

Davis Besse Power Station  
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Davis-Besse Nuclear Power Station

EMERGENCY PLAN IMPLEMENTING PROCEDURE

RA-EP-02640

(Supersedes RA-EP-02640, R00)

STATION RADIOLOGICAL SURVEYS AND CONTROLS DURING EMERGENCIES

REVISION 01

Prepared by: Dennis J. Gordon

Procedure Owner: Manager - Security

Effective Date: SEP 11 2002

Procedure Classification:

- Safety Related
- Quality Related
- Non-Quality Related

**LEVEL OF USE:**  
**IN-FIELD REFERENCE**

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## 1.0 PURPOSE

This procedure provides guidelines for the implementation of radiological surveys and controls during emergency conditions at Davis-Besse Nuclear Power Station.

## 2.0 REFERENCES

### 2.1 Developmental

2.1.1 Davis-Besse Nuclear Power Station Emergency Plan

### 2.2 Implementation

2.2.1 DB-HP-01112, Gamma Spectral Analysis

2.2.2 DB-HP-04007, Emergency Supply Checklist

2.2.3 DB-HP-06015, Stabilized Assay Meter SAM-2

2.2.4 RA-EP-02410, OSC Activation and Response

2.2.5 RA-EP-02610, Emergency RP Organization Activation and Response

## 3.0 DEFINITIONS

3.1 Emergency Response Survey Team (ERST) - A team comprised of at least two individuals whose function is to perform radiological surveys during emergencies. At least one of these individuals shall be a Radiation Protection (RP) Technician or Assistant RP Technician.

3.2 Emergency Response Team (ERT) - A team normally comprised of Operations Support Center (OSC) pool members who provide support for first aid, fire brigade, emergency repair, or search and rescue.

3.3 Radiologically Restricted Area (RRA) - Any area where access is controlled for the purpose of protection of personnel from exposure to radiation or radioactive materials.

3.4 Radiation Work Permit (RWP) - A Radiation Protection document which establishes Radiation Protection requirements, authorization to enter a Radiologically Restricted Area (RRA) and permission to receive radiation exposure.

#### 4.0 RESPONSIBILITIES

- 4.1 The Operations Support Center (OSC) Radiation Protection (RP) Coordinator shall be responsible for implementing this procedure.
- 4.2 Emergency Response Survey Teams (ERSTs) shall be responsible for:
  - 4.2.1 Performing surveys during radiological emergencies to:
    - a. Determine emergency response facility habitability which may be affected by plume passage or plant conditions.
    - b. Validate area and process radiation monitor readings.
  - 4.2.2 Support Emergency Response Teams (ERTs) when dispatched.

#### 5.0 INITIATING CONDITIONS

- 5.1 This procedure should be initiated upon any of the following conditions:
  - 5.1.1 Any of the following emergency classifications have been declared, and in the judgment of the OSC RP Coordinator, normal Radiation Protection procedures would inhibit the required emergency response.
    - a. Alert
    - b. Site Area Emergency
    - c. General Emergency
  - 5.1.2 At the discretion of the Emergency Director.

**6.0** PROCEDURE**6.1** OSC RP Coordinator**6.1.1** Activation

The OSC RP Coordinator should:

- a. Activate the ERST(s) when requested by the OSC Manager in accordance with RA-EP-02410, OSC Activation and Response.

**NOTE 6.1.1.b**

In situations where immediate corrective action is necessary to reduce the consequences of an event, Radiation Work Permit (RWP) and briefing form requirements may be exempt provided an RP Technician accompanies the ERT(s).

- b. Suspend all RWPs in accordance with RA-EP-02610, Emergency RP Organization Activation and Response.
- c. Ensure emergency equipment used to support surveying and radiological coverage is available as listed in accordance with DB-HP-04007, Emergency Supply Checklist.
- d. Obtain current readings from the Radiation Protection Technician observing the Radiation Monitoring System (RMS) in the Control Room in accordance with RA-EP-02610, Emergency RP Organization and Response.

**6.1.2** Operation

The OSC RP Coordinator should:

- a. Establish and coordinate the frequency and location of radiological surveys with the Emergency RP Manager.
- b. Ensure all key radiation protection decisions are documented and agreed to with the Emergency RP Manager.
- c. Continue to monitor the RMS readings.

NOTE 6.1.2.d

Emergency Team Briefing Form, DBEP-024, page 1 of 2, shall serve as a RWP specifying radiation protection requirements.

- d. Ensure the ERST(s) are briefed on the surveys to be performed following the guidelines of the Emergency Team Briefing Form, DBEP-024, page 1 of 2.
- e. Dispatch the team(s) to the area(s) to be surveyed.
- f. Debrief the ERST(s) once the survey is complete using the Emergency Team Debriefing Form, DBEP-024, page 2 of 2.
- g. Ensure appropriate protective measures are taken based on the following:
  - 1. Area radiological conditions and postings.
  - 2. Area habitability concerns in areas occupied by personnel. (Refer to RA-EP-02610, Emergency RP Organization Activation and Response.)
  - 3. Accident analysis.
- h. Inform the Emergency RP Manager and OSC Manager of all key survey analysis and protective measures as determined by Step 6.1.2.g.
- i. Ensure a designated sample analysis area is established.

### 6.1.3 Deactivation

The OSC RP Coordinator should:

- a. Ensure all ERSTs have been debriefed.
- b. Return all emergency equipment to its proper storage location and inventory.
- c. Forward all records generated during the emergency to the OSC Manager.
- d. Document and report any procedural or equipment deficiencies to the Supervisor - Emergency Preparedness.

6.2 Emergency Response Survey Team (ERST)

The ERST should:

- 6.2.1 Receive a briefing from the OSC RP Coordinator or designee using Emergency Team Briefing Form, DBEP-024, page 1 of 2, which shall be used for identifying radiation protection requirements.
- 6.2.2 Prepare equipment and perform preoperational checks in accordance with appropriate procedures.

CAUTION 6.2.3

When entering areas of unknown radiological conditions where actual or potential radiation dose rates are in excess of 1000 mrem/hr, two radiation survey instruments of different types should be used to monitor area dose rates.

An example of two different types would be a high range gamma sensitive instrument and a high range ion chamber instrument.

- 6.2.3 Proceed to the area(s) to be surveyed and perform a radiation survey to identify general area dose rates.

WARNING 6.2.4

**EXIT THE AREA IMMEDIATELY** if in the judgment of any team member, a condition exists that jeopardizes personnel safety.

CAUTION 6.2.4

Immediately communicate any abnormal conditions to the Operations Support Center (OSC).

- 6.2.4 Observe both radiological and environmental hazards in areas such as:
  - a. Steam leaks
  - b. Piping failures
  - c. Extremely high radiation dose rates.

**NOTE 6.2.5**

Ensure ALARA concepts are used for all airborne radiological surveys.

- 6.2.5 Obtain a breathing zone air sample for entries into known or suspected airborne radioactivity areas, if practical.
- 6.2.6 **IF** air sampling is appropriate, **THEN** identify a suitable area to take an air sample. Place the air sampler intake at least three feet above the floor and point away from equipment obstructions and visible leaks.

**NOTE 6.2.7**

Silver zeolite cartridges should be used in portable air sampling instruments to selectively collect iodine over noble gases under accident conditions.

- 6.2.7 Start and run the air sampler.

**CAUTION 6.2.8**

If activated charcoal cartridges (e.g. CP-100) are used under accident conditions, use extreme caution when retrieving and handling these cartridges as there is a potential for high personnel exposure. A pre-survey of the filter housing should be made prior to handling.

- 6.2.8 Record the sample date, air sampler start and stop time, location, and stop time, location, and flow rate on sample bag label.
- 6.2.9 Use Emergency Radiological Survey Form, DBEP-038, to record radiation, contamination, and airborne survey data.
- IF** the situation does not allow for completion of survey forms, **THEN**, the Emergency Team Debriefing Form, DBEP-024, shall be used.
- 6.2.10 Continue the area radiation survey. Occasionally check the beta dose rate by taking open window (w/o) versus closed window (w/c) readings.
- 6.2.11 If practical, identify suitable locations for contamination surveying and smear an appropriate number of locations to determine the extent of surface contamination.

- 6.2.12 Transport samples to the designated sample analysis area.
- 6.2.13 After the survey is complete, debrief with the OSC RP Coordinator or designee using the Emergency Team Debriefing Form, DBEP-024, Page 2 of 2.

NOTE 6.2.14

Before taking the CP-100 charcoal filter cartridge into a low background area for analysis, consider purging the cartridge of any entrapped noble gas using nitrogen gas or uncontaminated air.

CAUTION 6.2.14

Before analyzing any air samples, run a background check on the counting system to determine any changes in background. If the background is not acceptable, shield or relocate the counting equipment.

- 6.2.14 Analyze the air samples and record results on DBEP-038, Emergency Radiological Survey Form, or DBEP-024, Emergency Team Debriefing Form, Page 2 of 2, if appropriate.
- 6.2.15 IF it is not feasible to analyze iodine cartridges in accordance with DB-HP-01112, Gamma Spectral Analysis, THEN refer to DB-HP-06015, Stabilized Assay Meter SAM-2, for analysis.

7.0 FINAL CONDITIONS

- 7.1 All records generated are completed and have been forwarded to the Supervisor - Emergency Preparedness.
- 7.2 All equipment and supplies have been inventoried and returned to storage.

**8.0**    **RECORDS**

**8.1**    The following quality assurance records are completed by this procedure and shall be listed on the Nuclear Records List, captured, and submitted to Nuclear Records Management in accordance with NG-NA-00106.

8.1.1   None

**8.2**    The following non-quality assurance records are completed by this procedure and may be captured and submitted to Nuclear Records Management in accordance with NG-NA-00106.

8.2.1   Emergency Team Briefing Form

8.2.2   Emergency Team Debriefing Form

8.2.3   Emergency Radiological Survey Data

COMMITMENTS

<u>Step Number</u>	<u>Reference</u>	<u>Comments</u>
6.2.9 6.2.13 6.2.14	TERMS O16753	Radiological Survey Documentation
Entire Procedure	TERMS Q 03111	Emergency Preparedness Organization Procedures

END

Davis-Besse Nuclear Power Station

EMERGENCY PLAN IMPLEMENTING PROCEDURE

RA-EP-02720

(Supersedes RA-EP-02720/R01

RECOVERY ORGANIZATION

REVISION 02

Prepared by: B. W. "Skip" Cope

Procedure Owner: Manager - Security

Effective Date: SEP 11 2002

Procedure Classification:

- Safety Related
- Quality Related
- Non-Quality Related

**LEVEL OF USE:**  
**IN-FIELD REFERENCE**

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## 1.0 PURPOSE

- 1.1 To provide guidance for the initiation and conduct of recovery operations after an incident which has resulted in the implementation of the Davis-Besse Nuclear Power Station Emergency Plan.

## 2.0 REFERENCES

### 2.1 Departmental

2.1.1 Davis-Besse Nuclear Power Station Emergency Plan

2.1.2 Corporate Emergency Response Plan (CERP)

### 2.2 Implementation

2.2.1 RA-EP-01500, Emergency Classification

2.2.2 RA-EP-02710, Reentry

## 3.0 DEFINITIONS

- 3.1 **RECOVERY** – That phase of the response which occurs after the emergency conditions have been controlled and/or corrected, and the emergency terminated. Recovery consists of those actions required to restore the Station as closely as possible to pre-accident status; or to a safe, long-term shutdown.
- 3.2 **ADVISORY SUPPORT GROUP** - Persons selected by the Recovery Director based on the need for their individual areas of expertise. Typically this group will consist of senior representatives from the Company, Framatome, Bechtel, Nuclear Regulatory Commission (NRC), Institute of Nuclear Power Operations (INPO), American Nuclear Insurers (ANI), and Nuclear Mutual Limited (NML).

## 4.0 RESPONSIBILITIES

- 4.1 The Recovery Director shall be responsible for directing the activities of the Recovery Organization.
- 4.2 The Plant Recovery Manager shall be responsible for directing all onsite activities supporting the recovery of DBNPS.
- 4.3 The Offsite Recovery Assistant shall be responsible for coordinating offsite recovery and assessment efforts.
- 4.4 The Company Spokesperson shall be responsible for functioning as the official spokesperson for the company on all matters relating to the accident or recovery.

- 4.5 The Radiation Protection Coordinator shall be responsible for coordinating all radiation protection activities conducted in support of the recovery.
- 4.6 The Operations Coordinator shall be responsible for coordinating all operations activities conducted in support of the recovery.
- 4.7 The Maintenance Coordinator shall be responsible for coordinating all maintenance activities conducted in support of the recovery and the planning and scheduling of all recovery activities.
- 4.8 The Engineering Coordinator shall be responsible for coordinating all engineering activities conducted in support of the recovery.
- 4.9 The Supervisor - Emergency Preparedness shall be responsible for the evaluation of all the emergency activities as they relate to the Emergency Plan.
- 4.10 The Advisory Support Group shall be responsible for supporting DBNPS as required.
- 4.11 The Company Nuclear Review Board shall be responsible for the independent review and audit of all recovery activities.
- 4.12 The Emergency Director and Emergency Plant Manager have joint responsibility for determining when an emergency situation is stable and the Station is ready to enter the recovery phase.
- 4.13 The Emergency Offsite Manager is responsible for providing notification of all applicable agencies (federal, state, county, etc.) at the time that an emergency has been terminated, and Recovery has begun.

## 5.0 INITIATING CONDITIONS

- 5.1 The Emergency Director and Emergency Plant Manager have determined that the emergency situation is stable and the Station is ready to enter the recovery phase.

6.0 PROCEDURENOTE 6.1

Modifications to the Recovery Organization may be made as required by the specific incident.

6.1 Recovery Organization

6.1.1 Under the direction of the Vice President – Nuclear, or a designated alternate, the Recovery Organization shall be established as follows:

## a. Unusual Event

The normal onshift organization should be adequate to perform necessary recovery actions and a formal Recovery Plan is not required; however, the Deactivation Report, Attachment 1, shall be completed.

## b. Alert

A formal recovery Organization and/or a Recovery Plan may be established. The Deactivation Report, Attachment 1, shall be completed.

## c. Site Area or General Emergency

1. A formal Recovery Organization shall be established similar to that in Attachment 2, Suggested Recovery Organization

2. A formal Recovery Plan shall be developed as follows:

(a) Reviewing information obtained during reentry.

(b) Using Attachment 3, Recovery Worksheet, coordinate actions as required.

(c) Developing and revising Implementing procedures as required.

6.2 Recovery Director Duties

6.2.1 The Vice President – Nuclear, or designated alternate, shall be the Recovery Director. This individual shall:

a. Direct the development of a Recovery Plan and Implementing Procedures.

- b. Using Attachment 3, Recovery Worksheet, outline all activities associated with the Recovery process.
- c. Ensure that sufficient resources (e.g., funds, manpower, etc.) are available to support the Recovery process.
- d. Coordinate the integration of offsite resources (e.g., federal assistance, resources provided by contractors, etc.) for the Advisory Support Group.
- e. Chair the Advisory Support Group.
- f. Approve all information regarding the accident or the recovery activities to be released by the Public Information Group.
- g. Coordinate appropriate activities with the Corporate Nuclear Review Board (CNRB).
- h. Ensure appropriate work space and assistance is provided to the NRC.
- i. Evaluate the effectiveness of the Recovery Organization and return any portion of the organization to its non-emergency organizational structure when appropriate.
- j. Coordinate with offsite authorities, and provide support as required for offsite recovery activities.

### 6.3 Plant Recovery Manager Duties

- 6.3.1 The Plant Manager, or a designated alternate, shall be the Plant Recovery Manager. This individual shall:
- a. Direct and coordinate all onsite activities in support of recovery and restoration of DBNPS.
  - b. Coordinate the development of, and approve all reentry objectives in accordance with RA-EP-02710.
  - c. Ensure that an accurate chronological log of recovery actions is kept.
  - d. Keep the Recovery Director informed of the status of recovery activities.
  - e. Coordinate the development and implementation of the recovery plans and procedures, under the direction of the Recovery Director.

#### 6.4 Offsite Recovery Assistant Duties

- 6.4.1 The Supervisor – Emergency Preparedness, or a designated alternate, shall be the Offsite Recovery Assistant. This individual shall:
- a. Act as a liaison between DBNPS and the offsite agencies and coordinating recovery and assessment efforts, as requested.
  - b. Coordinate the collection of other offsite radiological data, as required, in support of DBNPS activities.
  - c. Coordinate any ingestion pathway sampling that DBNPS elects to do to supplement that done by the State.

#### 6.5 Company Spokesperson Duties

- 6.5.1 The Company Spokesperson, or designated alternate, is responsible for the following:
- a. Function as the official spokesperson for the Company on all matters relating to the accident or the recovery.
  - b. Coordinating media monitoring and rumor control activities.
  - c. Coordinating with non-Company public information groups (e.g., Ottawa County, Lucas County, Ohio Emergency Management Agency, Nuclear Regulatory Commission, Federal Emergency Management Agency, etc.).
  - d. Interfacing with the news media.

#### 6.6 Radiation Protection Coordinator Duties

- 6.6.1 The Manager – Radiation Protection (RP), or designated alternate, shall be the RP Coordinator. This individual shall:
- a. Perform the actions of reentry, in accordance with RA-EP-02710, if necessary.
  - b. Develop plans and procedure to process and control radioactive waste in a manner supportive of recovery goals.
  - c. Coordinate cleanup and repair activities so as to ensure that worker dose is maintained in accordance with ALARA principles.
  - d. Estimate the total population dose, if directed by the Recovery Director.

- e. Develop plans for plant radiation surveys, sampling and shielding in support of waste system processing, plant repairs and design modification activities.
- f. Designate members of Reentry/Recovery Team(s) dealing with onsite radiological aspects of the response.
- g. Ensure teams are adequately briefed and equipped with the required protective gear, and are familiar with the radiological conditions and precautions for the area to be reentered.
- h. Provide an interface between the team(s) and the Recovery Management to ensure reentry actions are approved and executed in accordance with instructions, and provide the team(s) with the required support.

#### 6.7 Operations Coordinator Duties

- 6.7.1 The Manager – Operations, or a designated alternate, shall be the Operations Coordinator. This individual shall:
- a. Direct all recovery activities conducted by Operations personnel.
  - b. Provide recommendations to the Plant Recovery Manager regarding plant operations aspects of recovery
  - c. Designate members for Reentry, as appropriate.

#### 6.8 Maintenance Coordinator Duties

- 6.8.1 The Manager – Maintenance, or a designated alternate, shall be the Maintenance Coordinator. This individual shall:
- a. Coordinate maintenance activities conducted in support of the recovery.
  - b. Provide recommendations to the Plant Recovery Manager regarding plant maintenance aspects of recovery.
  - c. Designate members for Reentry, as appropriate.
  - d. Coordinate the planning and scheduling of all activities in support of recovery.

#### 6.9 Engineering Coordinator Duties

- 6.9.1 The Director – Engineering or a designated alternate, shall be the Engineering Coordinator. This individual shall:
- a. Direct all recovery activities conducted by Engineering personnel.

- b. Provide a central point for the collection, retention, retrieval and transmission of plant data.
- c. Analyze problems, determine alternatives and develop plans for the recovery of system operations.
- d. Coordinate the development of plans and procedures in support of plant systems and operations activities.
- e. Designate members of Recovery Team(s) dealing with technical and engineering aspects of the plant.

6.10 Emergency Preparedness Duties

6.10.1 Using Attachment 4, Emergency Preparedness Evaluation, as guidance, the Supervisor – Emergency Preparedness, or a designated alternate, shall:

- a. Collect all records within 24 hours of terminating the emergency for evaluation.
- b. Evaluate the Emergency Response Organization in the areas of Activation and Response, Direction and Control, Communication, Equipment and other pertinent categories.
- c. Resolve emergency mitigation problems through discussions, training and/or procedure revisions, as necessary.
- d. Prepare an event report for the Vice President – Nuclear which addresses the areas evaluated and their resolutions.
- e. Ensure all records are retained for further evaluation.

6.11 Advisory Support Group Duties

6.11.1 The Advisory Support Group shall be composed of any offsite resources (e.g., federal assistance, resources provided by contractors, etc.) and shall be responsible for::

- a. Assigning the authority to individuals to represent their respective organizations in making resource commitments and resolving technical issues.

6.12 Company Nuclear Review Board (CNRB) Duties

6.12.1 The CNRB shall provide an independent review and audit of all recovery activities. They shall coordinate, as required, with the Recovery Director to provide this oversight.

### 6.13 Completion of Recovery Operations

- 6.13.1 Upon completion of recovery operations, the Recovery Director shall ensure the following:
- a. All onsite and offsite organizations involved in the recovery have been apprised of the termination of activities.
  - b. The news media has received a final status report on the recovery operations.
  - c. The emergency response facilities have been restored to pre-emergency condition.
  - d. The Deactivation Report, Attachment, is completed.
  - e. A thorough review of actions taken during implementation of the Emergency Plan and during Recovery has been conducted.
  - f. Revisions to the DBNPS Emergency Plan and procedures are identified to the Supervisor – Emergency Preparedness.

## 7.0 FINAL CONDITIONS

- 7.1 This procedure should be terminated when:
- a. The activities under the DBNPS Emergency Plan have been terminated.
  - b. The emergency response facilities have been restored to pre-emergency condition.
  - c. Revisions to the DBNPS Emergency Plan and Procedures have been identified to the Supervisor – Emergency Preparedness.

## 8.0 RECORDS

- 8.1 The following quality assurance records are completed by this procedure and shall be listed on the Nuclear Records List, captured, and submitted to Nuclear Records Management in accordance with NG-NA-00106.
- 8.1.1 None
- 8.2 The following non-quality assurance records are completed by this procedure and may be captured and submitted to Nuclear Records Management in accordance with NG-NA-00106.
- 8.2.1 Deactivation Report

**ATTACHMENT 1: DEACTIVATION REPORT**

Page 1 of 2

Date: \_\_\_\_\_

To: Plant Manager

cc: Supervisor  
Emergency Preparedness

From: \_\_\_\_\_, Emergency Title: \_\_\_\_\_

Subject: Deactivation of \_\_\_\_\_

The following facilities, equipment, supplies and personnel have been deactivated from emergency status and require the indicated actions to be returned to normal status.

1. FACILITIES DEACTIVATED

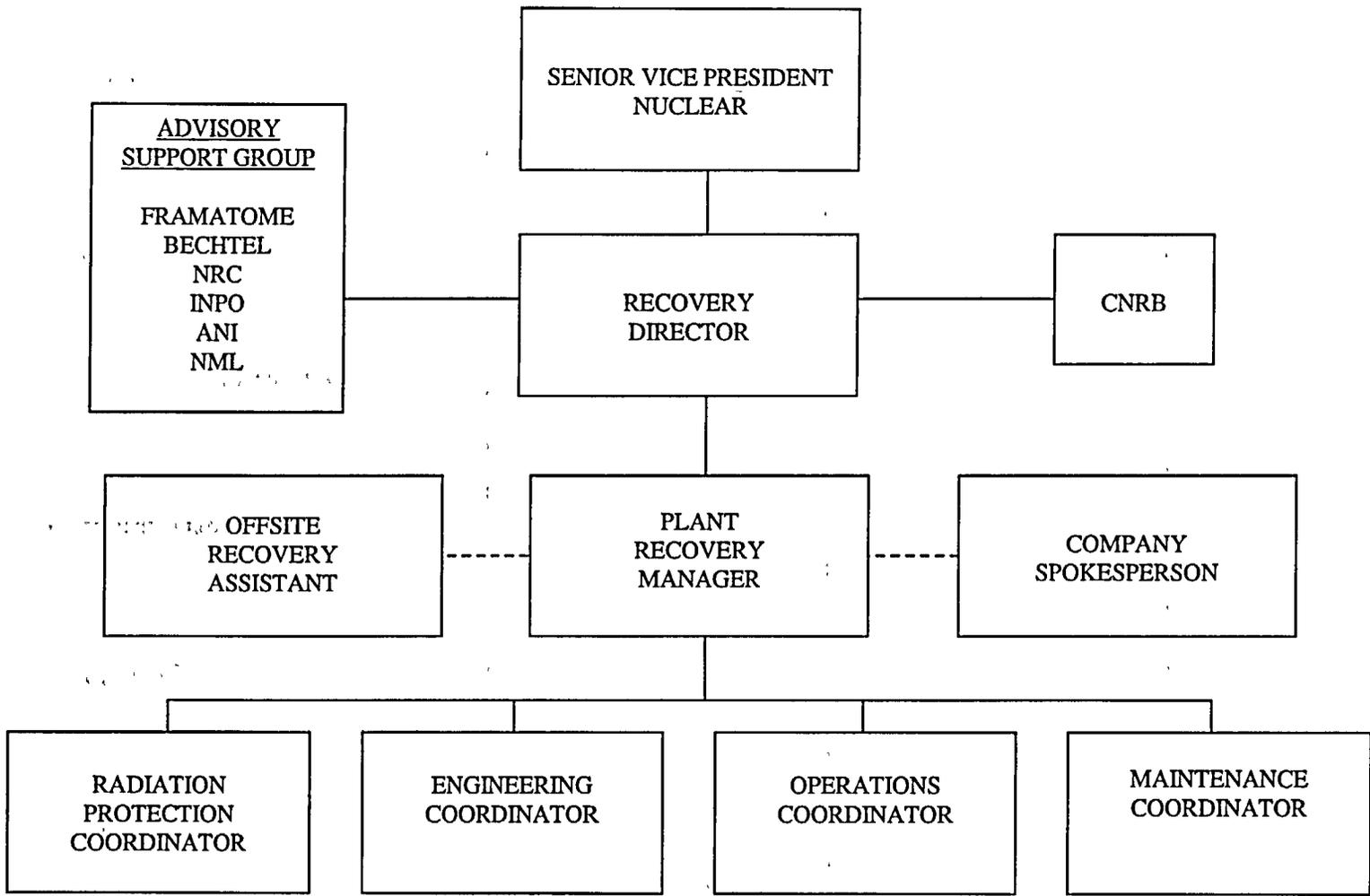
Corrective Action to be Taken to Return to Normal Status:

**ATTACHMENT 1: DEACTIVATION REPORT**

Page 2 of 2

2. **EQUIPMENT PROBLEMS NOTED**

3. **SUPPLIES NEEDED IN ADDITION TO PRESENT INVENTORY**



I. STAFFING NEEDS	IMMEDIATE	SHORT TERM	LONG TERM
<b>A. CONTINUED SHIFT ROTATION</b>			
1. Operations			
2. Maintenance			
3. Chemistry			
4. Radiation Protection			
5. Environmental Monitoring			
6. Logistics			
7. Other			

**I. STAFFING NEEDS (Cont.)**

**IMMEDIATE**

**SHORT TERM**

**LONG TERM**

**B. AUGMENTATION REQUIREMENTS**

1. Operations

2. Maintenance

3. Chemistry

4. Radiation Protection

5. Environmental Monitoring

6. Logistics

7. Other

**ATTACHMENT 3: RECOVERY WORKSHEET**  
Page 2 of 16

I. STAFFING NEEDS (Cont.)	IMMEDIATE	SHORT TERM	LONG TERM
<b>C. TRAINING REQUIREMENTS</b>			
1. Plant Access Training			
2. Specialized			
3. Other			

**I. STAFFING NEEDS (Cont.)**

**IMMEDIATE**

**SHORT TERM**

**LONG TERM**

**D. NONESSENTIAL WORKER RETURN**

1. Plant Access

2. Plant Habitability

3. Transportation Needs

4. Other

**ATTACHMENT 3: RECOVERY WORKSHEET**  
Page 4 of 16

I. STAFFING NEEDS (Cont.)	IMMEDIATE	SHORT TERM	LONG TERM
<b>E. ADVISORY SUPPORT GROUP:</b>			
1. Senior Nuclear Management			
2. Framatome			
3. Bechtel			
4. NRC			
5. INPO			
6. ANI			
7. NML			
8. Other			

**ATTACHMENT 3: RECOVERY WORKSHEET**  
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I. STAFFING NEEDS (Cont.)	IMMEDIATE	SHORT TERM	LONG TERM
F. WORK SPACE REQUIREMENTS			
G. COMMUNICATION REQUIREMENTS			
H. MISCELLANEOUS			

II. PLANT RECOVERY	IMMEDIATE	SHORT TERM	LONG TERM
A. TECHNICAL SPECIFICATION CONSIDERATIONS			
B. CRITICAL SAFETY SYSTEMS			
C. SUPPORT SYSTEMS			

**ATTACHMENT 3: RECOVERY WORKSHEET**  
Page 7 of 16

**II. PLANT RECOVERY (CONT.)**

**IMMEDIATE**

**SHORT TERM**

**LONG TERM**

**D. HABITABILITY SYSTEMS**

*[Faint handwritten notes]*

*[Faint handwritten notes]*

**E. OTHER**

*[Faint handwritten notes]*

*[Faint handwritten notes]*

*[Faint handwritten notes]*

III. RADIATION MONITORING	IMMEDIATE	SHORT TERM	LONG TERM
<p><b>A. EMERGENCY WORKER</b></p> <p>1. Bioassay</p> <p>2. Whole Body Counts</p> <p>3. TLD Chang Out</p> <p><b>B. PERSONNEL MONITORING REQUIREMENTS</b></p> <p><b>C. FIXED ENVIRONMENTAL MONITORING TLD CHANGE OUT</b></p>			

**III. RADIATION MONITORING (CONT.)**

**IMMEDIATE**

**SHORT TERM**

**LONG TERM**

**D. DEPOSITION:**

**1. ONSITE**

a. Restricted Areas

b. Protected Areas

c. Owner Controlled Area

**2. OFFSITE**

a. 10-Mile EPZ

b. 50-Mile EPZ

**ATTACHMENT 3: RECOVERY WORKSHEET**  
Page 10 of 16

**ATTACHMENT 3: RECOVERY WORKSHEET**  
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<b>III. RADIATION MONITORING (Cont.)</b>	<b>IMMEDIATE</b>	<b>SHORT TERM</b>	<b>LONG TERM</b>
<b>E. TOTAL POPULATION EXPOSURE</b>			
<b>F. OTHER</b>			

**IV. PUBLIC RELATIONS**

**IMMEDIATE**

**SHORT TERM**

**LONG TERM**

**A. RUMOR CONTROL**

**B. NEWS MEDIA MONITORING**

**C. PRESS RELEASES**

**ATTACHMENT 3: RECOVERY WORKSHEET**  
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IV. PUBLIC RELATIONS (CONT.)	IMMEDIATE	SHORT TERM	LONG TERM
D. COMMUNITY RELATIONS PROGRAM			
E. OTHER			

**V. ADMINISTRATIVE**

**IMMEDIATE**

**SHORT TERM**

**LONG TERM**

**A. RECOVERY ORGANIZATION CHART**

**B. RECOVERY PLAN DEVELOPMENT**

**C. RECONSTRUCTION REPORT**

Collect all documentation

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V. ADMINISTRATIVE (Cont.)	IMMEDIATE	SHORT TERM	LONG TERM
<p><b>D. PREPARATION FOR NRC INCIDENT INVESTIGATION TEAM ARRIVAL:</b></p> <ol style="list-style-type: none"> <li>1. Sequester of failed equipment not necessary for safe shutdown for NRC inspection before repair.</li> <li>2. Prepare a location and list of appropriate personnel for interviews.</li> <li>3. Prepare a list of names, titles and telephone numbers of key personnel in the recovery organization.</li> </ol> <p><b>E. FEDERAL RADIOLOGICAL MONITORING AND ASSESSMENT CENTER (FRMAC)</b></p> <ol style="list-style-type: none"> <li>1. Delegate an individual to coordinate activities with the FRMAC response team.</li> </ol> <p><b>F. CORPORATE SUPPORT REQUIREMENTS:</b></p> <ol style="list-style-type: none"> <li>1. Legal</li> <li>2. Logistics</li> <li>3. Other</li> </ol>			

**V. ADMINISTRATIVE (CONT.)**

**IMMEDIATE**

**SHORT TERM**

**LONG TERM**

**G. SRB & CNRB**

1. Review of procedures used during the emergency phase:

2. Review of procedures developed during the emergency phase:

3. Review of emergency actions taken during the event:

4. Review board approval of recovery plan.

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	IMMEDIATE	SHORT TERM	LONG TERM
<b>A. PREPARE FOR EVALUATION</b>			
1. Request tapes of the 4-way ringdown phone notifications			
2. Collect all written documentation			
3. Interview participants			
<b>B. ACTIVATION AND RESPONSE</b>			
Problems:			
Solutions:			
<b>C. DIRECTION AND CONTROL</b>			
Problems:			
Solutions:			
<b>D. COMMUNICATIONS</b>			
Problems:			
Solutions:			
<b>E. EQUIPMENT</b>			
Problems:			
Solutions:			

COMMITMENTS

<u>Step Number</u>	<u>Reference</u>	<u>Comments</u>
3.2	TERMS Q 03111	Governmental agencies and/or private sector organizations with special qualifications to cope with the emergency conditions shall be notified.
6.1	TERMS O 15144	Allows implementation of RA-EP-02720 at emergency classifications above Unusual Event
6.10	TERMS O 15752 TERMS O 16072	Develop additional guidance for documenting activations of the Emergency Plan