

**Davis Besse Power Station
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Davis-Besse Nuclear Power Station

EMERGENCY PLAN IMPLEMENTING PROCEDURE

RA-EP-02720

RECOVERY ORGANIZATION

REVISION 05

Prepared by: B. W. Cope

Procedure Owner: Director – Organizational Development

Effective Date: JUL 19 2003

Procedure Classification:

- Safety Related
- Quality Related
- Non-Quality Related

<p>LEVEL OF USE: IN-FIELD REFERENCE</p>

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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)
2.1.3 NOP-LP-2006, Company Nuclear Review Board (CNRB)

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 Electrical Insurance Limited (NEIL).

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 PROCEDURE**NOTE 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 on shift organization should be adequate to perform necessary recovery actions and a formal Recovery Plan is not required; however, the Deactivation Report, DBEP-062, shall be completed. The Shift Manager shall serve as the Recovery Director for an Unusual Event.

b. Alert

A formal recovery Organization and/or a Recovery Plan may be established. The Deactivation Report, DBEP-062, shall be completed.

c. Site Area or General Emergency

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

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

(a) Reviewing information obtained during reentry.

(b) Using Recovery Worksheet, DBEP-063, 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 Recovery Worksheet, DBEP-063, 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.
- k. Coordinate with offsite authorities following natural disasters that could impact the implementation of the offsite emergency preparedness program interface with the NRC before commencing a restart of the reactor. Based on the information that the NRC receives from the Federal Emergency Management Agency (FEMA) restart of the reactor may be delayed pending restoration of the siren system, evacuation routes and/or availability of offsite emergency responders.

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.
 - d. Coordinate with offsite authorities following natural disasters that could impact the implementation of the offsite emergency preparedness program interface with Ottawa County, Lucas County and the State of Ohio to determine the Davis-Besse emergency preparedness program status. At minimum considerations should be given to availability of the siren system, evacuation routes an/or availability of offsite emergency responders.

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 2, 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.

NOTE 6.13

For an Unusual Event the Shift Manager or his designee will perform the actions of the Recovery Director.

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, DBEP-062, 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 Deactivation Report , DBEP-062

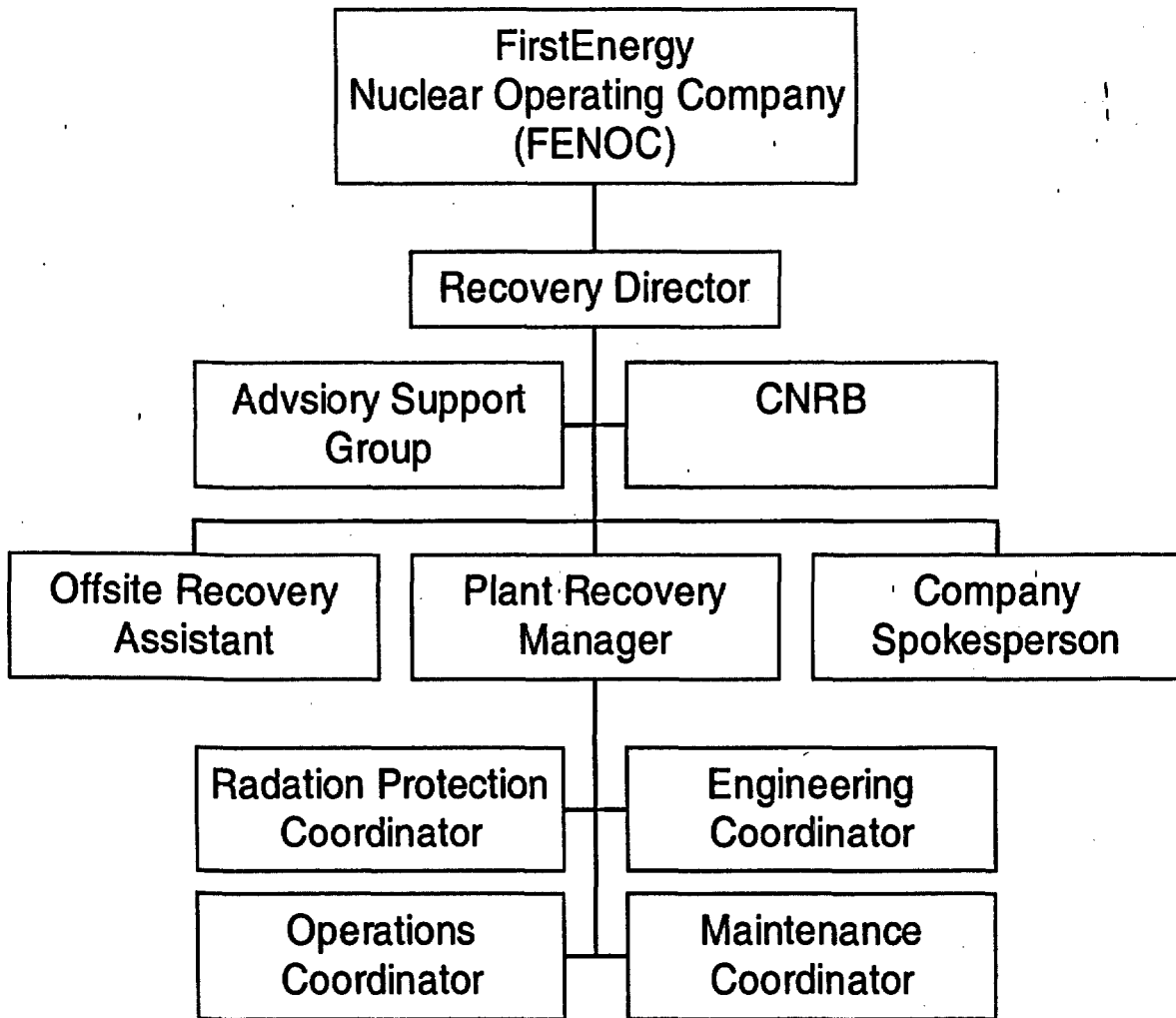
8.1.2 Recovery Worksheet, DBEP-063

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 None

ATTACHMENT 1: SUGGESTED RECOVERY ORGANIZATION

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ATTACHMENT 2: EMERGENCY PREPAREDNESS EVALUATION

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	IMMEDIATE	SHORT TERM	LONG TERM
A. PREPARE FOR EVALUATION			
1. Request tapes of the 4-way ringdown phone notifications			
2. Collect all written documentation			
3. Interview participants			
B. ACTIVATION & RESPONSE			
Problems:			
Solutions:			
C. DIRECTION & CONTROL			
Problems:			
Solutions:			
D. COMMUNICATIONS			
Problems:			
Solutions:			
E. EQUIPMENT			
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
6.2 6.4	CR 02-09766	NRC Administrative Letter 97-003 "Plant Restart Discussions Following Natural Disasters". Following a natural disaster ensure that offsite emergency preparedness infrastructure can support reactor restart.