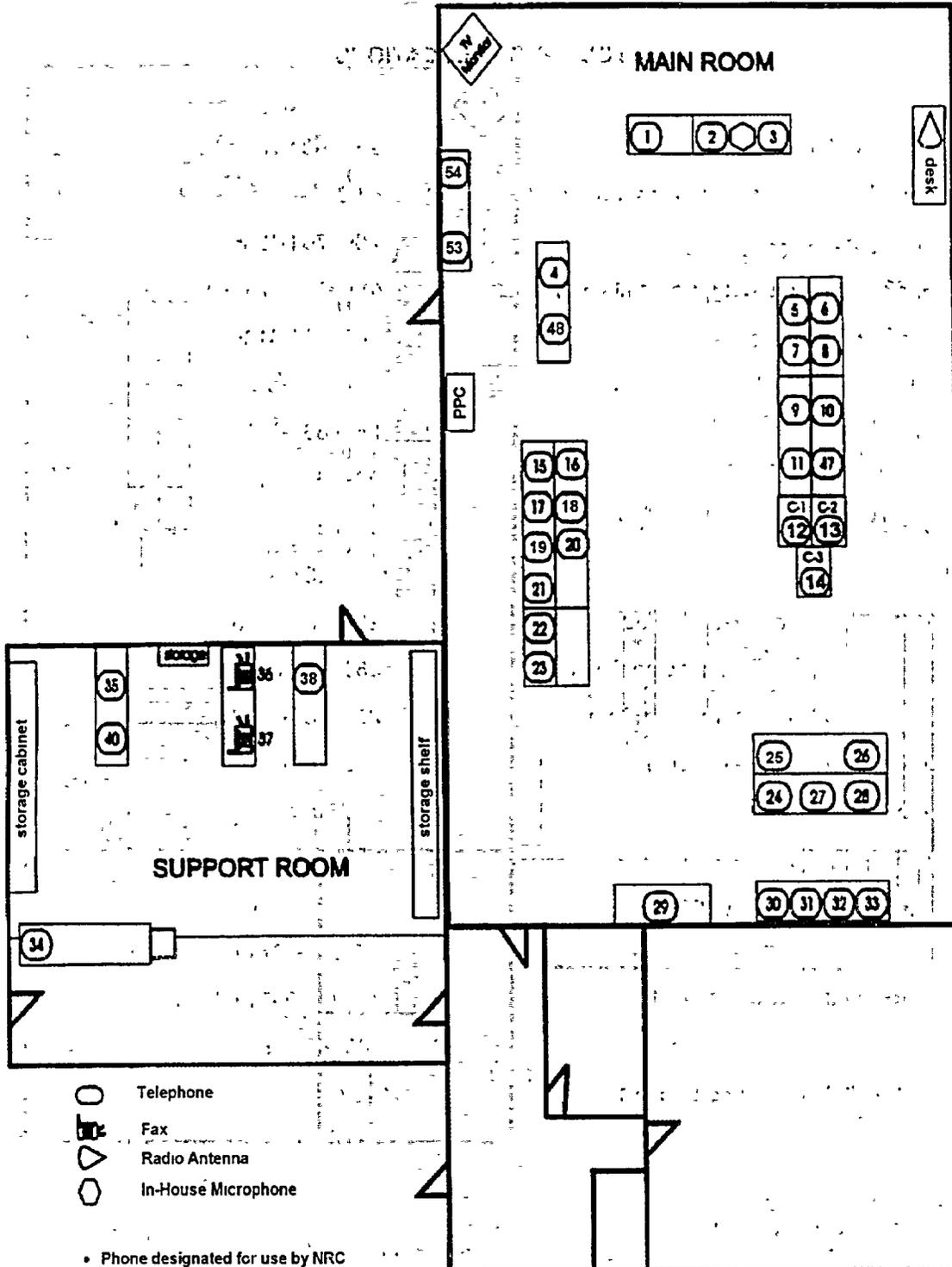
**LAYOUT/PHONE LOCATIONS**

1	(269) 637-6608 / 2324	23	(269) 637-7308
2	(269) 637-6615 / 2381 (same as Loc #41**)	24	2398
3	Hotline - SED	25	(269) 764-1285
4	(269) 637-7240 (same as Loc #43/45**)*	26	700-371-0075 (ENS)*
5	(269) 637-6028*	27	(269) 637-4106
6	700-371-0072 (HPN)*	28	Hotline - TSC
7	(269) 637-7397	29	(269) 637-7307
8	2385	30	(269) 637-6188
9	(269) 637-6695 (same as Loc #42/44**)	31	(269) 637-6787 (same as Loc #46**)*
10	2384	32	(269) 637-6235*
11	(269) 637-6114 (same as Loc #52**)*	33	(269) 637-3955
12	(269) 637-7012 C-1 Straight Line Computer	34	(269) 637-3944
13	(269) 637-7398 C-2 Segmented Computer	35	(269) 637-1951
14	(269) 637-7321 C-3 Meteorological Computer	36	(616) 458-7815 outgoing fax
15	(269) 637-6647	37	(616) 458-8078 incoming fax
16	2386	38	(269) 637-7309
17	(269) 637-7306 (Laptop Computer)	40	(269) 637-2407/2404
18	2369	47	700-371-0074 (Protective Measures)**
19	(269) 637-5969*	48	700-371-0071 (Management Counterpart)**
20	700-371-0073 (Reactor Safety)*	53	(269) 637-6574
21	(269) 637-7060 (same as Loc #51**)*	54	2383
22	2382*		

\* Phone designated for use by NRC

\*\* Phone Locations #41 through #52 located in manor House (see EI-4.3, Attachment 8.1, Page 6 of 6)

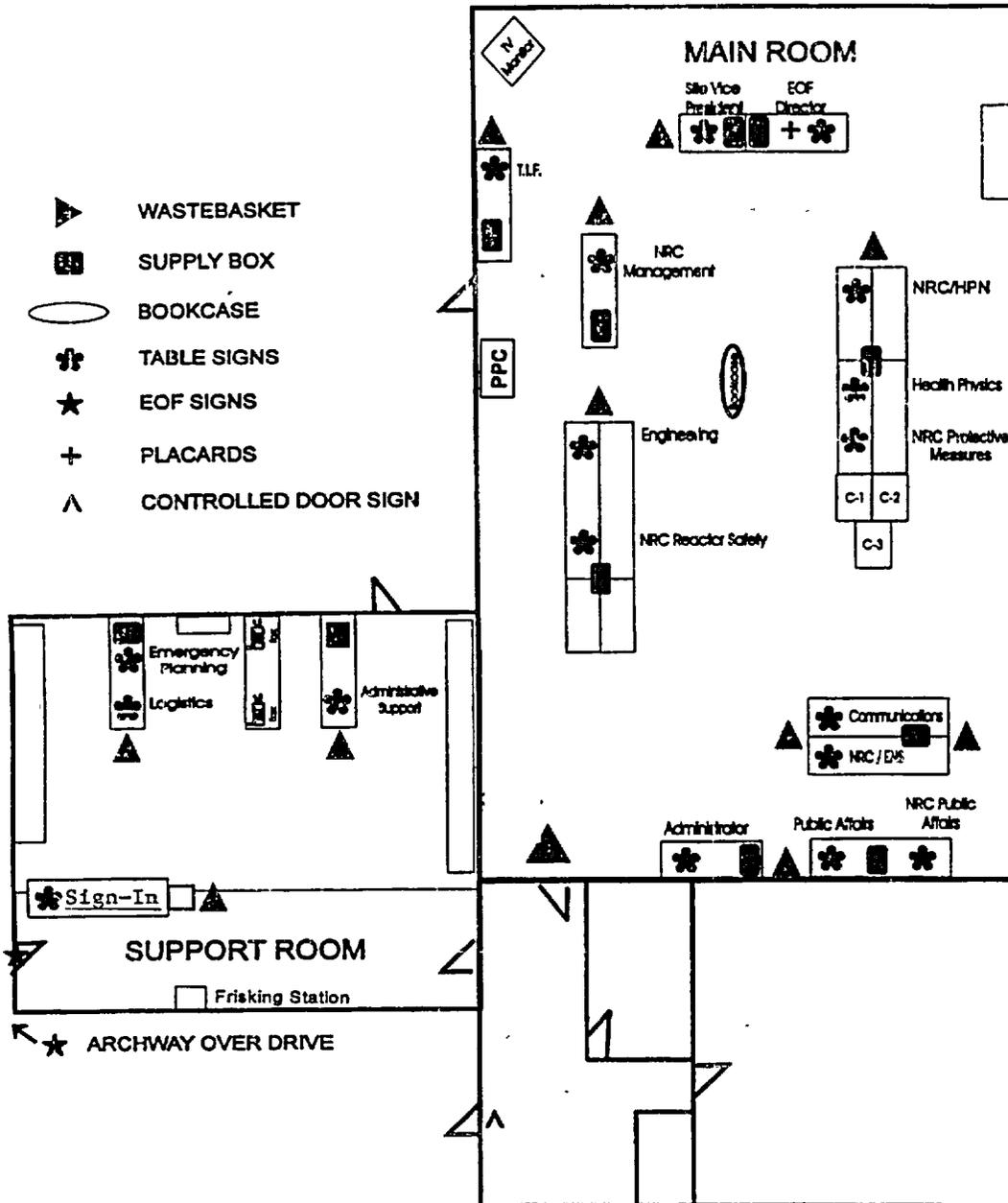
**TITLE: EMERGENCY OPERATIONS FACILITY FLOOR PLAN**



**PALISADES NUCLEAR PLANT  
EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 8.1  
Revision 14  
Page 4 of 6

**TITLE: EMERGENCY OPERATIONS FACILITY FLOOR PLAN**



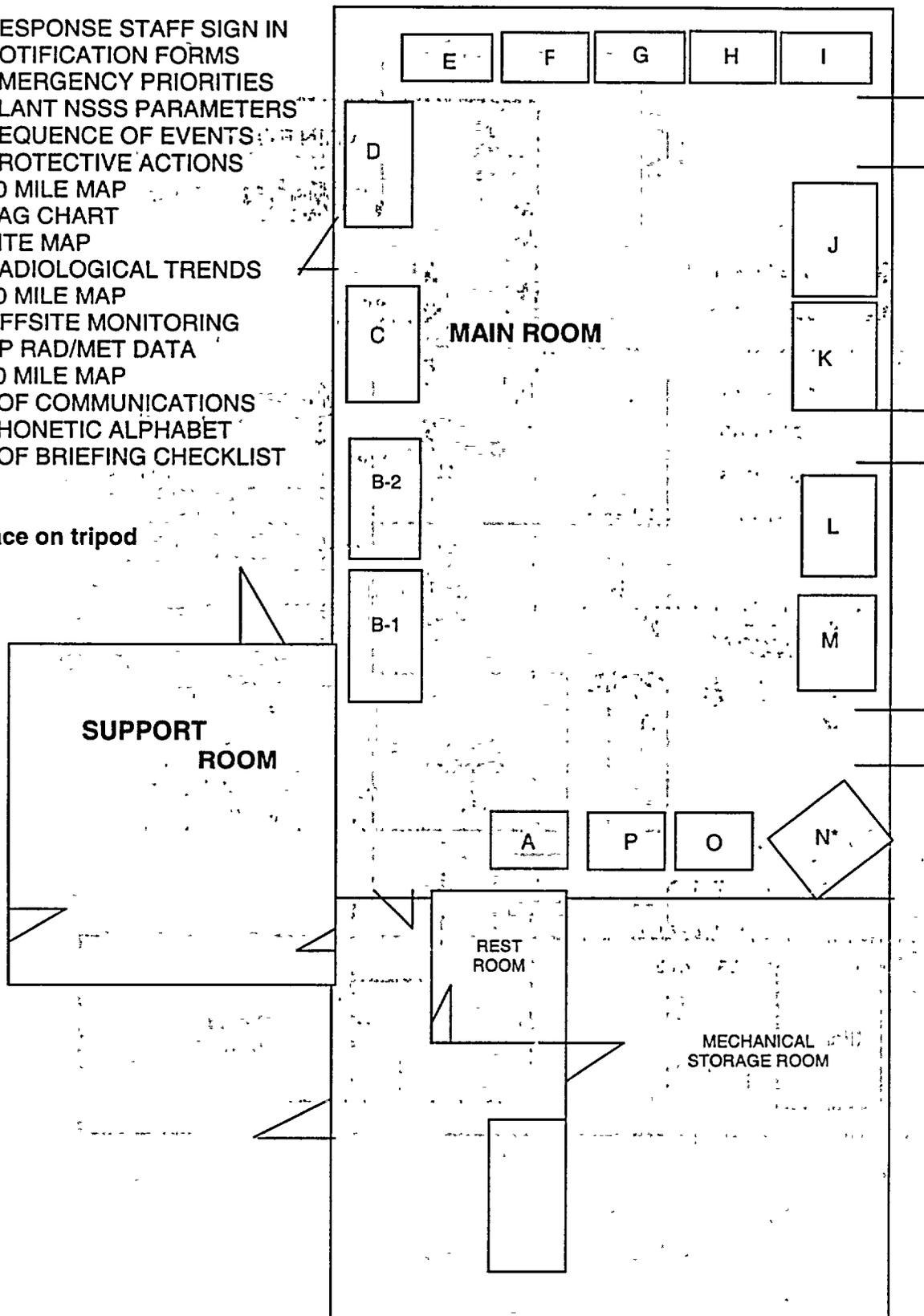
**PALISADES NUCLEAR PLANT  
EMERGENCY IMPLEMENTING PROCEDURE**

Proc No EI-4.3  
Attachment 8.1  
Revision 14  
Page 5 of 6

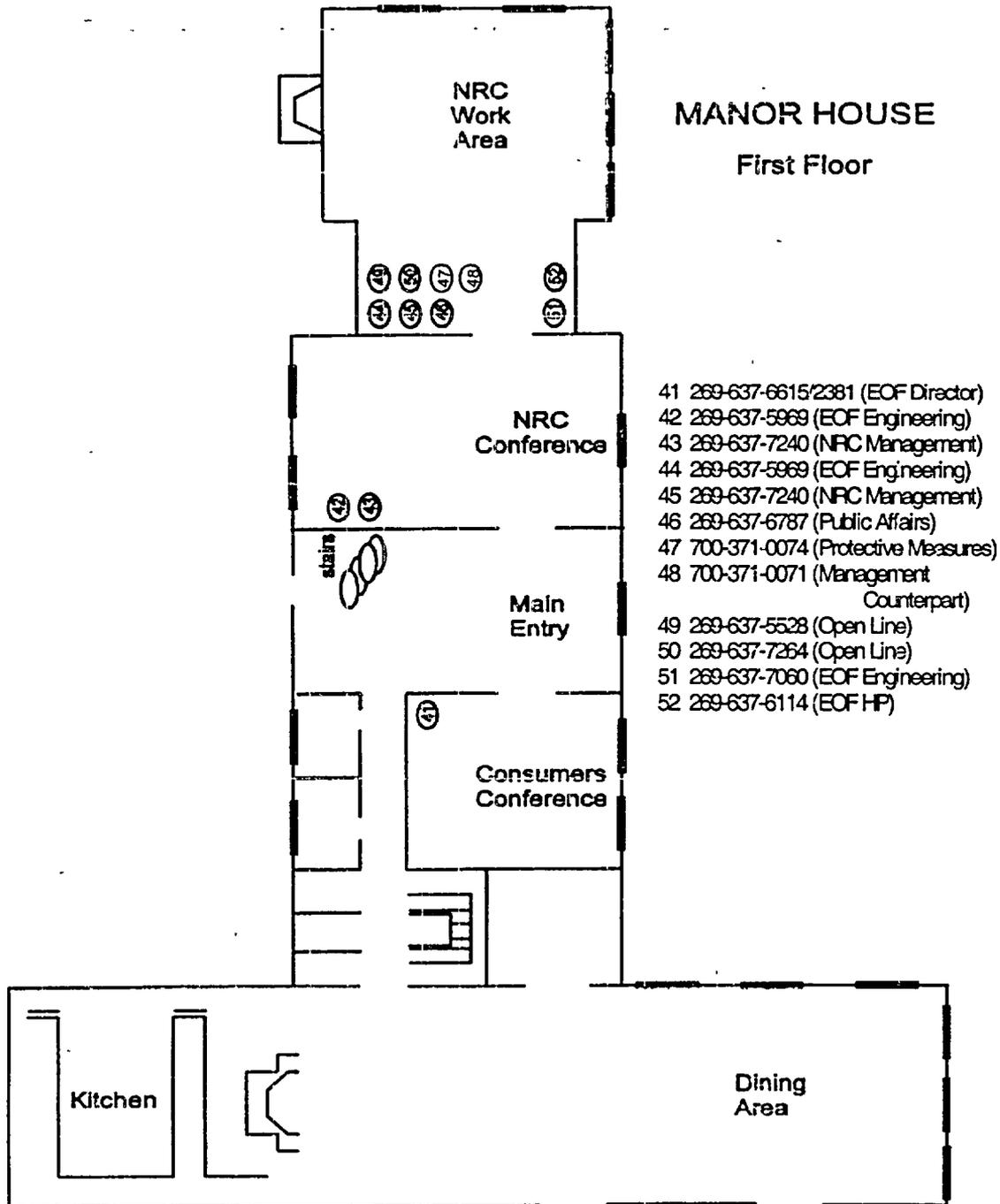
**TITLE: EMERGENCY OPERATIONS FACILITY FLOOR PLAN**

- A RESPONSE STAFF SIGN IN
- B-1 NOTIFICATION FORMS
- B-2 EMERGENCY PRIORITIES
- C PLANT NSSS PARAMETERS
- D SEQUENCE OF EVENTS
- E PROTECTIVE ACTIONS
- F 10 MILE MAP
- G PAG CHART
- H SITE MAP
- I RADIOLOGICAL TRENDS
- J 10 MILE MAP
- K OFFSITE MONITORING
- L HP RAD/MET DATA
- M 50 MILE MAP
- N\* EOF COMMUNICATIONS
- O PHONETIC ALPHABET
- P EOF BRIEFING CHECKLIST

\*Place on tripod



**TITLE: EMERGENCY OPERATIONS FACILITY FLOOR PLAN**





**TITLE: SECURITY OFFICER INSTRUCTIONS**

---

**1.0 GENERAL REQUIREMENTS**

- a. Security officers will report to the EOF Administrative Support Team Leader.
- b. All exterior doors of the EOF (Support Room and Main Room) shall be secured. The entrance at the security sign-in desk may remain open.
- c. Entry into the EOF (Support Room and Main Room) shall be through one door.

**2.0 ACCESS CONTROL**

- a. NMC employees - Individuals will be granted access who
  - 1. Possess NMC identification,
  - 2. Are personally recognized by EOF personnel,
  - 3. Are cleared by the EOF Administrative Support Team Leader.
    - a) Photo identification is to be worn conspicuously at all times when in the EOF.
    - b) Individuals leaving the grounds need to sign out.
    - c) Additionally, if second shift staffing becomes necessary, personnel being relieved of duty should indicate time of departure on the sign-in sheet beside their name in the "Time Out" column.
- b. Non-Company Employees
  - 1. Must be cleared by the EOF Administrative Support Team Leader or designate.
  - 2. Must present photo identification and register on the Nuclear Management Company Emergency Response Sign-In Sheet.
  - 3. Should wear photo identification conspicuously at all times when in the EOF.
- c. NRC Personnel
  - 1. Should present their NRC Identification Badge and sign in on the sign-in sheet.
  - 2. Are not subject to our Fitness for Duty requirements.
  - 3. Should wear photo identification conspicuously at all times when in the EOF.
- d. Any additions or modifications to instructions will come from the EOF Administrative Support Team Leader.

**TITLE: SECURITY OFFICER INSTRUCTIONS**

---

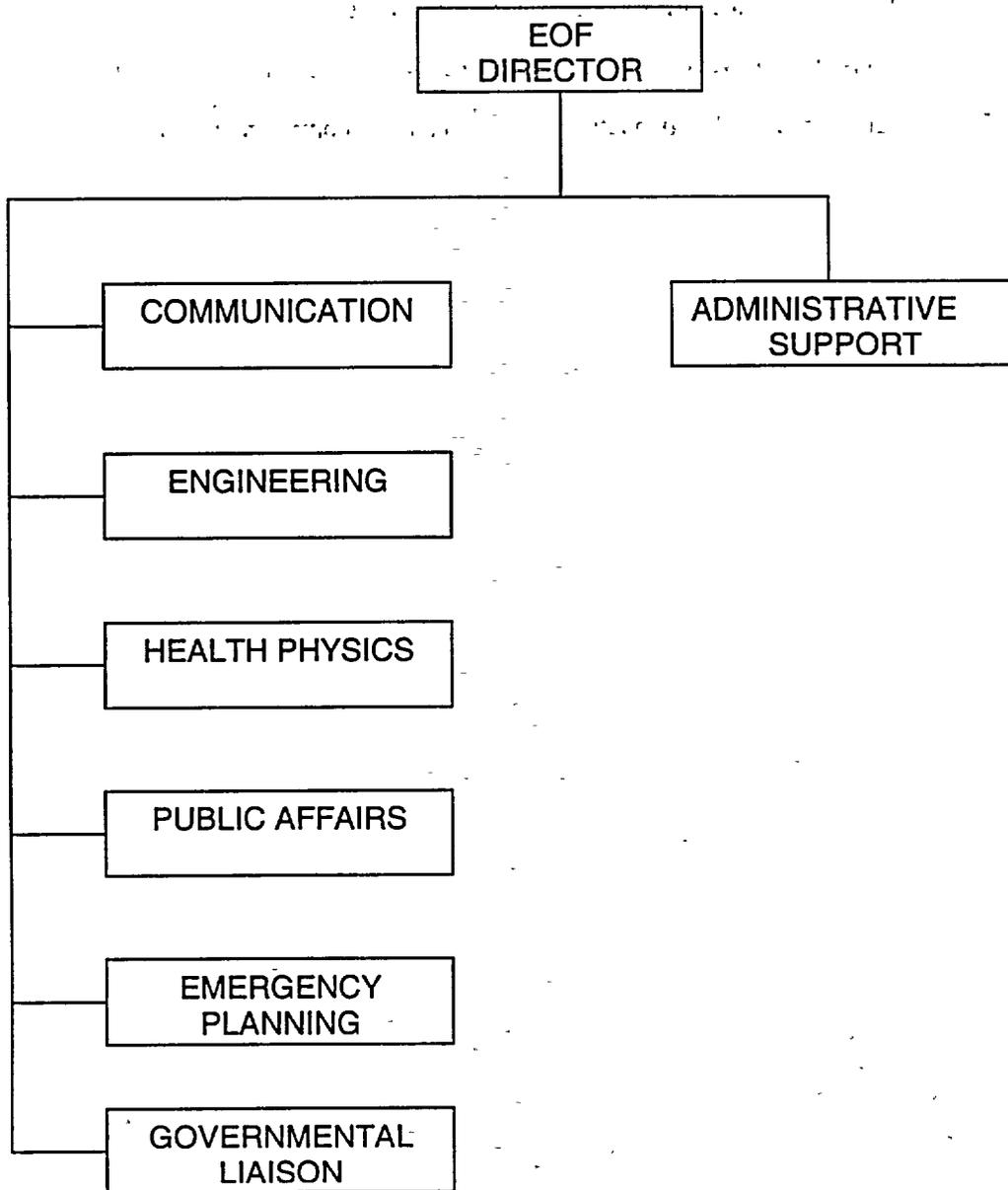
**3.0 SECURITY STAFFING - SOUTH HAVEN CONFERENCE CENTER EOF**

The following security staffing assignments may be made by the EOF Administrative Support Team Leader based upon the nature of the emergency or emergency drill.

- a. EOF Drive Entrance Officer - To be located at the Conference Center drive entrance.
  - 1. The officer will allow access to NMC employees.
  - 2. Non-NMC employees will be cleared to enter by contacting EOF Administrative Lead.
- b. Roving Patrol Officer - To be located on the grounds to control trespassers.

**TITLE: EMERGENCY OPERATIONS FACILITY ORGANIZATION**

---



**MUTUAL ASSISTANCE AGREEMENT**  
**BETWEEN DETROIT EDISON, NUCLEAR MANAGEMENT,**  
**COMPANY AND INDIANA MICHIGAN POWER COMPANY**

0.1 Nuclear Management Company, Detroit Edison and Indiana Michigan Power Company,

**WITNESSETH**

0.2 WHEREAS, Nuclear Management Company, Detroit Edison, and Indiana Michigan Power Company own electric facilities, including nuclear generation stations, and are engaged in the generation, transmission, distribution and sale of electric power and energy in Michigan; and

0.3 WHEREAS, the parties desire to help assure the availability of adequately trained and experienced emergency personnel in the event of an emergency situation at any of their nuclear generating stations;

0.4 NOW, THEREFORE, in consideration of the promises and mutual covenants herein set forth, the parties agree as follows:

**ARTICLE I**  
**DEFINITIONS**

1.1 "Alert" shall be defined as a situation in which events are in process or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant.

1.2 "Emergency" shall be defined consistent with the definition of "site area emergency" as set forth in NUREG 0654 as a situation in which events are in process or have occurred which involve actual or likely major failures of plant functions needed for protection of the public.

1.3 "Requesting party" shall be defined as any party to this Agreement who, upon the occurrence of an emergency at one of its nuclear generating stations, seeks emergency assistance, pursuant to this Agreement, from one or more of the parties hereto.

1.4 "Responding party" or "responding parties" shall be defined as any party or parties to this Agreement who are presented with a request for emergency assistance pursuant to this Agreement.

**MUTUAL ASSISTANCE AGREEMENT**  
**BETWEEN DETROIT EDISON, NUCLEAR MANAGEMENT,**  
**COMPANY AND INDIANA MICHIGAN POWER COMPANY**

**ARTICLE II**  
**REQUESTS FOR EMERGENCY ASSISTANCE**

- 2.1 In the event of an alert at one of its nuclear generating stations, any party to this Agreement may notify any or all of the other parties that an alert exists and that their emergency assistance may be required.
- 2.2 In the event of an emergency at one of its nuclear generating stations, any party to the Agreement may request emergency assistance from any or all of the other parties.
- 2.3 Requests for emergency assistance shall be made between and among the following party personnel:

Nuclear Management Company	Senior Vice President, NMC
Detroit Edison	Senior Vice President Nuclear Generation
Indiana Michigan Power Company	Vice President Nuclear Generation

**ARTICLE III**  
**EXCUSED FAILURE TO RESPOND**

- 3.1 Failure to respond to a request for emergency assistance pursuant to this Agreement shall be excused if, in order to respond, the requested party or parties would be forced in its or their sole judgment or judgments to:
  - 3.1.1 Violate its duties relating to the care and staffing at its own nuclear generating stations; or
  - 3.1.2 Jeopardize the public health or safety at a location other than the location of the requesting party's emergency.

**MUTUAL ASSISTANCE AGREEMENT**  
**BETWEEN DETROIT EDISON, NUCLEAR MANAGEMENT**  
**COMPANY AND INDIANA MICHIGAN POWER COMPANY**

**ARTICLE IV**  
**SCOPE OF ASSISTANCE**

- 4.1 If requested under this Agreement, the responding party or parties will provide trained and experienced personnel to perform off-site radiation protection activities to the requesting party. All equipment intended for use by the responding personnel, except personal dosimeters and certification documents (such as certificates of Health Physics training, instrument training and dose exposure records), shall be the responsibility of the requesting party to provide. The responding party or parties may use their own equipment if agreeable to the requesting party. However, use by the responding party or parties of their own equipment shall in no way alter the duties and obligations imposed upon the parties by this Agreement.
- 4.2 Emergency assistance provided by the responding party or parties shall continue until their personnel are dismissed by the requesting party, or are recalled by the responding party to support operations at its own facilities.
- 4.3 Responding party or parties' personnel exposure shall be limited to off-site radiation, and such exposure shall not exceed federal requirements as set forth in 10CFR20.
- 4.4 Wages, hours and other terms and conditions of employment applicable to loaned personnel shall be those of the party providing such personnel.
- 4.5 Personnel provided by responding party or parties shall, at all times during the period in which emergency assistance is being provided, continue to be employees of the responding party or parties. The responding party, and not the requesting party, shall be liable to loaned personnel for any wages, salaries, cost and expenses associated with the provision of emergency assistance.

**MUTUAL ASSISTANCE AGREEMENT**  
**BETWEEN DETROIT EDISON, NUCLEAR MANAGEMENT,**  
**COMPANY AND INDIANA MICHIGAN POWER COMPANY**

**ARTICLE V**  
**REIMBURSEMENT FOR EMERGENCY ASSISTANCE RENDERED**

- 5.1 The requesting party shall reimburse each responding party for all costs and expenses incurred by each responding party in providing emergency assistance hereunder. Such costs and expenses shall include:
- 5.1.1 Salaries and wages paid to loaned personnel (including supervisors) for paid time spent in the requesting party's service area, and paid time for travel to and from such service area;
  - 5.1.2 A percentage of the total of such wages and salaries, as determined by the responding party, reflecting expenses incurred for:
    - 5.1.2.1 Compliance with Worker's Compensation laws;
    - 5.1.2.2 Payroll taxes;
    - 5.1.2.3 Hospitalization, surgical and medical coverage;
    - 5.1.2.4 Pensions and life insurance;
    - 5.1.2.5 Vacation, holiday and sick pay;
    - 5.1.2.6 Travel accident insurance;
  - 5.1.3 Transportation to and from the requesting party's service area, including the cost of travel accident insurance purchased expressly for coverage during such transportation;
  - 5.1.4 Food and lodging;
  - 5.1.5 Personal expenses specifically agreed to between the requesting and responding parties;
  - 5.1.6 Charges, at the rates internally used by the responding party, for the use of transportation equipment and other equipment requested; and
  - 5.1.7 Any further costs specifically agreed to between the requesting and responding parties.

**MUTUAL ASSISTANCE AGREEMENT**  
**BETWEEN DETROIT EDISON, NUCLEAR MANAGEMENT,**  
**COMPANY AND INDIANA MICHIGAN POWER COMPANY**

- 5.2 All time sheets and work records pertaining to loaned personnel shall be maintained by the responding party.
- 5.3 All charges shall be paid by the requesting party to each responding party within ten (10) days after receipt of an invoice, itemized to the satisfaction of the requesting party.

**ARTICLE VI**  
**INDEMNIFICATION**

- 6.1 The requesting party shall indemnify and hold harmless each responding party from and against any and all liability for loss, damage, cost or expense which the responding party shall incur by reason of bodily injury, including death, to any person or persons, or by reason of damage to or destruction of any property, including the loss of use thereof, arising out of or in any manner connected with the giving of emergency assistance to the requesting party.
- 6.2 In the event of bodily injury, including death, to any employee of the responding party, or in the event of damage to or destruction of any property of the responding party, the requesting party shall indemnify the responding party for such loss in the following manner:
- 6.2.1 If such loss is covered by an insurance policy purchased by the responding party from a third party carrier, the requesting party shall make reimbursement to the extent such losses increase the responding party's insurance costs;
- 6.2.2 If such loss is not covered by an insurance policy purchased by the responding party or exceeds such coverage, the requesting party shall make reimbursement to the extent of the claims or benefits actually paid or the losses sustained by the responding party.

**MUTUAL ASSISTANCE AGREEMENT**  
**BETWEEN DETROIT EDISON, NUCLEAR MANAGEMENT,**  
**COMPANY AND INDIANA MICHIGAN POWER COMPANY**

**ARTICLE VII**  
**MODIFICATION**

- 7.1 At any time after the date of this Agreement any party, by giving not less than thirty days written notice to the other parties, may from time to time call for reconsideration of the terms and conditions of this Agreement. If such reconsideration is called for, the authorized representatives of the parties shall meet as promptly as convenient and discuss any of the terms and conditions of the Agreement. No party shall be under any obligation to agree to any modification or supplement not satisfactory to it. Any agreement modifying or supplementing such terms and conditions shall be in writing, signed by all parties, and shall specify the date such modification or supplement shall become effective.

**ARTICLE VIII**  
**PLAN EXERCISING**

- 8.1 The parties agree to provide, at their own expense, personnel to observe or assist in demonstrating the effectiveness of a nuclear generating station's emergency plan as may be required by that nuclear generating station's NRC approved emergency plan.

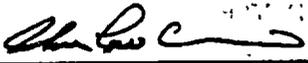
**ARTICLE IX**  
**TERM OF AGREEMENT**

- 9.1 This Agreement shall continue indefinitely from the date of signing unless and until terminated as provided for in Section 9.2 below.
- 9.2 Any party, upon sixty (60) days prior written notice to all other parties, may terminate this Agreement.

**MUTUAL ASSISTANCE AGREEMENT**  
**BETWEEN DETROIT EDISON, NUCLEAR MANAGEMENT,**  
**COMPANY AND INDIANA MICHIGAN POWER COMPANY**

IN WITNESS WHEREOF, the parties hereto cause this Agreement to be executed by their duly authorized officers on duplicate original pages attached hereto and made a part hereof.

**NUCLEAR MANAGEMENT COMPANY**

  
\_\_\_\_\_  
J. P. Cowan Date: 6/28/01  
Senior Vice President, NMC

**DETROIT EDISON COMPANY**

  
\_\_\_\_\_  
W. T. O'Connor Date: 6/28/01  
Vice President  
Nuclear Generation

**INDIANA MICHIGAN POWER COMPANY**

  
\_\_\_\_\_  
R. P. Powers Date: 06/08/07  
Vice President