

50758N

CONTROLLED DOCUMENT TRANSMITTAL

50758N

Transmittal#: 50758N

Date: 01/17/2003

Creator: TRACY NELSON

Page 1

Description: ISSUE OF 1 EMERGENCY PLAN RMT PROCEDURE

Distribution Group(s): Procedures: EPP: RMT-2080-EOF-002

Section/Name	Mail Zone	Copies	Comments
Emergency Planning Coord	11	1C	
Maint: MTIS, M. Lower	10	1C	
MI Dept Environ Quality	P29	1C	
NDM: Library	1*	1C	
NGH: EOF (via EDCC)	22*	1C	
NGH: JPIC (via EDCC)	22*	1C	
NRC: On Site	4A	1C	
NRC: Region III	P14	2C	
NRC: Washington*	P16	2C	
Operations Library	5B*	1C	
S.S. Office	29*	1C	
Simulator	11	2C	
Site Protective Services	8B	1C	
State of Michigan	P2	1C	
Training Cart 1 - T. Ott	11	1C	
Training Cart 2 - S. Stiger	11	1C	
Training Cart 4 - S. Stiger	11	1C	
Training Cart 5 - M. McKeel	11	1C	
Training Cart 6 - M. McKeel	11	1C	
Training Lib Master Copy	11	1U	
Training Library	11	1C	
TSC	1*	1C	
Unit 1 Control Room	29*	2C	
Unit 2 Control Room	29*	2C	

Transmitted Controlled Document Listing:

Document	Revision	Title
PROCEDURE		SEE ATTACHED

Controlled Document Transmittal Receipt and File Acknowledgement

CONTROLLED DOCUMENTS ONLY

Signature

Date

Please sign and return within 14 calendar days to: **D. C. Cook Nuclear Plant**
Nuclear Documents Mgmt (Mail Zone #1)
Bridgman, MI. 49106

AD45

 **Search**

Results of Last Search

Total of 1 items found

 RMT-2080-EOF-002

Properties Actions Edit

Revision: 001

AEP Status: Approved

Title: EMERGENCY TERMINATION
AND RECOVERY

Document Series: Procedures

Document Type: Emergency
Planning - Response

Approval/Record

Date: 01/13/2003

Effective Date: 01/17/2003

Top of Page

REVIEW AND APPROVAL TRACKING FORM

Procedure Information:	
Number: <u>RMT-2080-EOF-002</u>	Rev. <u>1</u> Change: <u>0</u>
Title: <u>Emergency Termination and Recovery</u>	
Category: (Select One Only):	
<input type="checkbox"/> Correction (Full Procedure)	<input checked="" type="checkbox"/> Change (Full Procedure) with Review of Change Only
<input type="checkbox"/> Correction (Page Substitution)	<input type="checkbox"/> Change (Page Substitution) with Review of Change Only
<input type="checkbox"/> Cancellation	<input type="checkbox"/> New Procedure or Change with Full Review
<input type="checkbox"/> Superseded (list superseding procedures): _____	
Associated Configuration Impact Assessments:	
Change Driver/CDI Tracking No(s): _____ <input checked="" type="checkbox"/> N/A	
Required Reviews:	
Cross-Discipline Reviews:	Programmatic Reviews:
<input type="checkbox"/> Chemistry	<input type="checkbox"/> ALARA
<input type="checkbox"/> Maintenance	<input type="checkbox"/> Component Engineering
<input type="checkbox"/> NDM	<input type="checkbox"/> Design Engineering
<input type="checkbox"/> Operations	<input type="checkbox"/> Emerg Oper Proc Grp
<input type="checkbox"/> PA/PV	<input type="checkbox"/> Environmental
<input type="checkbox"/> Reg Affairs	<input type="checkbox"/> ISI/IST Coordinator
<input type="checkbox"/> RP	<input type="checkbox"/> Performance Assurance
<input type="checkbox"/> Training	<input type="checkbox"/> Reactivity Mgmt Team
<input type="checkbox"/> Work Control	<input type="checkbox"/> SPS (Safety & Health)
<input checked="" type="checkbox"/> <u>Emergency</u>	<input type="checkbox"/> Surveillance Section
<input type="checkbox"/> <u>Directors</u>	<input type="checkbox"/> System Engineering
<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input checked="" type="checkbox"/> None Required
<input checked="" type="checkbox"/> Cognizant Org Review: <u>Cindy Schaffner</u>	Date: <u>11/18/02</u>
<input checked="" type="checkbox"/> Technical Review: <u>B. Melloy</u>	Date: <u>12/3/02</u>
Concurrence:	
<input type="checkbox"/> Ops Director Concurrence: <u>N/A</u>	Date: <u>/ /</u>
Package Check:	
Updated Revision Summary attached?	<input checked="" type="checkbox"/> Yes
10 CFR 50.59 Requirements complete? Tracking No.: <u>2002-1658-00</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Implementation Plan developed? (Ref. Step 3.4.17)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Package Complete: <u>Cindy Schaffner</u>	Date: <u>12/3/02</u>
Approvals:	
PORC Review Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Mtg. No.: <u>3985</u>
Administrative Hold Status: <input type="checkbox"/> Released <input type="checkbox"/> Reissued <input checked="" type="checkbox"/> N/A	CR No.: _____
Approval Authority Review/Approval: <u>[Signature]</u>	Date: <u>1/13/03</u>
Expiration Date/Ending Activity: <u>N/A</u>	Effective Date: <u>1/17/03</u>
Periodic Review:	
Periodic Review conducted? (Data Sheet 5 Complete)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Follow-up Actions:	
Commitment Database update requested in accordance with PMP-7100-CMP-001?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
NDM notified of new records or changes to records that could affect record retention?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A

NDM Use Only	NUCLEAR DOCUMENT MANAGEMENT SECTION	Office Information For Form Tracking Only - Not Part of Form	
	JAN 17 2003	This form is derived from the information in PMP-2010-PRC-002, Procedure Correction, Change, and Review, Rev. 10, Data Sheet 1, Review and Approval Tracking Form.	
	CONTROLLED DOCUMENT	Page <u>1</u> of <u>2</u>	

REVISION SUMMARY

Number: RMT-2080-EOF-002 Revision: 1 Change: 0
Title: Emergency Termination and Recovery

Section or Step	Change/Reason For Change
Step 2.3	<p>Change: Added the following text to the step: "for a Site Area Emergency or General Emergency only. PORC concurrence is not required for an Unusual Event or Alert."</p> <p>Reason: Lesson learned from Alert event of 6/12/02; Plant Manager input. Consensus of managers revealed that PORC concurrence not necessary for an Unusual Event or Alert termination.</p>
Step 2.4	<p>Change: Removed the reference to obtain agreement from "local organizations, and FEMA" to terminate an emergency classification.</p> <p>Reason: The State of Michigan (or Berrien County if State EOC is not activated) and the NRC are the concurrence organization contacts necessary to terminate an event; concurrence of FEMA and "local organizations" are not required to terminate.</p>
Step 2.5	<p>Change: Added text for EOF to send a final EMD-32a form upon termination and for notifying the ERO of the termination.</p> <p>Reason: Incorporation of "termination" check box on State of Michigan EMD-32a form; enhancement to inform the remainder of the ERO of event termination.</p>

Office Information For Form Tracking Only - Not Part of Form

This is a free-form as called out in PMP-2010-PRC-002, Procedure Correction, Change, and Review, Rev 10

Page 2 of 2

 <small>ALP America's Energy Partner</small>	RMT-2080-EOF-002	Rev. 1	Page 1 of 5
Emergency Termination and Recovery			
Information			Effective Date: <u>1/17/03</u>
C. J. Graffenius Writer	S. M. Partin Owner	Emergency Planning Cognizant Organization	

TABLE OF CONTENTS

1 PURPOSE AND SCOPE..... 2

2 DETAILS..... 2

3 REFERENCES 5

Emergency Termination and Recovery**1 PURPOSE AND SCOPE**

- 1.1 This procedure provides guidance to the Emergency Response Organization (ERO) for termination of the emergency and initiating recovery actions from an Alert, Site Area Emergency, General Emergency, or when directed by the Site Emergency Coordinator (SEC).
- 1.2 The termination of an emergency and subsequent recovery efforts will depend on the nature of the emergency and the status of plant systems following the emergency. The general provisions within this procedure are expected to be applicable to all emergencies, however, it is permissible to supplement or deviate from this guidance with provisions specific to the emergency at hand.
- 1.3 Use of this procedure is restricted to emergency conditions or drills/exercises only.

2 DETAILS

- 2.1 IF the Emergency Directors' (ED) position has been staffed THEN, the ED assumes the responsibilities for implementation of this procedure OTHERWISE, the SEC maintains these responsibilities.
- 2.2 Prior to termination of the emergency or reduction in the emergency staff and its facilities the ED:
- Evaluates existing conditions with respect to the criteria established for each emergency classification.
 - Determines that plant conditions are stable and will continue to improve.
 - Determines the plant has control of and terminated any non-routine releases of radioactive material to the environment and dose assessment/protective action recommendations can be terminated.
 - Determines the control or cessation of any fires, floods, earthquakes, windstorms, or similar natural occurring phenomenon.
 - Determines equipment availability is adequate and can be accessed for repair or redundant systems are available.
 - Determines the plant status relative to technical specifications, including any compensatory actions.
 - Determines that long term core cooling is available.
 - Determines the core shutdown margin is adequate.

Information	RMT-2080-EOF-002	Rev. 1	Page 3 of 5
Emergency Termination and Recovery			

- Determines the core shutdown margin is adequate.
 - Determines offsite power is available for long term operation of emergency equipment.
 - Determines offsite conditions will not limit access of personnel or support resources.
 - Determines access to radiological areas of the plant necessary for operation of plant equipment is adequate.
 - Ensures all required notifications have been completed.
- 2.3 Obtain Plant Operations Review Committee (PORC) concurrence with the above evaluation for a Site Area Emergency or General Emergency only. PORC concurrence is not required for an Unusual Event or Alert.
- 2.4 IF it is determined the emergency can be terminated THEN prior to termination the ED obtains agreement to terminate the emergency with the NRC and the State of Michigan, (or Berrien County if the State EOC is not operational).
- 2.5 IF an agreement is reached, THEN the ED terminates the emergency by:
- Faxing a final EMD-32a form to offsite agencies indicating that the event is terminated,
 - Informing the ERO that the event is terminated.
- 2.6 UPON termination of the emergency, THEN the ED:
- 2.6.1 Assembles a Recovery Team with the following recommended disciplines:
- Managerial
 - Operations
 - Engineering
 - Maintenance
 - Radiation Protection
 - Chemistry
 - Safety
 - Scheduling

Emergency Termination and Recovery

- Emergency Planning
- Plant Protection
- Licensing
- Training

2.6.2 The ED briefs the Recovery Team on current plant and emergency status.

NOTE: Steps 2.6.3 and 2.6.4 should be performed concurrently.

2.6.3 The Recovery Team:

1. Develops an initial recovery plan and recovery organization
2. Obtains PORC approval of the plan
3. Implements the plan

2.6.4 The Recovery Team:

- Apprises all offsite agencies of the recovery process.
- Coordinates recovery activities with offsite agencies, as applicable.
- Assembles all documentation generated during the emergency.
- Terminates all emergency radiation exposure limit controls.
- Obtains PORC review and approval of any procedures to be used relative to nuclear safety and plant recovery.
- Documents any procedural changes or corrections instituted during the emergency either through termination or the procedure change process.
- Restores the emergency response facilities and organization to its full readiness.

2.7 **WHEN** the plant has been restored to its pre-emergency status or to a modified pre-emergency status capable of power operations, **THEN** the ED terminates recovery efforts.

Emergency Termination and Recovery**3 REFERENCES****3.1 Use References:**

3.1.1 None

3.2 Writing References:**3.2.1 Source References**

- a. D. C. Cook Nuclear Plant Emergency Plan
- b. NUREG-0654 Criteria For Preparation And Evaluation Of Radiological Emergency Response Plans And Preparedness In Support Of Nuclear Power Plants.

3.2.2 General References

- a. 10 CFR 50, Appendix E

REVIEW AND APPROVAL TRACKING FORM

Procedure Information:	
Number: <u>RMT-2080-EOF-002</u>	Rev. <u>1</u> Change: <u>0</u>
Title: <u>Emergency Termination and Recovery</u>	
Category (Select One Only):	
<input type="checkbox"/> Correction (Full Procedure)	<input checked="" type="checkbox"/> Change (Full Procedure) with Review of Change Only
<input type="checkbox"/> Correction (Page Substitution)	<input type="checkbox"/> Change (Page Substitution) with Review of Change Only
<input type="checkbox"/> Cancellation	<input type="checkbox"/> New Procedure or Change with Full Review
<input type="checkbox"/> Superseded (list superseding procedures): _____	
Associated Configuration Impact Assessments:	
Change Driver/CDI Tracking No(s): _____ <input checked="" type="checkbox"/> N/A	
Required Reviews:	
Cross-Discipline Reviews: <input type="checkbox"/> Chemistry <input type="checkbox"/> Training <input type="checkbox"/> Maintenance <input type="checkbox"/> Work Control <input type="checkbox"/> NDM <input checked="" type="checkbox"/> <u>Emergency</u> <input type="checkbox"/> Operations <input type="checkbox"/> <u>Directors</u> <input type="checkbox"/> PA/PV _____ <input type="checkbox"/> Reg Affairs _____ <input type="checkbox"/> RP _____ <input type="checkbox"/> None Required	Programmatic Reviews: <input type="checkbox"/> ALARA <input type="checkbox"/> Reactivity Mgmt Team <input type="checkbox"/> Component Engineering <input type="checkbox"/> SPS (Safety & Health) <input type="checkbox"/> Design Engineering <input type="checkbox"/> Surveillance Section <input type="checkbox"/> Emerg Oper Proc Grp <input type="checkbox"/> System Engineering <input type="checkbox"/> Environmental _____ <input type="checkbox"/> ISI/IST Coordinator _____ <input type="checkbox"/> Performance Assurance <input checked="" type="checkbox"/> None Required
<input checked="" type="checkbox"/> Cognizant Org Review: <u>Cindy Krapfenbauer</u> Date: <u>11/18/02</u>	
<input checked="" type="checkbox"/> Technical Review: <u>B. Malloy</u> Date: <u>12/3/02</u>	
Concurrence:	
<input type="checkbox"/> Ops Director Concurrence: <u>N/A</u> Date: <u>/ /</u>	
Package Check:	
Updated Revision Summary attached?	<input checked="" type="checkbox"/> Yes
10 CFR 50.59 Requirements complete? Tracking No.: <u>2002-1658-00</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Implementation Plan developed? (Ref. Step 3.4.17)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Package Complete: <u>Cindy Krapfenbauer</u>	Date: <u>12/3/02</u>
Approvals:	
PORC Review Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Mtg. No.: <u>3935</u>
Administrative Hold Status: <input type="checkbox"/> Released <input type="checkbox"/> Reissued <input checked="" type="checkbox"/> N/A	CR No.: _____
Approval Authority Review/Approval: _____	Date: <u>1/13/03</u>
Expiration Date/Ending Activity: <u>N/A</u>	Effective Date: <u>1/17/03</u>
Periodic Review:	
Periodic Review conducted? (Data Sheet 5 Complete)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Follow-up Actions:	
Commitment Database update requested in accordance with PMP-7100-CMP-001?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
NDM notified of new records or changes to records that could affect record retention?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A

NDM Use Only	NUCLEAR DOCUMENT MANAGEMENT SECTION JAN 17 2003 CONTROLLED DOCUMENT	Office Information For Form Tracking Only - Not Part of Form This form is derived from the information in PMP-2010-PRC-002, Procedure Correction, Change, and Review, Rev 10, Data Sheet 1, Review and Approval Tracking Form.
		Page <u>1</u> of <u>2</u>

REVISION SUMMARY

Number: RMT-2080-EOF-002 Revision: 1 Change: 0
 Title: Emergency Termination and Recovery

Section or Step	Change/Reason For Change
Step 2.3	<p>Change: Added the following text to the step: "for a Site Area Emergency or General Emergency only. PORC concurrence is not required for an Unusual Event or Alert."</p> <p>Reason: Lesson learned from Alert event of 6/12/02; Plant Manager input. Consensus of managers revealed that PORC concurrence not necessary for an Unusual Event or Alert termination.</p>
Step 2.4	<p>Change: Removed the reference to obtain agreement from "local organizations, and FEMA" to terminate an emergency classification.</p> <p>Reason: The State of Michigan (or Berrien County if State EOC is not activated) and the NRC are the concurrence organization contacts necessary to terminate an event; concurrence of FEMA and "local organizations" are not required to terminate.</p>
Step 2.5	<p>Change: Added text for EOF to send a final EMD-32a form upon termination and for notifying the ERO of the termination.</p> <p>Reason: Incorporation of "termination" check box on State of Michigan EMD-32a form; enhancement to inform the remainder of the ERO of event termination.</p>

 <small>ALP American's Energy Partner</small>	RMT-2080-EOF-002	Rev. 1	Page 1 of 5
Emergency Termination and Recovery			
Information			Effective Date: <u>1/17/03</u>
C. J. Graffenius Writer	S. M. Partin Owner	Emergency Planning Cognizant Organization	

TABLE OF CONTENTS

1	PURPOSE AND SCOPE.....	2
2	DETAILS.....	2
3	REFERENCES	5

Emergency Termination and Recovery**1 PURPOSE AND SCOPE**

- 1.1 This procedure provides guidance to the Emergency Response Organization (ERO) for termination of the emergency and initiating recovery actions from an Alert, Site Area Emergency, General Emergency, or when directed by the Site Emergency Coordinator (SEC).
- 1.2 The termination of an emergency and subsequent recovery efforts will depend on the nature of the emergency and the status of plant systems following the emergency. The general provisions within this procedure are expected to be applicable to all emergencies, however, it is permissible to supplement or deviate from this guidance with provisions specific to the emergency at hand.
- 1.3 Use of this procedure is restricted to emergency conditions or drills/exercises only.

2 DETAILS

- 2.1 IF the Emergency Directors' (ED) position has been staffed THEN, the ED assumes the responsibilities for implementation of this procedure OTHERWISE, the SEC maintains these responsibilities.
- 2.2 Prior to termination of the emergency or reduction in the emergency staff and its facilities the ED:
- Evaluates existing conditions with respect to the criteria established for each emergency classification.
 - Determines that plant conditions are stable and will continue to improve.
 - Determines the plant has control of and terminated any non-routine releases of radioactive material to the environment and dose assessment/protective action recommendations can be terminated.
 - Determines the control or cessation of any fires, floods, earthquakes, windstorms, or similar natural occurring phenomenon.
 - Determines equipment availability is adequate and can be accessed for repair or redundant systems are available.
 - Determines the plant status relative to technical specifications, including any compensatory actions.
 - Determines that long term core cooling is available.
 - Determines the core shutdown margin is adequate.

Emergency Termination and Recovery

- Determines the core shutdown margin is adequate.
 - Determines offsite power is available for long term operation of emergency equipment.
 - Determines offsite conditions will not limit access of personnel or support resources.
 - Determines access to radiological areas of the plant necessary for operation of plant equipment is adequate.
 - Ensures all required notifications have been completed.
- 2.3 Obtain Plant Operations Review Committee (PORC) concurrence with the above evaluation for a Site Area Emergency or General Emergency only. PORC concurrence is not required for an Unusual Event or Alert.
- 2.4 IF it is determined the emergency can be terminated THEN prior to termination the ED obtains agreement to terminate the emergency with the NRC and the State of Michigan, (or Berrien County if the State EOC is not operational).
- 2.5 IF an agreement is reached, THEN the ED terminates the emergency by:
- Faxing a final EMD-32a form to offsite agencies indicating that the event is terminated,
 - Informing the ERO that the event is terminated.
- 2.6 UPON termination of the emergency, THEN the ED:
- 2.6.1 Assembles a Recovery Team with the following recommended disciplines:
- Managerial
 - Operations
 - Engineering
 - Maintenance
 - Radiation Protection
 - Chemistry
 - Safety
 - Scheduling

Emergency Termination and Recovery

- Emergency Planning
- Plant Protection
- Licensing
- Training

2.6.2 The ED briefs the Recovery Team on current plant and emergency status.

NOTE: Steps 2.6.3 and 2.6.4 should be performed concurrently.

2.6.3 The Recovery Team:

1. Develops an initial recovery plan and recovery organization
2. Obtains PORC approval of the plan
3. Implements the plan

2.6.4 The Recovery Team:

- Apprises all offsite agencies of the recovery process.
- Coordinates recovery activities with offsite agencies, as applicable.
- Assembles all documentation generated during the emergency.
- Terminates all emergency radiation exposure limit controls.
- Obtains PORC review and approval of any procedures to be used relative to nuclear safety and plant recovery.
- Documents any procedural changes or corrections instituted during the emergency either through termination or the procedure change process.
- Restores the emergency response facilities and organization to its full readiness.

2.7 **WHEN** the plant has been restored to its pre-emergency status or to a modified pre-emergency status capable of power operations, **THEN** the ED terminates recovery efforts.

Emergency Termination and Recovery**3 REFERENCES****3.1 Use References:**

3.1.1 None

3.2 Writing References:**3.2.1 Source References**

- a. D. C. Cook Nuclear Plant Emergency Plan
- b. NUREG-0654 Criteria For Preparation And Evaluation Of Radiological Emergency Response Plans And Preparedness In Support Of Nuclear Power Plants.

3.2.2 General References

- a. 10 CFR 50, Appendix E