

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9812090061 DOC.DATE: 98/12/03 NOTARIZED: YES DOCKET #
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
 AUTH.NAME AUTHOR AFFILIATION
 POWERS, R.P. Indiana Michigan Power Co.
 RECIP.NAME RECIPIENT AFFILIATION
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SUBJECT: Provides supplemental info to response to NRC Bulletin 88-004, "Potential Safety-Related Pump Loss." Corrective action to preclude weaker RHR pump from operating below min flow requirement in to monitor degradation.

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 TITLE: Bulletin 88-004 re Potential Safety-Related Pump Loss

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December 3, 1998

AEP:NRC:1065E

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
Document Control Desk
Mail Stop O-P1-17
Washington, D.C. 20555-0001

Gentlemen:

Donald C. Cook Nuclear Plant Units 1 and 2
SUPPLEMENTAL RESPONSE TO NRC BULLETIN 88-04; POTENTIAL
SAFETY-RELATED PUMP LOSS


Reference: Letter AEP:NRC:1065, "RESPONSE TO NRC BULLETIN 88-04,
POTENTIAL SAFETY RELATED PUMP LOSS", dated July 8, 1988

The purpose of this letter is to supplement our response to NRC Bulletin 88-04, "Potential Safety-Related Pump Loss" (Reference). During a 1997 review of the residual heat removal (RHR) system, a potential for operating the weaker of two RHR pumps below its minimum flow requirement was identified. This has been calculated to occur during the transfer to cold leg recirculation following a loss of coolant accident and exists when the difference in degradation between the two RHR pumps exceeds 8%.

The corrective action to preclude a weaker RHR pump from operating below its minimum flow requirement is to monitor the degradation and provide assurance that the difference between the two RHR pumps does not exceed 8%. The in-service testing program for the RHR pumps has been augmented to include this additional requirement. Currently, the pump test data indicate that the differential degradation between the two RHR pumps in each unit is less than 4%; thus, the weaker pump is currently capable of operating above its minimum flow requirement.

The details of the potential RHR pump deadheading are contained in the attachment to this letter.

Sincerely,


R. P. Powers
Vice President

/jmc

Attachments

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 3rd DAY OF December 1998


Notary Public

My Commission Expires: 2/16/2001

JANICE M. BICKERS
Notary Public, Berrien County, MI
My Commission Expires Feb. 16, 2001

9812090061 981203
PDR ADDCK 05000315
G PDR

IE 37

U. S. Nuclear Regulatory Commission
Page 2

AEP:NRC:1065E

c: J. A. Abramson
J. L. Caldwell, w/attachments
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J. F. Stang, Jr., - NRC Washington, DC, w/attachments

ATTACHMENT TO AEP:NRC:1065E
SUPPLEMENTAL RESPONSE TO NRC BULLETIN 88-04

Summary of Problem and Systems Affected

A re-review of the residual heat removal (RHR) system was performed as part of the investigation into condition report (CR) 97-2515. This CR identified the potential for deadheading the weaker of either unit's two RHR pumps when they are aligned as required by plant procedure 01, 02-OHP 4023.ES-1.3, "Transfer to Cold Leg Recirculation". This alignment is used during the recirculation phase when the RHR pumps are used to supply the safety injection (SI) and centrifugal charging (CC) pumps. The RHR pumps are aligned to supply the SI and CC pumps through cross-tie piping, and the cross-tie piping arrangement is such that both the SI and the CC pumps can be supplied by either the east or west RHR pump.

The two RHR pumps can interact when they are aligned as required by plant procedure 01, 02-OHP 4023.ES-1.3. The ASME Code, section XI allows a pump to degrade 10% before repairs are required. An analysis was performed to assess the impact of the interaction with one non-degraded pump and one pump degraded by 10%. The analysis has shown that this does not result in the deadheading of a weaker RHR pump. The analysis did determine, however, that the degradation differences between the two RHR pumps cannot exceed 8% without the weaker pump operating below its minimum flow requirements.

The allowable degradation difference between the two RHR pumps was determined using the actual piping and component resistances for the installed system and the RHR pump's characteristic curves for a new pump and a hypothetical pump with varying degradations up to 15%. The analysis indicated that, at a degradation difference of 8% between the two RHR pumps, the weaker pump would operate above its minimum flow requirements. The analysis also indicated that, at a degradation difference of 15%, the weaker pump would not be deadheaded but its flow capability would be reduced to the point that it is below its minimum flow requirements. A comparison of the pumps' surveillance test data indicates that the current degradation difference between each unit's two RHR pumps is less than 4% in both units, the degradation difference accounting for instrument and test reading errors. With the difference between the two RHR pumps less than the 8% acceptable difference, there is no potential for the degradation difference to result in deadheading or pump operation below the minimum flow requirements.

Long-Term Resolution of the Identified Problem

The corrective action to preclude a weaker RHR pump from operating below its minimum flow requirements is to monitor the degradation and provide reasonable assurance that the difference between each unit's RHR pumps does not exceed 8%. The in-service test (IST) program for the RHR pumps has been augmented to include this additional requirement. This change to the IST program was implemented on November 18, 1997, via the plant's technical data book, which is the repository of the IST acceptance criteria.

Justification for Continued Operation

A comparison of the surveillance test data indicates that the current degradation difference between the two RHR pumps in each unit is less than 4% in both units. This difference is within the analysis limits of 8%, which provides assurance that there is no potential for the degradation difference to result in deadheading or pump operation below the minimum flow requirements.

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D. C. Cook, Units 1 and 2 - Revision 001 to PMP-2080-EPP-113, "Transportation Accidents Involving Radioactive Material," (Cancelled). Document Date: 12/21/2001

Body:

ADAMS DISTRIBUTION NOTIFICATION.

A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Title: D. C. Cook, Units 1 and 2 - Revision 001 to PMP-2080-EPP-113, "Transportation Accidents Involving Radioactive Material," (Cancelled).

Docket Number: 05000315

Docket Number: 05000316

Document Date: 12/21/2001

Revised
3/4/02
[Signature]

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Author Affiliation: Indiana Michigan Power Co

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Addressee Affiliation: NRC/Document Control Desk

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20832N

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Transmittal#: 20832N

Date: 12/21/2001

Initiator: RAYLEEN HART-WILSON

Page: 1

Description:

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Document	Revision	Status	Title
PMP-2080-EPP-113	001	Cancelled	TRANSPORTATION ACCIDENTS INVOLVING RADIOACTIVE MATERIAL Comments: CANCELLED: 12/21/01

Controlled Document Transmittal Receipt and File Acknowledgement:

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Please sign and return within 14 calendar days to: D. C. Cook Nuclear Plant

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020160510

A045

Nuclear Document Management Emergency Plan Procedure Index

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12-EPP-2080-EPA-008	EMERGENCY PLAN MANAGEMENT	0 03/30/2001	
EPP-2080-OSC-002	UNIT VENT SAMPLING	0 07/03/2001	
PMP-2080-EPP-100	EMERGENCY RESPONSE	0 04/06/2001	
PMP-2080-EPP-101	EMERGENCY CLASSIFICATION	3B 12/07/2001	
PMP-2080-EPP-107	NOTIFICATION	15A 06/12/2001	
PMP-2080-EPP-108	INITIAL DOSE ASSESSMENT	3-CS1 01/05/2001	
PMP-2080-EPP-111	NATURAL EMERGENCY GUIDELINES	1 02/06/1995	
PMP-2080-EPP-112	PERSONNEL INJURY	1 06/05/1997	
PMP-2080-EPP-113	TRANSPORTATION ACCIDENTS INVOLVING RADIOACTIVE MATERIAL	0 01/06/1987	
PMP-2080-EPP-200	INITIATING CHANGES TO THE EMERGENCY PLAN OR EMERGENCY PLAN IMPLEMENTING PROCEDURES	0 03/12/2001	
PMP-2081-EPP-105	INITIAL CORE DAMAGE ASSESMENT	4-CS1 06/16/2000	
PMP-2081-EPP-212	CONTAINMENT ATMOSPHERE SAMPLING	1-CS1 05/26/1988	
RMT-2080-EOF-001	ACTIVATION AND OPERATION OF THE EOF	0 07/03/2001	
RMT-2080-EOF-002	EMERGENCY TERMINATION AND RECOVERY	0 07/03/2001	
RMT-2080-OSC-001	ACTIVATION AND OPERATION OF THE OSC	0 07/03/2001	
RMT-2080-TSC-001	ACTIVATION AND OPERATION OF THE TSC	0 07/03/2001	

NUCLEAR DOCUMENT
MANAGEMENT SECTION

LFC 07 2001

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DOCUMENT

INDIANA & MICHIGAN
ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

Procedure No. PMP 2080 EPP.113

Revision No. 0

TITLE TRANSPORTATION ACCIDENTS INVOLVING RADIOACTIVE MATERIAL

SCOPE OF REVISION: INITIAL ISSUE

INFORMATION RECORDS CENTER
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DOCUMENT**
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VOLUME # _____

SIGNATURES	REVISION NUMBER			
*****	Rev. 0			
PREPARED BY	<i>Dennis</i>			
DEPARTMENT HEAD APPROVAL	<i>R. Simms</i>			
INTERFACING DEPARTMENT HEAD CONCURRENCE	N/A <i>S. Brewer</i>			
QUALITY ASSURANCE SUPERVISOR APPROVAL	<i>James</i>			
PLANT NUCLEAR SAFETY COMMITTEE	<i>Mtg #1996</i>			
PLANT MANAGER APPROVAL	<i>Kubior</i>			
APPROVAL DATE	12-18-86			
EFFECTIVE DATE	1/6/87			

LIST OF EFFECTIVE PAGES

PAGE NUMBERREVISION NUMBER/EFFECTIVE CHANGE

Page 1 of 4

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Revision 0

EXHIBIT A

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Revision 0

EXHIBIT B

Page 1 of 2

Revision 0

Page 2 of 2

Revision 0

INDIANA AND MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

1.0 TITLE: TRANSPORTATION ACCIDENTS INVOLVING RADIOACTIVE MATERIAL

2.0 OBJECTIVE

This procedure provides instructions to control and minimize damage and personnel injuries resulting from both on-site and off-site transportation accidents involving radioactive materials. This procedure also provides guidance for requesting or responding to request for off-site assistance.

3.0 REFERENCES

None

4.0 DETAILED INSTRUCTIONS

4.1 RESPONSIBILITIES

- 4.1.1 The individual who discovers or observes an accident which involves the transportation of radioactive materials shall immediately notify the Shift Supervisor.
- 4.1.2 The Shift Supervisor is responsible for assessing the incident and implementing the appropriate protective actions outlined in this procedure until relieved of these responsibilities.
- 4.1.3 The Radiation Monitoring Team is responsible for investigating the reported incident and implementing the appropriate corrective and protective measures based on this procedure and other Radiation Protection procedures.

4.2 LIMITATIONS

- 4.2.1 Administrative methods to minimize personnel exposures (such as ALARA) shall remain in force to the extent consistent with timely procedures for corrective and protective actions.

- 4.2.2 Donald C. Cook Plant support of accidents occurring off-site shall be limited to technical assistance in the areas of radiation protection. Local law enforcement agencies are responsible for overall handling of off-site accidents.

4.3 PREREQUISITES

- 4.3.1 The Shift Supervisor has been notified of an incident involving the transportation of radioactive material within the owner controlled area.

4.4 ACTIONS OF THE SITE EMERGENCY COORDINATOR FOR ON-SITE TRANSPORTATION ACCIDENTS

- 4.4.1 Contact the Main Guard House and instruct the Shift Security Supervisor to take the following precautionary actions:
 - 4.4.1.1 Stop all pedestrian and vehicular traffic entering the plant site.
 - 4.4.1.2 Dispatch necessary security patrols to control traffic in and around the accident site, and to keep all unauthorized personnel at least 50 feet away from the scene of the incident.
 - 4.4.1.3 Keep the Control Room advised on the situation at the scene.
- 4.4.2 Contact the Environmental and Radiation Protection section duty person and notify them of the incident.
- 4.4.3 Contact Radiation Protection and request that Radiation Monitoring Teams be dispatched to the accident scene to determine and report the extent of radiation contamination.
- 4.4.4 If the Radiation Monitoring Team reports a radiation release and/or contamination declare an Unusual Event and implement PMP 2080 EPP.101, "Emergency Classification".
- 4.4.5 If the Radiation Monitoring Team reports no radiation release, instruct the Shift Security Supervisor to return plant traffic flow to normal and to handle the accident in accordance with standard accident investigate procedures.

NOTE

ANY VEHICLE TRANSPORTING RADIOACTIVE MATERIAL INVOLVED IN AN ACCIDENT MUST BE ESCORTED INTO THE PROTECTED AREA BY SECURITY FOR INSPECTION.

4.4.6 Ensure that injured personnel are transported to Memorial Hospital, St. Joseph, Michigan per PMP 2080 EPP.112.

4.4.7 Record all significant information on the accident in the Shift Supervisor's Log.

4.5 ACTIONS OF THE SITE EMERGENCY COORDINATOR FOR OFF-SITE TRANSPORTATION ACCIDENTS

4.5.1 Provide radiation protection assistance to the Berrien County Sheriff's Department and the Michigan State Police as requested by these organizations.

CAUTION

D. C. COOK SUPPORT FOR ACCIDENTS OCCURRING OFF-SITE SHALL BE LIMITED TO TECHNICAL ASSISTANCE/ADVICE IN THE AREA OF RADIATION PROTECTION.

4.5.2 If assistance from other utilities is needed for transportation of nuclear materials:

4.5.2.1 The Plant Manager or his assistant shall initiate the Voluntary Assistance Agreement By and Among Electric Utilities Involved in Transportation of Nuclear Materials as listed in EXHIBIT B. This assistance may be obtained by telephoning a participating utility (see EXHIBIT B), specifying the type and duration of the assistance requested, and provide

general directions when the assistance is confirmed. Phone numbers of participating utilities can be found in the INPO Emergency Resource Manual.

- 4.5.2.2 Initiate and assure completion of EXHIBIT A, ATTACHMENT A TO THE VOLUNTARY ASSISTANCE AGREEMENT.

ATTACHMENT A TO THE VOLUNTARY ASSISTANCE AGREEMENT

Requesting Company Letterhead

Date _____, 19__

(Name and Address of
Responding Company)

This letter confirms the telephone conversation on
_____ (insert date and time) _____ between our _____
and your _____ in which our company requested assistance
pursuant to the terms of the Voluntary Assistance Agreements By and
Among Electric Utilities Involved in Transportation of Nuclear
Materials dated November 1, 1980, and your company agreed to provide
assistance pursuant to that Agreement.

Please acknowledge your agreement to the foregoing by
signing and returning to me the enclosed copy of this letter.

Responding Company Name and
Address

Requesting Company Name and
Address

Corporate Officer Signature
and Date

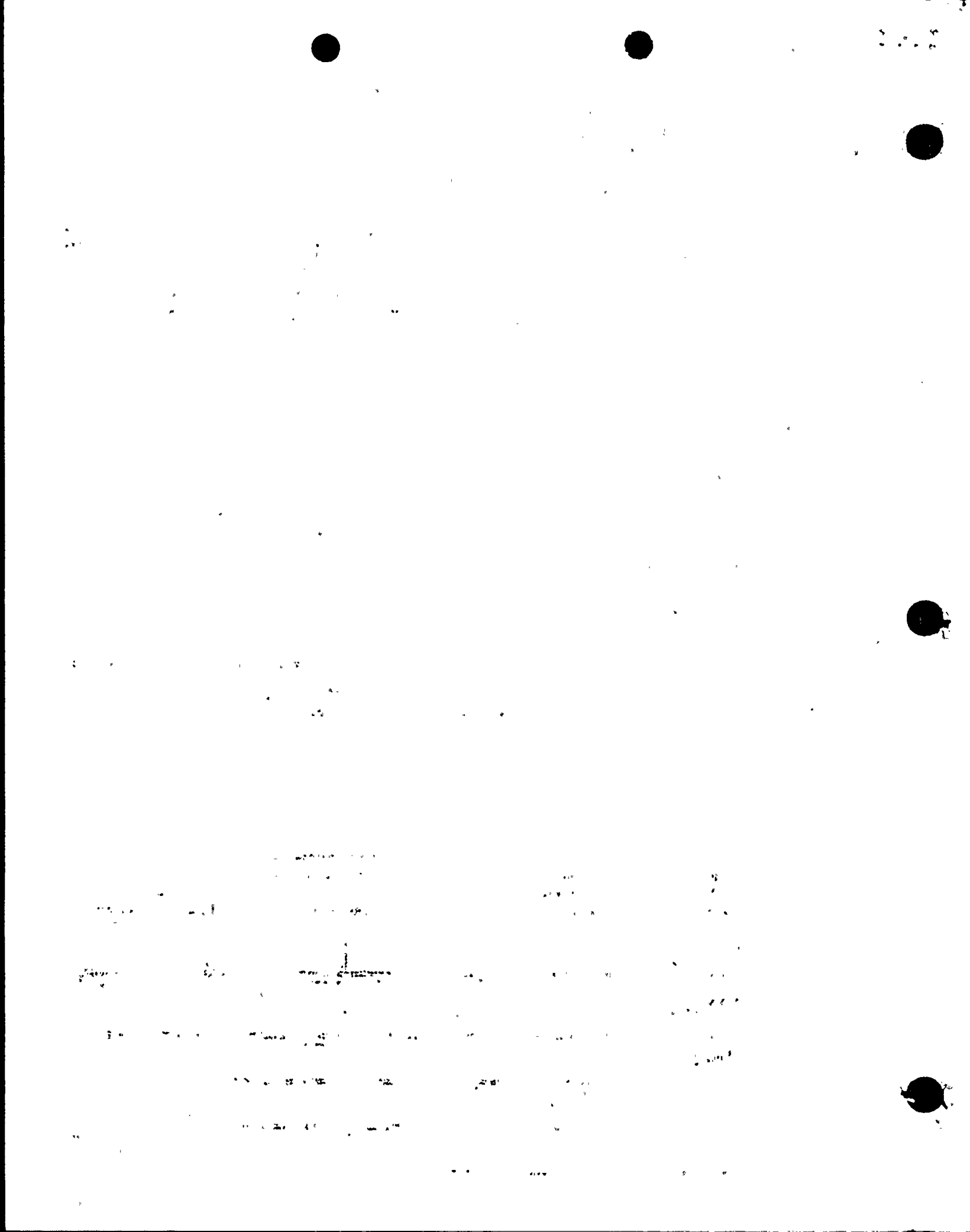
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and Date

SIGNATORIES OF TRANSPORTATION AGREEMENT

1. Alabama Power Company
2. Arizona Public Service Company
3. Arkansas Power & Light Company
4. Baltimore Gas and Electric Company
5. Boston Edison Company
6. Carolina Power & Light Company
7. Cincinnati Gas and Electric Company
8. Cleveland Electric Illuminating Company
9. Commonwealth Edison Company
10. Consumers Power Company
11. Dairyland Power Cooperative
12. Detroit Edison Company
13. Duke Power Company
14. Duquesne Light Company
15. Florida Power Corporation
16. Florida Power and Light Company
17. Georgia Power Company
18. GPU Nuclear Corporation
19. Gulf States Utilities
20. Houston Lighting & Power Company
21. Illinois Power Company
22. Indiana & Michigan Electric Company
23. Iowa Electric Light and Power Company
24. Kansas Gas and Electric Company
25. Long Island Lighting Company
26. Louisiana Power & Light Company
27. Maine Yankee Atomic Power Company
28. Mississippi Power & Light Company
29. Nebraska Public Power District

SIGNATORIES OF TRANSPORTATION AGREEMENT

30. New York Power Authority
31. Niagara Mohawk Power Corporation
32. Northeast Utilities
33. Northern States Power Company
34. Omaha Public Power District
35. Pacific Gas and Electric Company
36. Pennsylvania Power & Light Company
37. Philadelphia Electric Company
38. Portland General Electric Company
39. Public Service Company of Colorado
40. Public Service Company of Indiana, Inc.
41. Public Service Electric and Gas Company
42. Rochester Gas and Electric Corporation
43. Sacramento Municipal Utility District
44. South Carolina Electric & Gas Company
45. Southern California Edison Company
46. Tennessee Valley Authority
47. Texas Utilities Generating Company
48. Toledo Edison Company
49. Union Electric Company
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A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Title: Submittal of Revision 17 to Donald C. Cook Emergency Plan.

Docket Number: 05000315

Docket Number: 05000316

Document Date: 12/19/2001

Author Name: Greenlee S A

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Author Affiliation: Indiana Michigan Power Co

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December 19, 2001

C1201-03
10 CFR 50.54(q)

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
EMERGENCY PLAN, REVISION 17

Pursuant to 10 CFR 50.54(q), Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, is submitting Revision 17 to the CNP Emergency Plan. The enclosure attached to this submittal replaces the current revision of the CNP Emergency Plan in its entirety.

The purpose of this revision is to update the Emergency Plan to reflect the current CNP organization, facilities, policies, and procedures. The 10 CFR 50.54(q) effectiveness review concluded that the changes do not reduce the effectiveness of the plan. A summary of the revisions and the results of the 10 CFR 50.54(q) effectiveness review are also included in the enclosure. The effective date of this revision is December 5, 2001.

This letter contains no new commitments. Should you have any questions, please contact Mr. Gordon P. Arent, Manager of Regulatory Affairs, at (616) 697-5553.

Sincerely,

S. A. Greenlee
Director of Nuclear Technical Services

/bjb

*ADP
non-public*

ML013650081

U. S. Nuclear Regulatory Commission
Page 2

C1201-03

Enclosure

c: J. E. Dyer
MDEQ - DW & RPD
NRC Resident Inspector
R. Whale

CONTROLLED DOCUMENT TRANSMITTAL

Transmittal#: 20584N

Date: 12/05/2001

Initiator: LORI LEAR

Page: 1

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Document	Revision	Status	Title
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DONALD C. COOK NUCLEAR PLANT
EMERGENCY PLAN, REVISION 17

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Page: 1

Description:

RE-ISSUE OF TABLE 2 PG 2 PLANNING STANDARD D FOR THE D.C COOK NUCLEAR
PLANT EMERGENCY PLAN PER C/R-01339071

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NRC: Washington		1C	
Operations Library	5B*	1C	
Pre-Disaster Services		1C	D. Sibbo
Reg Affairs Library	4A	1C	
Regulatory Affairs	4A	1C	D. Kunsemiller
S.S. Office	29*	1C	
Simulator	11	2C	
Training Library	11	1C	
TSC	1*	1C	
Unit 1 Control Room	29*	2C	
Unit 2 Control Room	29*	2C	
US Coast Guard Station		1C	
Visitor Center	25	1C	

Transmitted Controlled Document Listing: (1)

Document	Revision	Status	Title
CEP	017	Approved	D.C. COOK NUCLEAR PLANT EMERGENCY PLAN Comments: RE-ISSUE OF TABLE 2 PG 2 PLANNING STANDARD D PER C/R-01339071 ON XMTL#20601N 12/6/01

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Bridgman, MT 49106

Table 2

FISSION PRODUCT BARRIER MATRIX - Mode 1- 4

GENERAL EMERGENCY	SITE AREA EMERGENCY	ALERT	UNUSUAL EVENT
Loss of TWO Fission Product Barriers AND Potential Loss of Third Barrier.	Any TWO of the Following: 4. Loss or Potential Loss of Fuel Clad. 5. Loss or Potential Loss of RCS. 6. Loss of any Additional Barrier.	Loss or Potential Loss of Either Fuel Clad or RCS Barrier.	Loss or Potential Loss of Containment Barrier.

3. CONTAINMENT BARRIER	LOSS (L)	POTENTIAL LOSS (P)
.1 Containment Radiation	None	> 1000 R/hr. OR Core damage > 20% clad failure.
.2 Containment Integrity	Unisolable breach of containment. OR Rapid unexplained containment pressure or sump level drop following pressure rise caused by a LOCA. OR Containment pressure/sump level NOT performing as expected for conditions. OR Entry into ECA-1.2, LOCA Outside Containment.	None
.3 SG Secondary Side Release	Primary to secondary leak rate > Tech. Spec. limit. AND Release of secondary coolant from the associated SG to the environment is occurring with alert alarm on any SG PORV rad monitor.	None
.4 Containment CSFST	None	RED
.5 Containment Hydrogen	None	>4.0% OR Containment Hydrogen >0.5% AND any Hydrogen Control equipment inoperable.
.6 Containment Pressure Control	None	BOTH CTS trains OR BOTH containment air recirc fans inoperable OR fail to auto start on HI-HI containment pressure.
.7 Core Exit Thermocouples	None	Core Cooling CSFST - RED AND Restoration procedures not effective within 15 minutes.

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Distribution Sheet

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1/23/02
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Donald C. Cook Nuclear Plant, Revision 3B, PMP-2080-EPP-101, "Emergency Classification." Document Date: 12/07/2001

Body:

ADAMS DISTRIBUTION NOTIFICATION.

A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Title: Donald C. Cook Nuclear Plant, Revision 3B, PMP-2080-EPP-101, "Emergency Classification."

Docket Number: 05000315

Docket Number: 05000316

Document Date: 12/07/2001

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Author Name: Nelson T

Author Affiliation: American Electric Power Co

Addressee Name:

Addressee Affiliation: NRC

Document Type: Emergency Preparedness-Emergency Plan

Availability: Non-Publicly Available

Document Sensitivity: Sensitive

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20631N

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20631N

Transmittal#: 20631N

Date: 12/07/2001

Initiator: TRACY NELSON

Page: 1

Description:

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Maint: MTIS, M. Lower	16	1C	
Managerial	1	1C	J. Pollock
MI Dept Environ Quality	P29	1C	
NDM: Library	1*	1C	
NDM: Master Copy	1*	1U	
NGH: EDCC	22*	1C	
NGH: EOF (via EDCC)	22*	5C	
NRC: On Site	4A	1C	
NRC: Region III		2C	
<u>NRC: Washington</u>		2C	
Operations Library	5B*	1C	
OSC	1*	1C	
Reg Affairs Library	4A	1C	
S.S. Office	29*	1C	
Simulator	11	2C	
Site Protective Services	8B	1C	
State of Michigan		1C	
Training Cart 1, T. Ott	11	1C	
Training Cart 2, S. Gleffe	11	1C	
Training Cart 3, S. Freeman	11	1C	
Training Cart 4, S. Stiger	11	1C	
Training Cart 5, M. Juengling	11	1C	
Training Cart 6, D. Terry	11	1C	
Training Library	11	1C	
TSC	1*	3C	Include 1C Index Only
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Unit 2 Control Room	29*	2C	
Visitor Center	25	1C	

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Document	Revision	Status	Title
PMP-2080-EPP-101	03B	Approved	EMERGENCY CLASSIFICATION

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Donald C. Cook Revision 3A, Change 0 to PMP-2080-EPP-101, "Emergency Classification." Document Date: 10/11/2001

Body:

ADAMS DISTRIBUTION NOTIFICATION.

A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Title: Donald C. Cook Revision 3A, Change 0 to PMP-2080-EPP-101, "Emergency Classification."

Docket Number: 05000315

Docket Number: 05000316

Document Date: 10/11/2001

Author Name:

Author Affiliation: American Electric Power

Addressee Name:

Addressee Affiliation: NRC

Document Type: Emergency Preparedness-Emergency Plan Implementing Procedures

Availability: Publicly Available

Document Sensitivity: Non-Sensitive

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Managerial	1	1C	J. Pollock
MI Dept Environ Quality	P29	1C	
NDM: Library	1*	1C	
NDM: Master Copy	1*	1U	
NGH: EDCC	22*	1C	
NGH: EOF (via EDCC)	22*	5C	
NRC: On Site	4A	1C	
NRC: Region III		2C	
<u>NRC: Washington</u>		2C	
Operations Library	5B*	1C	
OSC	1*	1C	
Reg Affairs Library	4A	1C	
S.S. Office	29*	1C	
Simulator	11	2C	
Site Protective Services	8B	1C	
State of Michigan		1C	
Training Cart 1, T. Ott	11	1C	
Training Cart 2, S. Gleffe	11	1C	
Training Cart 3, S. Freeman	11	1C	
Training Cart 4, S. Stiger	11	1C	
Training Cart 5, M. Juengling	11	1C	
Training Cart 6, D. Terry	11	1C	
Training Library	11	1C	
TSC	1*	3C	Include 1C Index Only
Unit 1 Control Room	29*	2C	
Unit 2 Control Room	29*	2C	
Visitor Center	25	1C	

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Document	Revision	Status	Title
PMP-2080-EPP-101	03A	Approved	EMERGENCY CLASSIFICATION

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Issuance of 1 PMP Emergency Plan Procedure. Document Date: 06/12/2001

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A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Title: Issuance of 1 PMP Emergency Plan Procedure.

Docket Number: 05000315

Docket Number: 05000316

Document Date: 06/12/2001

Author Name:

Author Affiliation: American Electric Power Co

Addressee Name:

Addressee Affiliation:

Document Type: Emergency Preparedness-Emergency Plan Implementing Procedures

Availability: Publicly Available

Document Sensitivity: Non-Sensitive

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MI Dept Environ Quality		1C	
NDM: Library	1*	1C	
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NGH: EDCC	22*	1C	
NGH: EOF (via EDCC)	22*	3C	
NRC: On Site	4A	1C	
NRC: Region III		2C	
NRC: Washington		2C	
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OSA	1*	1C	
Reg Affairs Library	4A	1C	
S.S. Office	29*	1C	
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State of Michigan		1C	
Training Cart 1, T. Ott	11	1C	
Training Cart 2, S. Gleffe	11	1C	
Training Cart 3, S. Freeman	11	1C	
Training Cart 4, S. Stiger	11	1C	
Training Cart 5, M. Juengling	11	1C	
Training Cart 6, D. Terry	11	1C	
Training Library	11	1C	
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Document	Revision	Status	Title
PMP-2080-EPP-107	15A	Approved	NOTIFICATION

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211 710-086

A045

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DOCUMENT Page: 1

Nuclear Document Management

Emergency Plan Procedure Index

Document #	Title	Revision/ Date	Comment
12-EPP-2080-EPA-008	EMERGENCY PLAN MANAGEMENT	0 03/30/2001	
PMP-2080-EPP-100	EMERGENCY RESPONSE	0 04/06/2001	
PMP-2080-EPP-101	EMERGENCY CLASSIFICATION	3 05/26/2000	
PMP-2080-EPP-107	NOTIFICATION	15 04/06/2001	
PMP-2080-EPP-108	INITIAL DOSE ASSESSMENT	3-CS1 01/05/2001	
PMP-2080-EPP-110	TOXIC GAS RELEASE GUIDELINES	3 06/01/2000	
PMP-2080-EPP-111	NATURAL EMERGENCY GUIDELINES	1 02/06/1995	
PMP-2080-EPP-112	PERSONNEL INJURY	1 06/05/1997	
PMP-2080-EPP-113	TRANSPORTATION ACCIDENTS INVOLVING RADIOACTIVE MATERIAL	0 01/06/1987	
PMP-2080-EPP-200	INITIATING CHANGES TO THE EMERGENCY PLAN OR EMERGENCY PLAN IMPLEMENTING PROCEDURES	0 03/12/2001	
PMP-2081-EPP-101	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	3 06/30/1998	
PMP-2081-EPP-102	TSC EMERGENCY COMMUNICATIONS	6 04/13/1998	
PMP-2081-EPP-103	ASSEMBLY, ACCOUNTABILITY, AND EVACUATION OF PLANT PERSONNEL	3 05/11/1999	
PMP-2081-EPP-104	SECURITY ACTIONS DURING EMERGENCY CONDITIONS	1A-CS1 01/05/2001	
PMP-2081-EPP-105	INITIAL CORE DAMAGE ASSESMENT	4-CS1 06/16/2000	
PMP-2081-EPP-106	ONSITE RADIOLOGICAL ASSESSMENT	1 05/18/1994	
PMP-2081-EPP-107	ALTERNATE RELEASE LEVEL DETERMINATION	1 02/28/1994	
PMP-2081-EPP-201	ACTIVATION OF THE OPERATIONS STAGING AREA	2 06/30/1998	
PMP-2081-EPP-202	OPERATION OF THE OPERATIONS STAGING AREA	2-CS1 02/23/1995	
PMP-2081-EPP-203	ACTIVATION OF EMERGENCY RESPONSE TEAMS	5 06/30/1998	
PMP-2081-EPP-204	DAMAGE CONTROL	0 01/06/1987	
PMP-2081-EPP-205	REENTRY AND RESCUE	1-CS1 01/05/2001	
PMP-2081-EPP-207	BARRING OF THE PABX	2 08/07/1992	

Nuclear Document Management

Emergency Plan Procedure Index

Page: 2

Document #	Title	Revision/ Date	Comment
PMP-2081-EPP-208	EMERGENCY RADIATION PROTECTION	3 06/30/1998	
PMP-2081-EPP-209	ONSITE RADIOLOGICAL MONITORING	1 08/07/1992	
PMP-2081-EPP-210	UNIT VENT SAMPLING	2 05/02/2000	
PMP-2081-EPP-211	SECONDARY SYSTEMS SAMPLING	1 12/07/1998	
PMP-2081-EPP-212	CONTAINMENT ATMOSPHERE SAMPLING	1-CS1 05/26/1988	
PMP-2081-EPP-213	OFFSITE RADIOLOGICAL MONITORING	1 01/18/1999	
PMP-2081-EPP-214	ENVIRONMENTAL SAMPLING	1 07/01/1996	
PMP-2081-EPP-301	ACTIVATION AND OPERATION OF THE EMERGENCY OPERATIONS FACILITY	5 06/30/1998	
PMP-2081-EPP-302	EOF COMMUNICATIONS	7 06/30/1998	
PMP-2081-EPP-303	OFF-SITE RADIOLOGICAL ASSESSMENT	4 06/30/1998	
PMP-2081-EPP-304	OFF-SITE DOSE PROJECTION	7 06/30/1998	
PMP-2081-EPP-305	PROTECTIVE ACTION RECOMMENDATIONS	5 06/30/1998	
PMP-2081-EPP-306	DE-ESCALATION OR TERMINATION OF THE EMERGENCY AND RECOVERY	2 10/27/1997	



REVIEW AND APPROVAL TRACKING FORM

Procedure Information:			
Number: <u>PMP 2080 EPP 107</u>		Revision: <u>15</u>	Change: <u>0</u>
Title: <u>Notification</u>			
Category (Select One Only):			
<input type="checkbox"/> Correction (Full Procedure)		<input 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 checked="" type="checkbox"/> New Procedure or Change with Full Review	
<input type="checkbox"/> Superseded (list superseding procedures): _____			
Associated Configuration Document Impact Assessments:			
CDI Tracking No(s): _____			<input checked="" type="checkbox"/> N/A
Required Reviews:			
Cross-Discipline Reviews:		Programmatic Reviews:	
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<input type="checkbox"/> Maintenance	<input type="checkbox"/> Work Control	<input checked="" type="checkbox"/> Bus. Services Proc Grp	<input type="checkbox"/> Reactivity Mgmt Team
<input type="checkbox"/> NDM	<input type="checkbox"/> _____	<input type="checkbox"/> Component Engineering	<input type="checkbox"/> SPS (Safety & Health)
<input checked="" type="checkbox"/> Operations	<input type="checkbox"/> _____	<input type="checkbox"/> Design Engineering	<input type="checkbox"/> Surveillance Section
<input type="checkbox"/> PA/PV	<input type="checkbox"/> _____	<input type="checkbox"/> Emerg Oper Proc Grp	<input type="checkbox"/> System Engineering
<input type="checkbox"/> Reg Affairs	<input type="checkbox"/> _____	<input type="checkbox"/> Environmental	<input type="checkbox"/> _____
<input type="checkbox"/> RP	<input type="checkbox"/> None Required	<input type="checkbox"/> ISI/IST Coordinator	<input type="checkbox"/> None Required
<input checked="" type="checkbox"/> Cognizant Org Review: <u>Cynthia Buffonius</u>		Date: <u>3/22/01</u>	
<input checked="" type="checkbox"/> Technical Review: <u>William D. Nichols</u>		Date: <u>3/22/01</u>	
Concurrence:			
<input type="checkbox"/> Ops Mgr Concurrence: <u>NA</u>		Date: <u>1/1/</u>	
<input checked="" type="checkbox"/> Owner Concurrence: <u>[Signature]</u>		Date: <u>3/22/01</u>	
Package Check:			
Updated Revision Summary attached?		<input checked="" type="checkbox"/> Yes	
10 CFR 50.59 Requirements complete?		Tracking No.: <u>2001-0164-00</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	
Implementation Plan developed?		(Ref. Step 3.4.18) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	
Package Complete: <u>SKMallory</u>		Date: <u>5/23/01</u>	
Approvals:			
PORC Review Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Mtg. No.: <u>3862</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>4/4/01</u>	
Expiration Date/Ending Activity: <u>NA</u>		Effective Date: <u>4/6/01</u>	
Periodic Review:			
Periodic Review conducted?		(Data Sheet 5 Complete) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
NDM Use Only	Office Information For Form Tracking Only - Not Part of Form		
	<p>NUCLEAR DOCUMENT MANAGEMENT SECTION</p> <p>APR 06 2001</p> <p>CONTROLLED DOCUMENT</p> <p>This form is derived from the information in PMP-2010-PRC-002, Procedure Correction, Change, and Review, Rev. 8, Data Sheet 1, Review and Approval Tracking Form.</p> <p>Page <u>1</u> of <u>6</u></p>		

Revision Summary

Document No. PMP-2080-EPP.107

Rev. : 15

Change: 0

Title: Notification

Reviewer Name/Signature: _____ Date: _____

Corrections made per PMP-2010.PRC.002, Figure 1, items (a - s)

	Section/Step	Change	Justification	Correction Criteria Item
1.	Throughout	No Marginal Markings used.	Major rewrite of the procedure.	
2.	Title	Changed title from "Notification of Plant Personnel" to "Notification"	Notifications made within this procedure include offsite agencies, not just CNP personnel; this change is more descriptive of the actions contained within the procedure.	
3.	Step 1.1	Purpose and Scope now includes the notification of offsite personnel	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106. EPP.106 is being deleted.	
4.	Section 2	Added "(ERO)" after Emergency Response Organization	The acronym follows the first use of its related noun.	
5.	Step 3.1.2	Deleted	Notification to Security Supervisor is performed in step 3.2.1. There are no actions for Security within this procedure.	
6.	Step 3.1.3	Deleted	SAS operator is notified in step 3.2.1. There are no actions for SAS to perform within this procedure.	
7.	Step 3.1.4	Deleted	The CAS and North SCC staff have no responsibilities within this procedure.	
8.	Section 3.2	Deleted	This section has been deleted to comply with format requirements of PMP-2010-PRC.001, Procedure Writing. The requirements have been incorporated within the body of the procedure. See below.	
9.	Step 3.2.1	New NOTE prior to step 3.2	Maintain the requirement stated as a Limitations/Precautions	
10.	Step 3.2.2	New step 3.2.3	Previous step 3.2.2. Delete Limitations/Precautions	

Revision Summary

Document No. PMP-2080-EPP.107

Rev. : 15

Change: 0

Title: Notification

Reviewer Name/Signature: _____

Date: _____

	Section/Step	Change	Justification	Correction Criteria Item
11.	Step 3.2.3	New step 3.2.6.a	Previous step 3.2.3. Deleted Limitations/Precautions	
12.	Section 3.3	Deleted	This section has been deleted to comply with format requirements of PMP-2010-PRC.001, Procedure Writing. The initiation of the E-Plan is contained in other procedures.	
13.	Step 3.2.2	This task was previously contained in EPP.106, step 3.2.1.	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106. EPP.106 is being deleted.	
14.	Step 3.2.3	This task was previously contained in EPP.106, step 3.2.2	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106. EPP.106 is being deleted.	
15.	Step 3.2.3.a	This task was previously contained in EPP.106, step 3.2.1.a. Data Sheet number has been changed to conform with numbering system contained in EPP.107	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106. EPP.106 is being deleted. Conform with the current numbering contained in EPP.107	
16.	CAUTION prior to Section 3.4	This CAUTION was contained in EPP.106 prior to step 3.4.1. It has be modified deleting "Utilizing Attachment No.1 to PMP 7030.001.001," changed to a step and moved to step 3.2.6.	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106. EPP.106 is being deleted. The deleted requirement is as action step. Action steps are not allowed in CAUTIONS.	
17.	Step 3.2.5	This step was a NOTE contained in EPP.106 prior to step 3.4.1.	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106. EPP.106 is being deleted. Because this is an action, the NOTE has become a step.	
18.	Section 3.4	Title changed to Actions	Editorial change, no need to include the title of the person performing actions.	
19.	Step 3.4.1	Added extension 1119 to step. New step number 3.2.1	Provide additional phone numbers in order to ensure SAS is notified in as short a period of time as possible.	

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. <u>7</u> , Data Sheet 3, Surveillance Test Procedure Criteria.	Page <u>3</u> of <u>6</u>

QAC 3/20/12

Revision Summary

Document No. PMP-2080-EPP.107

Rev. : 15

Change: 0

Title: Notification

Reviewer Name/Signature: _____

Date: _____

	Section/Step	Change	Justification	Correction Criteria Item
20.	Step 3.4.3	New sub-step heading, previously part of step 3.4.1 of EPP.106. Reordered and broke apart step 3.4.3.	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106. EPP.106 is being deleted. Streamlined notification process.	
21.	Step 3.4.3.a	Previously part of step 3.4.1 of EPP.106. Changed title format. Deleted Data Sheet 1. Data Sheet 1 is now the Nuclear Plant Accident Notification form.	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106. EPP.106 is being deleted. Conform to format requirements of PRC.001. Data Sheet 1 is redundant to Nuclear Plant Accident Notification form.	
22.	Step 3.4.3.b	Previously part of step 3.4.1 of EPP.106. Change referenced data sheet title and added who was being notified. New step 3.2.3.b	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106. EPP.106 is being deleted. Provide current information as to title of data sheet.	
23.	Step 3.4.3.c	Previously part of step 3.4.1 of EPP.106. New step 3.2.3.b. Deleted instructions for recording time and initials. Changed Exhibit B to Data Sheet 2.	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106. EPP.106 is being deleted. Instructions are on Data Sheet. Make attachment title consistent with current procedure.	
24.	Step 3.4.3.d	Previously part of step 3.4.2 of EPP.106. New Step 3.2.6. Added procedure title and number for notification to the NRC. Changed attachment number to correspond to numbering used in EPP.107.	Transfers offsite notification requirements contained in 12-PMP-2080-EPP.106, step 3.4.1 EPP.106 is being deleted. Reordered step to streamline notification process. Requirement of PMP-2010-PRC.001.	
25.	Step 3.4.4	Previously step 3.4.3 of EPP.106. Changed phone extensions and deleted recording of time notification made. New step 3.2.8. Deleted reference to Data Sheet 3	Transferred notification requirements due to the deletion of EPP.106. Data Sheet 3 of EPP.106 has been deleted.	

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This form is derived from the information in PMP-2010.PRC.002, Procedure Correction, Change, and Review, Rev. 7 Data Sheet 3, Surveillance Test Procedure Criteria.

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am 8/25/07

Revision Summary

Document No. PMP-2080-EPP.107

Rev. : 15

Change: 0

Title: Notification

Reviewer Name/Signature: _____

Date: _____

	Section/Step	Change	Justification	Correction Criteria Item
26.	Step 3.4.4.a	Previously step 3.4.3.a of EPP.106. Included in higher level step 3.2.8.	Transferred notification requirements due to the deletion of EPP.106.	
27.	Step 3.4.4.b	Previously step 3.4.3.b of EPP.106. Changed to active voice. New step 3.2.8.a	Transferred notification requirements due to the deletion of EPP.106. Format.	
28.	Step 3.4.4.c	Previously step 3.4.3.c of EPP.106 New step 3.2.8.b Deleted reference to off hours notifications. ERO Phone Directory Section 5 is used for notification	Transferred notification requirements due to the deletion of EPP.106. Notification is always made. Only Section 5 is required to notify proper personnel.	
29.	Step 3.4.4	Previously step 3.4.5 of EPP.106	Transferred notification requirements due to the deletion of EPP.106.	
30.	Step 4.2	Added "Drill completed."	Scope of procedure includes the performance of drills. This step insures close out of procedure.	
31.	Step 4.3	Added "Communication System Test complete."	Scope of procedure includes the performance of communication system tests. This step insures close out of procedure.	
32.	Step 5.1.2	Added PMP-7030.001.001 to references	Procedure was referenced within body of procedure. PRC.001 requires referenced procedures to be listed in the Reference Section of the procedure.	
33.	Attachment 2 Step 1.1.2	Added "for a minimum of 8 to 10 seconds" Reworded announcements to include information on duty ERO turnover.	This ensures that all personnel hear the alarm without being distracting to plant operations. To prompt on-coming duty ERO personnel to respond to the turnover notification test.	
34.	Attachment 2 Step 1.1.4 bullet 5	Reworded step to place the condition prior to the action.	Conforms with the requirements in PRC.001.	

Office Information For Form Tracking Only - Not Part of Form	
This is derived from the information in PMP-2010.PRC.002, Procedure Correction, Change, and Review, Rev. 1, Data Sheet 3, Surveillance Test Procedure Criteria.	Page <u>5</u> of <u>6</u>

8 *3/22/07*

Revision Summary

Document No. PMP-2080-EPP.107Rev. : 15Change: 0Title: Notification

Reviewer Name/Signature: _____ Date: _____

	Section/Step	Change	Justification	Correction Criteria Item
35.	Attachment 2 Step 1.1.2 bullet 4	Added acceptance criteria	Document the successful completion of the Nuclear Emergency Alarm.	
36.	Attachment 2 Step 1.1.3 second bullet	Added acceptance criteria	Document the successful completion of the Training Building and Buchanan Office Building Public Address System.	
37.	Attachment 2 Step 1.1.4 bullet 7	Added acceptance criteria	Document the successful completion of the Beach Evacuation Warning Test.	
38.	Data Sheet 1	Previously Data Sheet 1 Exhibit A of EPP.106. Replaced Accident Information Reporting Data Sheet with Nuclear Plant Accident Notification form.	Transferred data sheet due to the deletion of EPP.106. Accident Information data sheet is redundant to the Nuclear Plant Accident Notification form. This form is required by the state.	
39.	Data Sheet 2	Previously Data Sheet 2 Exhibit B of EPP.106 Deleted classification information on the Data Sheet.	Transferred data sheet due to the deletion of EPP.106. This is a phone list. The classification is contained on Nuclear Plant Accident Notification form.	
40.	Data Sheet 3	Previously Data Sheet 4 Exhibit D of EPP.106	Transferred data sheet due to the deletion of EPP.106.	


 AMERICAN ELECTRIC POWER <small>AEP America's Energy Partner</small>	PMP-2080-EPP-107	Rev. 15	Page 1 of 14
Notification			
Reference		Effective Date: <u>4/6/01</u>	
<u>B. K. Molloy</u> Writer	<u>P. E. Holland</u> Owner	<u>Site Protective Services</u> Cognizant Organization	

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1 PURPOSE AND SCOPE

- 1.1 This procedure specifies the actions for notification of offsite personnel and activation of plant emergency response personnel for emergency conditions, drills, exercises and communication system tests.

2 DEFINITIONS AND ABBREVIATIONS

Term	Meaning
Drill	An Emergency Response Organization (ERO) test that uses the Dialogic pager system to page ERO members in order to activate the Emergency Response Facilities. Automatic phone calls will NOT be made to ERO members' homes.
Emergency	An actual plant condition that requires an Emergency Plan classification.
Exercise	An Emergency Response Organization test that uses the Dialogic pager system to page AND make automatic phone calls to the homes of ERO members, as necessary, in order to activate the Emergency Response Facilities.
Turnover	A Dialogic Emergency Response Organization pager activation that signals a change in the on-duty Team.

3 DETAILS

3.1 General

- 3.1.1 The Shift Manager (SM) shall assume the duties of the Site Emergency Coordinator (SEC) and initiate this procedure.
- 3.1.2 IF an Emergency Classification upgrade is required, THEN re-perform section 3.2 of this procedure.
- Activation of ERO pagers is only required once.

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NOTE: The ERO Phone Directory does not require approval by the PORC prior to implementation.

The SEC may implement this procedure in full or partially at any time should the need for additional personnel be recognized.

3.2 Actions

3.2.1 IF an Alert, Site Area Emergency, or a General Emergency has been declared, THEN call the SAS at extension 1118 or 1119 and direct Security to implement the Dialogic Emergency Response Organization pager system for an EMERGENCY.

3.2.2 Direct a Control Room Operator to perform one of the following over the Public Address (PA) system. Include a brief description of the incident. Have the announcement broadcast twice.

FOR AN UNUSUAL EVENT:

"Attention all personnel. Attention all personnel. An Unusual Event has been declared due to _____ (brief description)____. Continue with your work and be prepared for future announcements."

FOR AN ALERT:

"Attention all personnel. Attention all personnel. An Alert has been declared due to _____ (brief description)____. Activate the Operations Staging Area, Technical Support Center, and the Emergency Operations Facility at this time. All other personnel stand by for further announcement."

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FOR A SITE AREA EMERGENCY OR GENERAL EMERGENCY:

Sound the Nuclear Emergency Alarm from the Control Room and broadcast the following:

"Attention all personnel. Attention all personnel. A (Site Area Emergency or General Emergency) has been declared due to (brief description). Activate the Technical Support Center, Operations Staging Area and the Emergency Operations Facility. All other personnel report for accountability."

- a. On any touch-tone telephone, dial 1646 to access the Training Center and Buchanan Office Building PA and repeat the above announcement twice.

3.2.3 Within 15 minutes of the classification of any emergency perform the following:

- a. Complete Data Sheet 1, Nuclear Plant Accident Notification form, EMD-32, (from Emergency Kit or DAP printout). Steps 1-7 must be completed, as a minimum.
- b. Contact the Michigan State Police (MSP) at 8-1-517-336-6250 and the Berrien County Sheriff's Department at 8-1-616-983-3911.
 - Document phone calls on Data Sheet 2, Shift Manager Initial Offsite Notification List.
- c. Provide the information from Data Sheet 1, Nuclear Plant Accident Notification form, verbally to the MSP and the Berrien County Sheriff's Department.
- d. Request a call back from the MSP and Berrien County Sheriff's Department.
- e. Inform the MSP that Data Sheet 1, Nuclear Plant Accident Notification form will be faxed.

3.2.4 Fax Data Sheet 1, Nuclear Plant Accident Notification form, to the MSP: Fax number 8-1-517-336-6257.

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NOTE: If AUTO is selected on the fax machine all of the locations listed in step 3.2.5 will receive the fax. If AUTO is NOT selected then each of the locations will have to be individually faxed at the numbers listed in step 3.2.5.

- 3.2.5 IF an Alert, Site Area Emergency or General Emergency exists, THEN fax Data Sheet 1, Nuclear Plant Accident Notification form to the following locations every 15 minutes until relieved by the EOF.

Michigan State Police	8-1-517-336-6257
State Emergency Operations Center	8-1-517-333-4987
Emergency Operations Facility	8-284-2942
Emergency News Center	2906 or 2907

- 3.2.6 For all classifications, including classification upgrades, the Shift Manager or designee shall: [Commitment # 7 and 9]

- a. Provide the information on Data Sheet 3, Plant Status, to the NRC, as soon as possible, after the State and County have been notified, within one hour of classification.
 - Make the notification in accordance with the instructions in Attachment 1 of PMP-7030-001-001, Prompt NRC Notification.

- 3.2.7 IF an emergency classification is upgraded, THEN verbally inform the MSP, Berrien County Sheriff's Department and the NRC.

- Document phone calls to MSP and Berrien County Sheriff's Department, on Data Sheet 2, Shift Manager Initial Offsite Notification List.

- 3.2.8 Inform the Security Shift Supervisor of the time of the Emergency Classification.

- a. Direct the Security Shift Supervisor to assume the responsibility of the Security Director.
- b. Direct the Security Shift Supervisor to notify the personnel listed in Section 5 of the ERO Phone Directory of the Emergency Classification.

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3.3 Drills, Exercises and Communication System Tests

3.3.1 IF a Drill or Exercise is being conducted, THEN perform the applicable portions of Attachment 1.

3.3.2 IF a Communication System Test is being conducted, THEN perform the applicable portions of Attachment 2.

4 FINAL CONDITIONS

4.1 Emergency is closed-out.

4.2 Drill is completed.

4.3 Communication System Test is completed.

5 REFERENCES

5.1 Use References:

5.1.1 Emergency Response Organization ERO Phone Directory.

5.1.2 PMP-7030-001-001, Prompt NRC Notification

5.2 Writing References:

5.2.1 Source References:

- a. NUREG 0654 FEMA REP-1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants (Rev. 1).
- b. Cook Nuclear Plant Emergency Plan.
- c. Commitment #7 and 9.

5.2.2 General References

- a. None.

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Notification			
Attachment 1	Drills and Exercises	Pages: 7 - 8	

1 DRILLS AND EXERCISES

1.1 IF an Alert, Site Area Emergency, or a General Emergency has been declared, THEN the Simulator Shift Manager calls the SAS at extension 41-1118 and directs Security to implement the Dialogic Emergency Response Organization pager system for an EXERCISE or DRILL (EXERCISES and DRILLS are activated using different Dialogic codes).

1.2 The Simulator Shift Manager requests that the Shift Manager have a control room staff member page the plant using the Plant PA system, and make the following applicable announcement:

- For an UNUSUAL EVENT:

"This is a drill, this is a drill. Attention all personnel, Attention all personnel. An Unusual Event has been declared due to (brief description). Continue with your work and be prepared for future announcements. This is a drill"

- For an ALERT:

"This is a drill, this is a drill. Attention all personnel. Attention all personnel. An Alert has been declared due to (Brief description). Activate the Operations Staging Area, Technical Support Center, and the Emergency Operations Facility at this time. All other personnel stand by for further announcement. This is a drill."

- For a SITE AREA EMERGENCY or GENERAL EMERGENCY:

"This is a drill, this is a drill. Attention all personnel. Attention all personnel. A Site Area Emergency or General Emergency has been declared due to (Brief description). ERO personnel activate the Technical Support Center, Operations Staging Area, and the Emergency Operations Facility. All other personnel continue your normal duties. This is a drill."

1.3 The Simulator Shift Manager directs the Simulator control room staff to sound the Nuclear Emergency Alarm in the SIMULATOR for a Site Area Emergency or General Emergency.

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Notification			
Attachment 1	Drills and Exercises		Pages: 7 - 8

1.4 The Simulator Shift Manager directs the Simulator unaffected control room staff to page the Training Building and Buchanan Office Building by dialing 41-1646## on the plant phone system, and make the following applicable announcement:

- For an UNUSUAL EVENT:

"This is a drill. This is a drill. Attention all personnel, Attention all personnel. An Unusual Event has been declared due to ___(brief description)___. Continue with your work and be prepared for future announcements. This is a drill"

- For an ALERT:

"This is a drill. This is a drill. Attention all personnel. Attention all personnel. An Alert has been declared due to ___(Brief description)___. Activate the Operations Staging Area, Technical Support Center, and the Emergency Operations Facility at this time. All other personnel stand by for further announcement. This is a drill."

- For a SITE AREA EMERGENCY or GENERAL EMERGENCY:

"This is a drill. This is a drill. Attention all personnel. Attention all personnel. A Site Area Emergency or General Emergency has been declared due to ___(Brief description)___. Activate the Technical Support Center, Operations Staging Area, and the Emergency Operations Facility. This is a drill."



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Notification			
Attachment 2	Communication System Tests		Pages: 9 - 10

1 COMMUNICATION SYSTEM TESTS

1.1 Nuclear Emergency Alarm Test and ERO Turnover/Notification Process Test

1.1.1 Operating shift shall perform the following tests every Tuesday at approximately 1000:

- Call the SAS at extension 1118 to direct Security to activate the Dialogic Emergency Response Organization pagers for a Turnover.

1.1.2 Test Nuclear Emergency Alarm

- Announce:

"This is a test. This is a test. The following is a test of the Nuclear Emergency Alarm and ERO turnover notification."

- Sound the Nuclear Emergency Alarm (NEA) for 8 to 10 seconds and then reset by pushing "OVERRIDE" button.

- Announce:

"The test of the Nuclear Emergency Alarm is complete. Oncoming duty ERO personnel should call Dialogic at this time."

- Acceptance Criteria:

NEA alarm is heard in the Control Room.

Print Name/Signature

Date

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Notification			
Attachment 2	Communication System Tests		Pages: 9 - 10

1.1.3 Perform test of the Training Building and Buchanan Office Building Public Address System.

- Dial 1646 and announce the following:
- "This is a test. This is a test of the Training Building and Buchanan Office Building Public Address System and ERO turnover notification. Oncoming duty ERO personnel should call Dialogic at this time. Test is complete."
- Acceptance Criteria:

Emergency Planning personnel report that PA system test is heard in the Training Building and Buchanan Office Building.

Print Name/Signature

Date

1.1.4 Perform the test of the Beach Evacuation Warning Test:

- Select "TEST".
- Turn-up volume to monitor announcement.
- Push "ONE" button.
- Push "ON" button.
- WHEN announcement is complete, THEN push "OFF" button.
- Turn down volume.
- Acceptance Criteria:

Announcement is heard in the Control Room.

Print Name/Signature

Date

FORWARD COMPLETED FORM TO EMERGENCY PLANNING SECTION.

Reference	PMP-2080-EPP-107	Rev. 15	Page 12 of 14
Notification			
Data Sheet 2	Shift Manager Initial Offsite Notification List		Page: 12

AGENCY NOTIFIED	PHONE NUMBER	CONTACT ESTABLISHED INITIALS / TIME	EVENT CLOSEOUT INITIALS / DATE
Berrien County Sheriff's Department	8-1-616-983-3911	_____/____	_____/____
REQUEST CALL BACK VERIFICATION	BCSD Person Contacted _____ Time Call Back Received: _____		
Michigan State Police	8-1-517-336-6250	_____/____	_____/____
REQUEST CALL BACK VERIFICATION	MSP Person Contacted: _____ Time Call Back Received: _____		
NRC Operations Center - Continuous contact will be required for an ALERT, SITE AREA EMERGENCY, OR GENERAL EMERGENCY	8-1-301-816-5100	Red Phone or Commercial	
	8-1-301-951-0550	_____/____	_____/____
	8-1-301-415-0553	_____/____	_____/____
	NRC Person Contacted: _____		

Reference	PMP-2080-EPP-107	Rev. 15	Page 13 of 14
Notification			
Data Sheet 3	Plant Status		Pages: 13 - 14

Time of NRC Notification: _____

Reactivity Control

- | | | | |
|---------------------------------|-----|----|---------------------|
| • All Control rods inserted? | Yes | No | _____ # of rods out |
| • Reactor Subcritical? | Yes | No | |
| • Emergency Boration initiated? | Yes | No | |
| • Adequate Shutdown Margin? | Yes | No | |

RCS inventory Control

- Inventory makeup controlled by: (Identify all pumps injecting into RCS):

CVCS - Normal Charging

Charging Pumps via BIT (High Head SI)

Safety injection pumps (Intermediate Head SI)

RHR Pumps (Low Head SI)

Other: _____

RCS Pressure Control

- | | | |
|--------------------------------|-----|----|
| • Pressurizer PORVs Closed? | Yes | No |
| • Pressurizer Safeties Closed? | Yes | No |

RCS Transport Control

Forced Circulation by RCP

Natural Circulation

Feed and Bleed

Decay Heat Removal System (RHR)

RCS Heat Sink (available or in operation)

S/G - Condenser Dump Valves

S/G - Atmospheric Dump Valves

S/G - Safety Valves

Containment - Feed/Bleed

Decay Heat Removal System (RHR)



Reference	PMP-2080-EPP-107	Rev. 15	Page 14 of 14
Notification			
Data Sheet 3	Plant Status	Pages: 13 - 14	

S/G Inventory Control

Main Feedwater

Aux. Feedwater

Other: _____

Containment Control

- | | | |
|--|-----|----|
| • Ice Condenser Doors OPEN? | Yes | No |
| • Containment Sprays ON? | Yes | No |
| • Hydrogen Recombiners/Igniters ON? | Yes | No |
| • Containment Isolation Valves fail to
CLOSE? | Yes | No |
| • Phase A Actuation | Yes | No |

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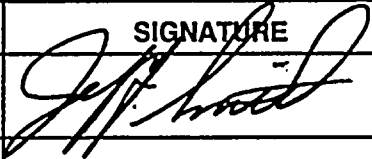

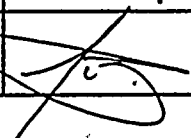
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Procedure No. **PMP 2080 EPP.107**

Revision No. **13**

TITLE		
NOTIFICATION OF PLANT PERSONNEL		
SCOPE OF REVISION		
<ul style="list-style-type: none"> Deleted references to PMSO.150, ERO Call-Out List and replaced it with a stand alone Emergency Response Organization (ERO) Phone Directory Deleted "Actions of the Shift Supervisor or his Designee" in Section 3.4 and re-numbered remaining procedure steps Deleted Exhibits A & B and moved it to PMP 2080 EPP.106, "Initial Offsite Notification" Margin Markings used 		
	PRINTED NAME	SIGNATURE
PREPARED BY	Jeff Smith	
PLANT PERFORMANCE ASSURANCE SUPERINTENDENT	M. L. HORVATH	
PLANT NUCLEAR SAFETY COMMITTEE	#3303 6-11-98	W.B. Depuydt
PLANT MANAGER APPROVAL	D. E. COOPER	
APPROVAL DATE	6/29/98	
EFFECTIVE DATE	6/30/98	

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LIST OF EFFECTIVE PAGES

PROCEDURE

REVISION NUMBER/EFFECTIVE CHANGE

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Revision 13

AMERICAN ELECTRIC POWER
DONALD C. COOK NUCLEAR PLANT

NOTIFICATION OF PLANT PERSONNEL

1.0 OBJECTIVES

- 1.1 This procedure specifies the actions to be taken to summon plant emergency response personnel to their respective emergency response facility during non-working hours.

2.0 REFERENCE

- 2.1 NUREG-0654 FEMA REP-1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants (Rev. 1).
- 2.2 Cook Nuclear Plant Emergency Plan.
- 2.3 Emergency Response Organization (ERO) Phone Directory, Sections 1 through 4.

3.0 DETAILED PROCEDURE

3.1 Responsibilities

- 3.1.1 The Shift Supervisor (SS) acting as the Site Emergency Coordinator (SEC) is responsible for initiation of this procedure.
- 3.1.2 The Shift Security Supervisor is responsible for implementing the Security Director call-out list and for ensuring that the Central Alarm Station (CAS), the Secondary Alarm Station (SAS) and the North Security Control Center (North SCC) implement their applicable call-out list.
- 3.1.3 The CAS, SAS and North SCC are responsible for implementing their respective call-out list.

NOTE

The ERO Phone Directory does not require approval by the PNSRC prior to implementation.

- 3.1.4 The Emergency Planning Department is responsible for updating the names, phone numbers, and positions on the ERO Phone Directory at a minimum of once every quarter.



3.2 Limitations/Precautions

- 3.2.1 Notification of plant personnel should occur as soon as possible following notification of Berrien County, the State of Michigan and the Nuclear Regulatory Commission. These actions may be performed concurrently if sufficient manpower is available.
- 3.2.2 The SEC may implement this procedure in full or partially at any time should the need for additional manpower be recognized.
- 3.2.3 This procedure shall be implemented in its entirety upon initial declaration of an Alert, Site Area Emergency or General Emergency.

3.3 Prerequisites

- 3.3.1 Either of the following conditions exists:

- An Alert, Site Area Emergency or General Emergency has been declared during non-working hours and emergency response facilities are not activated.

or

- An Unusual Event has been declared and the SEC has determined that additional manpower is required.

or

- Berrien County, the State of Michigan and the NRC have been notified, or are being notified, of the emergency declaration.

3.4 Security Director Actions

NOTE

The ERO Phone Directory Call-Out Lists are as follows:

- Section No. 1 - Security Director Emergency Call-Out List
- Section No. 2 - Central Alarm Station (CAS) Emergency Call-Out List
- Section No. 3 - Secondary Alarm Station (SAS) Emergency Call-Out List
- Section No. 4 - North Security Control Center Emergency Call-Out List

- 3.4.1 Notify the CAS, SAS and North SCC to implement their respective emergency call-out list.
- 3.4.2 Implement the Security Director Emergency call out as instructed in Section #1.



3.4.3 When the CAS, SAS and North SCC have reported the completion of their respective call-out list, report the following to the SEC:

- Completion status of call-out.
- Emergency position titles for which no individual or the prescribed number of individuals could be contacted.

4.0 FINAL CONDITIONS

4.1 Upon event close-out forward the completed Security Director, CAS, SAS and North SCC call-out list to the Emergency Planning Coordinator.

Date _____

OFF-DUTY NOTIFICATION INFORMATION SHEET

1.0 _____ was declared at _____

2.0 Nature of Incident and status of plant:

3.0 A release to the environment has not occurred _____; has occurred _____; is occurring _____; may occur _____.

4.0 Projected Total Effective Dose Equivalent (TEDE)
dose rates at the site boundary are _____.

5.0 Report to the Control Room at this time.

SS/SEC EMERGENCY CALL-OUT LIST

Date: _____

	TELEPHONE NUMBER	TIME CONTACTED
1. Security Director	X 1135	_____
2. Contact one of the following Emergency Response Facility Liaisons:		
a. Bob Gillespie	9-1-219-326-1726	_____
b. Guy Tollas	9-422-1424	_____
c. Roger Rickman	9-465-6374	_____
d. Mike Mlerau	9-1-616-429-2944	_____

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REVIEW AND APPROVAL TRACKING FORM

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<input checked="" type="checkbox"/> Cognizant Org Review: <u>Cindy Thaffenius</u>		Date: <u>3/29/01</u>	
<input checked="" type="checkbox"/> Technical Review: <u>Stacy Kelly / Council</u>		Date: <u>3/29/01</u>	
Concurrence:			
<input type="checkbox"/> Ops Mgr Concurrence: <u>P/A</u>		Date: <u>1/1/</u>	
<input checked="" type="checkbox"/> Owner Concurrence: <u>[Signature]</u>		Date: <u>3/29/01</u>	
Package Check:			
Updated Revision Summary attached?		<input checked="" type="checkbox"/> Yes	
10 CFR 50.59 Requirements complete?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	
Implementation Plan developed? (Ref. Step 3.4.18)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	
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REVISION SUMMARY

Number: 12-EPP-2080-EPA-008

Revision: 0

Change: 0

Title: Emergency Plan Management

The purpose of this procedure is to establish a standardized approach for processing proposed changes to the D. C. Cook Emergency Plan and to document an evaluation that demonstrates whether the proposed change can be implemented without prior NRC approval, in accordance with 10 CFR 50.54(q).

Section or Step	Change/Reason For Change
	Change: Reason:
	Change: Reason:
	Change: Reason:
	Change: Reason:

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Reference			Effective Date: 3/30/01
R. S. Krieger Writer	P. E. Holland Owner	Emergency Planning Cognizant Organization	

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1 PURPOSE AND SCOPE

- 1.1 The purpose of this procedure is to establish a standardized approach for processing proposed changes to the D. C. Cook Emergency Plan and to the Emergency Plan Implementing Procedures.
- 1.2 To document an evaluation that demonstrates whether the proposed change can be implemented without prior NRC approval, in accordance with 10 CFR 50.54(q).

2 DEFINITIONS AND ABBREVIATIONS

Term	Meaning
ERO	Emergency Response Organization
ERF	Emergency Response Facility

3 RESPONSIBILITIES

- 3.1 The individual requesting the change is responsible for drafting the proposed wording for the change.
- 3.2 Emergency Planning Coordinators are responsible for evaluating the proposed change.
- 3.3 The Emergency Planning Manager is responsible for reviewing and approving any change request evaluations.

4 DETAILS

- 4.1 IF the requested change is for a change to the Emergency Plan, THEN:
 - 4.1.1 Prepare Data Sheet 1, Evaluation of Proposed Change to D. C. Cook Emergency Plan and Implementing Procedures, for each change.
 - Similar changes may be combined into one evaluation.
 - Equivalent computer generated forms may be used in lieu of the data sheet.
 - Provide a complete justification regardless of the outcome of the determination as to the "Decrease in Effectiveness" of the plan.

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- 4.1.2 Submit each requested change evaluation to the Emergency Planning Manager for review and approval.

NOTE: Because proposed changes to the Emergency Plan may include a combination of submittals that Do and Do Not "Decrease the Effectiveness" of the plan, parallel paths for implementation of the proposed changes are permissible.

- 4.1.3 IF the evaluation determines that the requested change will "Decrease the Effectiveness" of the Emergency Plan, THEN:
- a. Do not implement the proposed change.
 - b. Prepare the proposed change for submittal to the NRC.
 - c. Obtain PORC review and approval of the proposed change.
 - d. Submit the change to Licensing for submittal to the NRC.
 - e. IF the NRC approved the Emergency Plan change, THEN implement the change; OTHERWISE do not implement the change.
- 4.1.4 IF the evaluation determines that the requested change will not "Decrease the Effectiveness" of the Emergency Plan, THEN:
- a. Verify an ESAT has been generated to track the change for the next Emergency Plan revision submittal to the NRC.
 - b. Implement the change.
- 4.1.5 Evaluate the requested change to determine if a change to the Emergency Plan implementing procedures is required.
- 4.1.6 Review the appropriate implementing procedures.
- 4.1.7 IF any revisions to the procedures are required, THEN add action items to the ESAT to track the needed procedure revisions.

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NOTE: Step 4.2 need not be performed if the implementing procedures were reviewed in step 4.1

4.2 IF the requested change is for a change to an Emergency Plan implementing procedure, THEN:

4.2.1 Prepare Data Sheet 1, Evaluation of Proposed Change to D. C. Cook Emergency Plan and Implementing Procedures, for each change.

- Similar changes may be combined into one evaluation.
- Equivalent computer generated forms may be used in lieu of the data sheet.
- Provide a complete justification regardless of the outcome of the determination as to the "Decrease in Effectiveness" of the plan.

4.2.2 Submit each requested change evaluation to the Emergency Planning Manager for review and approval.

4.2.3 IF the evaluation determines that the requested procedure change will "Decrease the Effectiveness" of the Emergency Plan, THEN the requested procedure change cannot be implemented.

4.2.4 IF the evaluation determines that the requested procedure change will require a change to the Emergency Plan, THEN follow the actions in step 4.1.

4.2.5 IF the evaluation determines that it will not "Decrease the Effectiveness" of the Emergency Plan or require a change to the Emergency Plan, THEN implement the procedure change.

5 REFERENCES

5.1 Use References:

5.1.1 NUREG-0654, REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants"

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5.2 Writing References:

5.2.1 Source References

- a. 10 CFR 50.47(b)

5.2.2 General References

- a. 10 CFR 50.54(q)
- b. 10 CFR 50, Appendix E "Emergency Planning and Preparedness for Production and Utilization Facilities"

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CHANGE DESCRIPTION

Does the proposed change delete or tend to weaken that portion of the current Emergency Plan revision regarding the following requirements of 10 CFR 50.47(b)	YES	NO
1. Assignment of state, local and site ERO responsibilities?		
2. Assignment of onshift ERO personnel?		
3. Arrangement for utilizing State or local resources and staff?		
4. Emergency Action Levels (EALs)?		
5. Notifications to offsite agencies, ERO, or the public?		
6. Communications between offsite agencies, ERO, or the public?		
7. Dissemination of public information?		
8. Adequacy of emergency facilities and equipment?		
9. Methods, systems, and equipment for offsite response to a radiological emergency?		
10. Protective Action Recommendations/Determination?		
11. Emergency worker radiological exposure control?		
12. Medical services for contaminated/injured personnel?		
13. Re-entry/Recovery plans?		
14. Drills and exercises?		
15. Radiological emergency response training?		
16. Plan development, review, and distribution?		
Does the proposed change delete or tend to weaken that portion of the current Emergency Plan revision regarding the following requirements of 10 CFR 50, Appendix E	YES	NO
(I.) (II.) (III.) Emergency plans as described in the FSAR?		
(IV) A. Organization for coping with radiological emergencies?		
(IV) B. Assessment of radiological emergencies?		
(IV) C. Classifications, EALs, and ERO activation?		
(IV) D. Notification of Federal, State and local agencies and the public?		
(IV) E. ERFs, equipment, and communications?		
(IV) F. Training, drills and exercises?		
(IV) G. Plans, procedures and surveillance of equipment and supplies?		
(IV) H. Re-entry and Recovery following an accident?		
(V) I. Implementing Procedures?		
(VI) J. Emergency Response Data Systems?		

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Determination per 10 CFR 50.54(q)		
If any of the above are "yes" evaluate the proposed change in accordance with the detailed information in the sections of NUREG-0654, FEMA REP-1, Rev. 1		

Considering the detailed information in the sections of NUREG-0654, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants" that correspond to the standards of 10 CFR 50.47(b) and the requirements of 10 CFR 50, Appendix E, this change in the Emergency Plan:

DOES _____ DOES NOT _____ decrease the effectiveness of the Cook Nuclear Plant Emergency Plan.

JUSTIFICATION

Originator: _____ Date: _____

Emergency Planning Manager: _____ Date: _____

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PMP-2081-EPP-207	BARRING OF THE PABX	2 08/07/1992	
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PMP-2081-EPP-214	ENVIRONMENTAL SAMPLING	1 07/01/1996	
PMP-2081-EPP-301	ACTIVATION AND OPERATION OF THE EMERGENCY OPERATIONS FACILITY	5 06/30/1998	
PMP-2081-EPP-302	EOF COMMUNICATIONS	7 06/30/1998	
PMP-2081-EPP-303	OFF-SITE RADIOLOGICAL ASSESSMENT	4 06/30/1998	
PMP-2081-EPP-304	OFF-SITE DOSE PROJECTION	7 06/30/1998	
PMP-2081-EPP-305	PROTECTIVE ACTION RECOMMENDATIONS	5 06/30/1998	
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Docket: 05000316

16753N

16753N

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Training Cart 2, S. Gleffe	11	1C	
Training Cart 3, S. Freeman	11	1C	
Training Cart 4, S. Stiger	11	1C	
Training Cart 5, M. Juengling	11	1C	
Training Cart 6, D. Terry	11	1C	
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Document	Revision	Status	Title
PMP-2080-EPP-106	015	Superceded	INITIAL OFFSITE NOTIFICATION Comments: SUPERCEDED BY PMP-2080-EPP-107 REV. 15

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Information.	PMP-2010.PRC.002	Rev. 7	Page 53 of 81
Procedure Correction, Change, and Review			
Data Sheet 1	Review and Approval Tracking Form		Page: 53

Procedure Information:			
Number: <u>PMP 2080.EPP.106</u>		Rev. <u>14a</u>	Change: <u>C1</u>
Title: <u>INITIAL OFFSITE NOTIFICATION</u>			
Category (Select One Only):			
<input type="checkbox"/> Correction (Full Procedure)		<input type="checkbox"/> Change (Full Procedure) with Review of Change Only	
<input checked="" 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): _____			
Required Reviews:			
Cross-Discipline Reviews:		Programmatic Reviews:	
<input type="checkbox"/> Chemistry	<input type="checkbox"/> Training	<input type="checkbox"/> ALARA	<input type="checkbox"/> Performance Assurance
<input type="checkbox"/> Maintenance	<input type="checkbox"/> Work Control	<input type="checkbox"/> Bus. Services Proc Grp	<input type="checkbox"/> Reactivity Mgmt Team
<input type="checkbox"/> NDM	<input type="checkbox"/> _____	<input type="checkbox"/> Component Engineering	<input type="checkbox"/> Surveillance Section
<input type="checkbox"/> Operations	<input type="checkbox"/> _____	<input checked="" type="checkbox"/> Design Engineering	<input type="checkbox"/> System Engineering
<input type="checkbox"/> PA/PV	<input type="checkbox"/> _____	<input type="checkbox"/> Emerg Oper Proc Grp	<input type="checkbox"/> _____
<input type="checkbox"/> Reg Affairs	<input type="checkbox"/> _____	<input type="checkbox"/> Environmental	<input type="checkbox"/> _____
<input type="checkbox"/> RP	<input checked="" type="checkbox"/> None Required	<input checked="" type="checkbox"/> ISI/IST Coordinator	<input checked="" type="checkbox"/> None Required
<input type="checkbox"/> Cognizant Org Review: <u>N/A</u>		Date: <u>1/1/</u>	
<input checked="" type="checkbox"/> Technical Review: <u>[Signature]</u>		Date: <u>8/21/00</u>	
Concurrence:			
<input type="checkbox"/> Ops Mgr Concurrence: <u>N/A</u>		Date: <u>1/1/</u>	
<input type="checkbox"/> Owner Concurrence: <u>N/A</u>		Date: <u>1/1/</u>	
Package Check:			
Updated Revision Summary attached?		<input checked="" type="checkbox"/> Yes	
Safety Screening complete? SS/SE Tracking No.: _____		<input type="checkbox"/> Yes <input type="checkbox"/> Exempt <input checked="" type="checkbox"/> N/A	
Implementation Plan developed? (Ref. Step 3.4.16)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	
Package Complete: <u>BK Malley</u>		Date: <u>8/28/00</u>	
Approvals:			
PORC Review Required:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Administrative Hold Status:		<input type="checkbox"/> Released <input type="checkbox"/> Reissued <input checked="" type="checkbox"/> N/A	
Approval Authority Review/Approval: <u>[Signature]</u>		Mtg. No.: <u>N/A</u>	
Expiration Date/Ending Activity <u>N/A</u>		CR No.: <u>N/A</u>	
Effective Date: <u>8/28/00</u>		Date: <u>8/28/00</u>	
Periodic Review:			
Periodic Review conducted?		(Data Sheet 5 Complete) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

AUG 31 2000

NUCLEAR DOCUMENT
MANAGEMENT SECTION

1012

Revision Summary
PMP 2080 EPP.106 Revision 14a, C1, Initial Offsite Notification

The overall objective of this procedure change is to incorporate changes in the organization that affect the Initial Offsite Notification procedure.

Section or Step	Change/Reason for Change
Data Sheet 2	Correction: CC e. pg. 2 Replaced Rob Antonow with Larry Weber as SEC and made related phone number changes. Reason: Organization change. Antonow quit AEP. Weber replaced him.
Data Sheet 3	Correction: CC e. Replaced all Assistant Operations Managers and their phone numbers. Reason: Organization change. All new Assistant Operations Managers
List of Effective pages	Correction: CC k. Added C1 to List of Effective Pages. Reason: Format requirements to document this change.

Information	PMP-2010.PRC.002	Rev. 5	Page 55 of 78
Procedure Correction, Change, and Review			
Data Sheet 1	Review and Approval Tracking Form		Page: 55

Procedure Information:			
Number: <u>PMP 2080 EPP 106</u>		Rev. <u>14a</u> Change: <u>0</u>	
Title: <u>INITIAL OFFSITE NOTIFICATION</u>			
Category:			
<input type="checkbox"/> Change (Full Procedure) with Review of Change Only	<input checked="" type="checkbox"/> Correction (Full Procedure)		
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<input type="checkbox"/> Maintenance	<input type="checkbox"/> Training	<input checked="" type="checkbox"/> None Required	
<input type="checkbox"/> Design Engineering	<input type="checkbox"/> Surveillance Section		
<input type="checkbox"/> Plant Engineering	<input type="checkbox"/> Performance Assurance		
<input type="checkbox"/> Chemistry/RP	<input type="checkbox"/> Business Services Procedure Group		
<input type="checkbox"/> Other: (Includes Technical Reviewer Determined Reviews)			
Writer/Task Reviews:			
Revision Summary attached?		<input checked="" type="checkbox"/> Yes	
Safety Screening complete?	SS/SE Tracking No: _____	<input type="checkbox"/> Yes	<input type="checkbox"/> Exempt <input checked="" type="checkbox"/> N/A
Implementation Plan developed?	(Ref. Step 3.4.17)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
Periodic Review conducted?	(Data Sheet 5 Complete)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Cognizant Org Review:	<u>N/A</u>	Date: <u>1/1/</u>	
Technical Review:	<u>BK Malloy</u>	Date: <u>3/20/00</u>	
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Owner Concurrence:	<u>N/A</u>	Date: <u>1/1/</u>	
Writer Review:	<u>BK Malloy</u>	Date: <u>3/20/00</u>	
Approvals:			
PORC Review Required:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Mtg. No.: _____
Approval Authority Review/Approval:		<u>[Signature]</u>	Date: <u>3/21/00</u>
		Effective Date:	<u>3/22/00</u>

LIST OF EFFECTIVE PAGESLEVEL OF USE:
REFERENCEPAGE NUMBERREVISION NUMBER/EFFECTIVE CHANGE SHEETS

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Revision 14a

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Revision 14a

EXHIBIT A:**ACCIDENT INFORMATION REPORTING DATA SHEET**

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Revision 14a

EXHIBIT B:**SHIFT MANAGER INITIAL OFF-SITE NOTIFICATION LIST**

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Revision 14a

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Revision 14a C1

|C1

EXHIBIT C:**SEC EMERGENCY CALL-OUT LIST**

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Revision 14a C1

|C1

EXHIBIT D:**PLANT STATUS**

Page 1 of 1

Revision 14a



AMERICAN ELECTRIC POWER
DONALD C. COOK NUCLEAR PLANT

INITIAL OFFSITE NOTIFICATION

1.0 OBJECTIVE

This procedure provides guidance to the Shift Manager (SM) acting initially as the Site Emergency Coordinator (SEC) regarding initial information supplies to offsite support groups. This information is to be supplied upon declaration of an Unusual Event, Alert, Site Area Emergency, or General Emergency.

2.0 REFERNECE

- 2.1 NUREG 0654/FEMA-REP-1, Planning Standard E. Notification Methods and Procedures.
- 2.2 Donald C. Cook Emergency Plan, Section 12.3.6, Notification Methods and Procedures.
- 2.3 Letter from F. Lieutenant J. M. Tyler, Michigan State Police to T. G. Harshbarger, Subject: Emergency Notification Procedures, Dated July 8, 1985.
- 2.4 10 CFR 50.72(a), Immediate Notification Requirements for Operating Nuclear Power Reactors.
- 2.5 IN 87-58, NRC Information Notice 87-58, Continuing Communication Following Emergency Notification.
- 2.6 PMI 7030, Corrective Action.
- 2.7 PMP 2080 EPP.107, "Notification of Plant Personnel".
- 2.8 Emergency Response Organization (ERP) Phone Directory.
- 2.9 D. C. Cook Commitment Management System, Commitments No. 7 & 9.

3.0 DETAILED PROCEDURE

3.1 Responsibilities

- 3.1.1 The SEC is responsible for ensuring the implementation of this procedure in the event of an emergency declaration.
- 3.1.2 The Shift Manager (SM) or his designee acting initially as the SEC is responsible for completing the notifications specified on Data Sheet 2, Exhibits B, Shift Manager Initial Offsite Notification List and Data Sheet 2, Exhibit C, SEC Emergency Call-Out List of this procedure.

3.2 Limitations

3.2.1 Initial notifications to the Berrien County Sheriff's Department and the Michigan State Police (MSP) shall be made within 15 minutes upon declaration of an Unusual Event, Alert, Site Area Emergency, or General Emergency.

- a. Data Sheet 4, Exhibit D, Plant Status, shall be used to provide initial plant status information to the NRC.

3.2.2 Notification of the NRC and appropriate AEP personnel shall be made after the MSP and Berrien County Sheriff's Department have been notified. In all cases, the NRC shall be notified within one hour of the emergency declaration.

3.3 Prerequisites

3.3.1 The Plant must be at a declared emergency classification (i.e., Unusual Event, Alert, Site Area Emergency, or General Emergency) before this procedure can be implemented.

3.4 Actions of the Shift Manager or his Designee

CAUTION

Utilizing Attachment No. 1 to PMP 7030.001.001, The Shift Manager or his designee shall notify the NRC immediately after notification of the Berrien County Sheriff's Department and the Michigan State Police and not later than one hour after the time the plant declares one of the emergency classes.

NOTE

After Data Sheet 2, Exhibit B, Shift Manager Initial Offsite Notification List, notifications have been made, Step 3.4 will have to be repeated if the emergency escalates to a higher emergency classification.

3.4.1 Upon declaration of an Unusual Event, Alert, Site Area Emergency or General Emergency the Shift Manager or designee shall provide all immediately available information from Data Sheet 1, EXHIBIT A, ACCIDENT INFORMATION REPORTING DATA SHEET, to those listed on Data Sheet 2, EXHIBIT B, Shift Manager INITIAL OFFSITE NOTIFICATION LIST. Record the time the individual was contacted and your initials in the spaces provided on EXHIBIT B. (D. C. Cook Commitment Management System, Commitments No. 7 & 9.)

3.4.2 The SM or his designee shall provide the information on Data Sheet 4, Exhibit D, Plant Status, to the NRC.

3.4.3 Contact the Shift Security Supervisor via plant extension 1130, 1133, 1135, 2205 or the plant paging system. Record the time in the space provided in Data Sheet 3, Item 1 of Exhibit C, SEC Emergency Call-Out List. Inform the Shift Security Supervisor of the following:

- a. Time of emergency declaration and emergency classification.
- b. The Shift Security Supervisor is to assume the responsibilities of the Security Director.
- c. For off hours or if more ERO members are needed, instruct the Shift Security Supervisor to implement PMP 2080 EPP.107, "Notification of Plant Personnel: in conjunction with Sections 1 through 4 of the ERO Phone Directory.

3.4.4 The Shift Manager or his designee shall provide periodic verbal updates to the Berrien County Sheriff's Department and NRC in the event of an Alert, Site Area Emergency or a General Emergency using Nuclear Plant Accident Notification Form, PMP 2081 EPP.301, Exhibit E, data until they are relieved of this function by the Emergency Operations Facility (EOF). These forms are found in the Control Room emergency kit.

3.4.5 In the event of an Alert, Site Area Emergency or a General Emergency, the Shift Manager or his designee shall FAX completed copies of the Nuclear Plant Accident Notification form every 15 minutes to MSP Operations at 8-1-517-336-6257 until they are relieved of this function by the EOF.

3.4.5.1 Initial contact will be made to the MSP Operations by dialing 8-1-517-336-6250, using the MSP phone (extension 1088) located on the desk in the back of the Control Room.

3.4.5.2 Prior to FAXing the Nuclear Plant Accident Notification form to the MSP, inform them that you are transmitting this form. Confirm the receipt of this form and hang up if they have no questions.

3.4.5.3 The Nuclear Plant Accident Notification form shall also be FAXed to the following locations:

State EOC	8-1-517-333-4987
EOF	8-284-2942
ENC	2906 or 2907

3.5 Actions of the Plant Manager

3.5.1 The Plant Manager or his alternate, shall provide the information given to him by the Shift Manager from Data Sheet 1, EXHIBIT A, ACCIDENT INFORMATION REPORTING DATA SHEET, to those individuals listed in Section 5 of the ERO Phone Directory at an Alert or higher declaration.

4.0 FINAL CONDITIONS

4.1 All Data Sheets and completed Nuclear Plant Accident Notification forms should be completed and routed to the Emergency Planning Coordinator upon event close-out.

ACCIDENT INFORMATION REPORTING DATA SHEET

D. C. Cook Unit: _____ Date: _____ Time Classified: _____

Classification: _____

Description of Event: _____

Release Involved: Yes No Estimated Duration (Time): _____

Release Rate: _____ Ci/sec Noble Gas Height: Ground Level _____

Wind Speed (mph): _____ Wind Direction (From): _____

ΔT : _____ °C Pasquill Category: _____ Precipitation: _____

Site Boundary Dose Rate: _____ Projected: _____ Measured: _____

Projected Total Effective Dose Equivalent (TEDE) Dose Rate at the Site Boundary is: _____

Injured Personnel: _____ Radioactively Contaminated: _____

Recommended Offsite Emergency Protective Actions: _____

Prognosis For Termination Or Worsening: _____

Prepared By: _____ SS/SEC: _____ Date: _____

SEND COMPLETED FORM TO THE EMERGENCY PLANNING COORDINATOR



SHIFT MANAGER INITIAL OFFSITE NOTIFICATION LIST

EVENT CLASSIFICATION	TIME/DATE DECLARED	TIME/DATE CLOSED OUT
Unusual Event	____/____/____	____/____/____
Alert	____/____/____	____/____/____
Site Area Emergency	____/____/____	____/____/____
General Emergency	____/____/____	____/____/____

AGENCY NOTIFIED	PHONE NUMBER	CONTACT ESTABLISHED INITIALS / TIME	EVENT CLOSEOUT INITIALS / DATE
Berrien County Sheriff's Department	8-1-616-983-3911	____/____	____/____
REQUEST CALL BACK VERIFICATION	BCSD Person Contacted: _____ Time Call Back Received: _____		
Michigan State Police	8-1-517-336-6250	____/____	____/____
REQUEST CALL BACK VERIFICATION	MSP Person Contacted: _____ Time Call Back Received: _____		
NRC Operations Center	8-1-301-816-5100	Red Phone or Commercial	
Continuous contact will be required for an ALERT, STIE AREA EMERGENCY, OR GENERAL EMERGENCY	8-1-301-951-0550	____/____	____/____
	8-1-301-415-0553	____/____	____/____
	NRC Person Contacted: _____		

CALL THE FOLLOWING IN THE ORDER LISTED UNTIL ONE IS CONTACTED

NOTE

The SM should confirm with the person contacted that they will complete the contacts in Section # 5 of the ERO Phone Directory and report to the Control Room to assume Site Emergency Coordinator responsibilities at an Alert or higher declaration.

Jim Molden	Home 9-1-616-465-9254 Office 2428 Pager 9-1-888-977-1813	<u> / </u>	<u> / </u>
Don Crouch	Home 9-1-616-449-5899 Office 2535 Pager 9-1-616-428-3629	<u> / </u>	<u> / </u>
Larry Weber	Home 9-1-616-556-0267 Office 2443 Pager 9-1-616-428-3895	<u> / </u>	<u> / </u>
Call the Plant Manager			
Plant Manager: Joe Pollock	Home: 9-1-616-465-9230 Office: 2424 Pager: 9-1-616-807-1214		

C1

SEND COMPLETED FORMS TO THE EMERGENCY PLANNING COORDINATOR

SEC EMERGENCY CALL-OUT LIST

Date: _____

	TELEPHONE NUMBER	TIME CONTACTED
1. Shift Security Supervisor	X 1135	_____
2. Contact one of the following Operations Manager/Assistant Operations Manager:		
a. Larry Weber	9-1-616-556-0267	_____
b. Sam Partin	9-1-616-429-2656	_____
c. Jack Giessner	9-1-616-429-8649	_____
d. Donald Moul	9-1-616-556-1793	_____
e. Rodney Foster	9-1-616-429-7123	_____

At an Alert or higher declaration:

3. Report to the Control Room at this time.

cl

Time: _____ PLANT STATUS

Data Sheet 4
Exhibit D *Box*
3-31-00

Reactivity Control

- | | | | |
|---------------------------------|-----|----|------------|
| • All Control rods inserted? | Yes | No | _____ rods |
| • Reactor Subcritical? | Yes | No | |
| • Emergency Boration initiated? | Yes | No | |
| • Adequate Shutdown Margin? | Yes | No | |

RCS inventory Control

- Inventory makeup controlled by: (Identify all pumps injecting into RCS):

CVCS – Normal Charging
Charging Pumps via Bit (High Head SI)
Safety injection pumps (Intermediate Head SI)
RHR Pumps (Low Head SI)
Other: _____

RCS Pressure Control

- | | | |
|--------------------------------|-----|----|
| • Pressurizer PORVs Closed? | Yes | No |
| • Pressurizer Safeties Closed? | Yes | No |

RCS Transport Control

Forced Circulation by RCP
Natural Circulation
Feed and Bleed
Decay Heat Removal System (RHR)

RCS Heat Sink (available or in operation)

S/G – Condenser Dump Valves
S/G – Atmospheric Dump Valves
S/G – Safety Valves

Containment – Feed/Bleed
Decay Heat Removal System (RHR)

S/G Inventory Control

Main Feedwater
Aux. Feedwater
Other: _____

Containment Control

- | | | |
|---|-----|----|
| • Ice Condenser Doors OPEN? | Yes | No |
| • Containment Sprays ON? | Yes | No |
| • Hydrogen Recombiners/Igniters ON? | Yes | No |
| • Containment Isolation Valves fail to CLOSE? | Yes | No |
| • Phase A Actuation | Yes | No |

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NDM: Master Copy	1*	1U	
NGH: EDCC	22*	1C	
NGH: EOF (via EDCC)	22*	3C	
NRC: On Site	4A	1C	
NRC: Region III		2C	
NRC: Washington		2C	
Operations Library	5B*	1C	
OSA	1*	1C	
Reg Affairs Library	4A	1C	
S.S. Office	29*	1C	
Simulator	11	2C	
Site Protective Services	8B	2C	
State of Michigan		1C	
Training Cart 1, T. Ott	11	1C	
Training Cart 2, S. Gleffe	11	1C	
Training Cart 3, S. Freeman	11	1C	
Training Cart 4, S. Stiger	11	1C	
Training Cart 5, M. Juengling	11	1C	
Training Cart 6, D. Terry	11	1C	
Training Library	11	1C	
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Unit 1 Control Room	29*	2C	
Unit 2 Control Room	29*	2C	
Visitor Center	25	1C	

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PMP-2080-EPP-105	005	Superceded	GENERAL EMERGENCY Comments: SUPERCEDED BY PMP-2080-EPP-100 REV. 0

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Title: <u>General Emergency</u>			
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<input checked="" type="checkbox"/> Correction (Page Substitution)		<input type="checkbox"/> Change (Page Substitution) with Review of Change Only	
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<input type="checkbox"/> Superseded (list superseding procedures): _____			
Required Reviews:			
Cross-Discipline Reviews:		Programmatic Reviews:	
<input type="checkbox"/> Chemistry	<input type="checkbox"/> Training	<input type="checkbox"/> ALARA	<input type="checkbox"/> Performance Assurance
<input type="checkbox"/> Maintenance	<input type="checkbox"/> Work Control	<input type="checkbox"/> Bus. Services Proc Grp	<input type="checkbox"/> Reactivity Mgmt Team
<input type="checkbox"/> NDM	<input type="checkbox"/> _____	<input type="checkbox"/> Component Engineering	<input type="checkbox"/> Surveillance Section
<input type="checkbox"/> Operations	<input type="checkbox"/> _____	<input type="checkbox"/> Design Engineering	<input type="checkbox"/> System Engineering
<input type="checkbox"/> PA/PV	<input type="checkbox"/> _____	<input type="checkbox"/> Emerg Oper Proc Grp	<input type="checkbox"/> _____
<input type="checkbox"/> Reg Affairs	<input type="checkbox"/> _____	<input type="checkbox"/> Environmental	<input type="checkbox"/> _____
<input type="checkbox"/> RP	<input checked="" type="checkbox"/> None Required	<input type="checkbox"/> ISI/IST Coordinator	<input checked="" type="checkbox"/> None Required
<input type="checkbox"/> Cognizant Org Review: _____		Date: <u>1/19/2001</u>	
<input checked="" type="checkbox"/> Technical Review: <u>John T. Conrad (J.T. Conrad)</u>		Date: <u>1/19/2001</u>	
Concurrence:			
<input type="checkbox"/> Ops Mgr Concurrence: _____		Date: <u>1/19/2001</u>	
<input type="checkbox"/> Owner Concurrence: _____		Date: <u>1/19/2001</u>	
Package Check:			
Updated Revision Summary attached?		<input checked="" type="checkbox"/> Yes	
Safety Screening complete? SS/SE Tracking No.: _____		<input type="checkbox"/> Yes <input type="checkbox"/> Exempt <input checked="" type="checkbox"/> N/A	
Implementation Plan developed? (Ref. Step 3.4.16)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	
Package Complete: <u>BK Malloy</u>		Date: <u>1/19/2001</u>	
Approvals:			
PORC Review/Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Mtg. No.: _____	
Administrative Hold Status: <input type="checkbox"/> Released <input type="checkbox"/> Reissued <input checked="" type="checkbox"/> N/A		CR No.: _____	
Approval Authority Review/Approval: <u>J. Marden</u>		Date: <u>1/22/01</u>	
Expiration Date/Ending Activity: _____		Effective Date: <u>1/24/01</u>	
Periodic Review:			
Periodic Review conducted? (Data Sheet 5 Complete)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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CONTROLLED DOCUMENT	Page <u>1</u> of <u>2</u>		

REVISION SUMMARY

Number: PMP 2080 EPP.105

Revision: 04

Change: 1

Title: General Emergency

Section or Step	Change/Reason For Change
Exhibit A, Step 1.3.2	<p>Correction: Delete 'plant' and 'to the basement of the Lakeside Office Building' from the announcement.</p> <p>Criteria: m</p> <p>Reason: The Lakeside Office Building is not the only accountability location. Accountability will have to be performed at any accessible accountability location. 'Plant' is being deleted because personnel other than plant personnel may be inside the protected area. This is a correction because the accountability locations are correctly described in PMP 2081 EPP.103, Assembly, Accountability and Evacuation of Plant Personnel.</p>
	<p>Change:</p> <p>Reason:</p>
	<p>Change:</p> <p>Reason:</p>
	<p>Change:</p> <p>Reason:</p>

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AEP

AMERICAN
ELECTRIC
POWER

DONALD C. COOK NUCLEAR PLANT
PLANT MANAGER PROCEDURE COVER SHEET
PROCEDURE USAGE LEVEL

☐ CONTINUOUS ☒ REFERENCE ☐ INFORMATION
 (✓check one)

Procedure No. PMP 2080 EPP.105

Revision No. 4

TITLE
GENERAL EMERGENCY

SCOPE OF REVISION

- Replaced Core Melt Sequence PAR Flowchart with a simplified version based on guidance in NUREG/BR-0150 (RTM-96)
- Procedure modified for use by the SEC in either Control Room or TSC
- Revised Dose Projection PAR Flowchart
- Incorporated new evacuation "Areas" into PAR determination process
- Revised procedure steps to simplify PAR determination process
- Changed wording in Step 3.2.1 to emphasize that the SEC only has to approve PAR
- Changed instructions for accessing the Training Building & Buchanan Office Building PA Systems. Both can be accessed simultaneously using one number

	PRINTED NAME	SIGNATURE
PREPARED BY	Dan Mihalik	<i>Dan Mihalik</i>
PLANT PERFORMANCE ASSURANCE SUPERINTENDENT	THOMAS J. CRAVAN	<i>Thomas J. Cravan</i>
PLANT NUCLEAR SAFETY COMMITTEE	#3305 6-18-98	<i>YRB Depuydt</i>
PLANT MANAGER APPROVAL	D.E. Cooper	<i>[Signature]</i>
APPROVAL DATE	6/23/98	
EFFECTIVE DATE	6/30/98	

LIST OF EFFECTIVE PAGES

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REVISION NUMBER/EFFECTIVE CHANGE SHEETS

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EXHIBIT A

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EXHIBIT B

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Revision 4

EXHIBIT C

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Revision 4

EXHIBIT D

Page 1 of 1

Revision 4

AMERICAN ELECTRIC POWER
DONALD C. COOK NUCLEAR PLANT

GENERAL EMERGENCY

1.0 OBJECTIVES

- 1.1 This procedure provides instructions to the Site Emergency Coordinator (SEC), for implementing a response to a General Emergency.

2.0 REFERENCE

- 2.1 D. C. Cook Nuclear Plant Emergency Plan.
2.2 Michigan Emergency Preparedness Plan dated 02-01-91.
2.3 Emergency Response Data System (ERDS) Operator Guide.

3.0 DETAILED PROCEDURE

3.1 Responsibilities

- 3.1.1 The Operations Shift Supervisor, acting as the SEC, is responsible for implementing this procedure until he has been relieved of SEC responsibilities.

3.2 Limitations

- 3.2.1 The following actions shall not be delegated by the SEC:

- A Classification of the emergency.
- B Directing the notification of offsite officials.
- C Approval of protective action recommendations (PARs) to offsite emergency management agencies.

- 3.2.2 Declaration of a General Emergency requires the notification of the County and State within 15 minutes. Notification of the NRC shall follow county and state notification and in all cases be completed within one hour.

- 3.2.3 Declaration of a General Emergency requires that a PAR be made to the State. The PAR should be made immediately after the notification of a General Emergency (i.e. during the same phone call).

- 3.2.4 The ERDS for the affected Unit is to be operational and transmitting data to the NRC within one hour of an ALERT or higher declaration.

3.3 Prerequisites

3.3.1 A General Emergency has been declared in accordance with PMP 2080 EPP.101, "Emergency Classification".

3.4 Inform Unit 1 and Unit 2 Control Room personnel that a General Emergency has been declared and that you have assumed the position of SEC.

3.5 When an evacuation is ordered, direct the Shift Supervisor (X-1135) to perform accountability as per their procedure.

3.6 In the event a gaseous release of radioactive material is occurring, initiate the use of the Dose Assessment Program (DAP), to determine the magnitude of offsite dose levels. The following procedures should be used as appropriate:

- PMP 2080 EPP.108, "Initial Dose Assessment" (for use in the Control Room)
- PMP 2081 EPP.304, "Offsite Dose Projection" (for use in the EOF)

3.7 Direct the Implementation of EXHIBIT A for initial notifications.

3.8 Direct the development of a protective action recommendation using the following steps:

3.8.1 Obtain the following data:

- Wind direction
and
- Offsite dose projection (if available) as calculated using DAP or actual offsite dose rate measurements.

3.8.2 Using Exhibit B, determine the appropriate PAR.

NOTE

If a deviation from the protective action specified on the flow-chart is indicated by any of the considerations on Exhibit D, that information should be passed on to the appropriate offsite agency responsible for issuing Protective Action Orders.

3.8.3 Obtain a Nuclear Plant Accident Notification form from the Emergency Kit in the Control Room (these forms are on three page, self coping paper), or from the DAP printout.

3.8.4 Complete the Nuclear Accident Notification form and inform the State of the recommendation as soon as possible.

3.8.5 Repeat Steps 3.8.1 through 3.8.4 every 15 minutes or as requested.

- 3.9 Perform mitigating actions in accordance with appropriate plant procedures.
- 3.10 If accountability results identify a missing person(s), direct someone to perform the following:
- 3.10.1 Attempt to obtain a verbal response from the missing person by making the following announcement:
- "ATTENTION _____"
(Name of missing person)
- "ATTENTION _____"
(Name of missing person)
- "Call _____ IMMEDIATELY".
(Your phone number)
- 3.10.2 If the missing person responds to the page, inform him/her to report to the Operations Staging Area. Discontinue search activities.
- 3.10.3 If the missing person does not respond to the page within two to three minutes, contact the Shift Security Supervisor at extension 1135. Request that the last known location of the person be accessed from the security computer.
- 3.10.4 Contact the missing person's immediate supervisor if known. Ask the supervisor for the last known location of the missing person.
- 3.10.5 Direct the organization of a search team to locate the missing person(s). The team shall be composed of at least two people. If manpower is available, one member of the team should be a Radiation Protection Technician.
- NOTE**

Caution should be exercised when entering plant areas during an emergency. Previously unidentified Radiological conditions may exist.
- 3.10.6 Conduct a search for the missing person(s) starting at the last known location of the person(s).
- 3.10.7 Continue search operations until the missing person(s) are accounted for.
- 3.11 If the Plant Process Computer (PPC) is inoperable, designate someone to complete EXHIBIT A of PMP-2080 EPP.103, "ALERT", every 15 minutes. Continue this activity for the duration of the emergency or until the PPC is operational.

3.12 Upon arrival of the oncoming SEC conduct a turnover as follows:

3.12.1 Obtain a copy of Attachment No. 1, "Emergency Turnover Checklist" to PMP 2080 EPP.103, "Alert".

3.12.2 The oncoming SEC shall complete the checklist as each item is verbally addressed.

NOTE

Steps 3.13 to 3.15 apply only if the Shift Supervisor has not been relieved of the SEC duties.

3.13 Inform the Technical Support Center (TSC) of changes in plant conditions and equipment status.

3.14 Inform the TSC of mitigating actions to be taken or completed.

3.15 If additional personnel are required, request assistance from the TSC. The following emergency response teams are available:

- Radiation Monitoring Teams.
- Post Accident Sampling Teams
- Damage Control Teams
- Re-Entry & Rescue Teams

4.0 FINAL CONDITIONS

4.1 The General Emergency has been terminated.

4.2 Assemble all documentation associated with the emergency and forward it to the Emergency Planning Coordinator. This documentation should include:

- Completed notification forms
- Copies of pertinent log entries
- Copy of the Condition Report if generated
- Other documentation deemed appropriate by the Shift Supervisor.

INITIAL NOTIFICATION

- 1.1 Implement or direct the implementation of PMP 2080 EPP.106, "Initial Offsite Notification".

NOTE

If an Alert or Site Area Emergency has been declared prior to the General Emergency, and notification of plant personnel is in progress or has been completed. Step 1.2 need not be completed.

- 1.2 If the General Emergency occurs between the hours of 1530 (3:30 pm) and 0700 (7:00 am) Monday through Friday, or anytime Saturday or Sunday or on a holiday, implement PMP 2080 EPP.107, "Notification of Plant Personnel".

NOTE

If the Nuclear Emergency alarm has been sounded previously, Step 1.3.1 need not be complete.

NOTE

The TSC, EOF, and OSA are required to be activated at an Alert classification or higher.

The last sentence of the announcement need not be included if a site evacuation and accountability had been implemented previously.

- 1.3 Direct a Control Room operator to perform the following steps:

- 1.3.1 Sound the Nuclear Emergency Alarm.

- 1.3.2 Make the following announcement over the Public Address (PA) system including a brief description of the incident. Have the announcement broadcast twice.

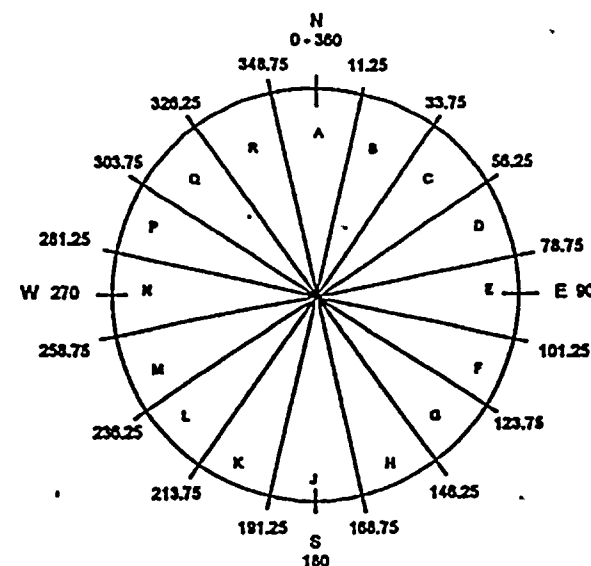
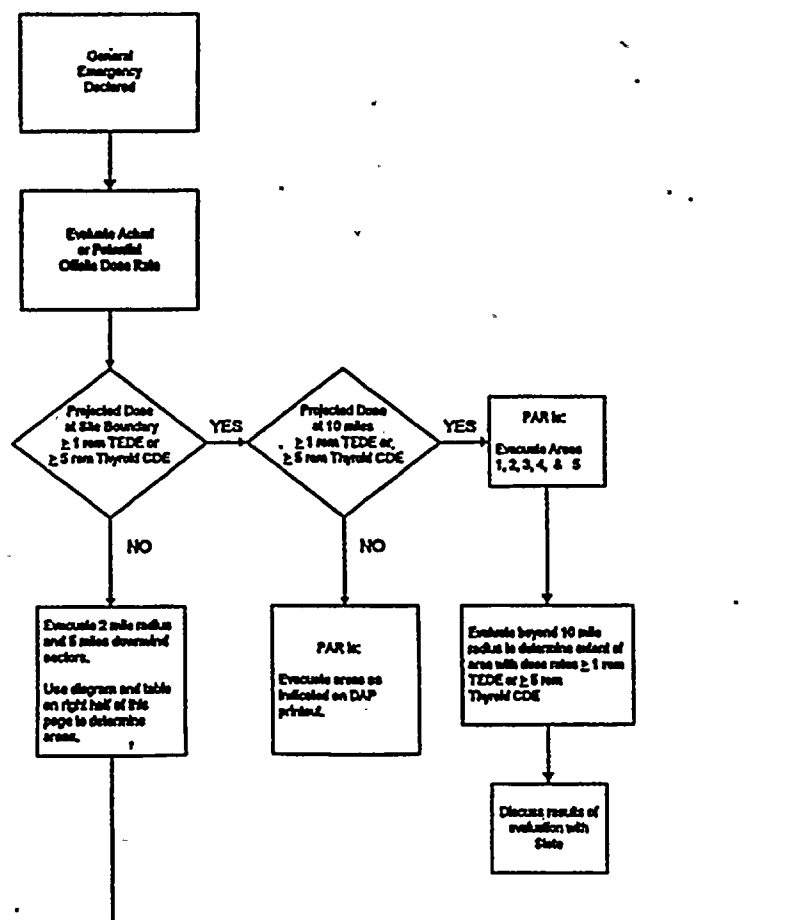
"Attention all Personnel. Attention all Personnel. A General Emergency has been declared due to (Brief description). Activate the Technical Support Center, Operations Staging Area, and the Emergency Operations Facility. All other Personnel report for accountability."

C1

- 1.4 On any touch-tone telephone, dial 1646, wait for the tone and press # # to access the Training Center and Buchanan Office Building PA and repeat the above announcement twice again.
- 1.5 Notify the Shift Security Supervisor of the General Emergency Declaration on Plant Extension 1135 or via the page.
- 1.6 Notify the SEC that all notifications required by this attachment have been completed.



PAR FLOWCHART



Determine affected areas as follows:

- Direction wind is blowing from (in Degrees) _____
- Using diagram above, locate sector opposite direction identified in A _____
- Downwind sectors (sectors identified in B plus 2 adjacent sectors) _____
- Convert downwind sectors to areas using the table below.
- PAR I: Evacuate areas _____ (from D)

If the PAR includes these sectors:	These are the affected areas:
A, B, & C to 5 miles	1 and 2
B, C, & D to 5 miles	1, 2, and 3
C, D, & E to 5 miles	1, 2, and 3
D, E, & F to 5 miles	1, 2, and 3
E, F, & G to 5 miles	1, 2, and 3
F, G, & H to 5 miles	1 and 3
G, H, & I to 5 miles	1 and 3
H, I, & J to 5 miles	1 and 3
I, J, & K to 5 miles	1 and 3
J, K, & L to 5 miles	1 and 3
K, L, & M to 5 miles	1 and 3
L, M, & N to 5 miles	1
M, N, & P to 5 miles	1
N, P, & Q to 5 miles	1
P, Q, & R to 5 miles	1
Q, R, & A to 5 miles	1
R, A, & B to 5 miles	1 and 2

Special Considerations

Discuss with the State any of the following conditions which should be considered before a Protective Action Order is issued by the State.

1. Adverse weather conditions including forecast of changes in weather.
2. A forecast of changing weather conditions
3. Release characteristics ("puff" vs. "continuous").
4. Location of special populations (institutions).

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Distribution Sheet

50-315
4/6/01
Revised
4/24/01
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A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Docket: 05000315

Docket: 05000316

16751N

16751N

CONTROLLED DOCUMENT TRANSMITTAL

Transmittal#: 16751N

Date: 04/06/2001

Initiator: LINDA MCCLERNAN

Page: 1

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Section/Name	Mail Zone	Copies	Comments
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Installation Serv Library	6A	INDEX 1C	
JPIC	1*	1C	
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MI Dept Environ Quality		1C	
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NDM: Master Copy	1*	1U	
NGH: EDCC	22*	1C	
NGH: EOF (via EDCC)	22*	3C	
NRC: On Site	4A	1C	
NRC: Region III		2C	
NRC: Washington		2C	
Operations Library	5B*	1C	
OSA	1*	1C	
Reg Affairs Library	4A	1C	
S.S. Office	29*	1C	
Simulator	11	2C	
Site Protective Services	8B	2C	
State of Michigan		1C	
Training Cart 1, T. Ott	11	1C	
Training Cart 2, S. Gleffe	11	1C	
Training Cart 3, S. Freeman	11	1C	
Training Cart 4, S. Stiger	11	1C	
Training Cart 5, M. Juengling	11	1C	
Training Cart 6, D. Terry	11	1C	
Training Library	11	1C	
TSC	1*	3C	Include 1C Index Only
Unit 1 Control Room	29*	2C	
Unit 2 Control Room	29*	2C	
Visitor Center	25	1C	

Transmitted Controlled Document Listing: (1)

Document	Revision	Status	Title
PMP-2080-EPP-104	005	Superceded	SITE AREA EMERGENCY Comments: SUPERCEDED BY PMP-2080-EPP-100 REV. 0

Controlled Document Transmittal Receipt and File Acknowledgement:

CONTROLLED DOCUMENTS ONLY

Signature

Date

Please sign and return within 14 calendar days DoC. Cook Nuclear Plant

Nuclear Documents Mgmt (Mail Zone #1) - Document Control

A045



114

REVIEW AND APPROVAL TRACKING FORM

Procedure Information:			
Number: <u>PMP 2080 EPP.104</u>		Revision: <u>04</u>	Change: <u>1</u>
Title: <u>Site Area Emergency</u>			
Category: (Select One Only)			
<input checked="" type="checkbox"/> Correction (Full Procedure) <input type="checkbox"/> Change (Full Procedure) with Review of Change Only <input checked="" 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): _____			
Required Reviews:			
Cross-Discipline Reviews:		Programmatic Reviews:	
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<input type="checkbox"/> Maintenance	<input type="checkbox"/> Work Control	<input type="checkbox"/> Bus. Services Proc Grp	<input type="checkbox"/> Reactivity Mgmt Team
<input type="checkbox"/> NDM	<input type="checkbox"/> _____	<input type="checkbox"/> Component Engineering	<input type="checkbox"/> Surveillance Section
<input type="checkbox"/> Operations	<input type="checkbox"/> _____	<input type="checkbox"/> Design Engineering	<input type="checkbox"/> System Engineering
<input type="checkbox"/> PA/PV	<input type="checkbox"/> _____	<input type="checkbox"/> Emerg Oper Proc Grp	<input type="checkbox"/> _____
<input type="checkbox"/> Reg Affairs	<input type="checkbox"/> _____	<input checked="" type="checkbox"/> Environmental	<input type="checkbox"/> _____
<input type="checkbox"/> RP	<input checked="" type="checkbox"/> None Required	<input type="checkbox"/> ISI/IST Coordinator	<input checked="" type="checkbox"/> None Required
<input type="checkbox"/> Cognizant Org Review: _____		Date: <u>1/19/2001</u>	
<input checked="" type="checkbox"/> Technical Review: <u>J.T. Conrad (J.T. Conrad)</u>		Date: <u>1/19/2001</u>	
Concurrence:			
<input type="checkbox"/> Ops Mgr Concurrence: _____		Date: <u>1/19/2001</u>	
<input type="checkbox"/> Owner Concurrence: _____		Date: <u>1/19/2001</u>	
Package Check:			
Updated Revision Summary attached?		<input checked="" type="checkbox"/> Yes	
Safety Screening complete? SS/SE Tracking No.: _____		<input type="checkbox"/> Yes <input type="checkbox"/> Exempt <input checked="" type="checkbox"/> N/A	
Implementation Plan developed? (Ref. Step 3.4.16)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	
Package Complete: <u>B.K. Molloy</u>		Date: <u>1/19/2001</u>	
Approvals:			
PORC Review Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Mtg. No.: _____	
Administrative Hold Status: <input type="checkbox"/> Released <input type="checkbox"/> Reissued <input checked="" type="checkbox"/> N/A		CR No.: _____	
Approval Authority Review/Approval: <u>J. Molder</u>		Date: <u>1/22/01</u>	
Expiration Date/Ending Activity: _____		Effective Date: <u>1/24/01</u>	
Periodic Review:			
Periodic Review conducted? (Data Sheet 5 Complete)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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	CONTROLLED DOCUMENT	Page <u>1</u> of <u>2</u>	

REVISION SUMMARY

Number: PMP 2080 EPP.104

Revision: 04

Change: 1

Title: Site Area Emergency

Section or Step	Change/Reason For Change
3.4.4.2	<p>Correction: Delete 'plant' and 'to the basement of the Lakeside Office Building' from the announcement.</p> <p>Criteria: m</p> <p>Reason: The Lakeside Office Building is not the only accountability location. Accountability will have to be performed at any accessible accountability location. 'Plant' is being deleted because personnel other than plant personnel may be inside the protected area. This is a correction because the accountability locations are correctly described in PMP 2081 EPP.103, Assembly, Accountability and Evacuation of Plant Personnel.</p>
	<p>Change:</p> <p>Reason:</p>
	<p>Change:</p> <p>Reason:</p>
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DONALD C. COOK NUCLEAR PLANT
PLANT MANAGER PROCEDURE COVER SHEET
PROCEDURE USAGE LEVEL

☐ CONTINUOUS ☒ REFERENCE ☐ INFORMATION

(✓ check one)

Procedure No. **PMP 2080 EPP.104**

Revision No. **4**

TITLE SITE AREA EMERGENCY		
SCOPE OF REVISION <ul style="list-style-type: none"> Editorial changes, consistent use of acronyms Procedure modified for use by the SEC in either Control Room or TSC Changed wording in Step 3.2 to allow the SEC to delegate development of PARs Removed requirement that the TSC and OSA are not activated from "Prerequisites" Changed name of the call-out list to ERO Phone Directory to reflect elimination of PMSO.150 Changed instructions for accessing the Training Building & Buchanan Office Building PA Systems. Both can be accessed simultaneously using one number Margin Markings Used 		
	PRINTED NAME	SIGNATURE
PREPARED BY	Dan Mihalik	<i>DR Mihalik</i>
PLANT PERFORMANCE ASSURANCE SUPERINTENDENT	<i>THOMAS J CRAWEN</i>	<i>Thomas J Crawl</i>
PLANT NUCLEAR SAFETY COMMITTEE	#3306 6-18-98	<i>WMB Depuydt</i>
PLANT MANAGER APPROVAL	<i>D.E. COOPER</i>	<i>[Signature]</i>
APPROVAL DATE	6/23/98	
EFFECTIVE DATE	6/30/98	

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AMERICAN ELECTRIC POWER
DONALD C. COOK NUCLEAR PLANT

SITE AREA EMERGENCY

1.0 OBJECTIVES

- 1.1 This procedure provides instructions to the Site Emergency Coordinator (SEC), for implementing a response to a Site Area Emergency.

2.0 REFERENCE

- 2.1 D. C. Cook Nuclear Plant Emergency Plan.
2.2 Michigan Emergency Preparedness Plan dated 2-1-91.
2.3 Emergency Response Data System (ERDS) Operator Guide.

3.0 DETAILED PROCEDURE

3.1 Responsibilities

- 3.1.1 The Operations Shift Supervisor, acting as the SEC, is responsible for implementing this procedure until he has been relieved of SEC responsibilities.

3.2 Limitations

- 3.2.1 The following actions shall not be delegated by the SEC:

- a) Classification of the emergency.
- b) Directing the notification of offsite officials.
- c) Approval of protective action recommendations to offsite emergency management agencies.

- 3.2.2 Declaration of a Site Area Emergency requires the notification of the County and State within 15 minutes. Notification of the NRC shall follow county and state notification and in all cases be completed within one hour.

- 3.2.3 The ERDS for the affected Unit is to be operational and transmitting data to the NRC within one hour of an ALERT or higher declaration.

3.3 Prerequisites

- 3.3.1 A Site Area Emergency has been declared in accordance with PMP 2080 EPP.101, "Emergency Classification".

3.4 Activation Instructions

- 3.4.1 Inform Unit 1 and Unit 2 Control Room personnel that a Site Area Emergency has been declared and that you have assumed the position of SEC.
- 3.4.2 Direct the implementation of PMP 2080 EPP.106, "Initial Offsite Notification".

NOTE

If an ALERT had been declared prior to the SITE AREA EMERGENCY, and notification of plant personnel is in progress or has been completed, Step 3.4.3 need not be performed.

- 3.4.3 If the Site Area Emergency declaration occurs between the hours of 1530 (3:30 pm) and 0700 (7:00 am) Monday thru Friday, or anytime Saturday or Sunday or on a holiday, implement PMP 2080 EPP.107, "Notification of Plant Personnel" in conjunction with the Emergency Response Organization (ERO) Phone Directory.

NOTE

The TSC, OSA, & EOF are required to be activated at an ALERT classification or higher.

- 3.4.4 Direct someone to perform the following steps:

- 3.4.4.1 Sound the Nuclear Emergency Alarm (from the Control Room).
- 3.4.4.2 Make the following announcement over the Public Address (PA) system including a brief description of the incident. Have the announcement broadcast twice.

"Attention all Personnel. Attention all Personnel. A Site Area Emergency has been declared due to (Brief description). Activate the Technical Support Center, Operations Staging Area, and the Emergency Operations Facility. All other personnel report for accountability."

- 3.4.4.3 On any touch-tone telephone, dial 1646, wait for the tone, press ## to access the Training Center and Buchanan Office Building PA and repeat the above announcement twice again.
- 3.4.4.4 Notify the Shift Security Supervisor of the Site Area Emergency Declaration of Plant extension 1135 or via the page.

C1

- 3.4.5 When an evacuation is ordered, direct the Security Shift Supervisor (X-1135) to perform accountability as per their procedure.

NOTE

The presence of an offsite dose rate may require reclassification of the event in accordance with ECC R-1, Radioactive Effluent Release.

- 3.4.6 In the event a gaseous release of radioactive material is occurring, initiate use of the Dose Assessment Program (DAP), to determine the magnitude of offsite dose levels. The following Emergency Plan Procedures should be used:
- PMP 2080 EPP.108, "Initial Dose Assessment" (for use in the Control Room).
 - PMP 2081 EPP.304, "Offsite Dose Projection" (for use in the EOF).
- 3.4.7 Perform mitigating actions in accordance with appropriate plant procedures.
- 3.4.8 If the Plant Process Computer (PPC) is inoperable, designate someone to complete EXHIBIT A of PMP 2080 EPP.103, "Alert", every 15 minutes. Continue this activity for the duration of the emergency or until the PPC is operable.

NOTE

Step 3.4.9 need only be performed if the TSC and CSA are not activated.

- 3.4.9 If accountability results identify a missing person(s), have Security perform the following:
- 3.4.9.1 Attempt to obtain a verbal response from the missing individual by passing the following announcement:
- "Attention _____
(Name of missing person)
- Attention _____
(Name of missing person)
- Contact the Control Room Immediately".
- 3.4.9.2 If the missing person responds to the page, inform him/her to report to the Basement of the Lakeside Office Building. Discontinue search activities.
- 3.4.9.3 If the missing person does not respond to the page within two to three minutes, contact the Security Director at ext. 1135. Request that the last known location of the individual be accessed from the security computer.

- 3.4.9.4 Contact the missing person's immediate supervisor if known. Ask the supervisor for the last known location of the missing person.
- 3.4.9.5 Direct the organization of a search team to locate the missing person(s). The team shall be composed of at least two people. If manpower is available, one member of the team should be a Radiation Protection Technician.

NOTE

Caution should be exercised when entering plant areas during an emergency. Previously unidentified radiological conditions may exist.

- 3.4.9.6 Conduct a search for the missing person(s) starting at the last known location of the person(s).
- 3.4.9.7 Continue search operations until the person(s) is accounted for.
- 3.4.9.8 If the missing person(s) is found to be injured, implement PMP 2080 EPP.112, "Personnel Injury".
- 3.4.10 Upon arrival of the oncoming SEC conduct a turnover as follows:
 - 3.4.10.1 Obtain a copy of Attachment No. 1, "Emergency Turnover Checklist" to PMP 2080 EPP.103, "Alert".
 - 3.4.10.2 The oncoming SEC shall complete the checklist as each item is verbally addressed.

3.5 Subsequent Instructions for the Shift Supervisor After Being Relieved of SEC Duties

- 3.5.1 Once you have been relieved of SEC responsibilities, resume the sole function of Shift Supervisor. Notify the Control Rooms that you have been relieved of SEC responsibilities.
- 3.5.2 Direct the continued implementation of the appropriate EOP and/or AOP to return the unit to a safe condition.
- 3.5.3 Inform the Technical Support Center (TSC) of changes in plant condition and equipment status.
- 3.5.4 Inform the TSC of mitigating actions to be taken or any that have been completed.
- 3.5.5 If additional personnel are required, request assistance from the TSC. The following emergency response teams are available:
 - Radiation Monitoring Teams
 - Post Accident Sampling Teams
 - Damage Control Teams
 - Re-Entry & Rescue Teams

4.0 Final Condition

- 4.1 The Site Area Emergency has been escalated to a General Emergency, or the emergency has been terminated and the plant has entered the recovery phase.
- 4.2 Assemble all documentation associated with the emergency and forward it to the Emergency Planning Coordinator. This documentation should include:
 - Complete notification forms
 - Copies of pertinent log entries
 - Copy of the Condition Report if generated
 - Other documentation deemed appropriate by the Shift Supervisor

Distri55.txt
Distribution Sheet

50-315
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D.C. Cook, Revision 4 to PMP-2080-EPP-102, "Unusual Event."

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A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Docket: 05000315

Docket: 05000316

16749N

16749N

CONTROLLED DOCUMENT TRANSMITTAL

Transmittal#: 16749N

Date: 04/06/2001

Initiator: LINDA MCCLERNAN

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Section/Name	Mail Zone	Copies	Comments
Emergency Planning Coord	11	3C	
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NRC: On Site	4A	1C	
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S.S. Office	29*	1C	
Simulator	11	2C	
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State of Michigan		1C	
Training Cart 1, T. Ott	11	1C	
Training Cart 2, S. Gleffe	11	1C	
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TSC	1*	3C	Include 1C Index Only
Unit 1 Control Room	29*	2C	
Unit 2 Control Room	29*	2C	
Visitor Center	25	1C	

Transmitted Controlled Document Listing: (1)

Document	Revision	Status	Title
PMP-2080-EPP-102	004	Superceded	UNUSUAL EVENT

Comments: SUPERCEDED BY
PMP-2080-EPP-100 REV. 0

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DONALD C. COOK NUCLEAR PLANT

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PLANT MANAGER PROCEDURE COVER SHEET

PROCEDURE USAGE LEVEL

☐ CONTINUOUS ☒ REFERENCE ☐ INFORMATION

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Procedure No. **PMP 2080 EPP.102**

Revision No. **3**

TITLE

UNUSUAL EVENT

SCOPE OF REVISION

- Editorial changes, consistent use of acronyms
- Changed wording on Step 3.2, to allow SEC to delegate development of PARs
- Changed name of call-out list to ERO Phone Directory to reflect elimination of PMSO.150
- Changed instructions for accessing Training Building & Buchanan Office Building PA System. Both can now be accessed simultaneously using one number.
- Margin Markings Used

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PLANT MANAGER APPROVAL	D.E. COOPER	<i>[Signature]</i>
APPROVAL DATE	6/23/98	
EFFECTIVE DATE	6/30/98	

LIST OF EFFECTED PAGES

PAGE NUMBER

REVISION NUMBER/EFFECTED CHANGE SHEETS

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Revision 3

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Revision 3

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT

UNUSUAL EVENT

1.0 OBJECTIVE

- 1.1 This procedure provides instructions to the Shift Supervisor, acting as the Site Emergency Coordinator (SEC), for implementing a response to an Unusual Event.

2.0 REFERENCES

- 2.1 Cook Nuclear Plant Emergency Plan
2.2 Michigan Emergency Preparedness Plan

3.0 DETAILED PROCEDURE

3.1 Responsibilities

- 3.1.1 The Operations Shift Supervisor acting as the SEC is responsible for implementing this procedure.

3.2 Limitations

- 3.2.1 The following actions shall not be delegated by the SEC:

- a) Classification of the emergency.
- b) Directing the notification of offsite officials.
- c) Approval of protective action recommendations to offsite emergency management agencies.

- 3.2.2 Declaration of an emergency requires the notification of Berrien County Sheriff and Michigan State Police within 15 minutes. Notification of the NRC shall follow county and state notification and in all cases be completed within one hour.

3.3 Prerequisites

- 3.3.1 An Unusual Event has been declared in accordance with PMP 2080 EPP.101, "Emergency Classification".

3.4 Activation Instructions

- 3.4.1 Inform Unit 1 and Unit 2 Control Room personnel that an Unusual Event has been declared and that you have assumed the position of SEC.

- 3.4.2 Direct Control Room operator to implement PMP 2080 EPP.106, "Initial Offsite Notification".
- 3.4.3 Direct a Control Room operator to make the following announcement over the Public Address (PA) system including a brief description of the incident. Have the announcement broadcast twice.

"Attention all Personnel. Attention all Personnel. An Unusual Event has been declared due to (brief Description). Continue with your work and be prepared for future announcements."

- a) On any touch-tone telephone, dial 1646, wait for the tone and press # # t access the Training Center and the Buchanan Office Building PA and repeat the above announcement twice again.
 - b) Notify the Shift Security Supervisor of the Unusual Event declaration on plant extension 1135 or via the page system.
- 3.4.4 Should a hazard to plant personnel exist (e.g. fire, radiological, or toxic gas) perform one of the following steps:
 - a) If the condition is local, evacuate the area by page announcement.
 - b) If the condition impacts significant portions of the plant, perform evacuation by implementing Step 3.4.5 of PMP 2080 EPP.104, "Site Area Emergency".

NOTE

The presence of an offsite dose rate may require reclassification of the event in accordance with ECC R-1, Radioactive Effluent Release.

- 3.4.5 In the event a gaseous release of radioactive material is occurring, implement PMP 2080 EPP.108, "Initial Dose Assessment", to determine the magnitude of offsite dose levels.
- 3.4.6 Perform mitigating actions in accordance with the appropriate plant procedures

- 3.4.7 If additional personnel are required to support emergency response during normal work hours, direct a Control Room operator to make the following announcement over the PA system. Have the announcement broadcast twice
- "Attention all Operations Staging Area and Technical Support Center personnel. Attention all Operations Staging Area and Technical Support Center personnel. The Unusual Event is still in effect however report to and activate the Operations Staging Area and the Technical Support Center. All other plant personnel be prepared for future announcements."**
- a) On any touch-tone phone, dial 1646, wait for the tone and press # # to access the Training Center and Buchanan Office Building PA and repeat the above announcement twice again.
- 3.4.8 If additional personnel are required to support the emergency response during non-working hours, activate the Technical Support Center and Operations Staging Area by implementing PMP 2080 EPP.107, "Notification of Plant Personnel" in conjunction with the Emergency Response Organization (ERO) Phone Directory.
- 3.4.9 Confer with the Assistant Shift Supervisor, Unit Supervisor and STA to determine current emergency status. Depending upon this determination perform one of the following:
- a) Remain in an Unusual Event. Continue to take the appropriate mitigating actions required to stabilize the condition.
- b) If status has worsened; review appropriate Emergency Condition Categories (ECC) of PMP 2080 EPP.101, "Emergency Classification". Escalate to a higher emergency classification if warranted.
- c) If status has improved; close-out the Unusual Event when the conditions specified in the Emergency Condition Categories of PMP 2080 EPP.101 no longer exist.

3.4.10 Upon event close-out, perform the following:

- a) Complete the close-out notifications by implementing PMP 2080 EPP.106 "Initial Offsite Notification".
- b) Direct a Control Room operator to make the following announcement over the PA system:

"Attention all Personnel. Attention all Personnel. The Unusual Event has been terminated. I repeat; the Unusual Event has been terminated."

- 1) On any touch-tone telephone, dial 1646, wait for the tone and pre # # to access the Training Center and Buchanan Office Building PA system and repeat the above message twice again.
- 2) Notify the Shift Security Supervisor of the Unusual Event termination on plant extension 1135 or via the plant page system.

4.0 FINAL CONDITIONS

- 4.1 The Unusual Event has been terminated and step 3.4.10 has been completed.
- 4.2 The Unusual Event has been escalated to a more severe emergency classification.
- 4.3 Assemble all documentation associated with the emergency and forward it to the Emergency Planning Coordinator. This documentation should include:
 - Completed notification forms
 - Copies of pertinent log entries
 - Copy of the condition report if generated
 - Other documentation deemed appropriate by the Shift Supervisor.

Distri57.txt
Distribution Sheet

50-315
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A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Docket: 05000315

Docket: 05000316

16750N

16750N

CONTROLLED DOCUMENT TRANSMITTAL

Transmittal#: 16750N

Date: 04/06/2001

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Site Protective Services	8B	2C	
State of Michigan		1C	
Training Cart 1, T. Ott	11	1C	
Training Cart 2, S. Gleffe	11	1C	
Training Cart 3, S. Freeman	11	1C	
Training Cart 4, S. Stiger	11	1C	
Training Cart 5, M. Juengling	11	1C	
Training Cart 6, D. Terry	11	1C	
Training Library	11	1C	
TSC	1*	3C	Include 1C Index Only
Unit 1 Control Room	29*	2C	
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Document	Revision	Status	Title
PMP-2080-EPP-103	006	Superseded	ALERT

Comments: SUPERCEDED BY
PMP-2080-EPP-100 REV. 0

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A045

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DONALD C. COOK NUCLEAR PLANT
PLANT MANAGER PROCEDURE COVER SHEET

CONTROLLE
DOCUMENT

PROCEDURE USAGE LEVEL

☐ CONTINUOUS ☒ REFERENCE ☐ INFORMATION

(✓ check one)

Procedure No. PMP 2080 EPP.103

Revision No. 5

TITLE

ALERT

SCOPE OF REVISION

- Editorial changes, consistent use of acronyms
- Changed wording in Step 3.2 to allow the SEC to delegate development of PARs
- Removed requirement that the TSC and OSA are not activated from "Prerequisites"
- Changed name of call-out list to ERO Phone Directory to reflect elimination of PMSO.150
- Changed instructions for accessing Training Bldg. and Buchanan Office Bldg PA Systems.
- Corrected typos on Exhibit A: Line 14 changed from PSIG to GPM and Line 37, eliminated space for CST level in feet, and eliminated unnecessary information
- Modified procedure for use by the SEC in either Control Room or TSC
- Deleted reference to sectors and sheltering (as a PAR) in Attachment 1
- Margin Markings used

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APPROVAL DATE	6/23/98	
EFFECTIVE DATE	6/30/98	



LIST OF EFFECTIVE PAGES

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ATTACHMENT 1

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EXHIBIT A

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REVISION NUMBER/EFFECTIVE CHANGE SHEETS

Revision 5

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Revision 5

Revision 5

AMERICAN ELECTRIC POWER
DONALD C. COOK NUCLEAR PLANT

ALERT

1.0 OBJECTIVE

- 1.1 This procedure provides instructions to the Site Emergency Coordinator (SEC), for implementing a response to an Alert.

2.0 REFERENCES

- 2.1 D. C. Cook Nuclear Plant Emergency Plan
2.2 Michigan Emergency Preparedness Plan
2.3 Emergency Response Data System (ERDS) Operator Guide.

3.0 DETAILED PROCEDURE

3.1 Responsibilities

- 3.1.1 The Operations Shift Supervisor, acting as the SEC, is responsible for implementing this procedure until he has been relieved of SEC responsibilities.

3.2 Limitations/Precautions

- 3.2.1 The following actions shall not be delegated by the SEC:
- 3.2.1.1 Classification of the emergency.
 - 3.2.1.2 Directing the notification of offsite officials.
 - 3.2.1.3 Approval of protective action recommendations to offsite emergency management agencies.
- 3.2.2 Declaration of an emergency requires the notification of the County and State within 15 minutes. Notification of the NRC shall follow county and state notification and in all cases be completed within one hour.
- 3.2.3 The ERDS for the affected Unit is to be operational and transmitting data to the NRC within one hour of an Alert or higher declaration.

3.3 Prerequisites

NOTE

The Operations Staging Area (OSA), Technical Support Center (TSC), and the Emergency Operations Facility (EOF) are required to be activated at an "ALERT" classification or higher.

- 3.3.1 An Alert has been declared in accordance with PMP 2080 EPP.101, "Emergency Classification".

3.4 Activation Instructions

- 3.4.1 Inform Unit 1 and Unit 2 Control Room personnel that an Alert has been declared and that you have assumed the position of SEC.
- 3.4.2 Direct the implementation of PMP 2080 EPP.106, "Initial Offsite Notification".
- 3.4.3 If the Alert declaration occurs between the hours of 1530 (3:30 pm) and 0700 (7:00 am) Monday thru Friday, or anytime Saturday, Sunday or on a holiday, implement PMP 2080 EPP.107, "Notification of Plant Personnel" in conjunction with the Emergency Response Organization (ERO) Phone Directory.
- 3.4.4 Direct the performance of the following items
- 3.4.4.1 Make an announcement over the Public Address (PA) system including a brief description of the incident. Have the announcement broadcast twice.

"ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL. AN ALERT HAS BEEN DECLARED DUE TO (Brief Description). ACTIVATE THE OPERATIONS STAGING AREA, TECHNICAL SUPPORT CENTER, AND THE EMERGENCY OPERATIONS FACILITY AT THIS TIME. ALL OTHER PERSONNEL STAND BY FOR FURTHER ANNOUNCEMENTS."

- 3.4.4.2 On any touch-tone telephone, dial 1646, wait for the tone and press # # to access the Training Center and Buchanan Office Building PA and repeat the above announcement twice again.
- 3.4.4.3 Notify the Shift Security Supervisor of the ALERT Declaration on Plant extension 1135 or via the plant page.



NOTE

If the potential for a Radiological, Fire, Flooding, or Toxic Gas Hazard exists or the prognosis is worsening, the Nuclear Emergency Alarm should be sounded and ALL site personnel not having emergency response duties, should promptly be dismissed from the site.

3.4.5 Should a hazard to plant personnel exist (e.g. fire, radiological, toxic gas, or flooding) perform one of the following steps:

3.4.5.1 If the condition is local, evacuate the area by page announcement.

3.4.5.2 If the condition impacts significant portions of the plant, perform evacuation by implementing step 3.4.5 of PMP 2080 EPP.104, "Site Area Emergency".

3.4.5.3 If beach evacuation routes are flooded, dismiss all non-essential plant personnel along the normal plant access road.

NOTE

The presence of an offsite dose rate may require reclassification of the event, in accordance with ECC R-1, Radioactive Effluent Release.

3.4.6 In the event a gaseous release of radioactive material is occurring, initiate use of the Dose Assessment Program (DAP), to determine the magnitude of offsite dose levels. The following Emergency Plan procedures should be used:

- PMP 2080 EPP.108, "Initial Dose Assessment" (for use in the Control Room).
- PMP 2081 EPP.304, "Offsite Dose Projection" (for use in the EOF).

3.4.7 Perform mitigating actions in accordance with the appropriate plant procedures.

3.4.8 If the Plant Process Computer (PPC) is inoperable, designate someone to complete EXHIBIT-A, Technical Information Sheet, every 15 minutes. Continue this activity for the duration of the emergency, or until the PPC is operational.

3.4.9 Upon arrival of the oncoming SEC conduct a turnover as follows:

3.4.9.1 Obtain a copy of Attachment 1, Emergency Turnover Checklist.

3.4.9.2 The oncoming SEC shall complete the checklist as each item is verbally addressed.

3.5 Subsequent Instructions for the Shift Supervisor After Being Relieved of SEC Duties

3.5.1 Once you have been relieved of SEC responsibilities, resume the sole function of Shift Supervisor. Notify the Control Rooms that you have been relieved of SEC responsibilities.

3.5.2 Direct the continued implementation of the appropriate EOP and/or abnormal response procedures to return the unit to a safe condition.

3.5.3 Inform the Technical Support Center (TSC) of changes in plant condition and equipment status and damage control/inspection activities taking place outside the control room.

3.5.4 Inform the TSC of mitigating actions that have taken place, are currently underway and those that are planned.

3.5.5 If additional personnel are required request assistance from the TSC. The following emergency response teams are available:

- Radiation Monitoring Teams
- Post Accident Sampling Teams
- Damage Control Teams
- Rescue & Reentry Teams.

4.0 FINAL CONDITION

4.1 The Alert has been escalated to a Site Area Emergency, or the emergency has been terminated and the plant has entered the recovery phase.

4.2 Assemble all documentation associated with the emergency and forward it to the Emergency Planning Coordinator. This documentation should include:

- Completed notification forms
- Copies of pertinent log entries
- Copy of the Condition Report if generated
- Other documentation deemed appropriate by the Shift Supervisor.

EMERGENCY TURNOVER CHECKLIST

1. Emergency Classification:

Time Declared

_____ Unusual Event

_____ Alert

_____ Site Area Emergency

_____ General Emergency

2. Have notifications been completed?

a. Berrien County: yes / no / In progress

Time: _____

b. Michigan: yes / no / In progress

Time: _____

c. NRC: yes / no / In progress

Time: _____

d. NGG Personnel: yes / no / In progress

Time: _____

3. Protective Actions:

a. Local area evacuation yes / no

Time: _____

b. Site evacuation yes / no

Time: _____

c. Accountability yes / no

Time: _____

d. Site closed to visitors yes / no

Time: _____

e. Offsite protective action recommended:

• Evacuation: yes / no areas: _____

Time: _____

4. Plant Operational Status

a. Reactor trip: yes / no when: _____ Trip signal: _____

b. ESF Status: _____

c. EOP Status: _____



5. Plant Status

a. Chronology of Events

<u>Time</u>	<u>Event</u>

b. Current Plant Conditions

c. Potential for Plant Degradation

d. Mitigating Actions Taken or Underway

6. Plant Radiological Conditions

a. Inplant/Onsite Radiological Conditions

b. Potential for Offsite Release of Radioactivity

_____ Airborne _____ Water

7. Injured or Contaminated Personnel:

<u>Name</u>	<u>Employer</u>	<u>Status</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

TECHNICAL INFORMATION SHEET Unit No: _____ Date _____ Time _____

Data Taken By _____ Data Reviewed By _____

NOTE

When redundant indication exists, record most severe condition.

RCS PARAMETER

1. Containment Temp.	_____ °F	5. RWST Level	_____ %
2. Cont. H ² Concentration	_____ %	6. Containment Pressure	_____ PSIG
3. Source Range	_____ CPS	7. Containment Sump Level	_____ %
4. Intermediate Range	_____ AMPS	8. Containment Level	_____ %
9. CTS Pumps	East ON / OFF	West ON / OFF	
10. RHR Spray Flow	East _____ GPM	West _____ GPM	
11. SI Flow	North _____ GPM	South _____ GPM	
12. BIT Flow	LP1 _____ GPM	LP2 _____ GPM	LP3 _____ GPM
13. Accum Pressure	LP1 _____ PSIG	LP2 _____ PSIG	LP3 _____ PSIG
14. RHR Injection Flow	East _____ GPM	West _____ GPM	
15. RCP Status	LP1 ON / OFF	LP2 ON / OFF	LP3 ON / OFF
16. RCS Pressure -->	_____ PSIG	22. PRT Level	_____ %
17. Charging Flow	_____ GPM	23. PRT Pressure	_____ PSIG
18. PZR Liquid Temp.	_____ °F	24. PZR Cycling Htrs.	ON / OFF
19. PZR Steam Temp.	_____ °F	25. PZR Backup Htrs.	ON / OFF
20. PZR Level -->	_____ %	26. Letdown Flow	_____ GPM
21. PRT Temp.	_____ °F	27. Saturation Margin	_____ °F

NSSS LOOP PARAMETERS

	Loop 1	Loop 2	Loop 3	Loop 4
28. Wide Range T Hot	_____ °F	_____ °F	_____ °F	_____ °F
29. Wide Range T Cold	_____ °F	_____ °F	_____ °F	_____ °F
30. S/G Pressure	_____ PSIG	_____ PSIG	_____ PSIG	_____ PSIG
31. S/G N.R. Level	_____ %	_____ %	_____ %	_____ %
32. S/G W.R. Level	_____ %	_____ %	_____ %	_____ %
33. Steam Flow (pph X 106)	_____	_____	_____	_____
34. Feed Flow (pph X 106)	_____	_____	_____	_____
35. Aux. Feed Flow(pph X 103)	_____	_____	_____	_____
36. MSIV Status	OPEN / CLOSE	OPEN / CLOSE	OPEN / CLOSE	OPEN / CLOSE
37. CST Level	_____ %			
38. Steam Dump	ATMOS / COND			

EQUIPMENT STATUS

UNAVAILABLE

UNAVAILABLE

39. East ESW	---	49. East CCP	---
40. West ESW	---	50. West CCP	---
41. East CCW	---	51. TDAFP	---
42. West CCW	---	52. EMDAFP	---
43. East CTS	---	53. WMDAFP	---
44. West CTS	---	54. AB Diesel	---
45. North SI	---	55. CD Diesel	---
46. South SI	---	56. Normal Res.	---
47. East RHR	---	57. 12 EP	---
48. West RHR	---		

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PROCEDURE USAGE LEVEL

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Procedure No. **PMP 2080 EPP.104**

Revision No. **4**

TITLE
SITE AREA EMERGENCY

SCOPE OF REVISION

- Editorial changes, consistent use of acronyms
- Procedure modified for use by the SEC in either Control Room or TSC
- Changed wording in Step 3.2 to allow the SEC to delegate development of PARs
- Removed requirement that the TSC and OSA are not activated from "Prerequisites"
- Changed name of the call-out list to ERO Phone Directory to reflect elimination of PMSO.150
- Changed instructions for accessing the Training Building & Buchanan Office Building PA Systems. Both can be accessed simultaneously using one number
- Margin Markings Used

	PRINTED NAME	SIGNATURE
PREPARED BY	Dan. Mihalik	<i>DR Mihalik</i>
PLANT PERFORMANCE ASSURANCE SUPERINTENDENT	THOMAS J CRANE	<i>Tom Crane</i>
PLANT NUCLEAR SAFETY COMMITTEE	#3305 6-18-98	<i>YMB Depuydt</i>
PLANT MANAGER APPROVAL	D. E. COOPER	<i>[Signature]</i>
APPROVAL DATE	6/23/98	
EFFECTIVE DATE	6/30/98	



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Revision 4

AMERICAN ELECTRIC POWER
DONALD C. COOK NUCLEAR PLANT

SITE AREA EMERGENCY

1.0 OBJECTIVES

- 1.1 This procedure provides instructions to the Site Emergency Coordinator (SEC), for implementing a response to a Site Area Emergency.

2.0 REFERENCE

- 2.1 D. C. Cook Nuclear Plant Emergency Plan.
- 2.2 Michigan Emergency Preparedness Plan dated 2-1-91.
- 2.3 Emergency Response Data System (ERDS) Operator Guide.

3.0 DETAILED PROCEDURE

3.1 Responsibilities

- 3.1.1 The Operations Shift Supervisor, acting as the SEC, is responsible for implementing this procedure until he has been relieved of SEC responsibilities.

3.2 Limitations

- 3.2.1 The following actions shall not be delegated by the SEC:
- a) Classification of the emergency.
 - b) Directing the notification of offsite officials.
 - c) Approval of protective action recommendations to offsite emergency management agencies.
- 3.2.2 Declaration of a Site Area Emergency requires the notification of the County and State within 15 minutes. Notification of the NRC shall follow county and state notification and in all cases be completed within one hour.
- 3.2.3 The ERDS for the affected Unit is to be operational and transmitting data to the NRC within one hour of an ALERT or higher declaration.

3.3 Prerequisites

- 3.3.1 A Site Area Emergency has been declared in accordance with PMP 2080 EPP.101, "Emergency Classification".

3.4 Activation Instructions

- 3.4.1 Inform Unit 1 and Unit 2 Control Room personnel that a Site Area Emergency has been declared and that you have assumed the position of SEC.
- 3.4.2 Direct the Implementation of PMP 2080 EPP.106, "Initial Offsite Notification".

NOTE

If an ALERT had been declared prior to the SITE AREA EMERGENCY, and notification of plant personnel is in progress or has been completed, Step 3.4.3 need not be performed.

- 3.4.3 If the Site Area Emergency declaration occurs between the hours of 1530 (3:30 pm) and 0700 (7:00 am) Monday thru Friday, or anytime Saturday or Sunday or on a holiday, implement PMP 2080 EPP.107, "Notification of Plant Personnel" in conjunction with the Emergency Response Organization (ERO) Phone Directory.

NOTE

The TSC, OSA, & EOF are required to be activated at an ALERT classification or higher.

- 3.4.4 Direct someone to perform the following steps:

3.4.4.1 Sound the Nuclear Emergency Alarm (from the Control Room).

3.4.4.2 Make the following announcement over the Public Address (PA) system including a brief description of the incident. Have the announcement broadcast twice.

"Attention all Personnel. Attention all Personnel. A Site Area Emergency has been declared due to (Brief Description) . Activate the Technical Support Center, Operations Staging Area, and the Emergency Operations Facility. All other Plant personnel report to the basement of the Lakeside Office Building For Accountability."

3.4.4.3 On any touchtone telephone, dial 1646, wait for the tone, press # # to access the Training Center and Buchanan Office Building PA and repeat the above announcement twice again.

3.4.4.4 Notify the Shift Security Supervisor of the Site Area Emergency Declaration on Plant Extension 1135 or via the page.

- 3.4.5 When an evacuation is ordered, direct the Security Shift Supervisor (X-1135) to perform accountability as per their procedure.

NOTE

The presence of an offsite dose rate may require reclassification of the event in accordance with ECC R-1, Radioactive Effluent Release.

- 3.4.6 In the event a gaseous release of radioactive material is occurring, initiate use of the Dose Assessment Program (DAP), to determine the magnitude of offsite dose levels. The following Emergency Plan Procedures should be used:

- PMP 2080 EPP.108, "Initial Dose Assessment" (for use in the Control Room).
- PMP 2081 EPP.304, "Offsite Dose Projection" (for use in the EOF).

- 3.4.7 Perform mitigating actions in accordance with appropriate plant procedures.

- 3.4.8 If the Plant Process Computer (PPC) is inoperable, designate someone to complete EXHIBIT A of PMP 2080 EPP.103, "Alert", every 15 minutes. Continue this activity for the duration of the emergency or until the PPC is operable.

NOTE

Step 3.4.9 need only be performed if the TSC and OSA are not activated.

- 3.4.9 If accountability results identify a missing person(s), have Security perform the following:

- 3.4.9.1 Attempt to obtain a verbal response from the missing individual by passing the following announcement:

"Attention _____
(Name of missing person)"

Attention _____
(Name of missing person)"

Contact the Control Room Immediately".

- 3.4.9.2 If the missing person responds to the page, inform him/her to report to the Basement of the Lakeside Office Building. Discontinue search activities.

- 3.4.9.3 If the missing person does not respond to the page within two to three minutes, contact the Security Director at ext. 1135. Request that the last known location of the individual be accessed from the security computer.

- 3.4.9.4 Contact the missing person's immediate supervisor if known. Ask the supervisor for the last known location of the missing person.
- 3.4.9.5 Direct the organization of a search team to locate the missing person(s). The team shall be composed of at least two people. If manpower is available, one member of the team should be a Radiation Protection Technician.

NOTE

Caution should be exercised when entering plant areas during an emergency. Previously unidentified radiological conditions may exist.

- 3.4.9.6 Conduct a search for the missing person(s) starting at the last known location of the person(s).
- 3.4.9.7 Continue search operations until the person(s) is accounted for.
- 3.4.9.8 If the missing person(s) is found to be injured, implement PMP 2080 EPP.112, "Personnel Injury".
- 3.4.10 Upon arrival of the oncoming SEC conduct a turnover as follows:
- 3.4.10.1 Obtain a copy of Attachment No. 1, "Emergency Turnover Checklist" to PMP 2080 EPP.103, "Alert".
- 3.4.10.2 The oncoming SEC shall complete the checklist as each item is verbally addressed.

3.5 Subsequent Instructions for the Shift Supervisor After Being Relieved of SEC Duties

- 3.5.1 Once you have been relieved of SEC responsibilities, resume the sole function of Shift Supervisor. Notify the Control Rooms that you have been relieved of SEC responsibilities.
- 3.5.2 Direct the continued implementation of the appropriate EOP and/or AOP to return the unit to a safe condition.
- 3.5.3 Inform the Technical Support Center (TSC) of changes in plant condition and equipment status.
- 3.5.4 Inform the TSC of mitigating actions to be taken or any that have been completed.
- 3.5.5 If additional personnel are required, request assistance from the TSC. The following emergency response teams are available:
- Radiation Monitoring Teams
 - Post Accident Sampling Teams
 - Damage Control Teams
 - Re-Entry & Rescue Teams



4.0 Final Condition

- 4.1 The Site Area Emergency has been escalated to a General Emergency, or the emergency has been terminated and the plant has entered the recovery phase.
- 4.2 Assemble all documentation associated with the emergency and forward it to the Emergency Planning Coordinator. This documentation should include:
- Complete notification forms
 - Copies of pertinent log entries
 - Copy of the Condition Report if generated
 - Other documentation deemed appropriate by the Shift Supervisor

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Document	Revision	Status	Title
PMP-2080-EPP.105	004-CS1	Approved	GENERAL EMERGENCY Comments: EXHIBIT C, PAGE 1 OF 1 (BEST AVAILABLE PER ORIGINATOR) PROCEDURE TO BE REVISED IN THE NEAR FUTURE AND THIS EXHIBIT WILL BE PRODUCED ON COLOR PAPER TO ENHANCE LEGIBILITY

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REVIEW AND APPROVAL TRACKING FORM

Procedure Information:		
Number: <u>PMP 2080 EPP.105</u>	Revision: <u>04</u>	Change: <u>1</u>
Title: <u>General Emergency</u>		
Category (Select One Only):		
<input type="checkbox"/> Correction (Full Procedure) <input type="checkbox"/> Change (Full Procedure) with Review of Change Only <input checked="" 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): _____		
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REVISION SUMMARY

Number: PMP 2080 EPP.105

Revision: 04

Change: 1

Title: General Emergency

Section or Step	Change/Reason For Change
Exhibit A, Step 1.3.2	<p>Correction: Delete 'plant' and 'to the basement of the Lakeside Office Building' from the announcement.</p> <p>Criteria: m</p> <p>Reason: The Lakeside Office Building is not the only accountability location. Accountability will have to be performed at any accessible accountability location. 'Plant' is being deleted because personnel other than plant personnel may be inside the protected area. This is a correction because the accountability locations are correctly described in PMP 2081 EPP.103, Assembly, Accountability and Evacuation of Plant Personnel.</p>
	<p>Change:</p> <p>Reason:</p>
	<p>Change:</p> <p>Reason:</p>
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DONALD C. COOK NUCLEAR PLANT

PLANT MANAGER PROCEDURE COVER SHEET

PROCEDURE USAGE LEVEL

☐ CONTINUOUS ☒ REFERENCE ☐ INFORMATION

(✓ check one)

Procedure No. **PMP 2080 EPP.105**

Revision No. **4**

TITLE
GENERAL EMERGENCY

SCOPE OF REVISION

- Replaced Core Melt Sequence PAR Flowchart with a simplified version based on guidance in NUREG/BR-0150 (RTM-96)
- Procedure modified for use by the SEC in either Control Room or TSC
- Revised Dose Projection PAR Flowchart
- Incorporated new evacuation "Areas" into PAR determination process
- Revised procedure steps to simplify PAR determination process
- Changed wording in Step 3.2.1 to emphasize that the SEC only has to approve PAR
- Changed instructions for accessing the Training Building & Buchanan Office Building PA Systems. Both can be accessed simultaneously using one number

	PRINTED NAME	SIGNATURE
PREPARED BY	Dan Mihalik	<i>Dan Mihalik</i>
PLANT PERFORMANCE ASSURANCE SUPERINTENDENT	THOMAS J. CRAVEN	<i>Thomas J. Craven</i>
PLANT NUCLEAR SAFETY COMMITTEE	#3305 6-18-98	YMB Depuydt
PLANT MANAGER APPROVAL	D.E. Cooper	<i>[Signature]</i>
APPROVAL DATE	6/23/98	
EFFECTIVE DATE	6/30/98	

50-315

Superseded

pages per Rev

To Emergency

Plan Procedure

dtg. 1/24/01

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LIST OF EFFECTIVE PAGES

PAGE NUMBERREVISION NUMBER/EFFECTED CHANGE SHEETS

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EXHIBIT A

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EXHIBIT B

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Revision 4

EXHIBIT C

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Revision 4

EXHIBIT D

Page 1 of 1

Revision 4



AMERICAN ELECTRIC POWER
DONALD C. COOK NUCLEAR PLANT

GENERAL EMERGENCY

1.0 OBJECTIVES

- 1.1 This procedure provides instructions to the Site Emergency Coordinator (SEC), for implementing a response to a General Emergency.

2.0 REFERENCE

- 2.1 D. C. Cook Nuclear Plant Emergency Plan.
2.2 Michigan Emergency Preparedness Plan dated 02-01-91.
2.3 Emergency Response Data System (ERDS) Operator Guide.

3.0 DETAILED PROCEDURE

3.1 Responsibilities

- 3.1.1 The Operations Shift Supervisor, acting as the SEC, is responsible for implementing this procedure until he has been relieved of SEC responsibilities.

3.2 Limitations

- 3.2.1 The following actions shall not be delegated by the SEC:

- A Classification of the emergency.
- B Directing the notification of offsite officials.
- C Approval of protective action recommendations (PARs) to offsite emergency management agencies.

- 3.2.2 Declaration of a General Emergency requires the notification of the County and State within 15 minutes. Notification of the NRC shall follow county and state notification and in all cases be completed within one hour.

- 3.2.3 Declaration of a General Emergency requires that a PAR be made to the State. The PAR should be made immediately after the notification of a General Emergency (i.e. during the same phone call).

- 3.2.4 The ERDS for the affected Unit is to be operational and transmitting data to the NRC within one hour of an ALERT or higher declaration.

3.3 Prerequisites

3.3.1 A General Emergency has been declared in accordance with PMP 2080 EPP.101, "Emergency Classification".

3.4 Inform Unit 1 and Unit 2 Control Room personnel that a General Emergency has been declared and that you have assumed the position of SEC.

3.5 When an evacuation is ordered, direct the Shift Supervisor (X-1135) to perform accountability as per their procedure.

3.6 In the event a gaseous release of radioactive material is occurring, initiate the use of the Dose Assessment Program (DAP), to determine the magnitude of offsite dose levels. The following procedures should be used as appropriate:

- PMP 2080 EPP.108, "Initial Dose Assessment" (for use in the Control Room)
- PMP 2081 EPP.304, "Offsite Dose Projection" (for use in the EOF)

3.7 Direct the Implementation of EXHIBIT A for initial notifications.

3.8 Direct the development of a protective action recommendation using the following steps:

3.8.1 Obtain the following data:

- Wind direction

and
- Offsite dose projection (if available) as calculated using DAP or actual offsite dose rate measurements.

3.8.2 Using Exhibit B, determine the appropriate PAR.

NOTE

If a deviation from the protective action specified on the flow-chart is indicated by any of the considerations on Exhibit D, that information should be passed on to the appropriate offsite agency responsible for issuing Protective Action Orders.

3.8.3 Obtain a Nuclear Plant Accident Notification form from the Emergency Kit in the Control Room (these forms are on three page, self coping paper), or from the DAP printout.

3.8.4 Complete the Nuclear Accident Notification form and Inform the State of the recommendation as soon as possible.

3.8.5 Repeat Steps 3.8.1 through 3.8.4 every 15 minutes or as requested.

- 3.9 Perform mitigating actions in accordance with appropriate plant procedures.
- 3.10 If accountability results identify a missing person(s), direct someone to perform the following:

- 3.10.1 Attempt to obtain a verbal response from the missing person by making the following announcement:

"ATTENTION _____"
(Name of missing person)

"ATTENTION _____"
(Name of missing person)

"Call _____ IMMEDIATELY".
(Your phone number)

- 3.10.2 If the missing person responds to the page, inform him/her to report to the Operations Staging Area. Discontinue search activities.
- 3.10.3 If the missing person does not respond to the page within two to three minutes, contact the Shift Security Supervisor at extension 1135. Request that the last known location of the person be accessed from the security computer.
- 3.10.4 Contact the missing person's immediate supervisor if known. Ask the supervisor for the last known location of the missing person.
- 3.10.5 Direct the organization of a search team to locate the missing person(s). The team shall be composed of at least two people. If manpower is available, one member of the team should be a Radiation Protection Technician.

NOTE

Caution should be exercised when entering plant areas during an emergency. Previously unidentified radiological conditions may exist.

- 3.10.6 Conduct a search for the missing person(s) starting at the last known location of the person(s).
- 3.10.7 Continue search operations until the missing person(s) are accounted for.
- 3.11 If the Plant Process Computer (PPC) is inoperable, designate someone to complete EXHIBIT A of PMP-2080 EPP.103, "ALERT", every 15 minutes. Continue this activity for the duration of the emergency or until the PPC is operational.

3.12 Upon arrival of the oncoming SEC conduct a turnover as follows:

3.12.1 Obtain a copy of Attachment No. 1, "Emergency Turnover Checklist" to PMP 2080 EPP.103, "Alert".

3.12.2 The oncoming SEC shall complete the checklist as each item is verbally addressed.

NOTE

Steps 3.13 to 3.15 apply only if the Shift Supervisor has not been relieved of the SEC duties.

3.13 Inform the Technical Support Center (TSC) of changes in plant conditions and equipment status.

3.14 Inform the TSC of mitigating actions to be taken or completed.

3.15 If additional personnel are required, request assistance from the TSC. The following emergency response teams are available:

- Radiation Monitoring Teams.
- Post Accident Sampling Teams
- Damage Control Teams
- Re-Entry & Rescue Teams

4.0 **FINAL CONDITIONS**

4.1 The General Emergency has been terminated.

4.2 Assemble all documentation associated with the emergency and forward it to the Emergency Planning Coordinator. This documentation should include:

- Completed notification forms
- Copies of pertinent log entries
- Copy of the Condition Report if generated
- Other documentation deemed appropriate by the Shift Supervisor.

INITIAL NOTIFICATION

- 1.1 Implement or direct the implementation of PMP 2080 EPP.106, "Initial Offsite Notification".

NOTE

If an Alert or Site Area Emergency has been declared prior to the General Emergency, and notification of plant personnel is in progress or has been completed, Step 1.2 need not be completed.

- 1.2 If the General Emergency occurs between the hours of 1530 (3:30 p.m.) and 0700 (7:00 a.m.) Monday through Friday, or anytime Saturday or Sunday or on a holiday, implement PMP 2080 EPP.107, "Notification of Plant Personnel".

NOTE

If the Nuclear Emergency alarm has been sounded previously, Step 1.3.1 need not be complete.

NOTE

The TSC, EOF, and OSA are required to be activated at an Alert classification or higher.

The last sentence of the announcement need not be included if a site evacuation and accountability had been implemented previously.

- 1.3 Direct a Control Room operator to perform the following steps:

- 1.3.1 Sound the Nuclear Emergency Alarm.

- 1.3.2 Make the following announcement over the Public Address (PA) system including a brief description of the incident. Have the announcement broadcast twice.

"Attention all Personnel. Attention all Personnel. A General Emergency has been declared due to (Brief Description). Activate the Technical Support Center, Operations Staging Area, and the Emergency Operations Facility. All other Plant Personnel report to the basement of the Lakeside Office Building for accountability.

- 1.4 On any touch-tone telephone, dial 1646, wait for the tone and press # # to access the Training Center and Buchanan Office Building PA and repeat the above announcement twice again.
- 1.5 Notify the Shift Security Supervisor of the General Emergency Declaration on Plant Extension 1135 or via the page.
- 1.6 Notify the SEC that all notifications required by this attachment have been completed.

