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TRANSMITTAL NUMBER: 186028

PROCEDURE NUMBER: EI-5.0  
TITLE: REENTRY

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-5.0, R/5, ENTIRE PROCEDURE
REPLACE WITH	EI-5.0, R/5, ENTIRE PROCEDURE
	EDITORIAL

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

SIGNATURE OR INITIALS

DATE

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

**TITLE: REENTRY**

JK Bennett / 4/19/01  
Procedure Sponsor Date

KLPenrod / 4/16/98  
Technical Reviewer Date

KMHaas / 5/13/98  
User Reviewer Date

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**ATTACHMENTS**

Attachment 1, "Record of Major Actions Performed"

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**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 PERSONNEL RESPONSIBILITY**

1.1 The Emergency Operations Facility (EOF) Director, in conjunction with the Shift Supervisor, the Site Emergency Director (SED) and the Site Vice President, is responsible for initiating the reentry phase of emergency response.

1.2 The SED is responsible for directing reentry.

**2.0 PURPOSE**

To provide guidelines for reentry of the Plant following implementation of the Site Emergency Plan.

**3.0 REFERENCES**

**3.1 SOURCE DOCUMENTS**

3.1.1 NUREG 0654, Section M, "Recovery And Reentry Planning And Post-Accident Operations"

3.1.2 Palisades Site Emergency Plan, Section 9, "Recovery"

**3.2 REFERENCE DOCUMENTS**

3.2.1 Palisades Administrative Procedure 7.04, "Radiation Dosimetry"

3.2.2 Palisades Administrative Procedure 1.15, "Performance of Job Briefings"

3.2.3 Emergency Implementing Procedure EI-5.1, "Recovery"

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**4.0 INITIAL CONDITIONS AND/OR REQUIREMENTS**

4.1 The following conditions should be considered before entering reentry:

- a. The reactor and associated systems are in a stable, safe condition.
- b. The release of radioactive materials to the environment is under control or has ceased.
- c. In-plant radiation levels are stable or decreasing.
- d. Fire, flood, etc, is under control or has ceased.
- e. At least one level of redundancy in plant systems should be available to prevent reinitiation of the event.
- f. Consensus has been reached among the SED, EOF Directors, NRC, and the state.

4.2 Damaged or failed equipment should be quarantined except when required to support safe shutdown of the plant.

4.3 A log of important actions and persons performing the actions should be maintained using Attachment 1 of this procedure.

4.4 Radiation exposure of personnel involved in reentry shall be As Low As Reasonably Achievable. Limits imposed may be dependent upon specific circumstances and risk versus benefit. In any case, radiation exposure should be controlled within the limits of Palisades Administrative Procedure 7.04, "Radiation Dosimetry."

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5.0 **PROCEDURE**

**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.

5.1 Prior to authorizing the dispatch of a reentry team, the SED, with input from Technical Support Center (TSC) Team Leaders, should determine the following:

- a. Areas of the plant potentially affected by radiation and/or contamination.
- b. Identify damaged equipment which needs to be quarantined for failure analysis.
- c. Adequacy of radiation survey instrumentation and equipment.
- d. Radiation exposures of personnel expected to participate in reentry operations.

5.2 Reentry into the plant should encompass the following goals, in order of priority:

- a. Identification of hazards or potential hazards.
- b. Determination of damage to equipment.
- c. Conduct comprehensive radiation surveys and identify areas needing shielding.
- d. Isolate and post areas with warning signs and barriers (ie; safety hazards, Radiation Areas, Contamination Areas).

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- 5.3 Each reentry team should include a designated team leader and a Radiation Safety representative. Personnel from Operations, Maintenance and Engineering may be included as needed.
- 5.4 Pre-job briefings should follow the guidance of Palisades Administrative Procedure 1.15, "Performance of Job Briefings."
- 5.4.1 Pre-job briefings for reentry teams should also include the following:
  - a. Area to be surveyed
  - b. Anticipated radiation and contamination levels
  - c. Radiation survey equipment required
  - d. Availability of shielding
  - e. Protective clothing and equipment required
  - f. Radiation Work Permit
  - g. Exposure limits and dosimetry requirements
  - h. Decontamination requirements
  - i. Communication equipment required
- 5.5 Following completion of their tasks, a reentry team shall be debriefed to assess data gathered and to document work completed. Copies of documentation shall be provided to the Recovery Manager to be utilized in recovery planning per Emergency Implementing Procedure EI-5.1, "Recovery."

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6.0 **ATTACHMENTS AND RECORDS**

6.1 **ATTACHMENTS**

Attachment 1, "Record of Major Actions Performed"

6.2 **RECORDS**

Records generated by this procedure shall be filed in accordance with Palisades Administrative Procedure 10.46, "Plant Records." Refer to the record matrix attached to 10.46 for information needed to complete Record Indexing Form (Form 104).



**RECORD OF MAJOR ACTIONS PERFORMED**

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Date/Time of Emergency: \_\_\_\_\_ / \_\_\_\_\_

Date/Time	Reentry Action	Accomplished By	Reviewed By
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