FirstEnergy

Perry Nuclear Power Plant
10 Center Road
P. O. Box 97
Perry, Ohio 44081

January 30, 2001

PY-CEI/NRR-2543L

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Submittal of Emergency Plan
Implementing Instructions

Gentlemen:

Pursuant to 10 CFR 50 Appendix E, enclosed are changes to the Emergency Plan Implementing Instructions (EPIs) for the Perry Nuclear Power Plant. These changes constitute revisions, temporary changes, or reissued pages. Please follow the updating instructions per the attached Controlled Document Instruction Sheet and return the signed Acknowledgment of Receipt form.

If you have questions or require additional information, please contact me at (440)280-5294.

Very truly yours,

Vernon K. Higaki, Supervisor
Emergency Planning Unit

VKH:byr

Enclosure

cc: NRC Project Manager
NRC Resident Inspector
NRC Region III, Incident Response Center w/2 attachments

A045

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

PERRY NUCLEAR POWER PLANT

UNIT 1 & 2

ACKNOWLEDGMENT OF RECEIPT

Title Emergency Plan Implementing Instructions EPI – A10 R/4, C-2

Control No. 60

Letter No./Date PY-CEI/NRR-2543L /January 30, 2001

_____ _____

Signature Date

_____

Title

Return to:

Perry Nuclear Power Plant
Attn: B.Y. Richardson, A240
P. O. Box 97
Perry, Ohio 44081

FirstEnergy Nuclear Operating Company
Perry Nuclear Power Plant

Controlled Document Instruction Sheet

Manual: Emergency Plan Implementing Instructions EPI-A10 / REV. 4, C-2

Control Number 60

Revision Number	Temporary Change No.	Insert	Remove
4	C-2	Entire Document	Entire Document

The Cleveland Electric Illuminating Company

PERRY OPERATIONS MANUAL

Emergency Plan Implementing Instruction

TITLE: RE-ENTRY/RECOVERY

REVISION: 4 EFFECTIVE DATE: 1-8-96

PREPARED: Joseph D. Anderson 9-26-95
/ Date

EFFECTIVE PIC's

PIC No.	Type of Change	Effective Date
1	Intent	7-10-97
2	Admin	1-31-97 n/a/c

RE-ENTRY/RECOVERY

Table of Contents

SCOPE OF REVISION:

Rev. 4 -
1. Revised to reflect current instruction format.
2. Consolidates re-entry and recovery responsibilities and actions into EPI-A10; EPI-A9 canceled.
3. Recovery Organization revised in its entirety to reflect plant organization restructuring and to clarify re-entry criteria during the recovery phase.
4. Revises Recovery Plan Outline.

Change History

PIC Number: 1 Affected Pages: i, ii, iv, 1, 2, 2a, 2b, 3, 4, 4a, 5, 6, 7, 8, 10, 11, 12, 13, 13a, 13b, 13c, 13d, 13e

Summary of Change:

1. Addresses interfaces with the NRC and DOE, and describes NRC response modes and DOE capabilities.
2. Addresses the establishment of short and long-term priorities and guidelines for a preliminary recovery plan.
3. Addresses NRC Site Team Composition, ERO Counterparts, and seating.

PIC Number: 2 Affected Pages: i, iv, 2, 6, 8, 9

Summary of Change:

1. Changes references to PAP-0514 to HPI-B0003.

RE-ENTRY/RECOVERY

1.0 PURPOSE

This instruction provides guidance for the establishment of a Recovery Organization and transition from the initial emergency response mode to a longer term recovery mode, and the planned re-entry during the Recovery phase into evacuated in-plant and site areas in support of recovery efforts. Guidance is also provided on Federal response actions and facilities.

Entry into the Recovery phase and the establishment of a Recovery Organization are required when terminating from a Site Area Emergency or General Emergency. The Emergency Coordinator's judgment shall be used in determining whether entry into the Recovery phase is beneficial when terminating from an Alert classification.

2.0 REFERENCES

2.1 Source References:

1. Emergency Plan for the Perry Nuclear Power Plant, Docket Nos. 50-440/50-441

2.2 Use References:

1. Emergency Plan Implementing Instruction (EPI) A1: "Emergency Action Levels"
2. Emergency Plan Implementing Instruction (EPI) A7: "Operations Support Center Activation"
3. Emergency Plan Implementing Instruction (EPI) B1: "Emergency Notification System"
4. Emergency Plan Implementing Instruction (EPI) B7a: "Automated Offsite Dose Calculations"
5. Emergency Plan Implementing Instruction (EPI) B7b: "Manual Offsite Dose Calculations"
6. Emergency Plan Implementing Instruction (EPI) B8: "Protective Actions and Guides"
7. Emergency Plan Implementing Instruction (EPI) B9: "Emergency Records"
8. Emergency Plan Implementing Instruction (EPI) B10: "Emergency Radiological Environmental Monitoring Program"

9. Health Physics Instruction (HPI) B0003: "Processing of Personnel Dosimetry"

10. Plant Administrative Procedure (PAP) 1701: "Records Management Program"

11. Nuclear Regulatory Commission (NRC) Response Coordination Manual, 1996 (RCM-96).

12. Commitments addressed in this document:

    P00028 P00030 P00031 P00058 P00090

3.0 DEFINITIONS

3.1 Recovery

That phase of the response which occurs after the plant conditions have stabilized and are under control, and a decision has been reached to terminate from the emergency phase. Recovery consists of those actions required to either restore the plant as closely as possible to pre-accident status or to a safe, long-term shutdown condition.

3.2 Re-entry

The planned return during the Recovery phase to an evacuated area, either in-plant or onsite, to perform a specific operation, assessment or repair in support of Recovery efforts, i.e., manipulation or repair of critical equipment and systems.

3.3 Federal Radiological Response Plan

Describes the coordination of Federal response activities, with the NRC serving as **Lead Federal Agency (LFA)** for nuclear facilities licensed by the NRC. LFA will coordinate Federal response from the Federal Response Center (FRC), established locally in coordination with the Federal Emergency Management Agency (FEMA) and the State of Ohio.

3.4 Federal Radiological Monitoring and Assessment Center (FRMAC)

Provides operational framework for coordinating all offsite Federal radiological monitoring efforts to provide the following radiological information to the State of Ohio and the LFA: (1) plume and deposition predictions; (2) air and ground concentrations, and (3) isotopic concentrations in environmental media. The U.S. Department of Energy (USDOE) is responsible for establishing and the initial management of the FRMAC.

3.5 Lead Federal Agency

The Nuclear Regulatory Commission (NRC) will serve as the Lead Federal Agency (LFA) for an emergency at the Perry Plant in accordance with the Federal Radiological Emergency Response Plan (FRERP). NRC responsibilities as the LFA include the following:

- o Coordinating all Federal on scene actions;
- o Overseeing the onsite response, monitoring and supporting the owner or operator's activities, and providing Federal information about onsite conditions;
- o Assisting the State and local governments in determining measures to protect life, property, and the environment by providing technical information and protective action recommendations, if possible, in conjunction with the Federal Emergency Management Agency (FEMA), Environmental Protection Agency (EPA), the U.S. Department of Health and Human Services (HHS), the U.S. Department of Agriculture (USDA), and other Federal agencies, as necessary;
- o Coordinating Federal information to the public, the media, the White House, and Congress; and
- o Coordinating the overall activity of Federal agencies involved in the recovery process.

As the LFA, additional assistance can be requested by the Perry Plant through the NRC for U.S. Department of Energy (DOE) or other Federal support. A detailed listing of Federal agency response missions, capabilities, and authorities is contained in the FRERP.

Section Q (Concept of Operations - NRC Incident Response) of the <Response Coordination Manual (RCM) 1996> describes the NRC concept, purposes, and organization for performing essential functions during a Federal response to a severe radiological accident, with an emphasis on State and Federal coordination.

4.0 RESPONSIBILITIES

4.1 Emergency Coordinator

1. Coordinate the completion of pre-recovery actions, and direct the entry into the Recovery phase. <P00028>
2. Ensure Nuclear Regulatory Commission (NRC) is briefed on significant changes in event/plant status and priorities, and support the development of NRC Site Team personnel.

4.2 **Recovery Director**

1. Direct the activities of the Recovery Organization.

2. Support Company Nuclear Review Board (CNRB) oversight.

3. Serve as a point of contact for the Company Spokesperson.

4.3 **Engineering Manager**

1. Coordinate engineering activities in support of plant recovery efforts.

2. Interface with the Institute of Nuclear Power Operations (INPO) and other Industry and owners groups.

4.4 **Plant Recovery Manager**

1. Coordinate the development of a recovery plan and establishment of short and long-term priorities.

2. Manage onsite activities, including the re-entry into evacuated site areas, in support of plant recovery efforts.

4.5 **Operations Coordinator**

1. Coordinate operations activities in support of plant recovery efforts.

4.6 **Maintenance Coordinator**

1. Coordinate in-plant maintenance and instrumentation and control (I&C) activities, including the coordination and briefing of re-entry teams, in support of plant recovery efforts.

4.7 **Radiation Protection Coordinator**

1. Coordinate health physics, in-plant radiological assessment, and dosimetry activities in support of plant recovery efforts, including re-entry team activities.

4.8 **Chemistry and Environmental Coordinator**

1. Coordinate offsite dose assessment and environmental monitoring, in-plant chemistry, and radwaste activities in coordination with the State of Ohio and the Federal Radiological Monitoring and Assessment Center (FRMAC).

4.9 **Security Coordinator**

1. Coordinate site protection activities, including interfaces with Federal, State of Ohio and local law enforcement agencies, in support of plant recovery efforts.

4.10 **OSC Coordinator or Re-entry Team Coordinator**

1. Brief and ensure adequate health physics and material/equipment support for re-entry team personnel.

4.11 **Planning and Logistics Manager**

1. Plan and schedule plant recovery activities, including the coordination of logistics in support of the Recovery Organization.

4.12 **Offsite Recovery Assistant**

1. Ensure that Federal, State of Ohio and local officials are kept advised of plant and recovery status.

2. Coordinate Federal and State resources in support of plant recovery efforts.

5.0 ACTIONS

5.1 Emergency Coordinator

5.1.1 Direct the formation of a Recovery Organization using the staffing guidelines contained in the Recovery Organization Guidelines (Attachment 1) to develop a preliminary Recovery Plan.

5.1.2 Ensure NRC Site Team staff dispatched to site is briefed on significant changes in event/plant status and priorities, and facilitate communication between Site Team members and plant counterparts (Attachment 3).

5.1.3 Coordinate plant assessment and preliminary recovery actions with FRC and FRMAC when established for a significant offsite release prior to entering the Recovery Phase.

5.1.4 Direct the quarantine of damaged or failed equipment/components when restoration is no longer possible or need to support emergency efforts.

5.1.5 Prior to the termination of the emergency phase and entry into recovery, direct re-entry into evacuated in-plant and site areas through the Operations Support Center (OSC) per <EPI-A7>.

5.1.6 Terminate from the emergency phase and enter into Recovery once the following has been met:

- o The criteria in <EPI-A1> has been met for termination of the event.
- o A Recovery Organization has been established.
- o A preliminary Recovery Plan has been developed and approved by the Vice President - Nuclear, or his alternate.

5.1.7 Notify the State of Ohio and local counties within 15 minutes and the Nuclear Regulatory Commission (NRC) per <EPI-B1> of the termination of event and entry into the Recovery phase. <P00031>

5.2 Recovery Director (Vice President - Nuclear or designated alternate)

5.2.1 Establish a Recovery Organization using the guidelines contained in Attachment 1.

NOTE: Attachment 1 serves as a guide in establishing a Recovery Organization. The Recovery Director must use appropriate judgment in modifying or expanding the Recovery Organization to meet specific recovery and other post accident requirements.

5.2.2 Approve a preliminary Recovery Plan and direct the implementation, and revision if required, of the Recovery Plan.

5.2.3 Continue to coordinate plant recovery and radiological monitoring/assessment actions with the FRC and FRMAC, when activated.

5.2.4 Direct the deactivation of emergency facilities, when no longer required, and the reassignment of facility staff to support recovery efforts.

NOTE: The OSC should be maintained operational and staffing adjusted as appropriate to support Recovery efforts and re-entry into evacuated site and in-plant areas.

5.2.5 Approve Company news statement regarding the plant status and recovery activities to be released by the Joint Public Information Center (JPIC), if operational, or the Company Spokesperson.

5.2.6 Direct the Recovery Organization to evaluate all recovery operations to identify activities which may result in the release of radioactivity to the environment; ensure that Federal, State and local officials are informed of events associated with the release, including the magnitude, through the Offsite Recovery Assistant. <P00030>

5.2.7 Coordinate appropriate independent review and audit activities with CNRB members.

5.2.8 Interface with offsite agencies and officials through the Recovery Advisor on the status of plant recovery efforts, and on Federal and State assistance needed to support recovery efforts.

5.2.9 Ensure Corporate management are kept apprised of recovery efforts, and that sufficient resources are made available to support Recovery Plan activities.

5.2.10 Evaluate the effectiveness of the Recovery Organization and direct the appropriate staff reorganization or revision of the Recovery Plan to address changing needs and priorities.

5.2.11 Direct the demobilization of Recovery Organization facilities and staffing when appropriate.

5.2.12 Upon completion of recovery operations, perform the following:

1. Apprise onsite and offsite organizations involved in the recovery of the termination of the Recovery phase.

2. Ensure that the news media receives notice of the termination of recovery and a briefing on recovery activities.

3. De-activate any remaining emergency response facilities, and release Recovery Organization personnel no longer needed to support continued plant activities.

4. Review and approve the final log of Recovery Organization activities; forward the log and recovery documentation to Emergency Planning Unit (EPU) for records retention purposes.

5. Direct that a thorough review be conducted of plant/event conditions and actions taken in response to these events during both the emergency and recovery phases.

5.3 **Engineering Manager** (Director, Perry Nuclear Engineering Department or designated alternate)

5.3.1 Coordinate design, system and reactor engineering activities in support of the Recovery Plan and the Plant Recovery Manager.

5.3.2 Coordinate the systematic investigation to determine what plant equipment has failed and the extent of damage. <P00058>

5.3.3 Analyze problems, determine alternatives, and develop options for the recovery of plant systems, structures and components.

5.3.4 Serve as the central point of contact with INPO, General Electric, and other Industry support organizations.

NOTE: Technical and material support is available through General Electric Boiling Water Reactor (BWR) Emergency Support Program and INPO-sponsored mutual assistance agreement between utilities.

5.3.5 Provide a central point for the collection, retention, retrieval, and transmission of plant system and component operational data.

5.3.6 Designate engineering personnel to assist in re-entry team activities to support the assessment and restoration of plant systems and components.

5.4 **Plant Recovery Manager** (General Manager, Perry Nuclear Power Department (PNPPD) or designated alternate)

5.4.1 Coordinate the development and revision of the Recovery Plan, including the established on plant priorities, using the Preliminary Recovery Plan Guidelines (Attachment 4).

5.4.2 Oversee onsite assessment, repair and clean-up activities in support of the plant recovery and restoration based on priorities established in the Recovery Plan, which involves:

1. Direct the actions of PNPPD personnel under the responsibility of the various discipline coordinators.

2. Coordinate with the Planning and Logistics Manager in the planning and scheduling of activities and resources needed to support Recovery Plan priorities.

3. Coordinate with the Engineering Manager in the effective use of engineering resources to support the assessment and restoration of plant systems and components.

5.4.3 Prioritize re-entry team tasks based on Recovery Plan goals and manpower/equipment resources available, and authorize re-entry into an evacuated area after considering both existing and potential conditions and hazards to re-entry team personnel.

5.4.4 Authorize personnel dose extensions per <HPI-B0003> and the use of potassium iodide (KI) per <EPI-B8> in support of re-entry team assessment, repair and clean-up activities.

5.4.5 Direct that a chronological log of recovery actions be kept.

5.4.6 Direct the revision and Plant Operations Review Committee (PORC) review, if applicable, of manual, procedure and instruction changes required to support Recovery Plan efforts.

5.4.7 Periodically apprise the Recovery Director of the status of recovery activities.

5.5 **Operations Coordinator** (Manager, Perry Operations Section (POS) or designated alternate)

5.5.1 Coordinate recovery activities conducted by POS personnel in support of the Recovery Plan with the Control Room.

5.5.2 Ensure in-plant Perry Plant Operator (PPO) activities performed at the direction of the Control Room have required health physics support.

5.5.3 Provide recommendations to the Plant Recovery Manager regarding plant operations concerns and priorities associated with the restoration of plant system, structures and components.

5.5.4 Designate POS personnel to support authorized re-entry team activities.

5.6 **Maintenance Coordinator** (Director, Perry Nuclear Maintenance Department (PNMD) or designated alternate)

NOTE: Prior to the termination of the emergency phase and entry into recovery, a re-entry into an evacuated area will be directed and coordinated per <EPI-A7>.

5.6.1 Recommend the continued operation of the OSC, based on plant status and radiological concerns, to support re-entry team assessment, repair, and clean-up activities.

5.6.2 Direct the OSC Coordinator, or appoint a Re-entry Team Coordinator if the OSC is no longer operational, to brief and dispatch re-entry teams based on priorities established by the Plant Recovery Supervisor.

5.6.3 Ensure adequate health physics coverage is provided for re-entry team activities, including consideration for the use of protective clothing, respiratory protection, and dose extensions.

5.6.4 Ensure adequate Maintenance and I&C personnel are available to support re-entry and other recovery activities.

5.6.5 Keep the Plant Recovery Manager apprised of re-entry team activities.

5.6.6 Provide recommendations to the Plant Recovery Manager regarding maintenance and I&C activities.

5.7 **Radiation Protection Coordinator** (Manager, Radiation Protection Section (RPS) or designated alternate)

5.7.1 Ensure re-entry team personnel are adequately briefed on radiological conditions in the evacuated area to be re-entered, and that adequate protective equipment (i.e., protective clothing, respirator, etc.) is provided for both existing and potential conditions which might be encountered.

1. Coordinate the review and approval for a dose extension or use of KI, if required, per <HPI-B0003> and <EPI-B8> respectively.

5.7.2 Develop plans for plant radiation surveys in support of recovery assessment, repair, and clean-up activities.

5.7.3 Provide required health physics support to the Chemistry and Environmental Coordinator in Post Accident Sampling System (PASS) collection and analysis.

5.7.4 Ensure adequate numbers and types of personnel dosimetry and support equipment is available to support the accurate and timely assessment of personal radiological exposure.

5.7.5 Provide recommendations to the Plant Recovery Manager regarding onsite and in-plant health physics aspects of recovery.

5.8 **Chemistry and Environmental Coordinator** (Manager, Radwaste, Environmental and Chemistry Section (RECS) or designated alternate)

5.8.1 Coordinate offsite environmental monitoring activities with the State of Ohio Emergency Operations Center (Assessment Room), and FRMAC when activated, including:

- Collection and processing of Radiological Environmental Monitoring Program (REMP) TLDs and air samples.
- Collection and analysis of ingestion pathway samples (i.e., water, vegetation, milk, foodstuffs, etc.) per <EPI-B10>
- Estimation of offsite accumulated dose per <EPI-B7a> or <EPI-B7b>.

NOTE: USDOE Response Assets and Arrival Times, requested through the State of Ohio, are outlined in Attachment 5.

5.8.2 Direct the collection and analysis of a PASS sample to determine extent of potential core damage or a Containment air sample to determine activity available for release.

5.8.3 Develop plans and procedures to process and control both solid and liquid radioactive waste generated as a result of emergency and recovery phase activities.

5.8.4 Provide recommendations to the Plant Recovery Manager regarding plant chemistry, environmental monitoring and radwaste activities.

5.9 **Security Coordinator** (Manager, Site Protection Section (SPS) or designated alternate)

5.9.1 Coordinate the augmentation of the plant's security force in support of recovery activities.

5.9.2 Serve as the interface with Federal, State of Ohio, and local law enforcement agencies in regards to security contingency issues.

5.9.3 Provide recommendations to the Plant Recovery Manager regarding security related aspects of recovery.

5.10 **OSC Coordinator or Appointed Re-entry Team Coordinator**

NOTE: Prior to the termination of the emergency phase and entry into recovery, a re-entry into an evacuated area will be directed and coordinated per <EPI-A7>.

5.10.1 Coordinate the briefing of re-entry team personnel, as directed by the Maintenance Coordinator, using an OSC Briefing/Debriefing Sheet (PNPP No. 7993) or equivalent method to ensure the following:

- Task description and required personnel
- Location of the task and, if required, recommended routes to the area
- Communications methods and frequencies
- Precautions against known or potential safety hazards
- Current and available dose and, if required, authorization for a dose extension or use of KI per <HPI-B0003> and <EPI-B8> respectively
- Protective clothing, dosimetry, and respiratory protection requirements.

5.10.2 Maintain communications with re-entry teams, and provide additional assistance or direct the withdrawal of a re-entry team if necessary.

5.10.3 Ensure that the re-entry team is adequately debriefed upon return, and their findings/observations documented.

5.10.4 Keep the Maintenance Coordinator apprised of re-entry team status and possible concerns.

5.11 **Planning and Logistics Manager** (Director, Perry Nuclear Services Department (PNSD) or designated alternate)

5.11.1 Direct work activity planning and force outage activities in support of the Recovery Plan priorities, including the procurement of additional or specialty equipment and resources.

5.11.2 Coordinate additional training and processing for company, utility and contractor personnel in support of Recovery Plan activities.

5.11.3 Coordinate obtaining required logistical support for Recovery Organization personnel, i.e., food/lodging, administrative supplies and equipment, etc.

5.11.4 Assist the Plant Recovery Supervisor in the development and revision of the Recovery Plan, as needed, to support existing and anticipated priorities.

5.11.5 Keep the Recovery Director and Plant Recovery Manager apprised of planning and logistical activities.

5.12 **Offsite Recovery Assistant** (Manager, Regulatory Affairs Section (RAS) or designated alternate)

5.12.1 Brief Federal, State of Ohio, and local county officials on plant status and recovery efforts.

5.12.2 Coordinate requests both for and by Federal, State of Ohio, or local officials in support of onsite and offsite recovery activities.

5.12.3 Keep the Recovery Director apprised of Federal, State and local response activities.

5.12.4 Provide input to recovery discussions regarding issues or decisions having a regulatory impact or proposed changes to technical specifications, Updated Safety Analysis Report (USAR), or other requests for regulatory relief.

5.13 **Records**

5.13.1 Records Handling

1. The records generated by emergency response personnel will be collected and maintained by EPU pursuant to <EPI-B9>. The Emergency Records Package will be transferred to Records Management pursuant to <PAP-1701>.

2. Records Capture

The following records are generated by this document:

Quality Assurance Records

Recovery Plan
Recovery Organization Log
OSC Team Briefing/Debriefing Sheet (PNPP No. 7993)

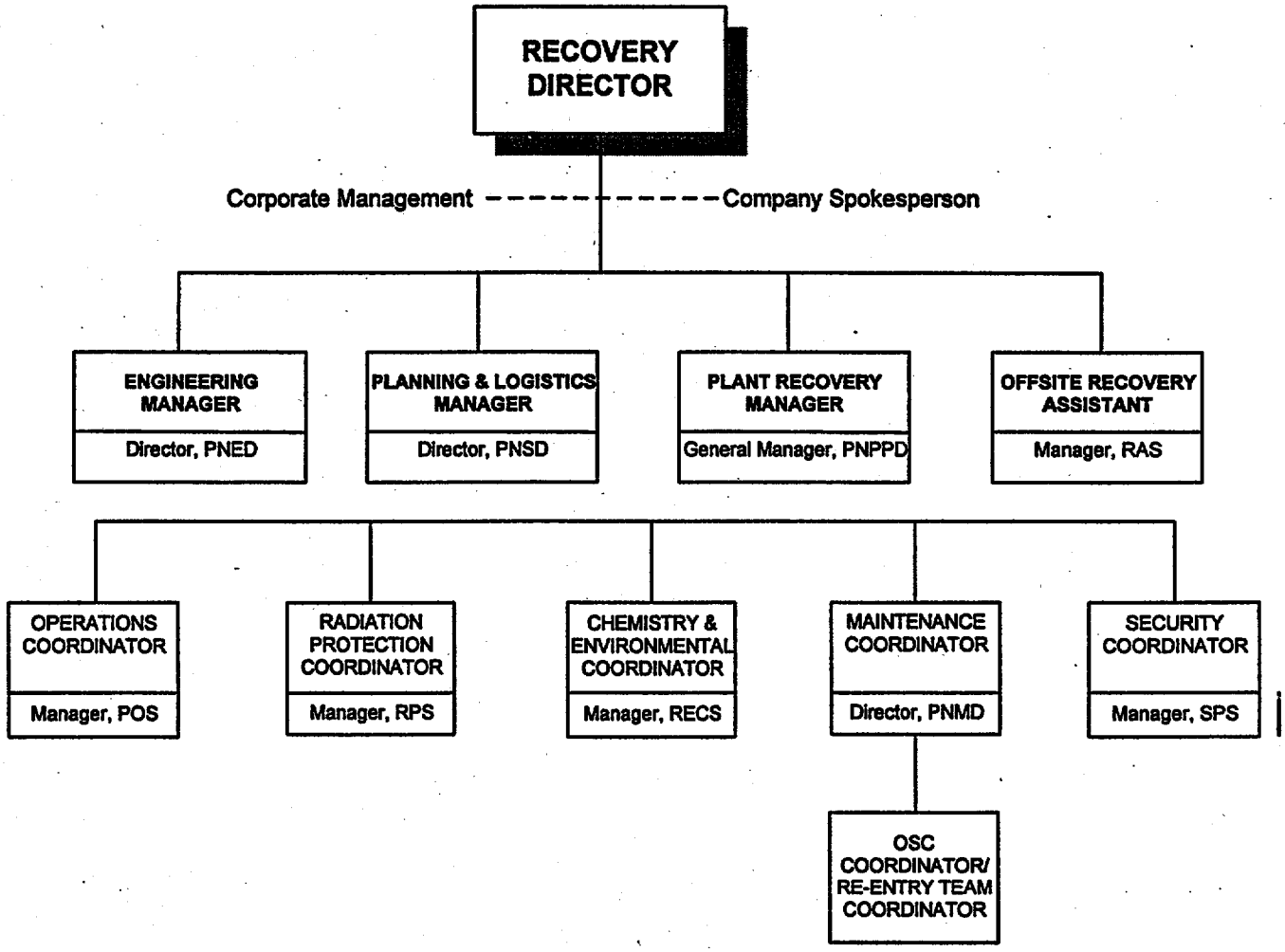
Non-Quality Records

None

NF1014

EPI-A10

RECOVERY ORGANIZATION GUIDELINES



NRC Response Modes

1. **Monitoring Phase of Normal Mode:**[1] The situation may be complex but well understood with no likely safety consequences projected given existing conditions. The region remains in charge, staffing a small team in its Incident Response Center (IRC). Headquarters would provide some assistance and support. State and local officials would be notified.

2. **Standby:** The situation is sufficiently complex or uncertain to require additional monitoring and preparations to increase the NRC response quickly should it prove to be necessary. The NRC Operations Center at headquarters (White Flint, MD) will fully staff and direct the NRC response activities. The regional office will initiate the necessary preparations to send a team to the site. Other Federal organizations are notified but are not directly involved. State and local authorities are notified by NRC. They will have been notified by the licensee and may call the NRC for an interpretation of the event and response.

The following modes, which indicate that an event with clear safety concerns is under way, usually involve direct participation by other Federal organizations.

3. **Initial Activation:** The event calls for the NRC to dispatch a management and analysis team to the site (refer to Attachment 3). During this mode, the response to an event is directed by the NRC Executive Team from the NRC Headquarters Operations Center, while an NRC team is on the way to the site.

4. **Expanded Activation:** The NRC management and analysis team, now called the Site Team, is operational at the site. During this mode, the entire NRC response is directed from the site by the Director of Site Operations with operational authority delegated by the Director of the Executive Team. Other NRC teams act in support of the Director of Site Operations.

5. **Deactivation:** A plan for follow-up activities, including reentry and recovery, is in effect and the NRC is reducing its role consistent with that plan with the concurrence of the Federal Coordinating Officer and the State Coordinating Officer.

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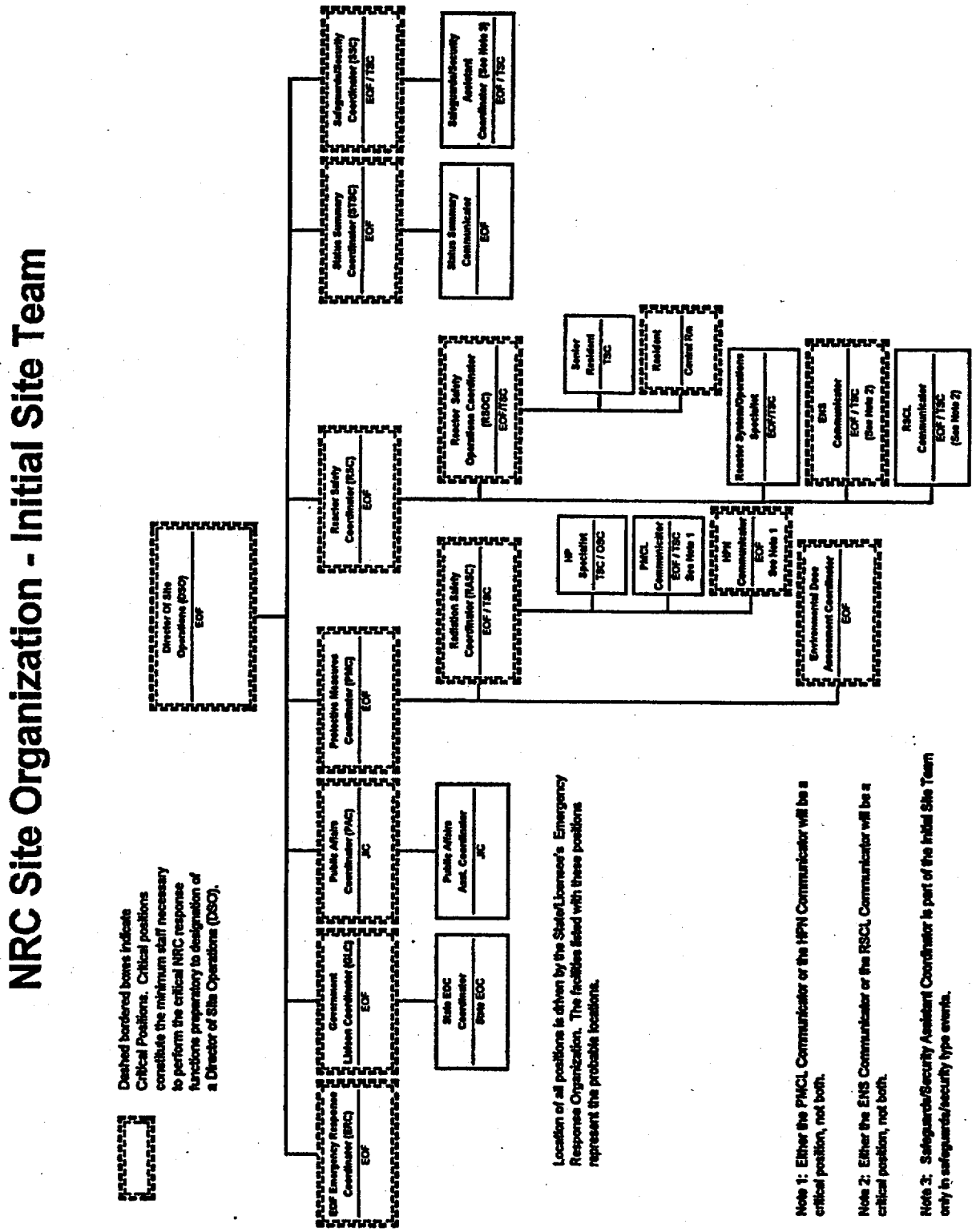
[1]Not an official NRC response mode; used for lesser events of some potential interest.

NRC Site Team Organization, ERO Counterparts, and Suggested Seating



NRC Site Team Organization, ERO Counterparts, and Suggested Seating

B. NRC Site Team/Plant ERO Counterparts:

1. Emergency Operations Facility (EOF)

o NRC Director of Site Operations (DSO)	EOF Emergency Coordinator
o NRC Reactor Safety Coordinator (RSC)	EOF Plant Operations
o NRC Protective Measures Coordinator (PMC)	EOF Offsite Radiation Advisor
o NRC Environmental Dose Assessment Coordinator	EOF Lead Dose Assessor
o NRC Government Liaison Coordinator (GLC)	EOF Regulatory Affairs Coordinator
o NRC Public Affairs Coordinator (PAC)	EOF Information Liaison

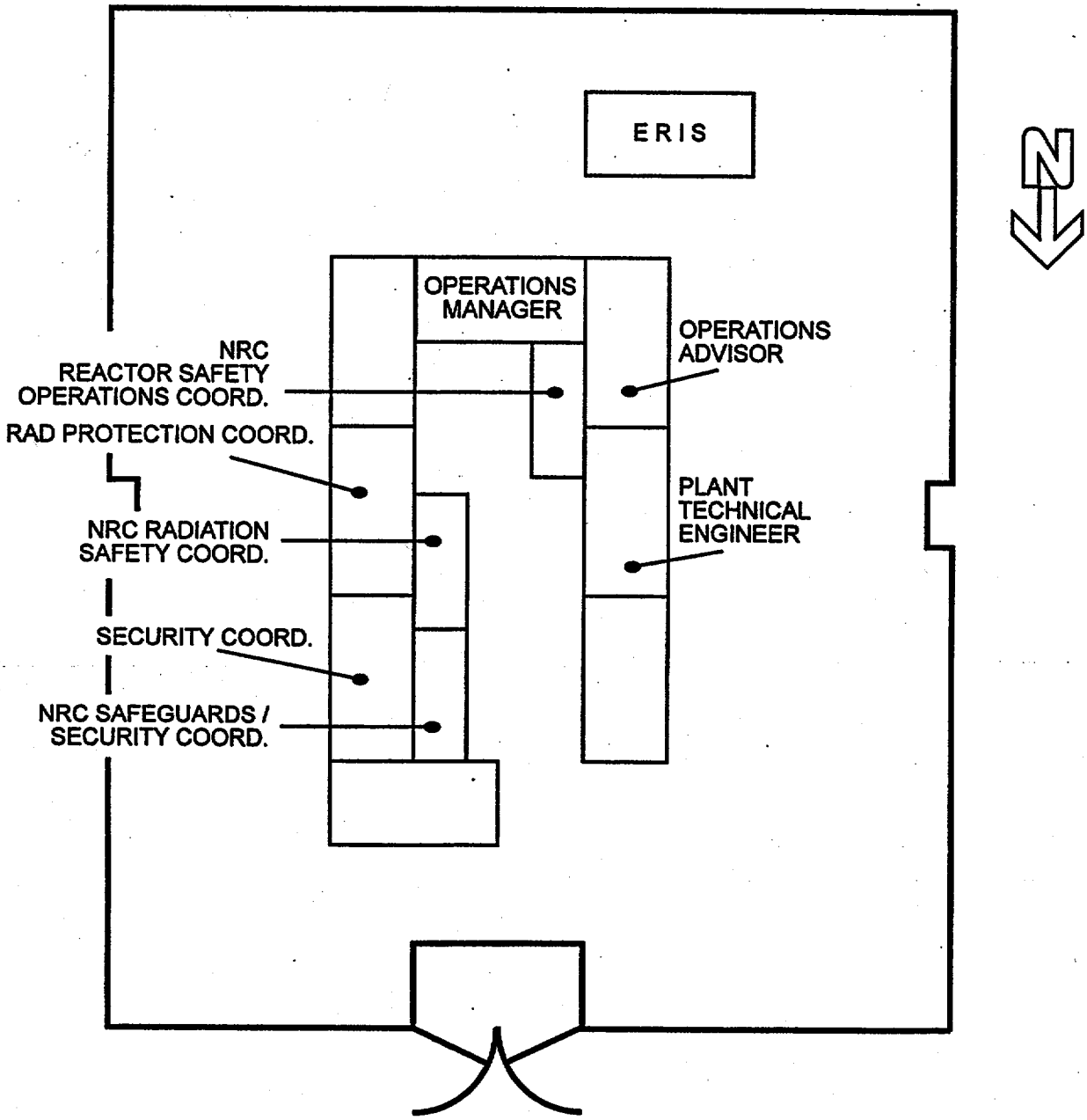
2. Technical Support Center (TSC)

o NRC Reactor Safety Operations Coordinator (RSOC)	TSC Operations Advisor/ Plant Technical Engineer
o NRC Radiation Safety Coordinator (RASC)	TSC Radiation Protection Coordinator
o NRC Safeguards/Security Coordinator (SSC)	TSC Security Coordinator

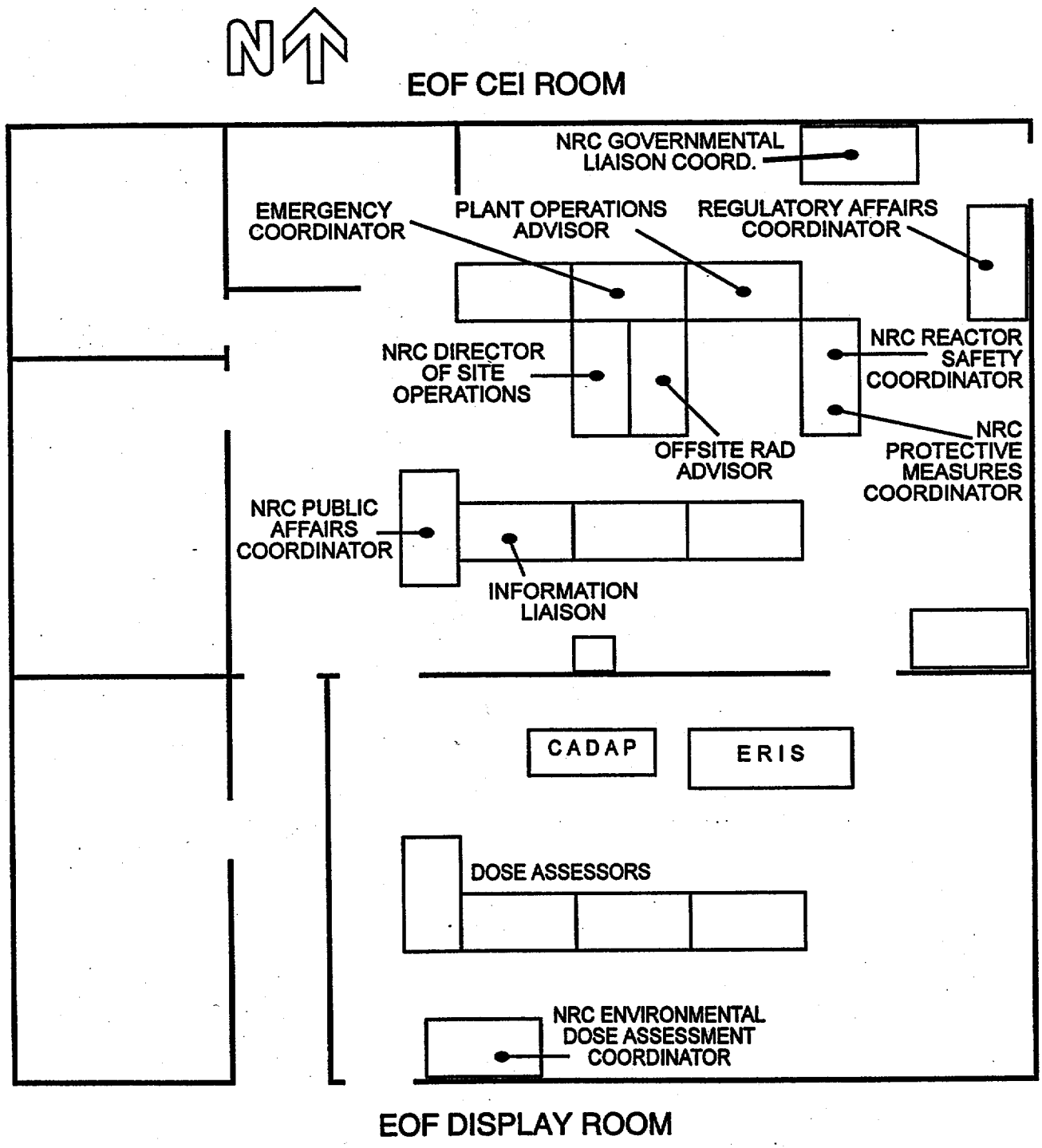
NRC Site Team Organization, ERO Counterparts, and Suggested Seating

C. NRC Site Team Suggested Seating:

TSC DISPLAY ROOM



NRC Site Team Organization, ERO Counterparts, and Suggested Seating



Preliminary Recovery Plan Guidelines

1. **Identify short and long term priorities.** First, focus on the tasks or big picture needs!

   A **"short-term priority"** refers to those actions needed to be completed prior to transitioning from the Emergency (Plume) Phase to a Recovery Phase.

   - o Restoration of Containment integrity (i.e., isolation of penetration) or actions taken to ensure continued integrity (i.e., double isolation, methods of reducing Containment pressure, evaluation of the impact of a severe pressure transient on Containment, etc.).
   - o Systems or equipment required to ensure adequate core cooling and long-term decay heat removal, etc.
   - o Direct the quarantining of damaged or out of service systems and components not required to meet short-term priorities until a formal root cause evaluation with NRC concurrence can be initiated. A detailed record of all OSC repair and TSC engineering assessment actions on affected plant systems and components must be compiled to provide historical record.

   A **"long-term" priority** refers to those actions needed to assess the overall impact on plant systems and structures and coordinate the systematic restoration of plant systems and clean-up of plant areas once the Recovery Phase is entered.

2. **Identify manpower, equipment, and other resources (both Company and contractor support) needed to address established priorities.** This will include support needed for the training, food/lodging, and security clearances for contractor personnel, etc.

3. **Continued staffing requirements needed to support continued emergency response efforts and immediate "short-term" priorities.**

4. **Identify required Federal and State of Ohio assistance required to support continued radiological and environment monitoring.**

5. **Identify actions needed to support continued site access and staffing of recovery activities, including personnel logistical needs (food, lodging, etc.) and employee personal concerns and family needs.**

DOE Response Assets and Arrival Times

STATE REQUEST FOR ASSISTANCE

⇓

RAP TEAM
DOE RADIOLOGICAL ASSISTANCE PROGRAM (RAP)
[WITHIN 2-6 HOURS AFTER REQUEST]

⇓

ARAC PLOTS
ATMOSPHERIC RELEASE ADVISORY CAPABILITY (ARAC)
@ LAWRENCE LIVERMORE NATIONAL LABORATORY
[WITHIN 2-4 HOURS AFTER REQUEST]

⇓

DOE AERIAL MEASURING SYSTEM (AMS)
[WITHIN 4-8 HOURS AFTER AUTHORITY GIVEN TO DEPLOY]

⇓

FRMAC ADVANCE PARTY
FEDERAL RADIOLOGICAL MONITORING AND ASSESSMENT CENTER
[WITHIN 4-8 HOURS AFTER ACTIVATION]

⇓

FULL FRMAC(1)
[24-36 HOURS AFTER REQUEST]

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1 FRMAC may deploy as few as 20, or as many as 300 or more people to the site of an emergency.