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February 19, 2016

AEP-NRC-2016-22
10 CFR 50.4
10 CFR Part 50, Appendix E.V

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

SUBJECT: Donald C. Cook Nuclear Plant Units 1 and 2
Transmittal of Revision to Emergency Plan Implementing Procedures

Dear Sir or Madam:

Pursuant to 10 CFR 50.4, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, is transmitting the following revision to CNP Emergency Plan Implementing Procedures:

<u>Procedure Number</u>	<u>Title</u>	<u>Revision</u>	<u>Effective Date</u>
PMP-2080-EPP-100	Emergency Response	32	1/28/2016
PMP-2080-EPP-100	Emergency Response	33	2/12/2016
EPP-2080-ERO-001	Emergency Response Resource Readiness	14	2/3/2016

There are no new or revised commitments in this letter. Should you have any questions, please contact me at (269) 466-2649.

Sincerely,

Handwritten signature: Hal Kish for M. Scarpello

Michael K. Scarpello
Regulatory Affairs Manager

DMB/ml

Enclosure: Emergency Plan Implementing Procedures

*Handwritten: AX45
NRR*

- c: R. J. Ancona - MPSC, w/o enclosure
A. W. Dietrich - NRC Washington, DC, w/o enclosure
MDEQ - RMD/RPS, w/o enclosure
NRC Resident Inspector, w/o enclosure
C. D. Pederson - NRC Region III (CD)
A. J. Williamson - AEP Ft. Wayne, w/o enclosure

Enclosure to AEP-NRC-2016-22

DONALD C. COOK NUCLEAR PLANT

EMERGENCY PLAN
IMPLEMENTING PROCEDURES

PMP-2080-EPP-100, Revision 32
PMP-2080-EPP-100, Revision 33
EPP-2080-ERO-001, Revision 14

IMPLEMENTING PROCEDURE

PMP-2080-EPP-100, Emergency Response, Revision 32

Doc No.: PMP-2080-EPP-100
Title: EMERGENCY RESPONSE

Rev 032
No.:

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Approvals

Name	Review/Approval Type/Capacity	Date
Hart, William E (i376639)	1 Validation Review	12/16/2015 12:12
Hart, William E (i376639)	1 Cross-Discipline Review : EMERGENCY PREPAREDNESS	12/16/2015 12:16
Thompson, Alisa (s008540)	1 Special Review : E-PLAN GROUP	12/16/2015 12:24
Peterson, Gerald T (i689988)	3 Technical Review	12/18/2015 13:56
Hart, William E (i376639)	3 Technical Review	01/08/2016 10:15
Henderson, Kristen M (s008645)	5 Management Review	01/14/2016 07:32
Wendzel, Regan (s007887)	7 Approval Authority	01/14/2016 13:23

Signature Comments

Validation Review performed by Simpson, EP
Cross Discipline Reviews performed by Ashley, Training and Humes, Operations.
The technical review was performed by Jerry Peterson
PORC approval obtained at meeting 4666

Approved at PORC per Plant Manager, Jim Ross.



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Reference			
<u>Bill Hart</u> Writer	<u>Emergency Preparedness</u> Document Owner	<u>Emergency Preparedness</u> Cognizant Organization	

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1 PURPOSE AND SCOPE

- 1.1 This procedure provides Instructions to the Shift Manager acting as the Site Emergency Coordinator (SM-SEC), and to the Control Room (CR) for implementing a response to an emergency declared per PMP-2080-EPP-101, Emergency Classification.
- 1.2 Terminating an event if the conditions for the UE no longer exist, and no escalation of classification is expected.

2 DEFINITIONS AND ABBREVIATIONS

Term	Meaning
AOP	Abnormal Operating Procedure
AEO	Auxiliary Equipment Operator
BCSD	Berrien County Sheriff Department
BOP	Balance of Plant
Contingency Director	A Senior Reactor Operator assigned by the Shift Manager who performs accountability at the beginning of the event to ensure persons are accounted for and to quantify available resources. Also provides supervisory oversight and technical direction for the personnel assigned to the Contingency Team.
Contingency Team	Includes RP and Chemistry Technicians, and Operators (Auxiliary Equipment, Utility, Makeup Plant) from the shift not assigned to other duties who are responsible for responding to the operations needs of the affected unit.
Control Room Communicator	Usually a member of the Operations Department who comes to the Control Room whenever the Technical Support Center is activated and establishes communications with the TSC and EOF.
Control Room Liaison	An available extra SRO or RO who acts as a single point contact for the Unit Supervisor to the Contingency Director, and the SM/SEC.
CR	Control Room
Critical Safety Function Status Trees	A set of flowchart diagnostic aids used to monitor the condition of critical safety functions and select appropriate Function Restoration Procedures to restore safety functions that are challenged.
DAP	Dose Assessment Program
EAL	Emergency Action Level

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Term	Meaning
ED	Emergency Director
EMD-32	Nuclear Plant Accident Notification form
ENC	Emergency News Center
EOC	Emergency Operation Center
EOF	Emergency Operations Facility
EOP	Emergency Operating Procedure
ERAEO	Operator(s) that will initiate preventative actions as required to support Security are designated as Emergency Response Auxiliary Equipment Operators.
ERDS	Emergency Response Data System
ERF	Emergency Response Facility
ERONS	Emergency Response Organization Notification System
ERO	Emergency Response Organization
GE	General Emergency
HAB	Hostile Action Based
IC	Initiating Conditions
JIC	Joint Information Center
Mitigation Team	Consists of the standard crew compliment (US, RO and BOP) with the addition of an RO from the unaffected unit or an extra RO who is responsible for placing the unit in a safe condition, during emergency conditions in accordance with approved plant procedures under the direct supervision of the affected unit's Unit Supervisor.
MSP	Michigan State Police
NEA	Nuclear Emergency Alarm
NRC	Nuclear Regulatory Commission
Offsite Communicator	An operator (SRO/RO/qualified AEO) assigned to the shift assumes the role at the SM/SEC's discretion and ensures communications are established at an Alert or higher level, or as directed by the SM/SEC, with the Michigan State Police, Berrien County Sheriff's Department and NRC.
ORO	Off-site Response Organization refers to Berrien County Sheriff's Department, Michigan State Police or local fire departments.
OSC	Operations Support Center
PA	Public Address

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Term	Meaning
PACHMT	Post-Accident Containment Hydrogen Monitoring team
PAR	Protective Action Recommendation
PPC	Plant Process Computer
PSP	Plant Status PAR
PSS	Plant System Server Local Area Network application for PPC data
RAC	Radiological Assessment Coordinator
RO	Reactor Operator
RP	Radiation Protection
SAE	Site Area Emergency
SAS	Secondary Alarm Station
SEC	Site Emergency Coordinator
SIP	Shelter In Place
SM	Shift Manager
SM-SEC	Shift Manager – Site Emergency Coordinator
SRO	Senior Reactor Operator
STA	Shift Technical Advisor
TSC	Technical Support Center
TSC-SEC	Technical Support Center – Site Emergency Coordinator
NEST	Nuclear Engineering Services & Technology Building
UE	Unusual Event
US	Unit Supervisor
WCC-SRO	Work Control Center – Senior Reactor Operator

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3 DETAILS

- | | |
|--------------|---|
| NOTE: | <ul style="list-style-type: none"> • Steps in this procedure that do not apply to the current classification may be marked N/A. • The steps in this procedure are listed in the preferred order of performance. Steps may be performed in a different sequence. |
|--------------|---|

3.1 General Information

- 3.1.1 SM-SEC implements this procedure until relieved of SEC duties.
- 3.1.2 Notification duties, under the direction of the SM-SEC remain with the CR until relieved of the duties by the EOF.
- 3.1.3 The following actions shall not be delegated by the SEC (Command & Control Function):
 - Classification of the emergency.
 - Directing the notification of offsite officials.
 - Approval of PAR to offsite emergency management agencies.
- 3.1.4 Declaration of an emergency requires the notification of the MSP and BCSD within 15 minutes. Notification of the NRC follows state and county notification and in all cases must be completed within one hour.
- 3.1.5 The OSC, TSC, and the EOF are required to be activated at an ALERT classification or higher. The TSC and OSC will not be activated on site if the security event pager code is used.
- 3.1.6 PA announcements for protective measures implemented during security events may be modified or omitted as conditions warrant (e.g., omitting announcement for accountability, if dismissal of non-essential personnel has already taken place.)
- 3.1.7 Once phone communications are established with off-site agencies, it is probable that the agencies contacted may request continuous communications. This should be supported, as resources become available. The use of Operations Department staff is recommended.

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3.2 SM-SEC Checklist

- NOTE:**
- The following steps are repeated for each classification upgrade.
 - A new EMD-32A is required within 15 minutes of each subsequent classification upgrade.

- 3.2.1 Inform Unit 1 and Unit 2 CR personnel of the event classification and that the SM has assumed the position of SEC.
- 3.2.2 Direct the Unaffected Unit (or Unit 1 if a dual unit event) to perform Step 3.3 of this procedure.
- 3.2.3 **IF** the emergency response facilities have been activated **THEN** establish communications with emergency response facilities using the Managers' Bridge.

- NOTE:** Actions already taken in SPP-2060-SFI-216, Plant Response to a Security Threat, need not be repeated in this procedure (e.g., protective measures such as evacuation).
- Activation of the ERONS includes activating the Emergency Response Facilities.

- 3.2.4 **IF** at Alert or higher, (**OR** UE at SEC discretion), **THEN** direct the Unaffected Unit (or Unit 1 if a dual unit event) to activate the Emergency Response Organization Notification System (ERONS) per Attachment 2, Activation of ERONS. (Performed only once per event).

- NOTE:** Accountability and subsequent evacuation are required at a SAE or higher for non-essential personnel. SEC discretion should be used for these activities when taking these actions would jeopardize the safety of personnel (e.g., hostile force, radiation release, toxic spill, etc.).

- 3.2.5 **IF** at UE or Alert and degrading/hazardous conditions warrant, **THEN** use SEC discretion to Dismiss Non-Essential Personnel from the site per Attachment 3, Dismissal of Non-Essential Personnel (performed only once per event).

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- 3.2.6 **IF** any H-2 ICs (Security EALs) were used to classify the current event, **THEN** implement actions in accordance with SPP-2060-SFI-216, Plant Response to a Security and continue in this procedure. _____
- 3.2.7 **IF** in a SAE or GE **AND** personnel have not been dismissed **THEN** order Site Evacuation using Attachment 5, Evacuation, (performed only once per event). _____
- 3.2.8 **IF** in a SAE or GE, (or at SM-SEC discretion), **THEN** implement Accountability using Attachment 4, Accountability, (performed only once per event). _____
- 3.2.9 **IF** in a GE, **THEN** verify a Protective Action Recommendation is developed using Attachment 1, Protective Action Recommendations. _____
- 3.2.10 Assign an individual to complete Data Sheet 3, Plant Status. _____
- 3.2.11 **WHEN** the TSC-SEC or EOF-ED reports for duty, **THEN** conduct turnover and transfer Command and Control Function using Data Sheet 2, Emergency Turnover Checklist. _____
- 3.2.12 Upon completion of turnover, inform both control rooms that the Command & Control Function has been transferred to the SEC (or ED, as applicable). _____
- 3.2.13 **IF** in a UE and conditions warrant **AND** the SM-SEC has Command & Control Function, **THEN** terminate the UE using Attachment 6, Terminating a UE. _____
- 3.2.14 **IF** in an Alert, or higher **AND** conditions warrant **AND** SM-SEC has Command & Control Function, **THEN** terminate the event using RMT-2080-EOF-002, Emergency Termination and Recovery. _____
- 3.2.15 **WHEN** 10 CFR 50.54(x) or 10 CFR 72.32(d) are invoked, **THEN** ensure communications to the NRC are performed per PMP-7030-001-001, Prompt NRC Notification. _____

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3.3 Unaffected CR Checklist

3.3.1 **WHEN** directed by the SEC, **THEN** verify that ERONS has been activated per Attachment 2, Activation of ERONS, (performed only once per event). _____

3.3.2 Notify Site Personnel of the emergency classification using Attachment 7, Notification of On-Site Personnel. _____

3.3.3 Assign an individual to start the Dose Assessment Program (DAP). _____

- **IF** a radiological release is in progress due to the emergency, **THEN** perform PMP-2080-EPP-108, Initial Dose Assessment. _____

3.3.4 TSC Ventilation

a. **IF** any of the following conditions are present: _____

- The emergency involves a loss of coolant accident
- The Control Room Pressurization System has been activated
- A valid Safety Injection signal

THEN verify 12-101-TSC-EM, 12-HV-TSC-FIL Unit Damper, in Emergency Mode. _____

b. Record the Emergency Mode start time on the placard located below the switch. _____

NOTE:	Not all portions of Data Sheet 1, PPC or PSS Control Room Data, need to be completed; coordinate with requesting facility (usually TSC) for desired information.
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3.3.5 **IF** the PPC or PSS are inoperable **THEN** complete portions of Data Sheet 1, PPC or PSS Control Room Data, every 15 minutes, or as otherwise specified by requesting facility until the PPC and PSS are operable. _____

- Transmit Data Sheet 1, PPC or PSS Control Room Data, to requesting facility (usually TSC). _____

3.3.6 Verify ERDS for the affected Unit is operational and transmitting data to the NRC within one hour of an ALERT or higher declaration _____

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3.4 Shift Technical Advisor (STA)

- 3.4.1 Reports to the Control Room in the event of an emergency or off-normal event.
- 3.4.2 Provides an independent assessment of conditions present and actions taken.
- 3.4.3 Reports to the SM and acts in an advisory capacity.
- 3.4.4 Implementation and monitoring of Critical Safety Function Status Trees in the event that the Emergency Operating Procedures (EOPs) are implemented.
- 3.4.5 Ensures that the Emergency Plan is being implemented at an emergency action level appropriate to plant conditions by independently classifying the event.

<p>NOTE: The Contingency Director position is filled by an SRO. The WCC-SRO would normally, at the discretion of the SM, fill the role of the Contingency Director.</p>
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3.5 Contingency Director

- 3.5.1 The Contingency Director is responsible for the industrial and radiological safety of personnel dispatched from the Control Room.
- 3.5.2 The Contingency Director performs the following tasks.
 - Perform accountability at the beginning of the event to ensure persons are accounted for and to quantify available resources.
 - Provide the supervisory oversight and technical direction for the personnel assigned to the Contingency Team.
 - Logging personnel dispatched from the Control Room on Data Sheet 5, Contingency Team Tracking Form.
 - Provide briefings for the personnel dispatched from the Control Room on the radiological and hazardous environmental conditions that may exist in the plant.
 - Provide updates on the plant conditions to personnel dispatched out of the Control Room as appropriate.

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NOTE: Several sets of anti-C's are available in each Control Room. Anti-C's and dose rate meters are available in the locker just outside and to the west of the SM/TSC complex.

- Specify and ensure that the proper protective clothing and dosimetry is provided for the Contingency Team members.
- Provide the TSC, after it's been declared operational, with the logged information of those Contingency Teams currently outside the Control Room.
- **WHEN** accountability is directed, **THEN** provide a list of Contingency Team members to the TSC.
- Inform the SM of teams in the field, including the ERAEOs, prior to moving the Contingency Team to the OSC.
- Coordinate the move of personnel to the OSC when directed by the SM.
- Be cognizant of radiological conditions for briefing purposes and shall notify personnel already dispatched from the Control Room of changing conditions as necessary.

4 FINAL CONDITIONS

4.1 The emergency has been terminated and the plant has entered the recovery phase.

Record any comments below (include document numbers for corrective actions):

Verified Complete By: _____ Date: ____/____/____
 Performer

Independently Verified By: _____ Date : ____/____/____

Reviewed By: _____ Date: ____/____/____
 Operations Shift Manager / designee

Reference	PMP-2080-EPP-100	Rev. 32	Page 12 of 61
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5 REFERENCES

5.1 Use References:

- 5.1.1 PMP-2080-EPP-101, Emergency Classification
- 5.1.2 PMP-2080-EPP-108, Initial Dose Assessment
- 5.1.3 RMT-2080-EOF-001, Activation and Operation of the EOF.
- 5.1.4 RMT-2080-EOF-002, Emergency Termination and Recovery
- 5.1.5 SPP-2060-SFI-216, Plant Response to a Security Threat
- 5.1.6 RMT-2080-TSC-001, Activation and Operation of the TSC
- 5.1.7 PMP-7030-001-001, Prompt NRC Notification
- 5.1.8 EPP-2080-ERO-002, Emergency response Organization Notification System Activation and Testing

5.2 Writing References:

5.2.1 Source References:

- a. Cook Nuclear Plant Emergency Plan
- b. SPP-2060-SFI-203, Security Actions During Emergency Conditions

5.2.2 General References

- a. Michigan Emergency Management Plan
- b. NRC Regulatory Issue Summary, RIS-2002-21
- c. NRC Regulatory Issue Summary, RIS-2004-13
- d. NRC Bulletin 2005-02

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Attachment 1	Protective Action Recommendations	Pages: 13 - 16	

NOTE: In selecting a PAR, consider the radiological release characteristic (continuous release due to the event, which cannot be controlled, vice a short-term “puff” release that can be controlled/stopped – e.g., containment pressure relief).

NOTE: DO NOT revise protective actions such that protection is reduced for areas already addressed in previously issued PARs. For example, if evacuation was recommended for Area 1 in a previous PAR, do not revise this recommendation to sheltering for Area 1 in any subsequent PAR.

1 PAR Development

1.1 Proceed through a flowchart in this attachment to develop a PAR.

- The first PAR is developed using the “Initial Protective Action Recommendation” flowchart.
- All PARs after the first are developed using the “Follow up Protective Action Recommendation” flowchart.

2 Issuing a PAR

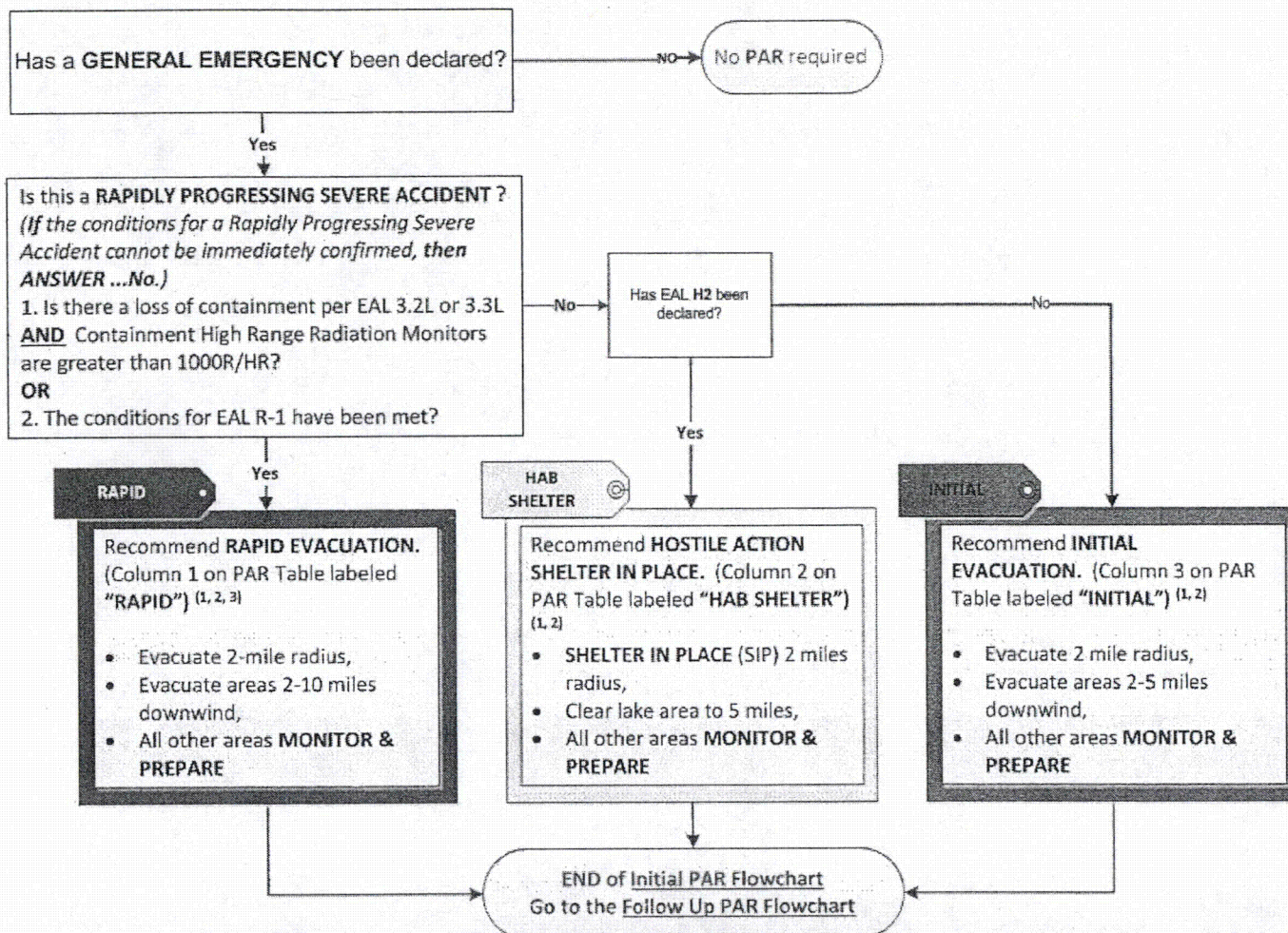
2.1 After a PAR is developed, SEC judgment should be applied as necessary in altering the PAR from that determined by use of the flowchart.

2.2 Ensure that the appropriate PAR boxes are checked on the EMD-32a form.

2.3 Ensure that the GE and PAR are verbally transmitted to the State, and that the EMD-32a (and EMD-32b, if GE is due to dose considerations) is/are transmitted to offsite agencies per Attachment 8, within 15 minutes of the GE/PAR declaration, or PAR change.

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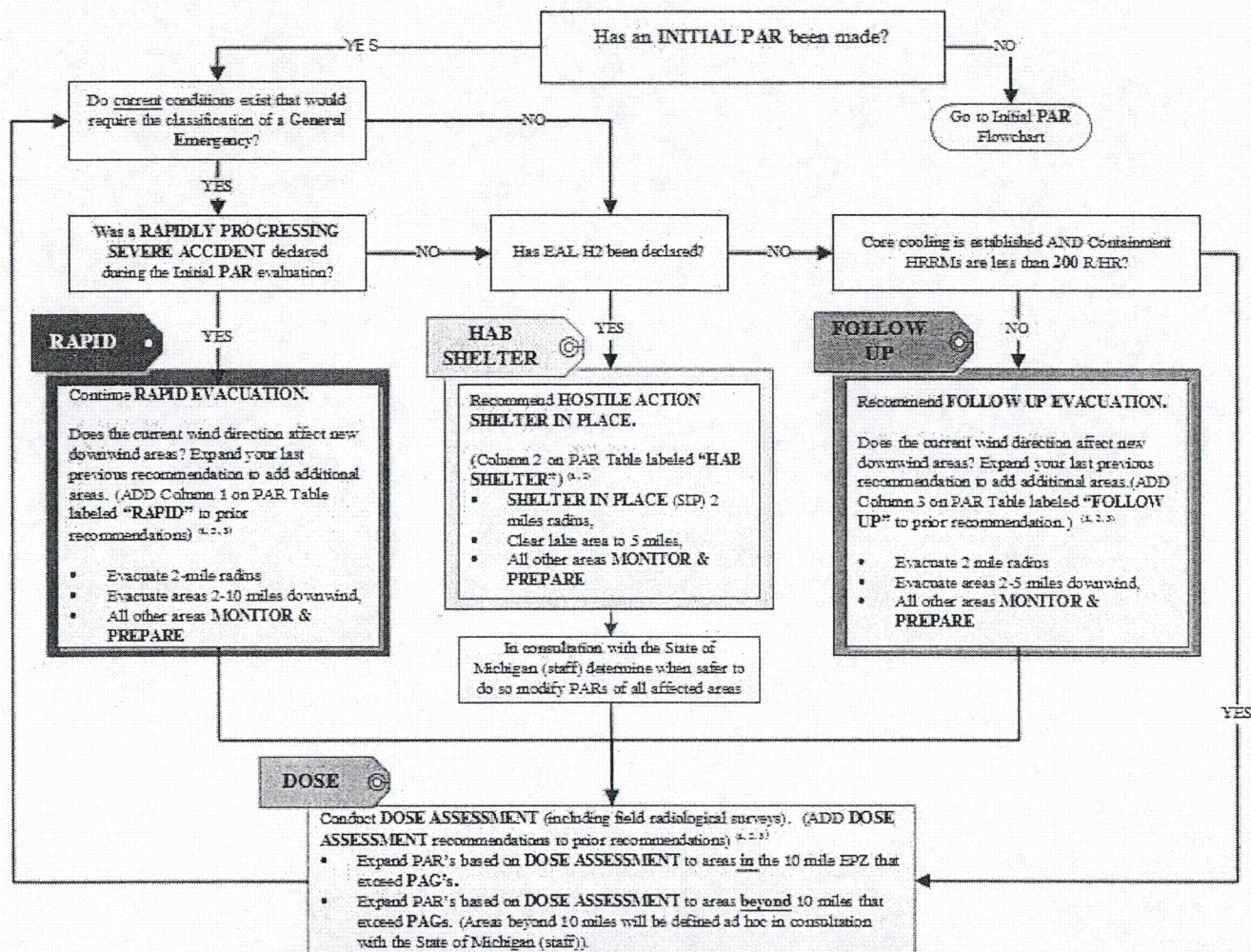
Initial - Protective Action Recommendations



INITIAL PAR TABLE			
Wind Direction (from)	RAPID	HAB	INITIAL
168.75 to 213.75	Area 1, 2, 4, and clear lake areas 6 & 7	Area 1 and clear lake Area 6	Area 1, 2 and clear lake area 6
213.75 to 236.25	Area 1, 2, 3, 4 and clear lake areas 6 & 7		Area 1, 2, 3, and clear lake area 6
236.25 to 303.75	Area 1, 2, 3, 4, 5 and clear lake areas 6		Area 1, 2, 3 and clear lake area 6
303.75 to 348.75	Area 1, 3, 5 and clear lake area 6		Area 1, 3 and clear lake area 6
348.75 to 56.25	Area 1, 3, 5 and clear lake areas 6 & 7		Area 1, 3 and clear lake area 6
56.25 to 168.75	Area 1, and clear lake areas 6 & 7		Area 1 and clear lake area 6
Notes: 1. Lake areas are "cleared" for either evacuation or sheltering. 2. Area 6 is the lake area at 0 to 5 mile radius; Area 7 is the lake area 5 to 10 mile radius. 3. IF Impediments exist as determined by the Offsite Response Organizations, the ORO may shelter in place.			

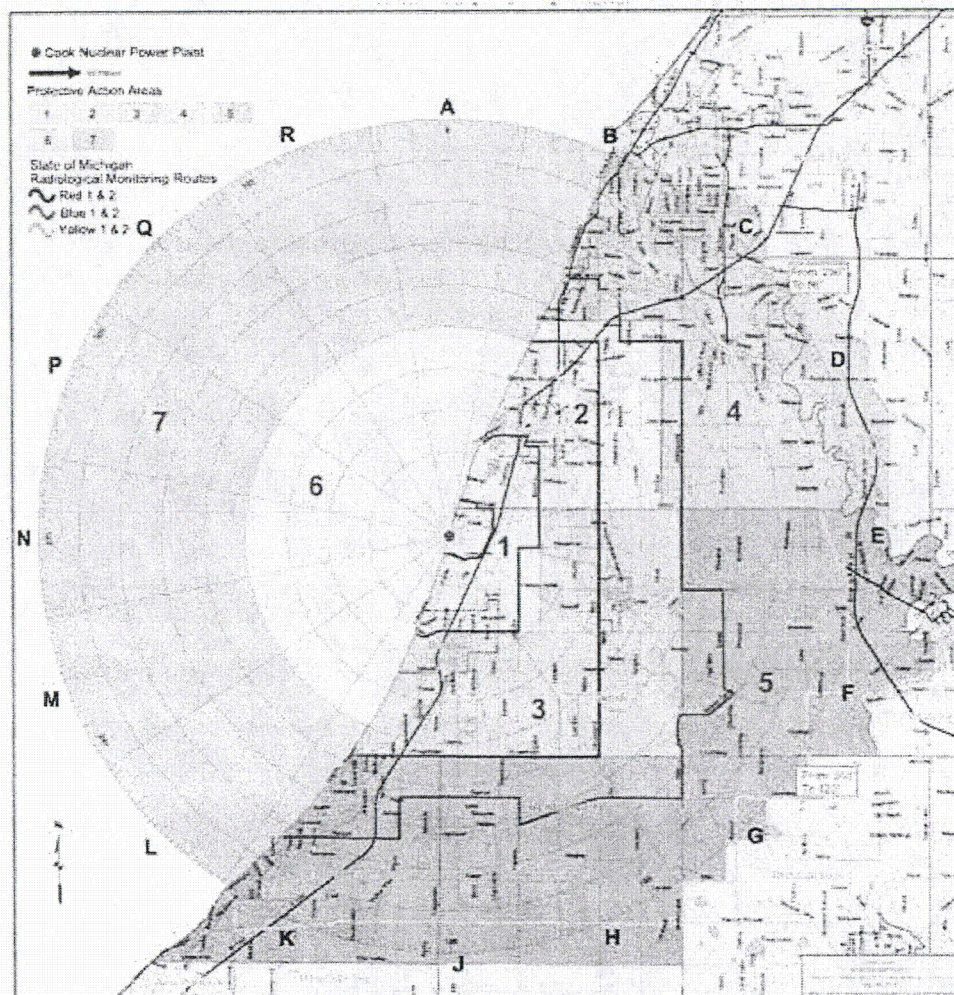
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Follow Up - Protective Action Recommendations



FOLLOW UP PAR TABLE			
Wind Direction (from)	RAPID	HAB	FOLLOW UP
168.75 to 213.75	Area 1, 2, 4, and clear lake areas 6 & 7	Area 1 and clear lake Area 6	Area 1, 2 and clear lake area 6
213.75 to 236.25	Area 1, 2, 3, 4 and clear lake areas 6 & 7		Area 1, 2, 3, and clear lake area 6
236.25 to 303.75	Area 1, 2, 3, 4, 5 and clear lake areas 6		Area 1, 2, 3 and clear lake area 6
303.75 to 348.75	Area 1, 3, 5 and clear lake area 6		Area 1, 3 and clear lake area 6
348.75 to 56.25	Area 1, 3, 5 and clear lake areas 6 & 7		Area 1, 3 and clear lake area 6
56.25 to 168.75	Area 1, and clear lake areas 6 & 7		Area 1 and clear lake area 6
Notes: 1. Lake areas are "cleared" for either evacuation or sheltering. 2. Area 6 is the lake area at 0 to 5 mile radius; Area 7 is the lake area 5 to 10 mile radius. 3. IF Impediments exist as determined by the Offsite Response Organizations, the ORO may shelter in place.			

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Reference 3 EPA PAG TABLE ^a			
Protective Action Response	PAG (projected dose)	Comments	Michigan Application
Sheltering-in-place or evacuation of the public ^b	1 to 5 rem (10 mSv to 50 mSv) over four days ^c	Evacuation (or, for some situations, sheltering-in-place) should be initiated when projected dose is 1 rem (10 mSv).	Facility operators will recommend evacuation at 1 rem, sheltering in place is the prerogative of the State of Michigan
Supplementary administration of prophylactic drugs – KI ^d	5 rem (50 mSv) projected dose to child thyroid from exposure to iodine ^e	KI is most effective if taken prior to exposure. May require approval of state medical officials (or in accordance with established emergency plans).	The state of Michigan will implement its KI plan; facility operator's recommendation is implicit in dose estimation data.
^a Should begin at 1 rem (10 mSv) except when practical or safety considerations warrant using 5 rem (50 mSv); take whichever action (or combination of actions) that results in the lowest exposure for the majority of the population. Sheltering may begin at lower levels if advantageous. ^b Calculated dose is the projected sum of the effective dose from external radiation exposure (i.e., groundshine) and the committed effective dose from inhaled radioactive material. ^c Provides thyroid protection from radioactive iodines only. For other information on radiological prophylactics and treatment, refer to http://www.fda.gov/Drugs/EmergencyPreparedness/BioterrorismandDrugPreparedness , http://www.emergency.cdc.gov/radiation or http://www.orau.gov/reacts . ^d Thyroid equivalent dose (see Section 2.3.5). ^e Information for this table is derived from "Table 2-1. PAGs and Protective Actions for the Early Phase of a Radiological Incident, from the 2012 PAG Manual"			

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Attachment 2	Activation of ERONS	Pages: 17 - 18	

NOTE: SEC judgment is used to determine which scenario will be used.

- 1 **IF** an Alert or higher classification has been declared, **OR** if the ERO is needed at a UE per SEC discretion, **THEN** activate the ERONS.

NOTE: ERONS can be activated using any plant computer with internet access.

- 1.1 To activate ERONS:

- Click the Everbridge icon on the desk top.
OR
- Log in to Everbridge by entering the web address, <https://manager.everbridge.net>
OR
- **IF** computer activation is not successful **THEN** call Everbridge at 8-1-818-230-9797 or 8-1-877-220-4911. A person will answer. Explain why you are calling and the actions the Everbridge person should take.

- 1.2 Enter **User Name** (erons)

- 1.3 Enter **Password** (located in ERO brief case) and Click **Sign In**.

NOTE: 1) Code "911" scenario will direct ERO responders to their respective facilities in the TSC, OSC, EOF, and ENC/JIC.

2) Code "007" scenario, will direct ERO responders to report to the Buchanan Office Building if it is determined to be unsafe to report to the plant site. The EOF will activate and the alternate TSC and OSC will be manned. Personnel will remain in Buchanan pending further instructions by the SEC or ED.

- 1.4 To start a scenario, click on the **Notifications** tab at the top of the page.

- 1.5 Click on the **Templates** header to bring up a list of preprogrammed scenarios.

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Attachment 2	Activation of ERONS	Pages: 17 - 18	

NOTE:

Dashboard Universe Notifications Contacts Reports Settings

Send Notification Form

Any & Subject

Notifications

New Notification

Activity History Scheduled Templates Message Library

Send

Published Title	Type	Category	Creation	Created By	Contacts?
<input type="checkbox"/> Weekly FORT Notification System Turnover Test	Standard	FORT Weekly Test	2013-09-05 12:49:57 CDT	Robert Sevar	
<input type="checkbox"/> FORT Activation	Standard	FORT Activation	2013-09-05 12:45:13 CDT	Robert Sevar	
<input type="checkbox"/> Training on Pager Activation	Standard	Pager Test	2013-09-05 12:43:46 CDT	Robert Sevar	
<input type="checkbox"/> Unannounced Drill	Standard	Unannounced Drill	2013-09-05 12:41:40 CDT	Robert Sevar	
<input type="checkbox"/> ERO Announced Drill	Standard	ERO Announced Drill	2013-09-05 12:39:17 CDT	Robert Sevar	
<input type="checkbox"/> 007 Security Threat	Standard	007	2013-09-05 12:35:43 CDT	Robert Sevar	
<input type="checkbox"/> 911 Actual Emergency	Standard	911	2013-09-05 12:33:19 CDT	Robert Sevar	
<input type="checkbox"/> Weekly ERO Notification System Turnover	Standard	Weekly ERO Turnover	2013-09-05 12:22:04 CDT	Robert Sevar	

Page: 1 of 1

- 1.6 Click on the box to the left of the scenario that is desired.
- 1.7 Click **Send** (located close to the top of the screen).
- 1.8 A message will popup asking if you want to add this to an event. Click **"No, send as individual notifications"**.

NOTE: After a Notification is sent the screen automatically goes back to the Notifications Tab where the last notification sent out is shown with the time it was sent.

- 1.9 Click **Send** (located close to the bottom of the screen). Notifications have been sent.
- 1.10 **IF** computer activation is not successful **THEN** call Everbridge at 8-1-818-230-9797 or 8-1-877-220-4911. Person will answer. Explain why you are calling and the actions the Everbridge person should take.

Reference	PMP-2080-EPP-100	Rev. 32	Page 19 of 61
Emergency Response			
Attachment 3	Dismissal of Non-Essential Personnel	Pages: 19 - 20	

NOTE: SEC judgment should be used in making the decision to dismiss non-essential personnel from the site. Events where dismissal should strongly be considered are rapidly degrading conditions (core damage is occurring or imminent), large fire, or other conditions which, in the judgment of the SEC warrants such dismissal.

- 1 **IF** hazardous conditions are occurring or imminent AND no further hazard would be introduced by the dismissal of non-essential personnel, **THEN** dismiss all non-essential personnel from the site.

NOTE: Personnel assisting the ERO (such as a Failure Investigation Process (FIP) Team) should be Radworker qualified (i.e., have a TLD).

- 1.1 **IF** personnel may be needed to assist the ERO (e.g., FIP Team), **THEN** arrange for utilization of such personnel. SEC judgment should be used in determining the type and amount of non-essential help that is needed.
- 1.2 **IF** radiological conditions may impact dismissal of non-essential personnel (e.g., radiological release in progress), **THEN**, contact RP for assistance/guidance in dismissal route, and other considerations as applicable.
- 1.3 Contact the Security Shift Supervisor (2005 or 2731) to coordinate the dismissal of non-essential personnel from site. Discuss:
 - Whether or not rapid egress is required (e.g., airborne attack)
 - Route to be used for dismissal (e.g. vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.).
 - **IF** using the Livingston Road route, **THEN** contact Security to unlock the gates.
- 1.3.1 Instruct the Security Shift Supervisor to carry out agreed upon method of egress using specific route, and to inform personnel in the Owner-Controlled Area to leave the site.

Reference	PMP-2080-EPP-100	Rev. 32	Page 20 of 61
Emergency Response			
Attachment 3	Dismissal of Non-Essential Personnel	Pages: 19 - 20	

1.3.2 Instruct the Security Shift Supervisor to inform the SM/SEC when dismissal of Non-Essential Personnel has been completed. _____

1.4 Inform both Control Rooms of the decision to dismiss non-essential personnel and how dismissal will be accomplished (normal or rapid egress, with specific route to be used). _____

1.5 Determine if the Unit 1 and/or Unit 2 Containment Evacuation Alarm should be sounded. _____

1.5.1 Sound the Containment Evacuation Alarm(s), if required. _____

1.6 Direct an operator to make PA announcement for dismissal of all non-essential personnel. Make the same announcement two times. _____

1.6.1 **IF** normal egress is to be used, **THEN** make the following announcement two times. Modify the announcement if an alternate route (Livingston Road) is used: _____

“Attention all personnel. Attention all personnel. Due to the current plant conditions, all non-essential personnel are requested to leave the plant site at this time using the main plant access road.”

a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646. _____

1.6.2 **IF** rapid egress is to be used, **THEN** make the following announcement two times: _____

“Attention all personnel. Attention all personnel. Due to the current plant conditions, all non-essential personnel are requested to leave the plant site, using (specify Security portal, including location, e.g., “vehicle portal near the North Access Building”) and exiting the site using (State the route).”

a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646, omitting the “using Security portal” statement. _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 21 of 61
Emergency Response			
Attachment 4	Accountability		Pages: 21 - 25

NOTE: During some postulated events, assembly & accountability, may pose a greater danger than directing a rapid egress of personnel from the Protected Area, or directing personnel to remain in their work areas. SEC discretion, with input from Security personnel when necessary, should be used in the decision to perform accountability and/or evacuation under these conditions.

1 Review the three methods of Accountability below:

- 1.1 Primary Method – using this method, all plant personnel and ERO members not on duty within the Protected Area will proceed to an Assembly Area located in the Office Building and Service Building and swipe their security badges at one of the associated Accountability Card Readers.
- Personnel will remain in the Assembly Areas until evacuated per SEC direction.
 - A list of missing individuals will be generated by Security 30 minutes from the time accountability is ordered (i.e., NEA is sounded).
- 1.2 Alternate Method – using this method, and under direction from the Security Shift Supervisor all non-ERO individuals within the Protected Area will exit through a Security Portal (e.g., vehicle portal near North Access Building) selected by Security per conditions at the time.
- This method allows for rapid egress of personnel from the Protected Area because exit card readers/turnstiles may be bypassed.
 - In this method, individuals may be required to relinquish their security badges so that Security personnel can account for them and verify their leaving the Protected Area.
 - This method should only be used under extreme circumstances where assembly and accountability may pose a greater hazard to personnel than rapid evacuation.

Reference	PMP-2080-EPP-100	Rev. 32	Page 22 of 61
Emergency Response			
Attachment 4	Accountability	Pages: 21 - 25	

- The Security Director will determine which route will be used for dismissal (e.g. vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.).
 - **IF** radiological conditions may impact dismissal of non-essential personnel (e.g., radiological release in progress), **THEN**, contact RP for assistance/guidance in dismissal route, and other considerations as applicable.
- **IF** using the Livingston Road route, **THEN** contact Security to unlock the gates.

1.3 No Accountability – under some Security events Accountability may be delayed (or omitted entirely) per SEC discretion (e.g., security event in a vital area – intrusion by a hostile force).

2 Contact the Security Shift Supervisor (2005 or 2731) to consult about which method of accountability should be used.

2.1 Choose which of the accountability methods will be used, Primary, Alternate, or No Accountability and inform the Shift Security Supervisor.

2.1.1 **IF** using the Primary Method of accountability, **THEN** request that Security:

- Prepare for accountability.
 - Commence evacuation of the Owner Controlled Area outside of the Protected Area.
- a. GO TO Step 3.

Reference	PMP-2080-EPP-100	Rev. 32	Page 23 of 61
Emergency Response			
Attachment 4	Accountability		Pages: 21 - 25

NOTE: RP should be consulted for input on best means of egress from the Protected Area/Site if a radiological release is in progress or imminent.

2.1.2 **IF** using the Alternate Method of accountability, **THEN** request that Security initiate the alternate method of accountability.

- a. Coordinate with the Security Shift Supervisor (and RP, if a radiological release is imminent or in progress) as to which Security Portal(s) will be used for Protected Area evacuation.
- b. Request that the Owner-Controlled area also be evacuated.

3 Contact Personnel Inside the Protected Area.

3.1 **IF** using the Primary Method of Accountability, **THEN** direct an Operator to perform the following:

- Sound the Unit 1 and Unit 2 Containment Evacuation Alarm.
- Sound the Nuclear Emergency Alarm.
- Make a Public Address announcement for personnel to report for accountability. Make the announcement two times. An example of this announcement is:

“Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Report to an Assembly Area located in the Office Buildings or Service Building for accountability at this time. Use an accountability card reader and then remain in the area for further announcements.”

IF the ERFs have not already been activated, **THEN** make the following announcement two times:

“Attention all personnel. Attention all personnel. Activate the Technical Support Center, Operations Support Center, Emergency Operations Facility, and Joint Information Center.”

- a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

Reference	PMP-2080-EPP-100	Rev. 32	Page 24 of 61
Emergency Response			
Attachment 4	Accountability		Pages: 21 - 25

3.2 IF using the Alternate Method of Accountability, THEN direct an Operator to perform the following:

- Sound the Unit 1 and Unit 2 Containment Evacuation Alarm.
- Sound the Nuclear Emergency Alarm.
- Make a Public Address announcement for personnel to use the alternate method of accountability. Make the same announcement two times. An example of this announcement is:

“Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Due to the current plant conditions, all non-essential personnel are requested to leave the plant site, using (specify Security portal, including location, e.g., “vehicle portal near the North Access Building”) and exiting the site using (State the route) .”

3.2.1 IF the ERFs have not already been activated and the ERF code of 911 was used, THEN make the following announcement two times:

“Attention all personnel. Attention all personnel. Activate the Technical Support Center, Operations Support Center, Emergency Operations Facility, and Joint Information Center.

3.2.2 IF the ERFs have not already been activated and the ERF code of 7 was used, THEN make the following announcement two times:

“Attention all personnel. Attention all personnel. ERO members proceed to the Buchanan Office Building and activate the Emergency Operations Facility and the Joint Information Center.

3.2.3 Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

3.3 IF the No Accountability Method is used, THEN DO NOT sound the NEA, Containment Evacuation Alarms, or make a public address announcements.

3.3.1 Direct any necessary announcements per Security Shift Supervisor guidance as necessary for protection of on site personnel.

Reference	PMP-2080-EPP-100	Rev. 32	Page 25 of 61
Emergency Response			
Attachment 4	Accountability		Pages: 21 - 25

4 Perform follow-up actions.

4.1 IF the Primary Method of Accountability was used, THEN

- Obtain a list of missing personnel from Security (this list should be provided 30 minutes following the sounding of the NEA. _____
- Coordinate with Security to locate any missing individuals. _____

4.2 IF the Alternate Method of Accountability was used, THEN

- Obtain a list of missing personnel from Security upon completion of the manual accountability (this will take longer than 30 minutes). _____
- Coordinate with Security to locate any missing individuals. _____

4.3 IF the No Accountability Method was used, THEN take any necessary follow-up actions when conditions warrant. Examples of the follow-up actions include:

- After hostile force has been neutralized, SEC may choose to perform accountability (per Primary or Alternate Method). _____
- Coordinate with Security to locate any missing personnel. _____
- Public Address announcements as necessary. _____
- Dismissal or evacuation of personnel as necessary. _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 26 of 61
Emergency Response			
Attachment 5	Evacuation	Pages: 26 - 29	

NOTE: During some postulated events, evacuation may pose a greater danger than sheltering personnel within buildings. Under other events, rapid egress from the Protected Area and evacuation of the site is prudent. SEC discretion, with input from Security and/or RP personnel as applicable, should be used in the decision whether to evacuate under these conditions.

- 1 Determine If Evacuation Should Be Performed. Evacuation is performed at a SAE (or GE, if SAE was not entered).
- 1.1 IF a security event is in progress in which evacuation could cause personnel harm (e.g., hostile force in a vital area), THEN SEC should shelter personnel within work areas, or as recommended by Security, rather than evacuation.
 - 1.1.1 Coordinate with Security (1118, 1119, 2005 or 2731) in taking protective measures as necessary for plant personnel.
 - 1.1.2 WHEN the security event has been terminated (i.e., hostile force has been neutralized, THEN GO to Step 2.
- 1.2 IF a radiological release is in progress, THEN consult with RP in determining whether evacuation should be delayed.
- 1.3 IF no new hazards would be introduced by evacuation, THEN evacuate personnel per Step 2.
- 1.4 IF offsite agency personnel (e.g., National Guard, MSP, etc. are stationed in the Owner Controlled Area, THEN determine if these personnel should be evacuated or if they will remain on site.
 - Take appropriate actions (e.g., evacuate, shelter, relocate on site, issue dosimetry, etc.) as necessary to protect the offsite agency personnel.

Reference	PMP-2080-EPP-100	Rev. 32	Page 27 of 61
Emergency Response			
Attachment 5	Evacuation	Pages: 26 - 29	

NOTE: Beach evacuation routes are pedestrian routes and should only be considered as a last resort, and only for those individuals that are able to walk over rugged terrain.

2 Site Evacuation

2.1 Rapid Egress

2.1.1 **IF** an event is in progress in which rapid evacuation of the Protected Area is necessary (e.g., airborne attack threat), **THEN** implement such evacuation by using the Rapid Egress Method.

- a. Contact the Security Shift Supervisor (2005 or 2731) to initiate Rapid Egress of the Protected Area.
 - Coordinate with the Security Shift Supervisor (and RP, if available, if a radiological release is imminent or in progress) as to which Security Portal(s) and evacuation route "(e.g., vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.) will be used for Protected Area evacuation.
 - **IF** using the Livingston Road route, **THEN** contact Security to unlock the gates.
 - Request that the Owner Controlled Area also be evacuated.
 - Instruct the Security Shift Supervisor to notify the SEC when evacuation of the Protected Area is complete.
 - Instruct the Security Shift Supervisor to notify the SEC when evacuation of the Owner Controlled Area is complete.

Reference	PMP-2080-EPP-100	Rev. 32	Page 28 of 61
Emergency Response			
Attachment 5	Evacuation	Pages: 26 - 29	

- b. Direct an Operator to make the following announcements for personnel to exit the Protected Area per designated Security Portal(s). Modify the announcement if an alternate route (Livingston Road) is used and as conditions warrant. Make the same announcement two times.

“Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Due to the current plant conditions, all non-essential personnel are requested to exit the Protective Area using (specify Security portal, including location, e.g., ‘vehicle portal near the North Access Building’) and leave the site using (State the route) .”

- c. Direct an Operator to make the following announcements in the Training Building, NEST and Buchanan Office Building by dialing 1646. Modify the announcement if an alternate route is used (Livingston Road), and as conditions warrant.

“Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Due to the current plant conditions, all non-essential personnel are requested to leave the site using (State the route) .”

2.2 Normal Egress

- 2.2.1 **IF** normal egress from the Protected Area will be used for evacuation (North Access turnstiles), **THEN** contact the Security Shift Supervisor (2005 or 2731) to initiate evacuation.

- Coordinate with the Security Shift Supervisor (and RP, if a radiological release is imminent or in progress) as to which evacuation route “(e.g., vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.) will be used for evacuation.
- Request that the Owner Controlled Area also be evacuated.
- Instruct the Security Shift Supervisor to notify the SEC when evacuation of the Protected Area is complete.

Reference	PMP-2080-EPP-100	Rev. 32	Page 29 of 61
Emergency Response			
Attachment 5	Evacuation	Pages: 26 - 29	

- Instruct the Security Shift Supervisor to notify the SEC when evacuation of the Owner Controlled Area is complete.

2.3 Take any necessary follow-up actions.

- 2.3.1 IF pedestrian routes were used for evacuation, THEN coordinate with the EOF (if activated) or the Berrien County EOC to arrange for transportation for evacuees.
- 2.3.2 IF pedestrian routes were used for evacuation, THEN coordinate with the EOF to arrange for an alternate means of evacuation for those who were unable to evacuate OR shelter affected individuals in a safe area as designated by the SEC.

Reference	PMP-2080-EPP-100	Rev. 32	Page 30 of 61
Emergency Response			
Attachment 6	Terminating a UE		Pages: 30

1 UE Termination

1.1 **IF** the conditions for the UE no longer exist, and no escalation of classification is expected, **THEN** perform the following:

1.1.1 Instruct operators to inform the MSP and BCSD that the event is terminated. _____

1.1.2 Instruct operators to:

- Fax a final EMD-32a form (with the current classification check box marked *Termination*) to MSP and BCSD. _____
- Verify that the form was received by the State and County. _____
- Notify the NRC (Red Phone – NRC Operations Center) that the emergency is terminated. _____

1.2 Inform both Control Rooms that the event is terminated. _____

1.3 Inform Security that the event is terminated (1118, 1119, 2005 or 2731). _____

1.4 Direct an operator to make a public address announcement that the UE has been terminated per the SEC. _____

2 Collection of Data

2.1 Provide for collection of data, paperwork, etc. related to the event and forward to Emergency Preparedness for disposition. _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 31 of 61
Emergency Response			
Attachment 7	Notification of On-Site Personnel	Pages: 31 - 34	

1 Notify Security

1.1 Inform the Security Shift Supervisor (ext. 2005 or 2731) or SAS Operator (ext. 1118 or 1119) of the initial emergency classification or classification upgrade. _____

1.1.1 **IF** an UE, **THEN** instruct Security to notify personnel as prescribed in Section 5 of the ERO Phone Directory. _____

a. Contact Time _____

1.1.2 **IF** an Alert, **THEN** instruct Security to notify personnel as prescribed in Section 5 of the ERO Phone Directory. _____

a. Contact Time _____

1.1.3 **IF** a SAE, **THEN** instruct Security to:

- Ready the Security Computer for accountability and prepare for subsequent evacuation. _____
- Notify personnel as prescribed in Section 5 of the ERO Phone Directory (if not already performed for this emergency). _____

a. Contact Time _____

1.1.4 **IF** a GE, **THEN** instruct Security to:

- Ready the Security Computer for accountability and prepare for subsequent evacuation (if not already performed for this emergency). _____
- Notify personnel per instructions in the ERO Phone Directory (if not already performed for this emergency). _____

a. Contact Time _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 32 of 61
Emergency Response			
Attachment 7	Notification of On-Site Personnel	Pages: 31 - 34	

1.1.5 IF conditions at the plant are such that personnel reporting to the plant would be at risk (e.g., security event, radiation release, toxic spill, etc.), THEN direct Security to close access to the plant until the SEC determines that the condition no longer exists. _____

a. Contact Time _____

2 Notify Chemistry and RP Technicians of the initial emergency classification. _____

2.1 Chemistry Contact Time _____

2.2 RP Contact Time _____

3 Make Public Address Announcements _____

CAUTION: PA announcements should not be made for some ICs (EALs) due to their sensitive nature. IF any of the H-2, Security ICs (EALs) have been used to classify the current event, THEN obtain SEC permission before making any PA announcements or sounding the NEA.

NOTE: PA announcements to perform Accountability, Attachment 4, and Evacuation, Attachment 5, are performed only once per event.

3.1 Direct an operator to make a PA announcement for the current classification. Make the announcement two times. Modify announcements below as conditions warrant. _____

3.1.1 IF in a UE, THEN make the following announcement two times:

“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.” _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 33 of 61
Emergency Response			
Attachment 7	Notification of On-Site Personnel	Pages: 31 - 34	

- a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646. _____
- b. Time announcements completed _____

3.1.2 **IF** in an Alert, **THEN** make the following announcement two times:

“Attention all personnel. Attention all personnel. An Alert has been declared due to _____ (brief description) _____.”

- **IF** emergency facilities are not already activated, **THEN** continue the announcement with:

“Activate the Operations Support Center, Technical Support Center, Emergency Operations Facility, and the Emergency News Center. All other personnel stand by for further announcements.” _____

- a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646. _____
- b. Time announcements completed _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 34 of 61
Emergency Response			
Attachment 7	Notification of On-Site Personnel	Pages: 31 - 34	

NOTE: Accountability is performed per Attachment 4, Accountability.

3.1.3 **IF** in a SAE **AND** accountability has already been performed per main body of procedure step 3.2.8, **THEN** make the following announcement two times:

- **“Attention all personnel. Attention all personnel. A Site Area Emergency has been declared due to (brief description).”**

1. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

2. Time announcements completed _____

3.1.4 **IF** in a SAE **AND** accountability has NOT been performed, **THEN** perform accountability in accordance with Attachment 4, Accountability.

3.1.5 **IF** in a GE **AND** accountability has already been performed per main body of procedure step 3.2.8, **THEN** make the following announcement two times:

- **“Attention all personnel. Attention all personnel. A General Emergency has been declared due to (brief description).”**

1. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

2. Time announcements completed _____

3.1.6 **IF** in a GE **AND** accountability has NOT been performed, **THEN** perform accountability in accordance with Attachment 4, Accountability.

Reference	PMP-2080-EPP-100	Rev. 32	Page 35 of 61
Emergency Response			
Attachment 8	Notification of Off-Site Agencies		Pages: 35 - 39

1 Accelerated Notifications to the NRC for Security Events.

1.1 IF the emergency is due to a security event AND the NRC has not yet been contacted, THEN:

1.1.1 Call the NRC Operations Center on the NRC "Red Phone" (FTS-2000 phone) by dialing 1-301-816-5100. _____

1.1.2 Provide an accelerated verbal notification, without hard copy, to the NRC with the following information: _____

- Site Name
- Emergency Classification, if determined.
- Nature of the threat (briefly describe)
 - Type of attack (e.g., armed assault by land, water, or aircraft)
 - Attack status (i.e., imminent, in progress, or repelled)

Reference	PMP-2080-EPP-100	Rev. 32	Page 36 of 61
Emergency Response			
Attachment 8	Notification of Off-Site Agencies	Pages: 35 - 39	

NOTE: Notification to offsite authorities (State and County) must be completed within 15 minutes of classification.

2 Completing EMD-32 Form

- 2.1 Direct a licensed operator to complete Michigan State Police forms EMD32a and EMD-32b.

NOTE: PARs are developed using Attachment 1, Protective Action Recommendations.

Caution: Completion of a manual hard copy EMD-32 a and/or b form is required when an emergency has been declared and there is no radiological release in progress due to the event. Manual hard copies are developed using Attachment 12, "Manual Completion of EMD Forms".

- 2.1.1 **IF** a release is in progress due to the event, **THEN** coordinate with personnel performing dose assessment per PMP-2080-EPP-108, Initial Dose Assessment, for completion of EMD-32 form(s).

NOTE: An EMD-32a is required within 15 minutes of:

- An initial event classification, or
- A change of classification, or
- A change of PAR

- 2.1.2 **IF** there is NOT a release in progress due to the event **THEN** complete an EMD-32a form for the classification and/or PAR using Attachment 12, "Manual Completion of EMD Forms".

Reference	PMP-2080-EPP-100	Rev. 32	Page 37 of 61
Emergency Response			
Attachment 8	Notification of Off-Site Agencies	Pages: 35 - 39	

NOTE: An EMD-32b is required to be transmitted with the EMD32a if:

- A General Emergency has been declared, or
- There is a PAR change is due to dose

An EMD-32b is required within 30 minutes of the previous EMD-32

- 2.1.3 IF there is NOT a release in progress due to the event THEN complete an EMD-32b form using Attachment 12, "Manual Completion of EMD Forms". _____
- 2.1.4 Performance of a new EMD-32a is required within 15 minutes of each subsequent classification upgrade.
- 2.1.5 IF a PAR or change in PAR is based on Dose Calculations, THEN an EMD-32b, Nuclear Plant Event Technical Data sheet must accompany the EMD-32a, Nuclear Plant Event Notification form.
- 2.1.6 Obtain the SM/SECs "Plant Approval" signature on the form(s). _____
- 2.1.7 Make copies of the form(s) as necessary for offsite notification phone communicators.

Reference	PMP-2080-EPP-100	Rev. 32	Page 38 of 61
Emergency Response			
Attachment 8	Notification of Off-Site Agencies	Pages: 35 - 39	

NOTE: Alternate phones/extension may be used, at the discretion of the Unit Supervisor, or designee as conditions warrant.

3 Phone Contacts and Faxes (usually performed by AEOs)

- 3.1 Setup the Emergency Plan telephones (located in the "E-Plan" suitcase) in the back of the Control Room (if not already performed). _____
- 3.2 Direct contact with the MSP using Attachment 9, MSP Notification. _____
- 3.3 Direct contact with the BCSD using Attachment 10, Berrien County Sheriff Notification. _____

NOTE: Offsite agencies may wish to maintain constant communications with the Control Room until the EOF is activated.

- 3.4 Direct that the signed EMD-32 form(s) are faxed to MSP using Attachment 9, MSP Notification _____
- 3.5 Direct that the signed EMD-32 form(s) are faxed to BCSD using Attachment 10, Berrien County Sheriff Notification. _____
- 3.6 Direct that the NRC Operations Center is called on the NRC "Red Phone" Attachment 11, NRC Notification. _____

4 Follow Up Notifications

- 4.1 **UNLESS** the State of Michigan has been notified in advance of a delay or change in frequency, **THEN** direct a licensed operator to complete an EMD-32b form at least every 30 minutes, (commencing 30 minutes from initial notification) per step 2.1.

Reference	PMP-2080-EPP-100	Rev. 32	Page 39 of 61
Emergency Response			
Attachment 8	Notification of Off-Site Agencies	Pages: 35 - 39	

4.2 **IF** there is no release in progress due to the event **THEN** complete a hard copy EMD-32b form, per Attachment 12.

- The EMD-32b, Release/Offsite Dose Data sections are only required to be completed if there is a release in progress due the event or one is suspected to be occurring.
- The EMD-32b, Measured Offsite Radiation Levels section only needs to be completed when data is available.

4.3 **IF** a release is in progress due to the event **THEN** coordinate with personnel performing dose assessment per PMP-2080-EPP-108, Initial Dose Assessment, for completion of EMD-32b.

4.4 Direct that the appropriate phone calls and faxes are completed per section 3 of this Attachment.

Reference	PMP-2080-EPP-100	Rev. 32	Page 40 of 61
Emergency Response			
Attachment 9	MSP Notification	Pages: 40 - 42	

- NOTE:**
- Declaration of an emergency requires the notification of the Michigan State Police within 15 minutes.
 - Offsite agencies may wish to maintain constant communications with the Control Room until the EOF is activated.

1 Contact:

- MSP at 8-1-517-241-8000. (Alternate number 8-1-517-334-6223) using the MSP bridge phone (ext 1088) in the back of the Control Room.

NOTE: The phone is the primary means for communicating the EMD-32 information.

NOTE: An EMD-32a is required within 15 minutes of:

- The initial classification, or
- A change of classification, or
- A change of PAR

An EMD-32b is required within 30 minutes of the previous EMD-32b.

An EMD-32b is required to accompany an EMD-32a:

- if the declaration of a General Emergency is due to dose, or
- if a PAR change is due to dose

2 Provide the following to the MSP:

- Provide the information from the EMD-32 form.
- Obtain the officers/dispatcher's name and record on table.
- Inform the agency that the EMD-32 will be faxed.
- Request a callback (for authentication) and then hang up.

Reference	PMP-2080-EPP-100	Rev. 32	Page 41 of 61
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Attachment 9	MSP Notification	Pages: 40 - 42	

- For callback: MSP will callback to ext 1088 phone bridge. Phone will ring in the Control Room. Pick up phone when it rings.

OFF-SITE NOTIFICATION	PHONE NUMBER	CONTACT ESTABLISHED	EVENT CLOSEOUT
Michigan State Police	8-1-517-241-8000	_____/_____ Initials Time	_____/_____ Initials Time
Person Contacted	MSP Person Contacted: _____		
Call Back	Call Back / Bridge established: _____ Time		

- IF the MSP has additional questions THEN fill out Data Sheet 4, Request For Additional Information.
 - Write the question
 - Obtain the response and get approval
 - Provide the response to the MSP.

NOTE: Faxing the EMD-32 form(s) can be performed by either the MSP or BCSD communicator or other personnel as necessary.

3 Fax the signed EMD-32 form(s): _____

- Make sure that the form is signed by the Shift Manager. _____
- Orient the form(s), as shown on the fax machine, in either Control Room _____
- IF the EMD-32 have not already been faxed, THEN Push red Blast button to broadcast the form(s) to the State, County and ERFs. _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 42 of 61
Emergency Response			
Attachment 9	MSP Notification	Pages: 40 - 42	

- Push the start button _____
 - a. **IF** the broadcast feature does not work, **THEN** fax the form(s) individually to the following numbers: _____
 - MSP Operations Center: 8-1-517-241-6815
 - State EOC: 8-1-517-333-4987
 - BC EOC: 8-1-269-934-9023
 - b. **IF** the broadcast feature does not work **AND** the ERFs will be activated (at Alert or higher, or UE per SEC discretion), **THEN** also send EMD-32 form(s) to the following: _____
 - EOF: 8-284-2942
 - TSC: 2431
 - ENC/JIC: 8-284-5892
 - OSC: 2522
- 4 **WHEN** the EOF has established communication with the MSP, **THEN** the EOF will inform the Control Room that the EOF has taken over communications with the MSP. This may be done via the Boardwriter's or Manager's bridge. _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 43 of 61
Emergency Response			
Attachment 10	Berrien County Sheriff Notification	Pages: 43 - 45	

- NOTE:**
- Declaration of an emergency requires the notification of the BCSD within 15 minutes.
 - Offsite agencies may wish to maintain constant communications with the Control Room until the EOF is activated.
 - The dedicated phone line is connected between the Control Rooms, SAS, CAS, EOF, the County EOC and the 911 dispatcher's console.

1 Contact:

- BCSD by lifting and talking into the phone. The phone is part of a dedicated line that is connected directly with the 911 dispatcher. _____
- **IF** the dedicated line does not work, **THEN** contact the BCSD at 8-1-269-983-7141 and dial 4900 if the automated system answers.
- **IF** the dedicated line does not work, **THEN** request a callback (for authentication) and then hang up.
- For callback: dial extension 2316 and wait for the deputy to call into the phone bridge.

NOTE: The phone is the primary means for communicating the EMD-32 information.

2 Provide the following to the BCSD: _____

- Provide the information from the EMD-32 form.
- Obtain the officers/dispatcher's name and record on table.
- Inform the agency that the EMD-32 will be faxed.

Reference	PMP-2080-EPP-100	Rev. 32	Page 44 of 61
Emergency Response			
Attachment 10	Berrien County Sheriff Notification	Pages: 43 - 45	

OFF-SITE NOTIFICATION	PHONE NUMBER	CONTACT ESTABLISHED	EVENT CLOSEOUT
Berrien County Sheriff's Department	Dedicated phone line. (IF there is no response on the dedicated line, THEN dial 8-1-269-983-7141)	_____/_____ Initials Time	_____/_____ Initials Time
Person Contacted	BCSD Person Contacted: _____		
Call Back	Call Back / Bridge established: _____ Time		

- IF the BCSD has additional questions THEN fill out Data Sheet 4, Request For Additional Information.
 - Write the question
 - Obtain the response and get approval
 - Provide the response to the BCSD.

NOTE: Faxing the EMD-32 form(s) can be performed by either the MSP or BCSD communicator or other personnel as necessary.

3 Fax the signed EMD-32 form(s):

- Make sure that the form is signed by the Shift Manager. _____
- Orient the form(s), as shown on the fax machine, in either Control Room _____
- IF the EMD-32 have not already been faxed, THEN Push the red Blast button to broadcast the form(s) to the State, County and ERFs. _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 45 of 61
Emergency Response			
Attachment 10	Berrien County Sheriff Notification	Pages: 43 - 45	

- Push the start button _____
 - a. **IF** the broadcast feature does not work, **THEN** fax the form(s) individually to the following numbers: _____
 - MSP Operations Center: 8-1-517-241-6815
 - State EOC: 8-1-517-333-4987
 - BC EOC: 8-1-269-934-9023
 - b. **IF** the broadcast feature does not work **AND** the ERFs will be activated (at Alert or higher, or UE per SEC discretion), **THEN** also send EMD-32 form(s) to the following: _____
 - EOF: 8-284-2942
 - TSC: 2431
 - ENC/JIC: 8-284-5892
 - OSC: 2522
- 4 **WHEN** the EOF has established communication with the BCSD, **THEN** the EOF will inform the Control Room that the EOF has taken over communications with the BCSD. This may be done via the Boardwriter's or Manager's bridge. _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 46 of 61
Emergency Response			
Attachment 11	NRC Notification		Pages: 46 - 47

NOTE: The Operations NRC Communicator is normally stationed in the affected unit's Control Room.

NOTE: Declaration of an emergency requires notification of the NRC following notification of the state and county and in all cases must be completed within one hour.

1 Contact:

- **IF** 10 CFR 50.54 (X) and (Y) are invoked, **THEN** notify the NRC as per PMP-7030-001-001, Prompt NRC Notification. _____
- Call the NRC Operations Center on the NRC "Red Phone" (FTS-2000 phone) by dialing 1-301-816-5100. Alternate numbers are listed on the table below. _____
- Inform the NRC of the event in progress _____
- Provide the information on Data Sheet 3, Plant Status _____
 - **IF** the NRC has additional questions **THEN** fill out Data Sheet 4, Request For Additional Information.
 - Write the question
 - Obtain the response and get approval
 - Provide the response to the NRC. _____
- Ask the NRC for the Event Notification Number (EN). _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 47 of 61
Emergency Response			
Attachment 11	NRC Notification		Pages: 46 - 47

OFF-SITE NOTIFICATION	PHONE NUMBER	CONTACT ESTABLISHED	EVENT CLOSEOUT
NRC Operations Center	1-301-816-5100 1-301-951-0550 1-301-415-0553 8-1-301-816-5151 (FAX)	_____/_____ Initials Time	_____/_____ Initials Time
Person Contacted	NRC Person Contacted: _____ Continuous contact will be required for an Alert, Site Area Emergency of General Emergency.		
Event Notification Number	Ask NRC for the EN: _____ (Needed for Data Sheet 1 of PMP-7030-001-001, Prompt NRC Notification)		

- 2 **WHEN** the EOF has established communication with the NRC, **THEN** the EOF will inform the Control Room that the EOF has taken over communications with the NRC. This may be done via the Boardwriters or Managers bridge.

Reference	PMP-2080-EPP-100	Rev. 32	Page 48 of 61
Emergency Response			
Attachment 12	Manual Completion of EMD Forms		Pages: 48 - 50

Caution: Completion of a manual hard copy EMD-32 a and/or b form is required when an emergency has been declared and there is no radiological release in progress due to the event.

NOTE: An EMD-32a is required within 15 minutes of:

- An initial event classification, or
- A change of classification, or
- A change of PAR

1 Manual completion of hard copy EMD-32a, "Nuclear Plant Event Notification":

- Indicate whether this is an "Actual Event" or a "Drill"
- Record "Nuclear Power Plant" as Cook Nuclear Plant
- Record name of Plant Communicator(s)
- Indicate location where this form is being generated (Calling From)
- Record "Call Back Telephone Number" 269-465-5901 Ext. 1088
- Record "Plant Message Number"
- Indicate "Current Classification"
- Indicate date and time of current classification was declared
- Indicate "Reason for Classification"
- Record the IC Number
- Indicate "YES" or "NO" for "Radiological Release in Progress Due to Event"
- Indicate any current "Protective Action Recommendations"

Reference	PMP-2080-EPP-100	Rev. 32	Page 49 of 61
Emergency Response			
Attachment 12	Manual Completion of EMD Forms	Pages: 48 - 50	

- Record PAR basis
- Record "Meteorological Data", alternate sources are listed in PMP-2080-EPP-108, Initial Dose Assessment, Attachment 1.
- Forward completed form to Approver
- Complete "Approved By", date and time
- Forward completed approved form for transmission

NOTE: An EMD-32b is required to be transmitted with the EMD32a if:

- A General Emergency has been declared, or
- There is a PAR change is due to dose

An EMD-32b is required within 30 minutes of the previous EMD-32

2 Manual completion of hard copy EMD-32b, "Nuclear Plant Event Technical Data":

- Indicate whether this is an "Actual Event" or a "Drill"
- Record "Nuclear Power Plant" as Cook Nuclear Plant
- Record name of "Plant Communicator"(s)
- Indicate location where this form is being generated (Calling From)
- Record "Call Back Telephone Number" 269-465-5901 Ext. 1088
- Record "Plant Message Number"
- Record "Meteorological Data", alternate sources are listed in PMP-2080-EPP-108, Initial Dose Assessment, Attachment 1.
- Record "Reactor Information"
- Record "Plant Status/Additional Information"

Reference	PMP-2080-EPP-100	Rev. 32	Page 50 of 61
Emergency Response			
Attachment 12	Manual Completion of EMD Forms		Pages: 48 - 50

- **IF** there is a release in progress due to the event **THEN** complete known information in "Release/Offsite Dose Data" areas
- **IF** there is NOT a release in progress due to the event **THEN** mark the "Release/Offsite Dose Data" areas as Not Applicable, N/A.
- Forward completed form to Approver
- Complete "Approved By", date and time
- Forward completed approved form for transmission

Reference	PMP-2080-EPP-100	Rev. 32	Page 51 of 61
Emergency Response			
Attachment 13	Activation of FLEX Phase 3	Page: 51	

NOTE: The SAFER Control Center (SCC) is the lead organization for responding to the operational implications of an event and will coordinate the industry response to an emergency, if requested.

- 1 **WHEN** directed by the SM-SEC **THEN** contact the SAFER Control Center (SCC) at 434-832-3777 to activate the National SAFER Response Center (NSRC).
 - WHEN communication is established THEN provide the following information:
 - Indicate whether this is an "Actual Event" or a "Drill"
 - Plant name and affected units
 - Your name and position/title
 - The reason for the call, "Activation of the National SAFER Response Center for the Cook Nuclear Plant"
- 2 The NSRC will arrange for delivery of FLEX Phase 3 to Staging Area "C" (South Bend Regional Airport).
- 3 The SM-SEC or designee has the responsibility to communicate and coordinate activities with the SAFER SCC Team Lead until the EOF is activated. Examples of coordination include, but are not limited to:
 - Informing SAFER of the selection of Staging Area location and status of accessibility of Staging Area "C" and associated travel routes to the site.
 - Receipt of periodic status reports on the shipment from the SAFER SCC Team Lead
 - Informing the SAFER SCC Team Lead of specific delivery instructions including diverting a shipment from Staging area "C" to Staging Area "B".
- 4 From the State of Michigan Emergency Operations Center request a heavy or medium lift helicopter capable of lifting 8,000 lbs. to move equipment from Staging Area "C" to Staging Area "B".
- 5 From the NRC ENS request a heavy or medium lift helicopter capable of lifting 8,000 lbs. to move equipment from Staging Area "C" to Staging Area "B".

Reference	PMP-2080-EPP-100	Rev. 32	Page 52 of 61
Emergency Response			
Data Sheet 1	PPC or PSS Control Room Data		Pages: 52 - 53

Unit No: _____ Date: _____ Time: _____

Data Taken By: _____ Data Reviewed By: _____

NOTE: When redundant indication exists, record most severe condition.

- | | | | |
|---------------------------------------|-----------------|---|--------------------|
| 1. Containment Temp. | _____ °F | 5. Intermediate Range | _____ AMPS |
| 2. Cont. H ₂ Concentration | _____ % | 6. Containment Pressure | _____ PSIG |
| 3. RWST Level | _____ % | 7. Containment Sump Level | _____ % |
| 4. Source Range | _____ CPM | 8. Containment Level | _____ % |
| | | 9. Containment High Range Radiation Level | _____ / _____ R/HR |
| | | Upper/Lower | |
| 10. CTS Pumps | East ON / OFF | West ON / OFF | |
| 11. RHR Spray Flow | East _____ GPM | West _____ GPM | |
| 12. SI Flow | North _____ GPM | South _____ GPM | |
| 13. BIT Flow | LP1 _____ GPM | LP2 _____ GPM | LP3 _____ GPM |
| 14. Accum Pressure | LP1 _____ PSIG | LP2 _____ PSIG | LP4 _____ GPM |
| 15. RHR Injection Flow | East _____ GPM | West _____ GPM | LP4 _____ PSIG |
| 16. RCP Status | LP1 ON / OFF | LP2 ON / OFF | LP3 ON / OFF |
| | | | LP4 ON / OFF |
| 17. RCS Pressure | _____ PSIG | 23. PRT Level | _____ % |
| 18. Charging Flow | _____ GPM | 24. PRT Pressure | _____ PSIG |
| 19. PZR Liquid Temp. | _____ °F | 25. PZR Cycling Htrs | ON / OFF |
| 20. PZR Steam Temp. | _____ °F | 26. PZR Backup Htrs | ON / OFF |
| 21. PZR Level | _____ % | 27. Letdown Flow | _____ GPM |
| 22. PRT Temp. | _____ °F | 28. Saturation Margin | _____ °F |

Reference	PMP-2080-EPP-100	Rev. 32	Page 53 of 61
Emergency Response			
Data Sheet 1	PPC or PSS Control Room Data	Pages: 52 - 53	

NSSS LOOP PARAMETERS

	Loop 1	Loop 2	Loop 3	Loop 4
29. Wide Range T Hot	_____ °F	_____ °F	_____ °F	_____ °F
30. Wide Range T Cold	_____ °F	_____ °F	_____ °F	_____ °F
31. S / G Pressure	_____ PSIG	_____ PSIG	_____ PSIG	_____ PSIG
32. S / G N. R. Level	_____ %	_____ %	_____ %	_____ %
33. S / G W. R. Level	_____ %	_____ %	_____ %	_____ %
34. Steam Flow (pph x 10 ⁶)	_____	_____	_____	_____
35. Feed Flow (pph x 10 ⁶)	_____	_____	_____	_____
36. Aux. Feed Flow (pph x 10 ³)	_____	_____	_____	_____
37. MSIV Status	OPEN / CLOSE	OPEN / CLOSE	OPEN / CLOSE	OPEN / CLOSE
38. CST Level	_____ %	_____ Ft		
39. Steam Dump	ATMOS / COND			

EQUIPMENT STATUS

AVAILABLE / UNAVAILABLE			AVAILABLE / UNAVAILABLE		
40. East ESW	_____ / _____		50. East CCP	_____ / _____	
41. West ESW	_____ / _____		51. West CCP	_____ / _____	
42. East CCW	_____ / _____		52. TDAFP	_____ / _____	
43. West CCW	_____ / _____		53. EMDAFP	_____ / _____	
44. East CTS	_____ / _____		54. WMDAFP	_____ / _____	
45. West CTS	_____ / _____		55. AB Diesel	_____ / _____	
46. North SI	_____ / _____		56. CD Diesel	_____ / _____	
47. South SI	_____ / _____		57. Normal Res.	_____ / _____	
48. East RHR	_____ / _____		58. 12 EP	_____ / _____	
49. West RHR	_____ / _____				

Reference	PMP-2080-EPP-100	Rev. 32	Page 54 of 61
Emergency Response			
Data Sheet 2	Emergency Turnover Checklist	Pages: 54 - 57	

Unit No: _____ Date: _____ Time: _____

1. Emergency Classification

	<u>Time Declared</u>
_____ Unusual Event	_____
_____ Alert	_____
_____ Site Area Emergency	_____
_____ General Emergency	_____

2. Have notifications been completed?

a. Michigan:	yes / no / in progress	Time: _____
b. Berrien County:	yes / no / in progress	Time: _____
c. NRC:	yes / no / in progress	Time: _____
d. DC Cook 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: _____

4. Offsite protective action recommended:

• Evacuation:	yes / no areas: _____	Time: _____
• Shelter:	yes / no areas: _____	Time: _____

Reference	PMP-2080-EPP-100	Rev. 32	Page 55 of 61
Emergency Response			
Data Sheet 2	Emergency Turnover Checklist	Pages: 54 - 57	

5. Plant Operational Status

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

b. ESF Status: _____

c. EOP Status: _____

6. Plant Status

a. Chronology of Events

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

b. Current Plant Conditions

Reference	PMP-2080-EPP-100	Rev. 32	Page 56 of 61
Emergency Response			
Data Sheet 2	Emergency Turnover Checklist	Pages: 54 - 57	

c. Potential for Plant Degradation

d. Mitigating Actions Taken or Underway

7. Plant Radiological Conditions

a. In-plant/Onsite Radiological Conditions

Reference	PMP-2080-EPP-100	Rev. 32	Page 58 of 61
Emergency Response			
Data Sheet 3	Plant Status	Pages: 58 - 59	

NOTE: This Data Sheet is to be used as a guide for the communicator talking to the NRC. It is not required to be sent unless asked for by the NRC.

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 – check all that apply for the current plant conditions

- 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
-

Reference	PMP-2080-EPP-100	Rev. 32	Page 59 of 61
Emergency Response			
Data Sheet 3	Plant Status		Pages: 58 - 59

***RCS Heat Transport Control – check all that apply
for the current plant conditions***

Forced Circulation by RCP

Natural Circulation

Feed and Bleed

Decay Heat Removal System (RHR)

***RCS Heat Sink (Available or In Operation) – check
all that apply for the current plant conditions***

S/G – Condenser Dump Valves

S/G – Atmospheric Dump Valves

S/G – Safety Valves

RCS – Feed/Bleed

Decay Heat Removal System (RHR)

***S/G Inventory Control – check all that apply for
the current plant conditions***

Main Feed Water

Aux. Feed Water

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 |

Additional Information

Reference	PMP-2080-EPP-100	Rev. 32	Page 60 of 61
Emergency Response			
Data Sheet 4	Request For Additional Information		Pages: 60

Request for additional information

Source of request:

☐ MSP

☐ BCSD

☐ NRC

☐ Other

Date _____ Time _____

Question: _____

Response: _____

Response approved by: _____
 SEC or designee

Response delivered to requesting organization:

Date _____ Time _____ by Whom _____

REVISION SUMMARY

Procedure No.: PMP-2080-EPP-100

Rev. No.: 32

Title: Emergency Response

Alteration	Justification
<p>This procedure implements the Cook Emergency Plan. This process is wholly controlled under 10 CFR 50.54 (q) and plant procedure RMA-2080-EPA-008, Emergency Plan Management; therefore a 50.59 review is not required.</p> <p>This procedure does not involve a change to the ISFSI facility, spent fuel cask design or procedures that affect the design function, or method of performing, controlling or evaluating the design function. As such, a 10 CFR 72.48 review is not required for this procedure.</p> <p>10 CFR 50.54(q) review was performed and documented. The number for the 50.54(q) is annotated in the workflow for this revision.</p> <p>The conclusion was that the changes in this revision do continue to comply with the requirements of §50.47(b) and §50 Appendix E and the changes do not constitute a reduction in effectiveness. Therefore, this Cook Emergency Plan Implementing Procedure can be implemented without prior approval.</p>	
Replaced TSOC with NEST throughout the procedure.	<p>The TSOC has been replaced by the NEST. The TSOC has been removed from site.</p> <p>This change was not margin marked. GT 2015-15895</p>
Step 1.1 was reworded. Removed “(under the direction of the SEC)” and “Unusual Event (UE), Alert, Site Area Emergency (SAE) and General Emergency (GE) after an emergency has been declared.”	<p>Removed unnecessary information and abbreviations. The term “an emergency” encompasses all Emergency Classifications. The meaning of the step is unchanged.</p> <p>One of the purposes of this revision is to remove unnecessary wording that can distract the users from taking necessary actions or making required communications.</p> <p>Reviewer comments.</p>
Purpose and Scope step (1.2 previously) was removed. This step made the statement that “Once turnover of SEC duties has been completed, the SM retains the overall responsibility of directing and implementing emergency and abnormal procedures to bring the unit(s) to a safe condition.”	<p>Unnecessary statement that is not a purpose or scope statement and adds nothing to this procedure.</p> <p>One of the purposes of this revision is to remove unnecessary wording that can distract the users from taking necessary actions or making required communications.</p> <p>Reviewer comments.</p>

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Page 1 of 5

REVISION SUMMARY

Procedure No.: PMP-2080-EPP-100

Rev. No.: 32

Title: Emergency Response

Purpose and Scope step (1.3 previously) was removed. This step made the statement that "The CR will retain responsibility for Public Address (PA) announcements and Nuclear Emergency Alarm (NEA) activation throughout the emergency."	<p>Unnecessary statement that is not a purpose or scope statement and adds nothing to this procedure.</p> <p>One of the purposes of this revision is to remove unnecessary wording that can distract the users from taking necessary actions or making required communications.</p> <p>Reviewer comments.</p>
Purpose and Scope step (1.3.1 previously) stating, "Others may use the PA as directed by procedure (Security, RAC, etc.)." was removed.	<p>Unnecessary statement that is not a purpose or scope statement and adds nothing to this procedure.</p> <p>Reviewer comments.</p>
Step 1.4 stating; "The steps in this procedure are listed in the preferred order of performance for maximum efficiency. However, the steps may be performed in a different order." was moved to the beginning of the "Details" section, prior to step 3.1, as a Note.	<p>The step is not a Purpose and Scope.</p> <p>Reviewer comments.</p> <p>No margin markings were used for these changes.</p>
Previous Purpose and Scope step 1.5 is now step 1.2 due to removing steps 1.2, 1.3 and 1.4.	<p>Step renumbering due to removal of steps.</p> <p>No margin markings were used.</p>
Added ORO and SEC-TSC to definitions section.	<p>Not previously defined.</p> <p>Reviewer comment.</p>
The Details section was completely reorganized. The subsections (3.1, 3.2, 3.3, 3.4, 3.5) were added to the Table of Contents.	<p>Operations Training Comments. This section was reorganized to provide clearer direction of actions. The items were organized in the order that they would normally be performed. Incorporated applicable steps from OHI-2080. No actions were removed from the procedure.</p> <p>No margin markings were used for these changes. GT-2015-8402-1 AR 2014-14572-5</p>

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REVISION SUMMARY

Procedure No.: PMP-2080-EPP-100

Rev. No.: 32

Title: Emergency Response

Step 4, Final Conditions, added comments section, and signature and date blanks for Verified Complete, Independently Verified and Reviewed By.	These changes align this procedure with the requirements of PRC-001. Reviewer comment.
Attachment 5, Evacuation: <ul style="list-style-type: none">Added signoff blanks to action steps and removed blanks from message steps.	Reviewer comment.
Removed Attachment 9, Drills and Exercise. Deleted step 3.3 which referred to PA announcements during drills and exercises.	This procedure provides guidance for actual emergency conditions; therefore the inclusion of guidance for drills and exercises is inappropriate. Drill and exercise guidance is contained in RMT-2080-EPP-500. One of the purposes of this revision is to remove unnecessary wording that can distract the users from taking necessary actions or making required communications. GT 2014-15961-1
Attachment 11 (REV 31 Att 12), Removed note and step, stating that the STA should perform the 1 hour notification to the NRC and should fill out PMP-7030-001-001 datasheet.	This action for the STA is not necessary as the control room will be in direct phone contact with the NRC and will provide necessary and requested information. PMP-7030-001-001 notes that the datasheet can be done as "time permit". Therefore all actions are directed by PMP-7030-001-001 and are not required in this procedure. One of the purposes of this revision is to remove unnecessary wording that can distract the users from taking necessary actions or making required communications. GT-2014-8280-1

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Page 3 of 5

REVISION SUMMARY

Procedure No.: PMP-2080-EPP-100

Rev. No.: 32

Title: Emergency Response

Added the following to the Definitions and Abbreviations: AEO, BOP, CONTINGENCY DIRECTOR, CONTINGENCY TEAM, CONTROL ROOM COMMUNICATOR, CONTROL ROOM LIAISON, CRITICAL SAFETY FUNCTION STATUS TREES, ERAEO MITIGATION TEAM, NRC, OFF-SITE COMMUNICATOR, PACHMT, RO, RP, SRO, STA, US, AND WCC-SRO.	Incorporated from OHI-2080, Conduct of Operations (Emergency Organization) AR 2014-14572-5
Added DS 5, Contingency Team Tracking Form.	Incorporated from OHI-2080, Conduct of Operations (Emergency Organization) AR 2014-14572-5
Attachment 7, Added "main body of procedure" to steps 3.1.3 and 3.1.5.	Clarifying information for user. Editorial Correct Criteria q, (Rewording (including addition or deletion of words) of steps, NOTES, or CAUTIONS for clarification, which clearly does not change the methodology or intent of the steps.) GT-2015-14171-1
Added Attachment 13, Activation of FLEX Phase 3.	This attachment provides guidance for requesting phase 3 equipment per the SAFER Plan. No Marginal Markings were used.

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Page 4 of 5

REVISION SUMMARY

Procedure No.: PMP-2080-EPP-100

Rev. No.: 32

Title: Emergency Response

IMPLEMENTATION PLAN

Summary of Change

See Rev Summary

Reason for Change

See Rev Summary

Implementation Schedule

PORC meeting week of 1/4/16

Effective date week of 1/11/16

Training Needs

None

Expiration Date

None

Required Basis Documents Update

None

Related Processes and Procedures

None

Transition Plan

None

Related Equipment Modifications

None

Communication Plan

None

Special Tools, Aids, Permits, Etc.

None

Related Actions

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This is a free-form as called out in PMP-2010-PRC-002, Procedure Alteration, Review, and Approval.

IMPLEMENTING PROCEDURE

PMP-2080-EPP-100, Emergency Response, Revision 33

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Peterson, Gerald T (i689988)	3 Technical Review	02/10/2016 10:31
Schrubba, Jennifer (s245259)	7 Approval Authority	02/11/2016 09:51

Signature Comments

Review of change is complete
Special Review, a 50.54(q) #16-03 was performed by Becvar and Simpson, EP.
Minor change!
Approved per Plant Manager, Jim Ross.



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Reference			
<u>Bill Hart</u> Writer	<u>Emergency Preparedness</u> Document Owner	<u>Emergency Preparedness</u> Cognizant Organization	

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PURPOSE AND SCOPE

- 1.1 This procedure provides Instructions to the Shift Manager acting as the Site Emergency Coordinator (SM-SEC), and to the Control Room (CR) for implementing a response to an emergency declared per PMP-2080-EPP-101, Emergency Classification.
- 1.2 Terminating an event if the conditions for the UE no longer exist, and no escalation of classification is expected.

2 DEFINITIONS AND ABBREVIATIONS

Term	Meaning
AOP	Abnormal Operating Procedure
AEO	Auxiliary Equipment Operator
BCSD	Berrien County Sheriff Department
BOP	Balance of Plant
Contingency Director	A Senior Reactor Operator assigned by the Shift Manager who performs accountability at the beginning of the event to ensure persons are accounted for and to quantify available resources. Also provides supervisory oversight and technical direction for the personnel assigned to the Contingency Team.
Contingency Team	Includes RP and Chemistry Technicians, and Operators (Auxiliary Equipment, Utility, Makeup Plant) from the shift not assigned to other duties who are responsible for responding to the operations needs of the affected unit.
Control Room Communicator	Usually a member of the Operations Department who comes to the Control Room whenever the Technical Support Center is activated and establishes communications with the TSC and EOF.
Control Room Liaison	An available extra SRO or RO who acts as a single point contact for the Unit Supervisor to the Contingency Director, and the SM/SEC.
CR	Control Room
Critical Safety Function Status Trees	A set of flowchart diagnostic aids used to monitor the condition of critical safety functions and select appropriate Function Restoration Procedures to restore safety functions that are challenged.
DAP	Dose Assessment Program
EAL	Emergency Action Level

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Term	Meaning
ED	Emergency Director
EMD-32	Nuclear Plant Accident Notification form
ENC	Emergency News Center
EOC	Emergency Operation Center
EOF	Emergency Operations Facility
EOP	Emergency Operating Procedure
ERAEO	Operator(s) that will initiate preventative actions as required to support Security are designated as Emergency Response Auxiliary Equipment Operators.
ERDS	Emergency Response Data System
ERF	Emergency Response Facility
ERONS	Emergency Response Organization Notification System
ERO	Emergency Response Organization
GE	General Emergency
HAB	Hostile Action Based
IC	Initiating Conditions
JIC	Joint Information Center
Mitigation Team	Consists of the standard crew compliment (US, RO and BOP) with the addition of an RO from the unaffected unit or an extra RO who is responsible for placing the unit in a safe condition, during emergency conditions in accordance with approved plant procedures under the direct supervision of the affected unit's Unit Supervisor.
MSP	Michigan State Police
NEA	Nuclear Emergency Alarm
NRC	Nuclear Regulatory Commission
Offsite Communicator	An operator (SRO/RO/qualified AEO) assigned to the shift assumes the role at the SM/SEC's discretion and ensures communications are established at an Alert or higher level, or as directed by the SM/SEC, with the Michigan State Police, Berrien County Sheriff's Department and NRC.
ORO	Off-site Response Organization refers to Berrien County Sheriff's Department, Michigan State Police or local fire departments.
OSC	Operations Support Center
PA	Public Address

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Term	Meaning
PACHMT	Post-Accident Containment Hydrogen Monitoring team
PAR	Protective Action Recommendation
PPC	Plant Process Computer
PSP	Plant Status PAR
PSS	Plant System Server Local Area Network application for PPC data
RAC	Radiological Assessment Coordinator
RO	Reactor Operator
RP	Radiation Protection
SAE	Site Area Emergency
SAS	Secondary Alarm Station
SEC	Site Emergency Coordinator
SIP	Shelter In Place
SM	Shift Manager
SM-SEC	Shift Manager – Site Emergency Coordinator
SRO	Senior Reactor Operator
STA	Shift Technical Advisor
TSC	Technical Support Center
TSC-SEC	Technical Support Center – Site Emergency Coordinator
NEST	Nuclear Engineering Services & Technology Building
UE	Unusual Event
US	Unit Supervisor
WCC-SRO	Work Control Center – Senior Reactor Operator

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3 DETAILS

- | | |
|--------------|---|
| NOTE: | <ul style="list-style-type: none"> • Steps in this procedure that do not apply to the current classification may be marked N/A. • The steps in this procedure are listed in the preferred order of performance. Steps may be performed in a different sequence. |
|--------------|---|

3.1 General Information

- 3.1.1 SM-SEC implements this procedure until relieved of SEC duties.
- 3.1.2 Notification duties, under the direction of the SM-SEC remain with the CR until relieved of the duties by the EOF.
- 3.1.3 The following actions shall not be delegated by the SEC (Command & Control Function):
 - Classification of the emergency.
 - Directing the notification of offsite officials.
 - Approval of PAR to offsite emergency management agencies.
- 3.1.4 Declaration of an emergency requires the notification of the MSP and BCSD within 15 minutes. Notification of the NRC follows state and county notification and in all cases must be completed within one hour.
- 3.1.5 The OSC, TSC, and the EOF are required to be activated at an ALERT classification or higher. The TSC and OSC will not be activated on site if the security event pager code is used.
- 3.1.6 PA announcements for protective measures implemented during security events may be modified or omitted as conditions warrant (e.g., omitting announcement for accountability, if dismissal of non-essential personnel has already taken place.)
- 3.1.7 Once phone communications are established with off-site agencies, it is probable that the agencies contacted may request continuous communications. This should be supported, as resources become available. The use of Operations Department staff is recommended.

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3.2 SM-SEC Checklist

- NOTE:**
- The following steps are repeated for each classification upgrade.
 - A new EMD-32A is required within 15 minutes of each subsequent classification upgrade.

- 3.2.1 Inform Unit 1 and Unit 2 CR personnel of the event classification and that the SM has assumed the position of SEC.
- 3.2.2 Direct the Unaffected Unit (or Unit 1 if a dual unit event) to perform Step 3.3 of this procedure.
- 3.2.3 **IF** the emergency response facilities have been activated **THEN** establish communications with emergency response facilities using the Managers' Bridge.

- NOTE:** Actions already taken in SPP-2060-SFI-216, Plant Response to a Security Threat, need not be repeated in this procedure (e.g., protective measures such as evacuation).
- Activation of the ERONS includes activating the Emergency Response Facilities.

- 3.2.4 **IF** at Alert or higher, (**OR** UE at SEC discretion), **THEN** direct the Unaffected Unit (or Unit 1 if a dual unit event) to activate the Emergency Response Organization Notification System (ERONS) per Attachment 2, Activation of ERONS. (Performed only once per event).

- NOTE:** Accountability and subsequent evacuation are required at a SAE or higher for non-essential personnel. SEC discretion should be used for these activities when taking these actions would jeopardize the safety of personnel (e.g., hostile force, radiation release, toxic spill, etc.).

- 3.2.5 **IF** at UE or Alert and degrading/hazardous conditions warrant, **THEN** use SEC discretion to Dismiss Non-Essential Personnel from the site per Attachment 3, Dismissal of Non-Essential Personnel (performed only once per event).

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- 3.2.6 **IF** any H-2 ICs (Security EALs) were used to classify the current event, **THEN** implement actions in accordance with SPP-2060-SFI-216, Plant Response to a Security and continue in this procedure.
- 3.2.7 **IF** in a SAE or GE **AND** personnel have not been dismissed **THEN** order Site Evacuation using Attachment 5, Evacuation, (performed only once per event).
- 3.2.8 **IF** in a SAE or GE, (or at SM-SEC discretion), **THEN** implement Accountability using Attachment 4, Accountability, (performed only once per event).
- 3.2.9 **IF** in a GE, **THEN** verify a Protective Action Recommendation is developed using Attachment 1, Protective Action Recommendations.
- 3.2.10 Assign an individual to complete Data Sheet 3, Plant Status.
- 3.2.11 **WHEN** the TSC-SEC or EOF-ED reports for duty, **THEN** conduct turnover and transfer Command and Control Function using Data Sheet 2, Emergency Turnover Checklist.
- 3.2.12 Upon completion of turnover, inform both control rooms that the Command & Control Function has been transferred to the SEC (or ED, as applicable).
- 3.2.13 **IF** in a UE and conditions warrant **AND** the SM-SEC has Command & Control Function, **THEN** terminate the UE using Attachment 6, Terminating a UE.
- 3.2.14 **IF** in an Alert, or higher **AND** conditions warrant **AND** SM-SEC has Command & Control Function, **THEN** terminate the event using RMT-2080-EOF-002, Emergency Termination and Recovery.
- 3.2.15 **WHEN** 10 CFR 50.54(x) or 10 CFR 72.32(d) are invoked, **THEN** ensure communications to the NRC are performed per PMP-7030-001-001, Prompt NRC Notification.

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3.3 Unaffected CR Checklist

3.3.1 **WHEN** directed by the SEC, **THEN** verify that ERONS has been activated per Attachment 2, Activation of ERONS, (performed only once per event). _____

3.3.2 Notify Site Personnel of the emergency classification using Attachment 7, Notification of On-Site Personnel. _____

3.3.3 Notify Offsite Authorities of the emergency using Attachment 8, Notification of Off-site Personnel. _____

3.3.4 Assign an individual to start the Dose Assessment Program (DAP). _____

- **IF** a radiological release is in progress due to the emergency, **THEN** perform PMP-2080-EPP-108, Initial Dose Assessment. _____

3.3.5 TSC Ventilation

a. **IF** any of the following conditions are present: _____

- The emergency involves a loss of coolant accident
- The Control Room Pressurization System has been activated
- A valid Safety Injection signal

THEN verify 12-101-TSC-EM, 12-HV-TSC-FIL Unit Damper, in Emergency Mode. _____

b. Record the Emergency Mode start time on the placard located below the switch. _____

NOTE:

Not all portions of Data Sheet 1, PPC or PSS Control Room Data, need to be completed; coordinate with requesting facility (usually TSC) for desired information.

3.3.6 **IF** the PPC or PSS are inoperable **THEN** complete portions of Data Sheet 1, PPC or PSS Control Room Data, every 15 minutes, or as otherwise specified by requesting facility until the PPC and PSS are operable. _____

- Transmit Data Sheet 1, PPC or PSS Control Room Data, to requesting facility (usually TSC). _____

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- 3.3.7 Verify ERDS for the affected Unit is operational and transmitting data to the NRC within one hour of an ALERT or higher declaration

3.4 Shift Technical Advisor (STA)

- 3.4.1 Reports to the Control Room in the event of an emergency or off-normal event.
- 3.4.2 Provides an independent assessment of conditions present and actions taken.
- 3.4.3 Reports to the SM and acts in an advisory capacity.
- 3.4.4 Implementation and monitoring of Critical Safety Function Status Trees in the event that the Emergency Operating Procedures (EOPs) are implemented.
- 3.4.5 Ensures that the Emergency Plan is being implemented at an emergency action level appropriate to plant conditions by independently classifying the event.

NOTE: The Contingency Director position is filled by an SRO. The WCC-SRO would normally, at the discretion of the SM, fill the role of the Contingency Director.

3.5 Contingency Director

- 3.5.1 The Contingency Director is responsible for the industrial and radiological safety of personnel dispatched from the Control Room.
- 3.5.2 The Contingency Director performs the following tasks.
- Perform accountability at the beginning of the event to ensure persons are accounted for and to quantify available resources.
 - Provide the supervisory oversight and technical direction for the personnel assigned to the Contingency Team.
 - Logging personnel dispatched from the Control Room on Data Sheet 5, Contingency Team Tracking Form.
 - Provide briefings for the personnel dispatched from the Control Room on the radiological and hazardous environmental conditions that may exist in the plant.

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- Provide updates on the plant conditions to personnel dispatched out of the Control Room as appropriate.

NOTE: Several sets of anti-C's are available in each Control Room. Anti-C's and dose rate meters are available in the locker just outside and to the west of the SM/TSC complex.

- Specify and ensure that the proper protective clothing and dosimetry is provided for the Contingency Team members.
- Provide the TSC, after it's been declared operational, with the logged information of those Contingency Teams currently outside the Control Room.
- **WHEN** accountability is directed, **THEN** provide a list of Contingency Team members to the TSC.
- Inform the SM of teams in the field, including the ERAEOs, prior to moving the Contingency Team to the OSC.
- Coordinate the move of personnel to the OSC when directed by the SM.
- Be cognizant of radiological conditions for briefing purposes and shall notify personnel already dispatched from the Control Room of changing conditions as necessary.

4 FINAL CONDITIONS

4.1 The emergency has been terminated and the plant has entered the recovery phase.

Record any comments below (include document numbers for corrective actions):

Verified Complete By: _____ Date: ____/____/____
 Performer

Independently Verified By: _____ Date : ____/____/____

Reviewed By: _____ Date: ____/____/____
 Operations Shift Manager / designee

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5 REFERENCES

5.1 Use References:

- 5.1.1 PMP-2080-EPP-101, Emergency Classification
- 5.1.2 PMP-2080-EPP-108, Initial Dose Assessment
- 5.1.3 RMT-2080-EOF-001, Activation and Operation of the EOF.
- 5.1.4 RMT-2080-EOF-002, Emergency Termination and Recovery
- 5.1.5 SPP-2060-SFI-216, Plant Response to a Security Threat
- 5.1.6 RMT-2080-TSC-001, Activation and Operation of the TSC
- 5.1.7 PMP-7030-001-001, Prompt NRC Notification
- 5.1.8 EPP-2080-ERO-002, Emergency response Organization Notification System Activation and Testing

5.2 Writing References:

5.2.1 Source References:

- a. Cook Nuclear Plant Emergency Plan
- b. SPP-2060-SFI-203, Security Actions During Emergency Conditions

5.2.2 General References

- a. Michigan Emergency Management Plan
- b. NRC Regulatory Issue Summary, RIS-2002-21
- c. NRC Regulatory Issue Summary, RIS-2004-13
- d. NRC Bulletin 2005-02

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Attachment 1	Protective Action Recommendations	Pages: 13 - 16	

NOTE: In selecting a PAR, consider the radiological release characteristic (continuous release due to the event, which cannot be controlled, vice a short-term "puff" release that can be controlled/stopped – e.g., containment pressure relief).

NOTE: DO NOT revise protective actions such that protection is reduced for areas already addressed in previously issued PARs. For example, if evacuation was recommended for Area 1 in a previous PAR, do not revise this recommendation to sheltering for Area 1 in any subsequent PAR.

1 PAR Development

1.1 Proceed through a flowchart in this attachment to develop a PAR.

- The first PAR is developed using the "Initial Protective Action Recommendation" flowchart.
- All PARs after the first are developed using the "Follow up Protective Action Recommendation" flowchart.

2 Issuing a PAR

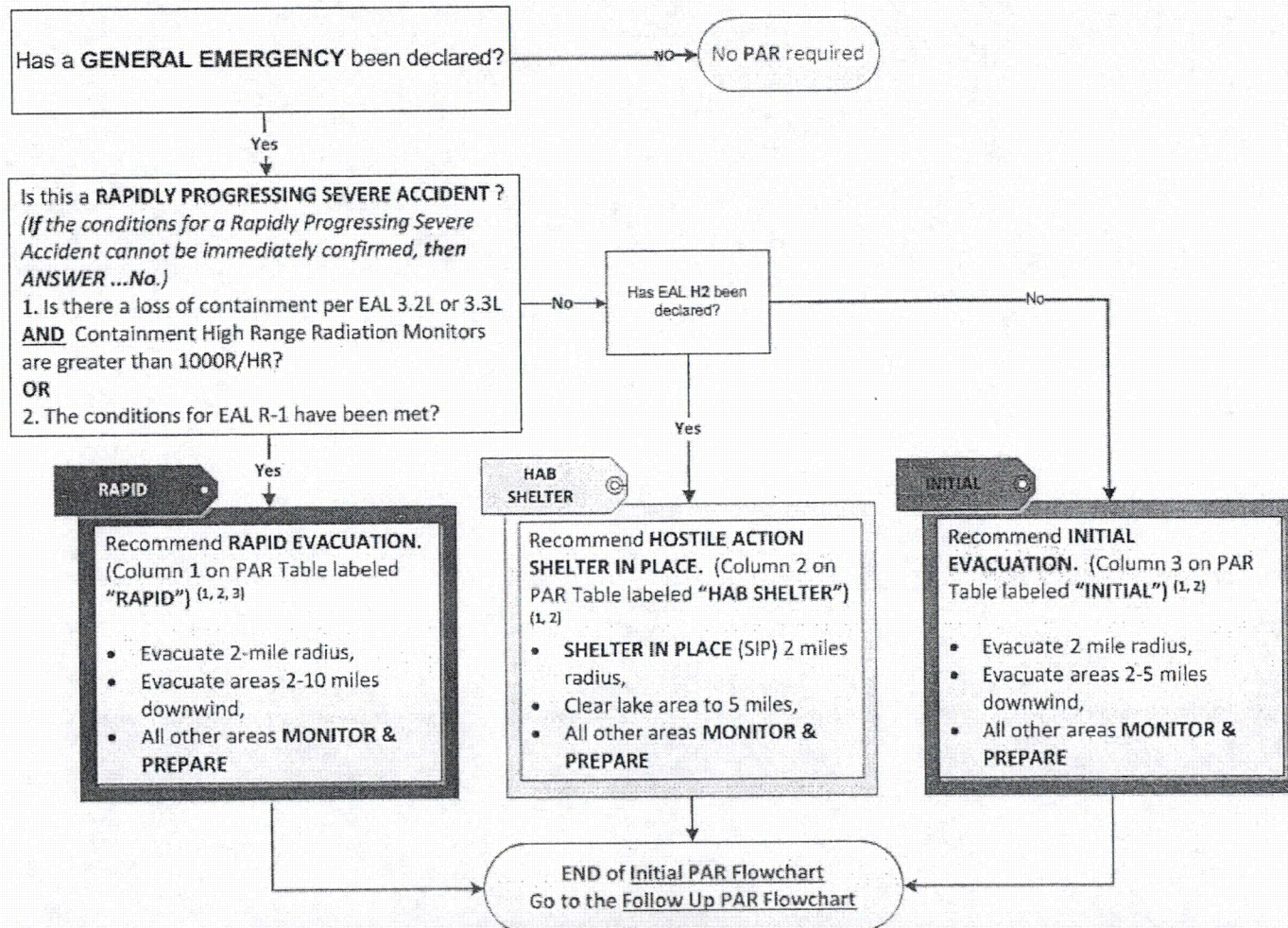
2.1 After a PAR is developed, SEC judgment should be applied as necessary in altering the PAR from that determined by use of the flowchart.

2.2 Ensure that the appropriate PAR boxes are checked on the EMD-32a form.

2.3 Ensure that the GE and PAR are verbally transmitted to the State, and that the EMD-32a (and EMD-32b, if GE is due to dose considerations) is/are transmitted to offsite agencies per Attachment 8, within 15 minutes of the GE/PAR declaration, or PAR change.

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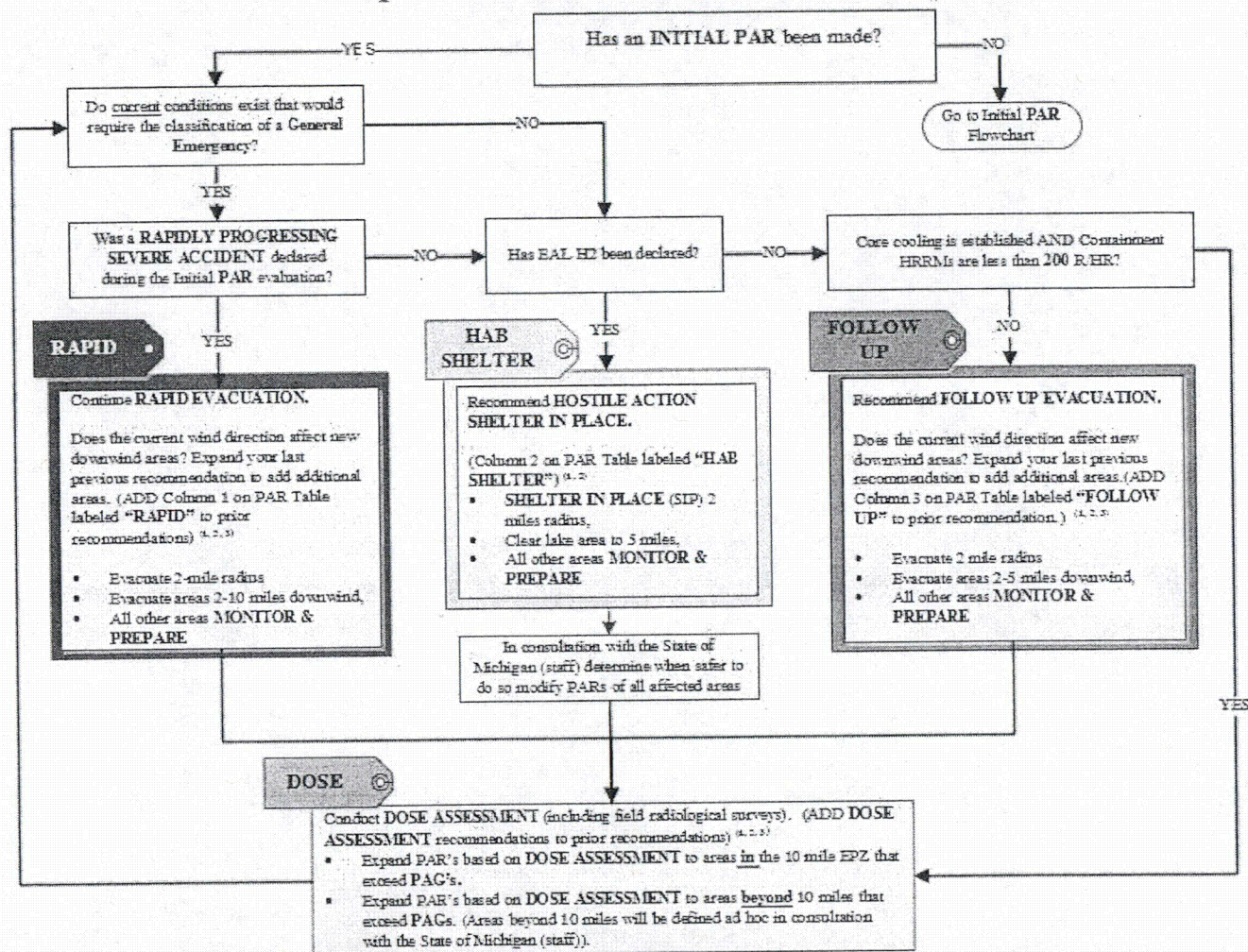
Initial - Protective Action Recommendations



INITIAL PAR TABLE			
Wind Direction (from)	RAPID	HAB	INITIAL
168.75 to 213.75	Area 1, 2, 4, and clear lake areas 6 & 7	Area 1 and clear lake Area 6	Area 1, 2 and clear lake area 6
213.75 to 236.25	Area 1, 2, 3, 4 and clear lake areas 6 & 7		Area 1, 2, 3, and clear lake area 6
236.25 to 303.75	Area 1, 2, 3, 4, 5 and clear lake areas 6		Area 1, 2, 3 and clear lake area 6
303.75 to 348.75	Area 1, 3, 5 and clear lake area 6		Area 1, 3 and clear lake area 6
348.75 to 56.25	Area 1, 3, 5 and clear lake areas 6 & 7		Area 1, 3 and clear lake area 6
56.25 to 168.75	Area 1, and clear lake areas 6 & 7		Area 1 and clear lake area 6
Notes: 1. Lake areas are "cleared" for either evacuation or sheltering. 2. Area 6 is the lake area at 0 to 5 mile radius; Area 7 is the lake area 5 to 10 mile radius. 3. IF Impediments exist as determined by the Offsite Response Organizations, the ORO may shelter in place.			

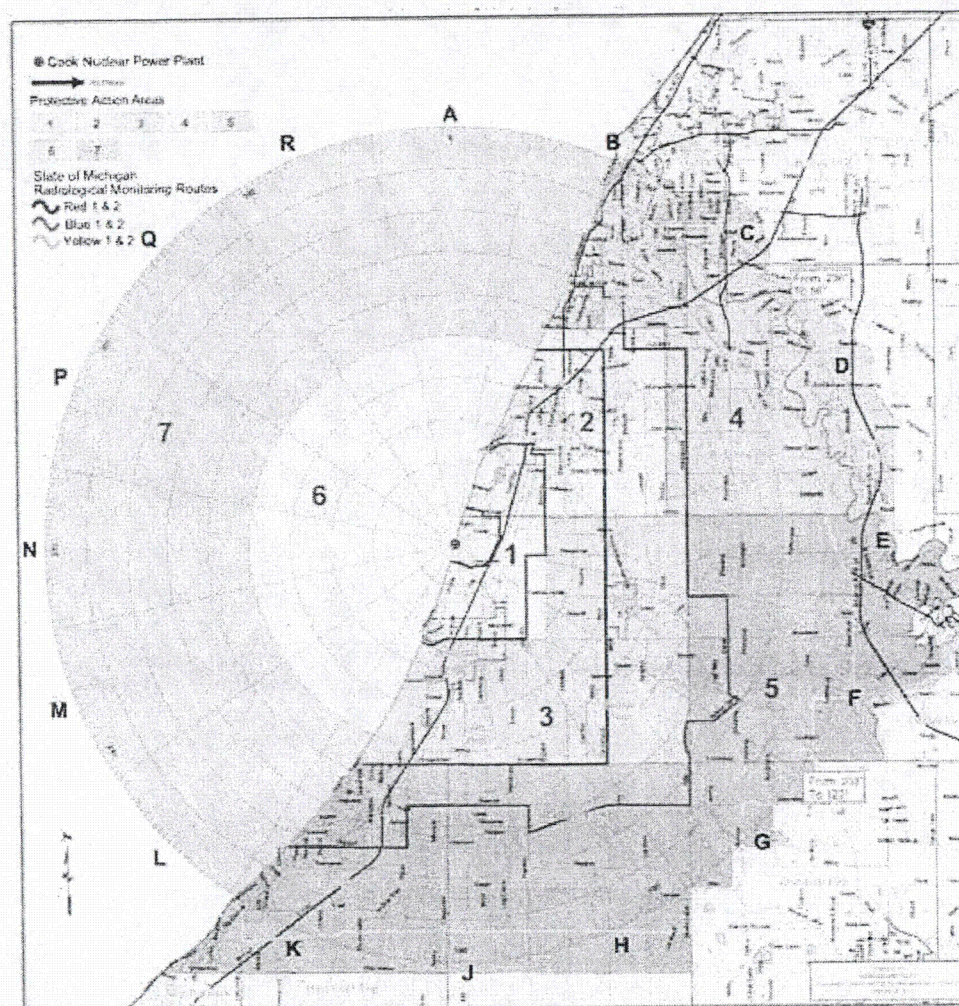
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Follow Up - Protective Action Recommendations



FOLLOW UP PAR TABLE			
Wind Direction (from)	RAPID	HAB	FOLLOW UP
168.75 to 213.75	Area 1, 2, 4, and clear lake areas 6 & 7	Area 1 and clear lake Area 6	Area 1, 2 and clear lake area 6
213.75 to 236.25	Area 1, 2, 3, 4 and clear lake areas 6 & 7		Area 1, 2, 3, and clear lake area 6
236.25 to 303.75	Area 1, 2, 3, 4, 5 and clear lake areas 6		Area 1, 2, 3 and clear lake area 6
303.75 to 348.75	Area 1, 3, 5 and clear lake area 6		Area 1, 3 and clear lake area 6
348.75 to 56.25	Area 1, 3, 5 and clear lake areas 6 & 7		Area 1, 3 and clear lake area 6
56.25 to 168.75	Area 1, and clear lake areas 6 & 7		Area 1 and clear lake area 6
Notes: 1. Lake areas are "cleared" for either evacuation or sheltering. 2. Area 6 is the lake area at 0 to 5 mile radius; Area 7 is the lake area 5 to 10 mile radius. 3. IF Impediments exist as determined by the Offsite Response Organizations, the ORO may shelter in place.			

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Reference 3 EPA PAG TABLE ^a			
Protective Action Response	PAG (projected dose)	Comments	Michigan Application
Sheltering-in-place or evacuation of the public ^b	1 to 5 rem (10 mSv to 50 mSv) over four days ^c	Evacuation (or, for some situations, sheltering-in-place) should be initiated when projected dose is 1 rem (10 mSv).	Facility operators will recommend evacuation at 1 rem, sheltering in place is the prerogative of the State of Michigan
Supplementary administration of prophylactic drugs – KI ^d	5 rem (50 mSv) projected dose to child thyroid from exposure to iodine ^e	KI is most effective if taken prior to exposure. May require approval of state medical officials (or in accordance with established emergency plans).	The state of Michigan will implement its KI plan; facility operator's recommendation is implicit in dose estimation data.
^b Should begin at 1 rem (10 mSv) except when practical or safety considerations warrant using 5 rem (50 mSv). Take whichever action (or combination of actions) that results in the lowest exposure for the majority of the population. Sheltering may begin at lower levels if advantageous. ^c Calculated dose is the projected sum of the effective dose from external radiation exposure (i.e., groundshine) and the committed effective dose from inhaled radioactive material. ^d Provides thyroid protection from radioactive iodines only. For other information on radiological prophylactics and treatment, refer to http://www.fda.gov/Drugs/EmergencyPreparedness/BioterrorismandDrugPreparedness , http://www.emergency.dhs.gov/radiation or http://www.oas.gov/reacts . ^e Thyroid equivalent dose (see Section 2.3.5). ^f Information for this table is derived from "Table 2-1. PAGs and Protective Actions for the Early Phase of a Radiological Incident, from the 2013 PAG Manual"			

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Attachment 2	Activation of ERONS	Pages: 17 - 18	

NOTE: SEC judgment is used to determine which scenario will be used.

- 1 **IF** an Alert or higher classification has been declared, **OR** if the ERO is needed at a UE per SEC discretion, **THEN** activate the ERONS.

NOTE: ERONS can be activated using any plant computer with internet access.

1.1 To activate ERONS:

- Click the Everbridge icon on the desk top.
OR
- Log in to Everbridge by entering the web address, <https://manager.everbridge.net>
OR
- **IF** computer activation is not successful **THEN** call Everbridge at 8-1-818-230-9797 or 8-1-877-220-4911. A person will answer. Explain why you are calling and the actions the Everbridge person should take.

1.2 Enter **User Name** (erons)

1.3 Enter **Password** (located in ERO brief case) and Click **Sign In**.

NOTE: 1) Code "911" scenario will direct ERO responders to their respective facilities in the TSC, OSC, EOF, and ENC/JIC.

2) Code "007" scenario, will direct ERO responders to report to the Buchanan Office Building if it is determined to be unsafe to report to the plant site. The EOF will activate and the alternate TSC and OSC will be manned. Personnel will remain in Buchanan pending further instructions by the SEC or ED.

1.4 To start a scenario, click on the **Notifications** tab at the top of the page.

1.5 Click on the **Templates** header to bring up a list of preprogrammed scenarios.

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Attachment 2	Activation of ERONS	Pages: 17 - 18	

NOTE:

Published Title	Type	Category	Created On	Created By	Contacts?
<input type="checkbox"/> Weekly FORT Notification System Turnover Test	Standard	FORT Weekly Test	2013-09-06 12:49:57 CDT	Robert Bevar	
<input type="checkbox"/> FORT Activation	Standard	FORT Activation	2013-09-06 12:48:13 CDT	Robert Bevar	
<input type="checkbox"/> Training on Pager Activation	Standard	Pager Test	2013-09-06 12:43:46 CDT	Robert Bevar	
<input type="checkbox"/> Unannounced Drill	Standard	Unannounced Drill	2013-09-06 12:41:40 CDT	Robert Bevar	
<input type="checkbox"/> ERO Announced Drill	Standard	ERO Announced Drill	2013-09-06 12:39:11 CDT	Robert Bevar	
<input type="checkbox"/> OGT Security Threat	Standard	OGT	2013-09-06 12:35:42 CDT	Robert Bevar	
<input type="checkbox"/> 911 Actual Emergency	Standard	911	2013-09-06 12:28:19 CDT	Robert Bevar	
<input type="checkbox"/> Weekly ERO Notification System Test Turnover	Standard	Weekly ERO Turnover	2013-09-06 11:22:04 CDT	Robert Bevar	

- 1.6 Click on the box to the left of the scenario that is desired.
- 1.7 Click **Send** (located close to the top of the screen).
- 1.8 A message will popup asking if you want to add this to an event. Click **"No, send as individual notifications"**.

NOTE: After a Notification is sent the screen automatically goes back to the Notifications Tab where the last notification sent out is shown with the time it was sent.

- 1.9 Click **Send** (located close to the bottom of the screen). Notifications have been sent.
- 1.10 **IF** computer activation is not successful **THEN** call Everbridge at 8-1-818-230-9797 or 8-1-877-220-4911. Person will answer. Explain why you are calling and the actions the Everbridge person should take.

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Attachment 3	Dismissal of Non-Essential Personnel	Pages: 19 - 20	

NOTE: SEC judgment should be used in making the decision to dismiss non-essential personnel from the site. Events where dismissal should strongly be considered are rapidly degrading conditions (core damage is occurring or imminent), large fire, or other conditions which, in the judgment of the SEC warrants such dismissal.

- 1 **IF** hazardous conditions are occurring or imminent AND no further hazard would be introduced by the dismissal of non-essential personnel, **THEN** dismiss all non-essential personnel from the site.

NOTE: Personnel assisting the ERO (such as a Failure Investigation Process (FIP) Team) should be Radworker qualified (i.e., have a TLD).

- 1.1 **IF** personnel may be needed to assist the ERO (e.g., FIP Team), **THEN** arrange for utilization of such personnel. SEC judgment should be used in determining the type and amount of non-essential help that is needed.
- 1.2 **IF** radiological conditions may impact dismissal of non-essential personnel (e.g., radiological release in progress), **THEN**, contact RP for assistance/guidance in dismissal route, and other considerations as applicable.
- 1.3 Contact the Security Shift Supervisor (2005 or 2731) to coordinate the dismissal of non-essential personnel from site. Discuss:
 - Whether or not rapid egress is required (e.g., airborne attack)
 - Route to be used for dismissal (e.g. vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.).
 - **IF** using the Livingston Road route, **THEN** contact Security to unlock the gates.
- 1.3.1 Instruct the Security Shift Supervisor to carry out agreed upon method of egress using specific route, and to inform personnel in the Owner-Controlled Area to leave the site.

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Emergency Response			
Attachment 3	Dismissal of Non-Essential Personnel	Pages: 19 - 20	

- 1.3.2 Instruct the Security Shift Supervisor to inform the SM/SEC when dismissal of Non-Essential Personnel has been completed. _____
- 1.4 Inform both Control Rooms of the decision to dismiss non-essential personnel and how dismissal will be accomplished (normal or rapid egress, with specific route to be used). _____
- 1.5 Determine if the Unit 1 and/or Unit 2 Containment Evacuation Alarm should be sounded. _____
 - 1.5.1 Sound the Containment Evacuation Alarm(s), if required. _____
- 1.6 Direct an operator to make PA announcement for dismissal of all non-essential personnel. Make the same announcement two times. _____
 - 1.6.1 **IF** normal egress is to be used, **THEN** make the following announcement two times. Modify the announcement if an alternate route (Livingston Road) is used:

“Attention all personnel. Attention all personnel. Due to the current plant conditions, all non-essential personnel are requested to leave the plant site at this time using the main plant access road.”

 - a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646. _____
 - 1.6.2 **IF** rapid egress is to be used, **THEN** make the following announcement two times:

“Attention all personnel. Attention all personnel. Due to the current plant conditions, all non-essential personnel are requested to leave the plant site, using (specify Security portal, including location, e.g., “vehicle portal near the North Access Building”) and exiting the site using (State the route).”

 - a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646, omitting the “using Security portal” statement. _____

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Emergency Response			
Attachment 4	Accountability		Pages: 21 - 25

NOTE: During some postulated events, assembly & accountability, may pose a greater danger than directing a rapid egress of personnel from the Protected Area, or directing personnel to remain in their work areas. SEC discretion, with input from Security personnel when necessary, should be used in the decision to perform accountability and/or evacuation under these conditions.

1 Review the three methods of Accountability below:

- 1.1 Primary Method – using this method, all plant personnel and ERO members not on duty within the Protected Area will proceed to an Assembly Area located in the Office Building and Service Building and swipe their security badges at one of the associated Accountability Card Readers.
- Personnel will remain in the Assembly Areas until evacuated per SEC direction.
 - A list of missing individuals will be generated by Security 30 minutes from the time accountability is ordered (i.e., NEA is sounded).
- 1.2 Alternate Method – using this method, and under direction from the Security Shift Supervisor all non-ERO individuals within the Protected Area will exit through a Security Portal (e.g., vehicle portal near North Access Building) selected by Security per conditions at the time.
- This method allows for rapid egress of personnel from the Protected Area because exit card readers/turnstiles may be bypassed.
 - In this method, individuals may be required to relinquish their security badges so that Security personnel can account for them and verify their leaving the Protected Area.
 - This method should only be used under extreme circumstances where assembly and accountability may pose a greater hazard to personnel than rapid evacuation.

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Attachment 4	Accountability		Pages: 21 - 25

- The Security Director will determine which route will be used for dismissal (e.g. vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.).
 - **IF** radiological conditions may impact dismissal of non-essential personnel (e.g., radiological release in progress), **THEN**, contact RP for assistance/guidance in dismissal route, and other considerations as applicable.
 - **IF** using the Livingston Road route, **THEN** contact Security to unlock the gates.
- 1.3 No Accountability – under some Security events Accountability may be delayed (or omitted entirely) per SEC discretion (e.g., security event in a vital area – intrusion by a hostile force).
- 2 Contact the Security Shift Supervisor (2005 or 2731) to consult about which method of accountability should be used.
- 2.1 Choose which of the accountability methods will be used, Primary, Alternate, or No Accountability and inform the Shift Security Supervisor.
- 2.1.1 **IF** using the Primary Method of accountability, **THEN** request that Security:
- Prepare for accountability.
 - Commence evacuation of the Owner Controlled Area outside of the Protected Area.
- a. GO TO Step 3.

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Emergency Response			
Attachment 4	Accountability		Pages: 21 - 25

NOTE: RP should be consulted for input on best means of egress from the Protected Area/Site if a radiological release is in progress or imminent.

2.1.2 **IF** using the Alternate Method of accountability, **THEN** request that Security initiate the alternate method of accountability.

a. Coordinate with the Security Shift Supervisor (and RP, if a radiological release is imminent or in progress) as to which Security Portal(s) will be used for Protected Area evacuation.

b. Request that the Owner-Controlled area also be evacuated.

3 Contact Personnel Inside the Protected Area.

3.1 **IF** using the Primary Method of Accountability, **THEN** direct an Operator to perform the following:

- Sound the Unit 1 and Unit 2 Containment Evacuation Alarm.
- Sound the Nuclear Emergency Alarm.
- Make a Public Address announcement for personnel to report for accountability. Make the announcement two times. An example of this announcement is:

“Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Report to an Assembly Area located in the Office Buildings or Service Building for accountability at this time. Use an accountability card reader and then remain in the area for further announcements.”

IF the ERFs have not already been activated, **THEN** make the following announcement two times:

“Attention all personnel. Attention all personnel. Activate the Technical Support Center, Operations Support Center, Emergency Operations Facility, and Joint Information Center.”

a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

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Emergency Response			
Attachment 4	Accountability		Pages: 21 - 25

3.2 **IF** using the Alternate Method of Accountability, **THEN** direct an Operator to perform the following:

- Sound the Unit 1 and Unit 2 Containment Evacuation Alarm.
- Sound the Nuclear Emergency Alarm.
- Make a Public Address announcement for personnel to use the alternate method of accountability. Make the same announcement two times. An example of this announcement is:

“Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Due to the current plant conditions, all non-essential personnel are requested to leave the plant site, using (specify Security portal, including location, e.g., “vehicle portal near the North Access Building”) and exiting the site using (State the route) .”

3.2.1 **IF** the ERFs have not already been activated and the ERONS code of 911 was used, **THEN** make the following announcement two times:

“Attention all personnel. Attention all personnel. Activate the Technical Support Center, Operations Support Center, Emergency Operations Facility, and Joint Information Center.

3.2.2 **IF** the ERFs have not already been activated and the ERONS code of 7 was used, **THEN** make the following announcement two times:

“Attention all personnel. Attention all personnel. ERO members proceed to the Buchanan Office Building and activate the Emergency Operations Facility and the Joint Information Center.

3.2.3 Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

3.3 **IF** the No Accountability Method is used, **THEN DO NOT** sound the NEA, Containment Evacuation Alarms, or make a public address announcements.

3.3.1 Direct any necessary announcements per Security Shift Supervisor guidance as necessary for protection of on site personnel.

Reference	PMP-2080-EPP-100	Rev.33	Page 25 of 61
Emergency Response			
Attachment 4	Accountability		Pages: 21 - 25

4 Perform follow-up actions.

4.1 IF the Primary Method of Accountability was used, THEN

- Obtain a list of missing personnel from Security (this list should be provided 30 minutes following the sounding of the NEA. _____
- Coordinate with Security to locate any missing individuals. _____

4.2 IF the Alternate Method of Accountability was used, THEN

- Obtain a list of missing personnel from Security upon completion of the manual accountability (this will take longer than 30 minutes). _____
- Coordinate with Security to locate any missing individuals. _____

4.3 IF the No Accountability Method was used, THEN take any necessary follow-up actions when conditions warrant. Examples of the follow-up actions include:

- After hostile force has been neutralized, SEC may choose to perform accountability (per Primary or Alternate Method). _____
- Coordinate with Security to locate any missing personnel. _____
- Public Address announcements as necessary. _____
- Dismissal or evacuation of personnel as necessary. _____

Reference	PMP-2080-EPP-100	Rev.33	Page 26 of 61
Emergency Response			
Attachment 5	Evacuation	Pages: 26 - 29	

NOTE: During some postulated events, evacuation may pose a greater danger than sheltering personnel within buildings. Under other events, rapid egress from the Protected Area and evacuation of the site is prudent. SEC discretion, with input from Security and/or RP personnel as applicable, should be used in the decision whether to evacuate under these conditions.

- 1 Determine If Evacuation Should Be Performed. Evacuation is performed at a SAE (or GE, if SAE was not entered).
- 1.1 **IF** a security event is in progress in which evacuation could cause personnel harm (e.g., hostile force in a vital area), **THEN** SEC should shelter personnel within work areas, or as recommended by Security, rather than evacuation.
 - 1.1.1 Coordinate with Security (1118, 1119, 2005 or 2731) in taking protective measures as necessary for plant personnel.
 - 1.1.2 **WHEN** the security event has been terminated (i.e., hostile force has been neutralized, **THEN** GO to Step 2.
- 1.2 **IF** a radiological release is in progress, **THEN** consult with RP in determining whether evacuation should be delayed.
- 1.3 **IF** no new hazards would be introduced by evacuation, **THEN** evacuate personnel per Step 2.
- 1.4 **IF** offsite agency personnel (e.g., National Guard, MSP, etc. are stationed in the Owner Controlled Area, **THEN** determine if these personnel should be evacuated or if they will remain on site.
 - Take appropriate actions (e.g., evacuate, shelter, relocate on site, issue dosimetry, etc.) as necessary to protect the offsite agency personnel.

Reference	PMP-2080-EPP-100	Rev.33	Page 27 of 61
Emergency Response			
Attachment 5	Evacuation		Pages: 26 - 29

NOTE: Beach evacuation routes are pedestrian routes and should only be considered as a last resort, and only for those individuals that are able to walk over rugged terrain.

2 Site Evacuation

2.1 Rapid Egress

2.1.1 **IF** an event is in progress in which rapid evacuation of the Protected Area is necessary (e.g., airborne attack threat), **THEN** implement such evacuation by using the Rapid Egress Method.

- a. Contact the Security Shift Supervisor (2005 or 2731) to initiate Rapid Egress of the Protected Area.
 - Coordinate with the Security Shift Supervisor (and RP, if available, if a radiological release is imminent or in progress) as to which Security Portal(s) and evacuation route "(e.g., vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.) will be used for Protected Area evacuation.
 - **IF** using the Livingston Road route, **THEN** contact Security to unlock the gates.
 - Request that the Owner Controlled Area also be evacuated.
 - Instruct the Security Shift Supervisor to notify the SEC when evacuation of the Protected Area is complete.
 - Instruct the Security Shift Supervisor to notify the SEC when evacuation of the Owner Controlled Area is complete.

Reference	PMP-2080-EPP-100	Rev.33	Page 28 of 61
Emergency Response			
Attachment 5	Evacuation	Pages: 26 - 29	

- b. Direct an Operator to make the following announcements for personnel to exit the Protected Area per designated Security Portal(s). Modify the announcement if an alternate route (Livingston Road) is used and as conditions warrant. Make the same announcement two times.

“Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Due to the current plant conditions, all non-essential personnel are requested to exit the Protective Area using (specify Security portal, including location, e.g., ‘vehicle portal near the North Access Building’) and leave the site using (State the route) .”

- c. Direct an Operator to make the following announcements in the Training Building, NEST and Buchanan Office Building by dialing 1646. Modify the announcement if an alternate route is used (Livingston Road), and as conditions warrant.

“Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Due to the current plant conditions, all non-essential personnel are requested to leave the site using (State the route) .”

2.2 Normal Egress

- 2.2.1 **IF** normal egress from the Protected Area will be used for evacuation (North Access turnstiles), **THEN** contact the Security Shift Supervisor (2005 or 2731) to initiate evacuation.

- Coordinate with the Security Shift Supervisor (and RP, if a radiological release is imminent or in progress) as to which evacuation route “(e.g., vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.) will be used for evacuation.
- Request that the Owner Controlled Area also be evacuated.
- Instruct the Security Shift Supervisor to notify the SEC when evacuation of the Protected Area is complete.

Reference	PMP-2080-EPP-100	Rev.33	Page 29 of 61
Emergency Response			
Attachment 5	Evacuation		Pages: 26 - 29

- Instruct the Security Shift Supervisor to notify the SEC when evacuation of the Owner Controlled Area is complete. _____

2.3 Take any necessary follow-up actions.

2.3.1 **IF** pedestrian routes were used for evacuation, **THEN** coordinate with the EOF (if activated) or the Berrien County EOC to arrange for transportation for evacuees. _____

2.3.2 **IF** pedestrian routes were used for evacuation, **THEN** coordinate with the EOF to arrange for an alternate means of evacuation for those who were unable to evacuate **OR** shelter affected individuals in a safe area as designated by the SEC. _____

Reference	PMP-2080-EPP-100	Rev.33	Page 30 of 61
Emergency Response			
Attachment 6	Terminating a UE		Pages: 30

1 UE Termination

1.1 **IF** the conditions for the UE no longer exist, and no escalation of classification is expected, **THEN** perform the following:

1.1.1 Instruct operators to inform the MSP and BCSD that the event is terminated. _____

1.1.2 Instruct operators to:

- Fax a final EMD-32a form (with the current classification check box marked *Termination*) to MSP and BCSD. _____
- Verify that the form was received by the State and County. _____
- Notify the NRC (Red Phone – NRC Operations Center) that the emergency is terminated. _____

1.2 Inform both Control Rooms that the event is terminated. _____

1.3 Inform Security that the event is terminated (1118, 1119, 2005 or 2731). _____

1.4 Direct an operator to make a public address announcement that the UE has been terminated per the SEC. _____

2 Collection of Data

2.1 Provide for collection of data, paperwork, etc. related to the event and forward to Emergency Preparedness for disposition. _____

Reference	PMP-2080-EPP-100	Rev.33	Page 31 of 61
Emergency Response			
Attachment 7	Notification of On-Site Personnel	Pages: 31 - 34	

1 Notify Security

1.1 Inform the Security Shift Supervisor (ext. 2005 or 2731) or SAS Operator (ext. 1118 or 1119) of the initial emergency classification or classification upgrade. _____

1.1.1 **IF** an UE, **THEN** instruct Security to notify personnel as prescribed in Section 5 of the ERO Phone Directory. _____

a. Contact Time _____

1.1.2 **IF** an Alert, **THEN** instruct Security to notify personnel as prescribed in Section 5 of the ERO Phone Directory. _____

a. Contact Time _____

1.1.3 **IF** a SAE, **THEN** instruct Security to:

- Ready the Security Computer for accountability and prepare for subsequent evacuation. _____
- Notify personnel as prescribed in Section 5 of the ERO Phone Directory (if not already performed for this emergency). _____

a. Contact Time _____

1.1.4 **IF** a GE, **THEN** instruct Security to:

- Ready the Security Computer for accountability and prepare for subsequent evacuation (if not already performed for this emergency). _____
- Notify personnel per instructions in the ERO Phone Directory (if not already performed for this emergency). _____

a. Contact Time _____

Reference	PMP-2080-EPP-100	Rev.33	Page 32 of 61
Emergency Response			
Attachment 7	Notification of On-Site Personnel	Pages: 31 - 34	

1.1.5 IF conditions at the plant are such that personnel reporting to the plant would be at risk (e.g., security event, radiation release, toxic spill, etc.), THEN direct Security to close access to the plant until the SEC determines that the condition no longer exists. _____

a. Contact Time _____

2 Notify Chemistry and RP Technicians of the initial emergency classification. _____

2.1 Chemistry Contact Time _____

2.2 RP Contact Time _____

3 Make Public Address Announcements _____

CAUTION: PA announcements should not be made for some ICs (EALs) due to their sensitive nature. IF any of the H-2, Security ICs (EALs) have been used to classify the current event, THEN obtain SEC permission before making any PA announcements or sounding the NEA.

NOTE: PA announcements to perform Accountability, Attachment 4, and Evacuation, Attachment 5, are performed only once per event.

3.1 Direct an operator to make a PA announcement for the current classification. Make the announcement two times. Modify announcements below as conditions warrant. _____

3.1.1 IF in a UE, THEN make the following announcement two times:

“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.” _____

Reference	PMP-2080-EPP-100	Rev.33	Page 33 of 61
Emergency Response			
Attachment 7	Notification of On-Site Personnel	Pages: 31 - 34	

a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646. _____

b. Time announcements completed _____

3.1.2 **IF** in an Alert, **THEN** make the following announcement two times:

“Attention all personnel. Attention all personnel. An Alert has been declared due to _____ (brief description) _____.”

- **IF** emergency facilities are not already activated, **THEN** continue the announcement with:

“Activate the Operations Support Center, Technical Support Center, Emergency Operations Facility, and the Emergency News Center. All other personnel stand by for further announcements.” _____

a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646. _____

b. Time announcements completed _____

Reference	PMP-2080-EPP-100	Rev.33	Page 34 of 61
Emergency Response			
Attachment 7	Notification of On-Site Personnel	Pages: 31 - 34	

NOTE: Accountability is performed per Attachment 4, Accountability.

3.1.3 **IF** in a SAE **AND** accountability has already been performed per main body of procedure step 3.2.8, **THEN** make the following announcement two times:

- **“Attention all personnel. Attention all personnel. A Site Area Emergency has been declared due to (brief description).”**

1. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

2. Time announcements completed _____

3.1.4 **IF** in a SAE **AND** accountability has NOT been performed, **THEN** perform accountability in accordance with Attachment 4, Accountability.

3.1.5 **IF** in a GE **AND** accountability has already been performed per main body of procedure step 3.2.8, **THEN** make the following announcement two times:

- **“Attention all personnel. Attention all personnel. A General Emergency has been declared due to (brief description).”**

1. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

2. Time announcements completed _____

3.1.6 **IF** in a GE **AND** accountability has NOT been performed, **THEN** perform accountability in accordance with Attachment 4, Accountability.

Reference	PMP-2080-EPP-100	Rev.33	Page 35 of 61
Emergency Response			
Attachment 8	Notification of Off-Site Agencies	Pages: 35 - 39	

1 Accelerated Notifications to the NRC for Security Events.

1.1 IF the emergency is due to a security event **AND** the NRC has not yet been contacted, **THEN:**

1.1.1 Call the NRC Operations Center on the NRC "Red Phone" (FTS-2000 phone) by dialing 1-301-816-5100. _____

1.1.2 Provide an accelerated verbal notification, without hard copy, to the NRC with the following information: _____

- Site Name
- Emergency Classification, if determined.
- Nature of the threat (briefly describe)
 - Type of attack (e.g., armed assault by land, water, or aircraft)
 - Attack status (i.e., imminent, in progress, or repelled)

Reference	PMP-2080-EPP-100	Rev.33	Page 36 of 61
Emergency Response			
Attachment 8	Notification of Off-Site Agencies	Pages: 35 - 39	

NOTE: Notification to offsite authorities (State and County) must be completed within 15 minutes of classification.

2 Completing EMD-32 Form

- 2.1 Direct a licensed operator to complete Michigan State Police forms EMD32a and EMD-32b.

NOTE: PARs are developed using Attachment 1, Protective Action Recommendations.

Caution: Completion of a manual hard copy EMD-32 a and/or b form is required when an emergency has been declared and there is no radiological release in progress due to the event. Manual hard copies are developed using Attachment 12, "Manual Completion of EMD Forms".

- 2.1.1 **IF** a release is in progress due to the event, **THEN** coordinate with personnel performing dose assessment per PMP-2080-EPP-108, Initial Dose Assessment, for completion of EMD-32 form(s).

NOTE: An EMD-32a is required within 15 minutes of:

- An initial event classification, or
- A change of classification, or
- A change of PAR

- 2.1.2 **IF** there is NOT a release in progress due to the event **THEN** complete an EMD-32a form for the classification and/or PAR using Attachment 12, "Manual Completion of EMD Forms".

Reference	PMP-2080-EPP-100	Rev.33	Page 37 of 61
Emergency Response			
Attachment 8	Notification of Off-Site Agencies	Pages: 35 - 39	

NOTE: An EMD-32b is required to be transmitted with the EMD32a if:

- A General Emergency has been declared, or
- There is a PAR change is due to dose

An EMD-32b is required within 30 minutes of the previous EMD-32

- 2.1.3 IF there is NOT a release in progress due to the event **THEN** complete an EMD-32b form using Attachment 12, "Manual Completion of EMD Forms".
- 2.1.4 Performance of a new EMD-32a is required within 15 minutes of each subsequent classification upgrade.
- 2.1.5 IF a PAR or change in PAR is based on Dose Calculations, **THEN** an EMD-32b, Nuclear Plant Event Technical Data sheet must accompany the EMD-32a, Nuclear Plant Event Notification form.
- 2.1.6 Obtain the SM/SECs "Plant Approval" signature on the form(s).
- 2.1.7 Make copies of the form(s) as necessary for offsite notification phone communicators.

Reference	PMP-2080-EPP-100	Rev.33	Page 38 of 61
Emergency Response			
Attachment 8	Notification of Off-Site Agencies	Pages: 35 - 39	

NOTE: Alternate phones/extension may be used, at the discretion of the Unit Supervisor, or designee as conditions warrant.

3 Phone Contacts and Faxes (usually performed by AEOs)

- 3.1 Setup the Emergency Plan telephones (located in the "E-Plan" suitcase) in the back of the Control Room (if not already performed). _____
- 3.2 Direct contact with the MSP using Attachment 9, MSP Notification. _____
- 3.3 Direct contact with the BCSD using Attachment 10, Berrien County Sheriff Notification. _____

NOTE: Offsite agencies may wish to maintain constant communications with the Control Room until the EOF is activated.

- 3.4 Direct that the signed EMD-32 form(s) are faxed to MSP using Attachment 9, MSP Notification _____
- 3.5 Direct that the signed EMD-32 form(s) are faxed to BCSD using Attachment 10, Berrien County Sheriff Notification. _____
- 3.6 Direct that the NRC Operations Center is called on the NRC "Red Phone" Attachment 11, NRC Notification. _____

4 Follow Up Notifications

- 4.1 **UNLESS** the State of Michigan has been notified in advance of a delay or change in frequency, **THEN** direct a licensed operator to complete an EMD-32b form at least every 30 minutes, (commencing 30 minutes from initial notification) per step 2.1.

Reference	PMP-2080-EPP-100	Rev.33	Page 39 of 61
Emergency Response			
Attachment 8	Notification of Off-Site Agencies	Pages: 35 - 39	

4.2 **IF** there is no release in progress due to the event **THEN** complete a hard copy EMD-32b form, per Attachment 12.

- The EMD-32b, Release/Offsite Dose Data sections are only required to be completed if there is a release in progress due the event or one is suspected to be occurring.
- The EMD-32b, Measured Offsite Radiation Levels section only needs to be completed when data is available.

4.3 **IF** a release is in progress due to the event **THEN** coordinate with personnel performing dose assessment per PMP-2080-EPP-108, Initial Dose Assessment, for completion of EMD-32b.

4.4 Direct that the appropriate phone calls and faxes are completed per section 3 of this Attachment.

Reference	PMP-2080-EPP-100	Rev.33	Page 40 of 61
Emergency Response			
Attachment 9	MSP Notification	Pages: 40 - 42	

- NOTE:**
- Declaration of an emergency requires the notification of the Michigan State Police within 15 minutes.
 - Offsite agencies may wish to maintain constant communications with the Control Room until the EOF is activated.

1 Contact:

- MSP at 8-1-517-241-8000. (Alternate number 8-1-517-334-6223) using the MSP bridge phone (ext 1088) in the back of the Control Room.

NOTE: The phone is the primary means for communicating the EMD-32 information.

NOTE: An EMD-32a is required within 15 minutes of:

- The initial classification, or
- A change of classification, or
- A change of PAR

An EMD-32b is required within 30 minutes of the previous EMD-32b.

An EMD-32b is required to accompany an EMD-32a:

- if the declaration of a General Emergency is due to dose, or
- if a PAR change is due to dose

2 Provide the following to the MSP:

- Provide the information from the EMD-32 form.
- Obtain the officers/dispatcher's name and record on table.
- Inform the agency that the EMD-32 will be faxed.
- Request a callback (for authentication) and then hang up.

Reference	PMP-2080-EPP-100	Rev.33	Page 41 of 61
Emergency Response			
Attachment 9	MSP Notification	Pages: 40 - 42	

- For callback: MSP will callback to ext 1088 phone bridge. Phone will ring in the Control Room. Pick up phone when it rings.

OFF-SITE NOTIFICATION	PHONE NUMBER	CONTACT ESTABLISHED	EVENT CLOSEOUT
Michigan State Police	8-1-517-241-8000	_____/_____ Initials Time	_____/_____ Initials Time
Person Contacted	MSP Person Contacted: _____		
Call Back	Call Back / Bridge established: _____ Time		

- IF the MSP has additional questions THEN fill out Data Sheet 4, Request For Additional Information.
 - Write the question
 - Obtain the response and get approval
 - Provide the response to the MSP.

NOTE: Faxing the EMD-32 form(s) can be performed by either the MSP or BCSD communicator or other personnel as necessary.

3 Fax the signed EMD-32 form(s):

- Make sure that the form is signed by the Shift Manager.
- Orient the form(s), as shown on the fax machine, in either Control Room
- IF the EMD-32 have not already been faxed, THEN Push red Blast button to broadcast the form(s) to the State, County and ERFs.

Reference	PMP-2080-EPP-100	Rev.33	Page 42 of 61
Emergency Response			
Attachment 9	MSP Notification		Pages: 40 - 42

- Push the start button _____
 - a. **IF** the broadcast feature does not work, **THEN** fax the form(s) individually to the following numbers: _____
 - MSP Operations Center: 8-1-517-241-6815
 - State EOC: 8-1-517-333-4987
 - BC EOC: 8-1-269-934-9023
 - b. **IF** the broadcast feature does not work **AND** the ERFs will be activated (at Alert or higher, or UE per SEC discretion), **THEN** also send EMD-32 form(s) to the following: _____
 - EOF: 8-284-2942
 - TSC: 2431
 - ENC/JIC: 8-284-5892
 - OSC: 2522
- 4 **WHEN** the EOF has established communication with the MSP, **THEN** the EOF will inform the Control Room that the EOF has taken over communications with the MSP. This may be done via the Boardwriter's or Manager's bridge. _____

Reference	PMP-2080-EPP-100	Rev.33	Page 43 of 61
Emergency Response			
Attachment 10	Berrien County Sheriff Notification	Pages: 43 - 45	

- NOTE:**
- Declaration of an emergency requires the notification of the BCSD within 15 minutes.
 - Offsite agencies may wish to maintain constant communications with the Control Room until the EOF is activated.
 - The dedicated phone line is connected between the Control Rooms, SAS, CAS, EOF, the County EOC and the 911 dispatcher's console.

1 Contact:

- BCSD by lifting and talking into the phone. The phone is part of a dedicated line that is connected directly with the 911 dispatcher. _____
- **IF** the dedicated line does not work, **THEN** contact the BCSD at 8-1-269-983-7141 and dial 4900 if the automated system answers.
- **IF** the dedicated line does not work, **THEN** request a callback (for authentication) and then hang up.
- For callback: dial extension 2316 and wait for the deputy to call into the phone bridge.

NOTE: The phone is the primary means for communicating the EMD-32 information.

2 Provide the following to the BCSD: _____

- Provide the information from the EMD-32 form.
- Obtain the officers/dispatcher's name and record on table.
- Inform the agency that the EMD-32 will be faxed.

Reference	PMP-2080-EPP-100	Rev.33	Page 44 of 61
Emergency Response			
Attachment 10	Berrien County Sheriff Notification	Pages: 43 - 45	

OFF-SITE NOTIFICATION	PHONE NUMBER	CONTACT ESTABLISHED	EVENT CLOSEOUT
Berrien County Sheriff's Department	Dedicated phone line. (IF there is no response on the dedicated line, THEN dial 8-1-269-983-7141)	_____/_____ Initials Time	_____/_____ Initials Time
Person Contacted	BCSD Person Contacted: _____		
Call Back	Call Back / Bridge established: _____ Time		

- IF the BCSD has additional questions THEN fill out Data Sheet 4, Request For Additional Information.
 - Write the question
 - Obtain the response and get approval
 - Provide the response to the BCSD. _____

NOTE: Faxing the EMD-32 form(s) can be performed by either the MSP or BCSD communicator or other personnel as necessary.

3 Fax the signed EMD-32 form(s):

- Make sure that the form is signed by the Shift Manager. _____
- Orient the form(s), as shown on the fax machine, in either Control Room _____
- IF the EMD-32 have not already been faxed, THEN Push the red Blast button to broadcast the form(s) to the State, County and ERFs. _____

Reference	PMP-2080-EPP-100	Rev.33	Page 45 of 61
Emergency Response			
Attachment 10	Berrien County Sheriff Notification	Pages: 43 - 45	

- Push the start button _____
 - a. **IF** the broadcast feature does not work, **THEN** fax the form(s) individually to the following numbers: _____
 - MSP Operations Center: 8-1-517-241-6815
 - State EOC: 8-1-517-333-4987
 - BC EOC: 8-1-269-934-9023
 - b. **IF** the broadcast feature does not work **AND** the ERFs will be activated (at Alert or higher, or UE per SEC discretion), **THEN** also send EMD-32 form(s) to the following: _____
 - EOF: 8-284-2942
 - TSC: 2431
 - ENC/JIC: 8-284-5892
 - OSC: 2522
- 4 **WHEN** the EOF has established communication with the BCSD, **THEN** the EOF will inform the Control Room that the EOF has taken over communications with the BCSD. This may be done via the Boardwriter's or Manager's bridge. _____

Reference	PMP-2080-EPP-100	Rev.33	Page 46 of 61
Emergency Response			
Attachment 11	NRC Notification		Pages: 46 - 47

NOTE: The Operations NRC Communicator is normally stationed in the affected unit's Control Room.

NOTE: Declaration of an emergency requires notification of the NRC following notification of the state and county and in all cases must be completed within one hour.

1 Contact:

- IF 10 CFR 50.54 (X) and (Y) are invoked, **THEN** notify the NRC as per PMP-7030-001-001, Prompt NRC Notification.
- Call the NRC Operations Center on the NRC "Red Phone" (FTS-2000 phone) by dialing 1-301-816-5100. Alternate numbers are listed on the table below.
- Inform the NRC of the event in progress
- Provide the information on Data Sheet 3, Plant Status
- IF the NRC has additional questions **THEN** fill out Data Sheet 4, Request For Additional Information.
 - Write the question
 - Obtain the response and get approval
 - Provide the response to the NRC.
- Ask the NRC for the Event Notification Number (EN).

Reference	PMP-2080-EPP-100	Rev.33	Page 47 of 61
Emergency Response			
Attachment 11	NRC Notification		Pages: 46 - 47

OFF-SITE NOTIFICATION	PHONE NUMBER	CONTACT ESTABLISHED	EVENT CLOSEOUT
NRC Operations Center	1-301-816-5100 1-301-951-0550 1-301-415-0553 8-1-301-816-5151 (FAX)	_____/_____ Initials Time	_____/_____ Initials Time
Person Contacted	NRC Person Contacted: _____ Continuous contact will be required for an Alert, Site Area Emergency of General Emergency.		
Event Notification Number	Ask NRC for the EN: _____ (Needed for Data Sheet 1 of PMP-7030-001-001, Prompt NRC Notification)		

- 2 **WHEN** the EOF has established communication with the NRC, **THEN** the EOF will inform the Control Room that the EOF has taken over communications with the NRC. This may be done via the Boardwriters or Managers bridge.

Reference	PMP-2080-EPP-100	Rev.33	Page 48 of 61
Emergency Response			
Attachment 12	Manual Completion of EMD Forms		Pages: 48 - 51

Caution: Completion of a manual hard copy EMD-32 a and/or b form is required when an emergency has been declared and there is no radiological release in progress due to the event.

NOTE: An EMD-32a is required within 15 minutes of:

- An initial event classification, or
- A change of classification, or
- A change of PAR

1 Manual completion of hard copy EMD-32a, "Nuclear Plant Event Notification":

- Indicate whether this is an "Actual Event" or a "Drill"
- Record "Nuclear Power Plant" as Cook Nuclear Plant
- Record name of Plant Communicator(s)
- Indicate location where this form is being generated (Calling From)
- Record "Call Back Telephone Number" 269-465-5901 Ext. 1088
- Record "Plant Message Number"
- Indicate "Current Classification"
- Indicate date and time of current classification was declared
- Indicate "Reason for Classification"
- Record the IC Number
- Indicate "YES" or "NO" for "Radiological Release in Progress Due to Event"
- Indicate any current "Protective Action Recommendations"

Reference	PMP-2080-EPP-100	Rev.33	Page 49 of 61
Emergency Response			
Attachment 12	Manual Completion of EMD Forms		Pages: 48 - 51

- Record PAR basis
- Record "Meteorological Data", alternate sources are listed in PMP-2080-EPP-108, Initial Dose Assessment, Attachment 1.
- Forward completed form to Approver
- Complete "Approved By", date and time
- Forward completed approved form for transmission

NOTE: An EMD-32b is required to be transmitted with the EMD32a if:

- A General Emergency has been declared, or
- There is a PAR change is due to dose

An EMD-32b is required within 30 minutes of the previous EMD-32

2 Manual completion of hard copy EMD-32b, "Nuclear Plant Event Technical Data":

- Indicate whether this is an "Actual Event" or a "Drill"
- Record "Nuclear Power Plant" as Cook Nuclear Plant
- Record name of "Plant Communicator"(s)
- Indicate location where this form is being generated (Calling From)
- Record "Call Back Telephone Number" 269-465-5901 Ext. 1088
- Record "Plant Message Number"
- Record "Meteorological Data", alternate sources are listed in PMP-2080-EPP-108, Initial Dose Assessment, Attachment 1.
- Record "Reactor Information"
- Record "Plant Status/Additional Information"

Reference	PMP-2080-EPP-100	Rev.33	Page 50 of 61
Emergency Response			
Attachment 12	Manual Completion of EMD Forms		Pages: 48 - 51

- **IF** there is a release in progress due to the event **THEN** complete known information in "Release/Offsite Dose Data" areas
- **IF** there is NOT a release in progress due to the event **THEN** mark the "Release/Offsite Dose Data" areas as Not Applicable, N/A.
- Forward completed form to Approver
- Complete "Approved By", date and time
- Forward completed approved form for transmission

Reference	PMP-2080-EPP-100	Rev.33	Page 51 of 61
Emergency Response			
Attachment 13	Activation of FLEX Phase 3		Page: 51

NOTE: The SAFER Control Center (SCC) is the lead organization for responding to the operational implications of an event and will coordinate the industry response to an emergency, if requested.

- 1 **WHEN** directed by the SM-SEC **THEN** contact the SAFER Control Center (SCC) at 434-832-3777 to activate the National SAFER Response Center (NSRC).
 - **WHEN** communication is established **THEN** provide the following information:
 - Indicate whether this is an "Actual Event" or a "Drill"
 - Plant name and affected units
 - Your name and position/title
 - The reason for the call, "Activation of the National SAFER Response Center for the Cook Nuclear Plant"
- 2 The NSRC will arrange for delivery of FLEX Phase 3 to Staging Area "C" (South Bend Regional Airport).
- 3 The SM-SEC or designee has the responsibility to communicate and coordinate activities with the SAFER SCC Team Lead until the EOF is activated. Examples of coordination include, but are not limited to:
 - Informing SAFER of the selection of Staging Area location and status of accessibility of Staging Area "C" and associated travel routes to the site.
 - Receipt of periodic status reports on the shipment from the SAFER SCC Team Lead
 - Informing the SAFER SCC Team Lead of specific delivery instructions including diverting a shipment from Staging area "C" to Staging Area "B".
- 4 From the State of Michigan Emergency Operations Center request a heavy or medium lift helicopter capable of lifting 8,000 lbs. to move equipment from Staging Area "C" to Staging Area "B".
- 5 From the NRC ENS request a heavy or medium lift helicopter capable of lifting 8,000 lbs. to move equipment from Staging Area "C" to Staging Area "B".

Reference	PMP-2080-EPP-100	Rev.33	Page 52 of 61
Emergency Response			
Data Sheet 1	PPC or PSS Control Room Data		Pages: 52 - 53

Unit No: _____ Date: _____ Time: _____

Data Taken By: _____ Data Reviewed By: _____

NOTE: When redundant indication exists, record most severe condition.

- | | | | |
|---------------------------------------|-----------------|---|--------------------|
| 1. Containment Temp. | _____ °F | 5. Intermediate Range | _____ AMPS |
| 2. Cont. H ₂ Concentration | _____ % | 6. Containment Pressure | _____ PSIG |
| 3. RWST Level | _____ % | 7. Containment Sump Level | _____ % |
| 4. Source Range | _____ CPM | 8. Containment Level | _____ % |
| | | 9. Containment High Range Radiation Level | _____ / _____ R/HR |
| | | Upper/Lower | |
| 10. CTS Pumps | East ON / OFF | West ON / OFF | |
| 11. RHR Spray Flow | East _____ GPM | West _____ GPM | |
| 12. SI Flow | North _____ GPM | South _____ GPM | |
| 13. BIT Flow | LP1 _____ GPM | LP2 _____ GPM | LP3 _____ GPM |
| 14. Accum Pressure | LP1 _____ PSIG | LP2 _____ PSIG | LP3 _____ PSIG |
| 15. RHR Injection Flow | East _____ GPM | West _____ GPM | LP4 _____ GPM |
| 16. RCP Status | LP1 ON / OFF | LP2 ON / OFF | LP3 ON / OFF |
| | | | LP4 ON / OFF |
| 17. RCS Pressure | _____ PSIG | 23. PRT Level | _____ % |
| 18. Charging Flow | _____ GPM | 24. PRT Pressure | _____ PSIG |
| 19. PZR Liquid Temp. | _____ °F | 25. PZR Cycling Htrs | ON / OFF |
| 20. PZR Steam Temp. | _____ °F | 26. PZR Backup Htrs | ON / OFF |
| 21. PZR Level | _____ % | 27. Letdown Flow | _____ GPM |
| 22. PRT Temp. | _____ °F | 28. Saturation Margin | _____ °F |

Reference	PMP-2080-EPP-100	Rev.33	Page 53 of 61
Emergency Response			
Data Sheet 1	PPC or PSS Control Room Data	Pages: 52 - 53	

NSSS LOOP PARAMETERS

	Loop 1	Loop 2	Loop 3	Loop 4
29. Wide Range T Hot	_____ °F	_____ °F	_____ °F	_____ °F
30. Wide Range T Cold	_____ °F	_____ °F	_____ °F	_____ °F
31. S / G Pressure	_____ PSIG	_____ PSIG	_____ PSIG	_____ PSIG
32. S / G N. R. Level	_____ %	_____ %	_____ %	_____ %
33. S / G W. R. Level	_____ %	_____ %	_____ %	_____ %
34. Steam Flow (pph x 10 ⁶)	_____	_____	_____	_____
35. Feed Flow (pph x 10 ⁶)	_____	_____	_____	_____
36. Aux. Feed Flow (pph x 10 ³)	_____	_____	_____	_____
37. MSIV Status	OPEN / CLOSE	OPEN / CLOSE	OPEN / CLOSE	OPEN / CLOSE
38. CST Level	_____ %	_____ Ft		
39. Steam Dump	ATMOS / COND			

EQUIPMENT STATUS

AVAILABLE / UNAVAILABLE			AVAILABLE / UNAVAILABLE		
40. East ESW	_____ / _____		50. East CCP	_____ / _____	
41. West ESW	_____ / _____		51. West CCP	_____ / _____	
42. East CCW	_____ / _____		52. TDAFP	_____ / _____	
43. West CCW	_____ / _____		53. EMDAFP	_____ / _____	
44. East CTS	_____ / _____		54. WMDAFP	_____ / _____	
45. West CTS	_____ / _____		55. AB Diesel	_____ / _____	
46. North SI	_____ / _____		56. CD Diesel	_____ / _____	
47. South SI	_____ / _____		57. Normal Res.	_____ / _____	
48. East RHR	_____ / _____		58. 12 EP	_____ / _____	
49. West RHR	_____ / _____				

Reference	PMP-2080-EPP-100	Rev.33	Page 54 of 61
Emergency Response			
Data Sheet 2	Emergency Turnover Checklist		Pages: 54 - 57

Unit No: _____ Date: _____ Time: _____

1. Emergency Classification

	<u>Time Declared</u>
_____ Unusual Event	_____
_____ Alert	_____
_____ Site Area Emergency	_____
_____ General Emergency	_____

2. Have notifications been completed?

a. Michigan:	yes / no / in progress	Time: _____
b. Berrien County:	yes / no / in progress	Time: _____
c. NRC:	yes / no / in progress	Time: _____
d. DC Cook 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: _____

4. Offsite protective action recommended:

• Evacuation:	yes / no areas: _____	Time: _____
• Shelter:	yes / no areas: _____	Time: _____

Reference	PMP-2080-EPP-100	Rev.33	Page 55 of 61
Emergency Response			
Data Sheet 2	Emergency Turnover Checklist		Pages: 54 - 57

5. Plant Operational Status

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

b. ESF Status: _____

c. EOP Status: _____

6. Plant Status

a. Chronology of Events

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

b. Current Plant Conditions

Reference	PMP-2080-EPP-100	Rev.33	Page 56 of 61
Emergency Response			
Data Sheet 2	Emergency Turnover Checklist	Pages: 54 - 57	

c. Potential for Plant Degradation

d. Mitigating Actions Taken or Underway

7. Plant Radiological Conditions

a. In-plant/Onsite Radiological Conditions

Reference	PMP-2080-EPP-100	Rev.33	Page 58 of 61
Emergency Response			
Data Sheet 3	Plant Status		Pages: 58 - 59

NOTE: This Data Sheet is to be used as a guide for the communicator talking to the NRC. It is not required to be sent unless asked for by the NRC.

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 – check all that apply for the current plant conditions

- 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
-

Reference	PMP-2080-EPP-100	Rev.33	Page 59 of 61
Emergency Response			
Data Sheet 3	Plant Status		Pages: 58 - 59

RCS Heat Transport Control – check all that apply for the current plant conditions

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

RCS Heat Sink (Available or In Operation) – check all that apply for the current plant conditions

S/G – Condenser Dump Valves _____
 S/G – Atmospheric Dump Valves _____
 S/G – Safety Valves _____
 RCS – Feed/Bleed _____
 Decay Heat Removal System (RHR) _____

S/G Inventory Control – check all that apply for the current plant conditions

Main Feed Water _____
 Aux. Feed Water _____
 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 |

Additional Information

Reference	PMP-2080-EPP-100	Rev.33	Page 60 of 61
Emergency Response			
Data Sheet 4	Request For Additional Information		Pages: 60

Request for additional information

Source of request: ☐ MSP
☐ BCSD
☐ NRC
☐ Other _____
Date _____ Time _____

Question: _____

Response: _____

Response approved by: _____
SEC or designee

Response delivered to requesting organization:

Date _____ Time _____ by Whom _____

Reference	PMP-2080-EPP-100	Rev.33	Page 61 of 61
Emergency Response			
Data Sheet 5	Contingency Team Tracking Form		Page 61

[illegible]

REVISION SUMMARY

Procedure No.: PMP-2080-EPP-100

Rev. No.: 33

Title: Emergency Response

Alteration	Justification
<p>This procedure implements the Cook Emergency Plan. This process is wholly controlled under 10 CFR 50.54 (q) and plant procedure RMA-2080-EPA-008, Emergency Plan Management; therefore a 50.59 review is not required.</p> <p>This procedure does not involve a change to the ISFSI facility, spent fuel cask design or procedures that affect the design function, or method of performing, controlling or evaluating the design function. As such, a 10 CFR 72.48 review is not required for this procedure.</p> <p>10 CFR 50.54(q) review was performed and documented. The number for the 50.54(q) is annotated in the workflow for this revision.</p> <p>The conclusion was that the changes in this revision do continue to comply with the requirements of §50.47(b) and §50 Appendix E and the changes do not constitute a reduction in effectiveness. Therefore, this Cook Emergency Plan Implementing Procedure can be implemented without prior approval.</p>	
Added step 3.3.3, "Notify Offsite Authorities of the emergency using Attachment 8, Notification of Off-site Personnel."	Step was omitted from Revision 32.

Office Information for Form Tracking Only - Not Part of Form

This is a free-form as called out in PMP-2010-PRC-002, Procedure Alteration, Review, and Approval.

Page 1 of 2

REVISION SUMMARY

Procedure No.: PMP-2080-EPP-100

Rev. No.: 33

Title: Emergency Response

IMPLEMENTATION PLAN

Summary of Change

See Rev Summary

Reason for Change

See Rev Summary

Implementation Schedule

PORC meeting week of 1/11/16

Effective date week of 1/18/16

Training Needs

None

Expiration Date

None

Required Basis Documents Update

None

Related Processes and Procedures

None

Transition Plan

None

Related Equipment Modifications

None

Communication Plan

None

Special Tools, Aids, Permits, Etc.

None

Related Actions

Office Information for Form Tracking Only - Not Part of Form

This is a free-form as called out in PMP-2010-PRC-002, Procedure Alteration, Review, and Approval.

IMPLEMENTING PROCEDURE

EPP-2080-ERO-001, Emergency Response Resource Readiness, Revision 14

Doc No.: EPP-2080-ERO-001
Title: EMERGENCY RESPONSE
RESOURCE READINESS

Rev
No.: 014

Alteration Cat.: Major Revision - Full Review
CDI/50.59:1 50.54(q) 15-54
CDI/50.59:2 PORC #4666

PORC Mtg. No.: 4666
CARB Mtg. No.:
Admin Hold AR
No.:
Superceding
Proc(s):

Temp Proc Exp
Date:
Temp Change Exp
Date:
Temp
Proc/Change End:
Effective Date: 2/3/2016 12:00:00 AM

Approvals

Name	Review/Approval Type/Capacity	Date
Becvar, Robert J (s228955)	1 Special Review : E-PLAN GROUP	12/11/2015 10:29
Peterson, Gerald T (i689988)	3 Technical Review	12/18/2015 10:12
Hart, William E (i376639)	3 Technical Review	01/08/2016 10:21
Henderson, Kristen M (s008645)	5 Management Review	01/14/2016 07:33
Wendzel, Regan (s007887)	7 Approval Authority	01/14/2016 13:22

Signature Comments

10 CFR 50.54 (q) 15-54 completed.
Validation Reviews were performed by Tipton-Stone, EP; Hejduk, EP; Simpson, EP; Crisenberry, EP; Wiederwax, EP. Cross Discipline Review was performed by Griffin, RP.
Technical Review performed by Jerry Peterson.
PORC Approval obtained at meeting 4666

Approved at PORC per Plant Manager, Jim Ross.



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Emergency Response Resource Readiness			
Multi			
<u>Bill Hart</u> Writer	<u>Emergency Preparedness</u> Document Owner	<u>Emergency Preparedness</u> Cognizant Organization	

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Multi			
<u>Bill Hart</u> Writer	<u>Emergency Preparedness</u> Document Owner	<u>Emergency Preparedness</u> Cognizant Organization	

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Emergency Response Resource Readiness			

1 PURPOSE AND SCOPE

- 1.1 The purpose of this procedure is to enumerate and provide a scheduling mechanism to assure completion of periodic Emergency Preparedness Program maintenance requirements.
- 1.2 Establish methods to ensure that all onsite and offsite emergency response facilities and equipment staging areas are stocked with materials, equipment, and instrumentation necessary to effectively respond to an emergency situation.
- 1.3 This procedure applies to the following periodic requirements:
 - 1.3.1 Emergency Response Organization (ERO) drills and exercises
 - 1.3.2 Emergency Response facility inventories
 - 1.3.3 Communications systems tests
 - 1.3.4 Emergency Preparedness (EP) equipment functional tests
 - 1.3.5 Emergency Response Data System (ERDS) test

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2 DEFINITIONS AND ABBREVIATIONS

Term	Meaning
AR	Action Request
BCSD	Berrien County Sheriff's Department
CAS	Central Alarm Station
CREC	Control Room RP Emergency Cabinet
DAP	Dose Assessment Program
ED	Electronic Dosimeter
ENC	Emergency News Center
ENS	Emergency Notification System
EOF	Emergency Operations Facility
EP	Emergency Preparedness
EPIP	Emergency Plan Implementing Procedure
EPM	Emergency Preparedness Manager
ER	Emergency Room
ERDS	Emergency Response Data System
ERO	Emergency Response Organization
ERONS	Emergency Response Organization Notification System
FTS-2001	Federal Telephone System-2001. This Federally owned phone network is used in the Cook Plant Control Rooms, Technical Support Center and Emergency Operations Facility for communications directly to various functional areas within the NRC. It is owned, operated and maintained by the Federal Government.
JIC	Joint Information Center
KI	Potassium Iodide
LMC	Lakeland Medical Center

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Term	Meaning
MSP	Michigan State Police
NDM	Nuclear Document Management
NRC	Nuclear Regulatory Commission
OBA	Office Building Addition
OSC	Operations Support Center
PAM	Personal Alarming Module
PAS	Public Address System
PPC	Plant Process Computer
RP	Radiation Protection
RPAC	Radiation Protection Access Control
SAS	Secondary Alarm Station
SBE	Service Building Extension
SCC	Security Control Center
SCBA	Self Contained Breathing Apparatus
SPS	Site Protective Services
SRD	Self Reading Dosimeter
SV	Survey Vehicle
TLD	Thermoluminescent Dosimeter
TSC	Technical Support Center
TRPAC	Turbine RPAC

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3 PRECAUTIONS AND LIMITATIONS

- 3.1 When performing readiness checks in either the Control Room the Operations Shift Manager's office should be informed.
- 3.2 A control Thermoluminescent Dosimeter (TLD) shall be located in all assigned TLD storage areas.
- 3.3 Silver Zeolite cartridges have an extended shelf life and need not be changed out until near the end of shelf life or if the package is opened.
 - New cartridges should be marked with their expiration date if not already marked by the manufacturer.
- 3.4 All readiness checks shall be documented on the applicable data sheet.
- 3.5 This procedure may be performed in part or in whole depending on data sheet(s) being performed.
- 3.6 Individual steps or sections of data sheets may be N/A iaw PMP-2010-PRC-003, "Procedure and Work Instruction Use and Adherence".
- 3.7 EP resource readiness checks on RP equipment do not include handling of radioactive sources. This is the responsibility of RP.

4 DETAILS

- 4.1 Responsibilities
 - 4.1.1 The EPM is responsible for the execution of this procedure.
 - 4.1.2 The EPM or designee is responsible for reviewing and signing the data sheets.

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4.1.3 The following Data Sheets are performed by an Emergency Preparedness Coordinator or designee.

- Data Sheet 1, EOF Monthly Checklist
- Data Sheet 2, EOF Quarterly Checklist
- Data Sheet 4, TSC Monthly Checklist
- Data Sheet 5, TSC Quarterly Checklist
- Data Sheet 7, OSC Monthly Checklist
- Data Sheet 8, OSC Quarterly Checklist
- Data Sheet 10, ENC/JIC Monthly Checklist
- Data Sheet 11, Survey Vehicle Monthly Checklist
- Data Sheet 13, Control Room Monthly Checklist
- Data Sheet 16, CAS/SAS Monthly Checklist
- Data Sheet 17, Emergency Response Data System Testing
- Data Sheet 24, Monthly Satellite Phone Checks

4.1.4 The following Data Sheets are performed by Radiation Protection.

- Data Sheet 3, EOF Quarterly Radiation Protection Checklist
- Data Sheet 6, TSC Quarterly Radiation Protection Checklist
- Data Sheet 9, OSC Quarterly Radiation Protection Checklist
- Data Sheet 12, Survey Vehicle Radiation Protection Quarterly Checklist
- Data Sheet 14, Control Room Quarterly Radiation Protection Checklist
- Data Sheet 15, Control Room Emergency Cabinet Quarterly Radiation Protection Checklist
- Data Sheet 18, Berrien County EOC Radiation Protection Quarterly Checklist
- Data Sheet 19, Training Center Radiation Protection Quarterly Checklist
- Data Sheet 20, LMC Radiation Protection Quarterly Checklist
- Data Sheet 21, Emergency Sampling Station Quarterly Radiation Protection Checklist
- Data Sheet 22, Emergency Plan Respiratory Protection Quarterly Checklist
- Data Sheet 23, RP/Ops Emergency Response Equipment Quarterly Checklist
- Data Sheet 25, Radiation Protection Portable Instrument Kit Inventory
- Data Sheet 26, Security Control Center

4.2 The ERO facility resource readiness requirements are shown on Data Sheets 1 thru 10 and identify each facility's setup, equipment readiness check and supplies inventory.

4.2.1 Attachment 1, Functional Checks of EOF NRC and MSP Phones and Attachment 2, Functional Checks of TSC NRC and MSP Phones, provide instructions for performing the phone test.

4.2.2 Attachment 3, Functional Checks of ERO Facility Equipment, provides instructions for performing the equipment checks for Data Sheets 1 thru 10.

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- 4.2.3 Place a “✓” or “X” in the box next to each item to signify acceptability.
- 4.2.4 A signature block is provided for the person performing the check.
- 4.3 The data sheets list the minimum required equipment, tools, or supplies needed. **IF** items are missing, **THEN** initiate an AR as appropriate and replace promptly.
- 4.3.1 **IF** a required item cannot be replaced promptly, **THEN** an item with equivalent function can be substituted in its place until the originally required item can be replaced. For example: a frisker could be temporarily substituted for a portal monitor.
- **IF** an item is substituted, **THEN** it should be noted in the comments section of the applicable data sheet.
- 4.4 Emergency Preparedness Staging Locations
- 4.4.1 The EOF is located at 500 Circle Drive, Buchanan (AEPNG Office Building). The RP equipment and supplies are located in the storage room behind the log in board. The readiness check is performed using Data Sheet 1, EOF Monthly Checklist, Data Sheet 2, EOF Quarterly Checklist, Data Sheet 3, EOF Quarterly Radiation Protection Checklist.
- 4.4.2 The TSC is located above the Operations Shift Manager’s office. RP equipment and supplies are located in a cabinet in the Communications Room. The readiness check is performed using, Data Sheet 4, TSC Monthly Checklist, Data Sheet 5, TSC Quarterly Checklist or Datasheet 6, TSC Quarterly Radiation Protection Checklist
- 4.4.3 The OSC is located in the basement of the Lakeside Office Building below the cafeteria and lobby. RP supplies are located in the shower room, the RP Equipment storage room and in the North Basement Classroom. The readiness check is performed using Data Sheet 7, OSC Monthly Checklist, Data Sheet 8, OSC Quarterly Checklist, and Data Sheet 9, OSC Quarterly Radiation Protection Checklist.
- 4.4.4 The CREC is located on 633’ elevation turbine deck next to TSC stairway. The readiness check is performed using Data Sheet 14, Control Room Quarterly Radiation Protection Checklist
- 4.4.5 The locations of the Emergency RP supply boxes are stated in Appendix C of the Cook Emergency Plan.

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- 4.4.6 The Security Control Center is located in the traffic portal area of the North Security Control Center. The readiness check is performed using Data Sheet 26, Security Control Center.
- 4.4.7 The ERO equipment in the Training Center is located in the hallway near room 1128. The readiness check is performed using Data Sheet 19, Training Center Radiation Protection Quarterly Checklist.
- 4.4.8 Lakeland Regional Medical Center, St. Joseph, is located at 1234 Napier Avenue in St. Joseph. The readiness check is performed using Data Sheet 20, LMC Radiation Protection Quarterly Checklist.
- 4.4.9 Lakeland Medical Center, Niles, is located at 31 North St. Joseph Street in Niles. The readiness check is performed using Data Sheet 20, LMC Radiation Protection Quarterly Checklist.
- 4.4.10 Berrien County Public Safety Communication Center office is located at 2100 East Empire Avenue, Benton Harbor. The readiness check is performed using Data Sheet 18, Berrien County EOC Radiation Protection Quarterly Checklist.
- 4.4.11 RP/Operations Emergency Response Equipment is located in several locations within the plant. The readiness check is performed quarterly using Data Sheet 23, RP/Ops Emergency Response Equipment Quarterly Checklist.
- 4.5 Quarterly checks of the accountability card readers are performed by Security personnel using SPP-2060-SFI-308, Tests of Security Related Equipment.
- 4.6 Control Room readiness checks are performed using Data Sheet 13, Control Room Quarterly Radiation Protection Checklist .
- 4.7 CAS/SAS readiness checks are performed using Data Sheet 16, CAS/SAS Monthly Checklist.
- 4.8 **IF** any of the ERO equipment is found to be not functional or acceptable, **THEN** initiate an Action Request using PMP-7030-CAP-001, Action Initiation. Document the Action Request number in the comment section on the applicable facility/emergency equipment staging area data sheet.
- 4.9 Satellite phones readiness checks are performed using Data Sheet 24, Monthly Satellite Phone Checks.
- 4.10 Make a copy of the completed data sheets for retention by the EP Department.

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5 FINAL CONDITIONS

- 5.1 Completed datasheets are transmitted to NDM per PMP-2030-REC-001, Records Management.

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6 REFERENCES

6.1 Use References:

- 6.1.1 PMP-2030-REC-001, Records Management
- 6.1.2 PMP-7030-CAP-001, Action Initiation
- 6.1.3 PMP-2350-CMS-001, Commitment Management
- 6.1.4 RMT-2080-EOF-001, Activation and Operation of the EOF
- 6.1.5 RMT-2080-OSC-001, Activation and Operation of the OSC
- 6.1.6 RMT-2080-TSC-001, Activation and Operation of the TSC

6.2 Writing References:

6.2.1 Source References:

- a. Emergency Station Minimum Inventory Requirements, RP-95-03
- b. D.C. Cook Emergency Plan, Appendix C
- c. NRC Commitment 1179
- d. NRC Commitment 5392

6.2.2 General References

- a. 10 CFR 50.47(b)
- b. 10 CFR 50, Appendix E
- c. NUREG-0654/FEMA-REP- 1, Criteria for Preparation and Evaluation of Radiological Emergency Plans and Preparedness in Support of Nuclear Power Plants.
- d. D.C. Cook Emergency Plan, Appendix K
- e. AR 00863697

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Emergency Response Resource Readiness			
Attachment 1	Functional Checks of EOF NRC and MSP Phones	Pages: 12	

1 Monthly Phone System Test in the EOF

NOTE: A "1" must be dialed prior to dialing the 10 digit NRC number.

- 1.1 Test the nine (9) phones listed below by dialing the NRC on one phone using the main number on the phone label.

NOTE: Use the backup number only if the communications cannot be achieved using the main number. Verify satisfactory 2-way communication is achieved.

- 1.2 IF 2-way communication is not achieved, **THEN** notify the NRC to issue a work ticket to the phone company.
- 1.3 Check the other phones by calling the next phone by dialing 700 plus the 7 digit number on the phone you are calling.

Area	Abbreviation	Meaning
NRC Work Center	HPN	Health Physics Network
NRC Work Center	PMCL	Protective Measure Counterpart Link
NRC Work Center	RSCL	Reactor Safety Counterpart Link
Dose Assessment Area	HPN	Health Physics Network
Dose Assessment Area	HPN	Health Physics Network
Dose Assessment Area	PMCL	Protective Measure Counterpart Link
Main Area of the EOF	MCL	Management Counterpart Link
Main Area of the EOF	ENS	Emergency Notification System (Red Phone)
Main Area of the EOF	ENS	Emergency Notification System (Red Phone)

- 1.4 Call the Michigan State Police, Emergency Management and Homeland Security Division, in Lansing at 1-517-333-5025 and provide the EOF number being used (269-697-2931).
- 1.5 Document completion of test using Data Sheet 1, EOF Monthly Checklist.

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Emergency Response Resource Readiness			
Attachment 2	Functional Checks of TSC NRC and MSP Phones	Pages: 13 - 14	

1 Monthly NRC Phone System Test in the TSC.

NOTE: A "1" must be dialed prior to dialing the 10 digit NRC number.

- 1.1 Notify both Control Rooms that the monthly NRC phone check is being conducted.
- 1.2 When performing readiness checks in the Technical Support Center contact the Operation Work Control Center to inform them of the location and tests about to take place.
 - 1.2.1 The Control Room NRC Phone will ring once but should be disregarded.
- 1.3 Test the phones listed below by dialing the NRC on one phone using the main number on the phone label.

NOTE: Use the backup number only if the communications cannot be achieved using the main number. Verify satisfactory 2-way communication is achieved.

- 1.3.1 **IF** 2-way communication is not achieved, **THEN** notify the NRC to issue a work ticket to the phone company.
- 1.4 Check the other phones by calling the next phone, dialing 700 plus the 7 digit number on the phone you are calling

Phone	Abbreviation	Meaning
NRC Communication	HPN	Health Physics Network
NRC Communication	PMCL	Protective Measure Counterpart Link
NRC Communication	RSCL	Reactor Safety Counterpart Link
NRC Communication	ENS	Emergency Notification System (Red Phone)
Plant Evaluation Team	HPN	Health Physics Network
Plant Evaluation Team	ENS	Emergency Notification System (Red Phone)

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Emergency Response Resource Readiness			
Attachment 2	Functional Checks of TSC NRC and MSP Phones	Pages: 13 - 14	

- 2 Call the Michigan State Police, Emergency Management and Homeland Security Division, in Lansing at 1-517-333-5025 and provide the TSC number being used (269-465-5050 or 269-465-6704).
- 2.1 Document completion of test using Data Sheet 4, TSC Monthly Checklist.
- 2.2 Notify both Control Rooms that the monthly phone checks are complete.

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Emergency Response Resource Readiness			
Attachment 3	Functional Checks of ERO Facility Equipment	Pages: 15 - 21	

1 FAX Machines

1.1 Demonstrate that each FAX machine is capable of sending and receiving FAXs.

- **IF** the FAX machine being tested has a BLAST button **THEN** use the BLAST button to test the send function.
- Ensure the FAX machine displays the correct date and time.
- To verify a FAX machine operation;
 - Press "Function"
 - 6 (Print out)
 - 1 (Journal)
 - Set
 - 1 – to start print of Journal
 - Verify successful FAX transmittal by observing "OK" in the "COMM" column of the journal for each required location for both XMT (send) and RCV (receive) FAXs.
 - Attach Journal to facility checklist.

1.2 Acceptance Criteria: The minimum number, of functional FAX machines, is shown on the facility monthly checklist. **IF** the minimum number is not functional **THEN** refer to PMP-2080-EPE-002, "Equipment Important to Emergency Response", for compensatory measures.

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Emergency Response Resource Readiness			
Attachment 3	Functional Checks of ERO Facility Equipment	Pages: 15 - 21	

2 Telephones

- 2.1 Verify each phone in the facility is capable of both dialing out and receiving calls.
- 2.2 Acceptance Criteria: The minimum number, of functional telephones, is shown on the facility monthly checklist. **IF** the minimum number is not functional **THEN** refer to PMP-2080-EPE-002, "Equipment Important to Emergency Response", for compensatory measures.

3 Copiers

- 3.1 Make 1 copy of a test page.
- 3.2 Acceptance Criteria: The minimum number, of functional copiers, is shown on the facility monthly checklist. **IF** the minimum number is not functional **THEN** refer to PMP-2080-EPE-002, "Equipment Important to Emergency Response", for compensatory measures.

4 Computers

- 4.1 Power up each computer. Verify its connection with the Plant Process Computer database, Local Area Network (LAN) system, or Dose Assessment Program (DAP), as needed on that computer for the ERO position that uses the computer.
- 4.2 Acceptance Criteria: The minimum number, of functional computers, is shown on the facility monthly checklist. **IF** the minimum number is not functional **THEN** refer to PMP-2080-EPE-002, "Equipment Important to Emergency Response", for compensatory measures.

5 Monitors

- 5.1 Power up the monitor(s) and verify it is functional with its associated computer.
- 5.2 Acceptance Criteria: The minimum number, of functional monitors, is shown on the facility monthly checklist. **IF** the minimum number is not functional **THEN** refer to PMP-2080-EPE-002, "Equipment Important to Emergency Response", for compensatory measures.

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Emergency Response Resource Readiness			
Attachment 3	Functional Checks of ERO Facility Equipment	Pages: 15 - 21	

6 Copy Boards

- 6.1 Make a copy of the board to verify the copy board operates properly.
- 6.2 Acceptance Criteria: The minimum number, of functional Copy Boards, is shown on the facility monthly checklist. **IF** the minimum number is not functional **THEN** refer to PMP-2080-EPE-002, "Equipment Important to Emergency Response", for compensatory measures.

7 Facility Microphones

- 7.1 Power up the microphone's power supply and talk into the microphone. Verify your voice can be heard in each room of the ERO facility.
- 7.2 Acceptance Criteria: The minimum number, of functional Facility Microphones, is shown on the facility monthly checklist. **IF** the minimum number is not functional **THEN** refer to PMP-2080-EPE-002, "Equipment Important to Emergency Response", for compensatory measures.

8 OSC ED Reader

- 8.1 Touch the screen of the ED Reader.
- 8.2 Acceptance Criteria: Ensure that the display screen is functional.

9 Facility Managers' Bridge

- 9.1 Dial the Facility Managers' Bridge number found on the ERO Toolbox card.
- 9.2 **WHEN** the tone sounds indicating you are on the conference **THEN** dial the Facility Managers' Bridge number on the ERO Toolbox card on another phone.
- 9.3 Speak into both phones verifying that each phone can be heard on the other phone.
- 9.4 Hang up both phones.
- 9.5 Acceptance Criteria: Each phone can be heard on the other phone.

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Emergency Response Resource Readiness			
Attachment 3	Functional Checks of ERO Facility Equipment	Pages: 15 - 21	

10 Projector Unit & Microphone in JIC Auditorium

- 10.1 Power up the unit using the touch screen on the podium.
- 10.2 Touch the icon for computer, TV, camera, etc.
- 10.3 Verify the projector is displayed on the auditorium screen.
- 10.4 Verify the microphone is functional by talking into it.
- 10.5 Power down the auditorium system.
- 10.6 Acceptance Criteria: The JIC projector and microphone work satisfactorily.

11 Frisker

- 11.1 Verify the frisker is plugged in to a functioning AC outlet.
- 11.2 Turn on.
- 11.3 Increase speaker volume and verify audible response when a background count is detected.
- 11.4 Verify meter deflection when a background count is detected.
- 11.5 Turn frisker off.
- 11.6 Verify calibration does not expire prior to the end of the next month.
- 11.7 Acceptance criteria: Audible response and meter deflection.

12 Area Radiation Monitor

- 12.1 Verify the monitor is plugged in to a functioning AC outlet.
- 12.2 Turn on.
- 12.3 Verify an upscale meter response when a background count is detected.
- 12.4 Turn monitor off.
- 12.5 Verify calibration does not expire prior to the end of the next month.

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Attachment 3	Functional Checks of ERO Facility Equipment	Pages: 15 - 21	

12.6 Acceptance criteria: An upscale meter response when a background count is detected.

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Attachment 3	Functional Checks of ERO Facility Equipment		Pages: 15 - 21

13 Equipment

13.1 Inventory frequency

13.1.1 All emergency supplies and equipment are inventoried at the following prescribed frequencies:

- Quarterly

portable instrumentation	SRDs
laboratory instrumentation	KI tablets
vehicle radios	TLDs
respiratory equipment	All other supplies

13.1.2 Perform a Quarterly inventory of all affected staging areas and facilities within one week following an emergency exercise/drill.

13.2 Facility Readiness

13.2.1 Perform the EOF equipment ready checks using Data Sheet 2, EOF Quarterly Checklist, or equivalent.

13.2.2 Perform the TSC equipment inventory using Data Sheet 5, TSC Quarterly Checklist, or equivalent.

13.2.3 Perform the OSC RP equipment inventory using Data Sheet 9, OSC Quarterly Radiation Protection Checklist or equivalent.

13.2.4 Perform the SV RP equipment inventory using Data Sheet 12, Survey Vehicle Radiation Protection Quarterly Checklist, or equivalent.

13.2.5 Perform the CR RP equipment inventory using Data Sheet 14, Control Room Quarterly Radiation Protection Checklist , or equivalent.

13.2.6 Perform the CREC RP equipment inventory using 15, Control Room Emergency Cabinet Quarterly Radiation Protection Checklist or equivalent.

13.2.7 Perform the Security Control Center and BCSD RP equipment inventory using Data Sheet 18, Berrien County EOC Radiation Protection Quarterly Checklist, or equivalent.

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Attachment 3	Functional Checks of ERO Facility Equipment	Pages: 15 - 21	

- 13.2.8 Perform the Training Center RP equipment inventory using Data Sheet 19, Training Center Radiation Protection Quarterly Checklist, or equivalent.
- 13.2.9 Perform the Lakeland Medical Center, St. Joseph **AND** Niles RP equipment inventory using Data Sheet 20, LMC Radiation Protection Quarterly Checklist, or equivalent. [NRC Commitment 1179]
- 13.2.10 Perform the emergency sampling stations RP equipment inventory using Data Sheet 21, Emergency Sampling Station Quarterly Radiation Protection Checklist, or equivalent.
- 13.2.11 Perform the quarterly respiratory equipment inventory using Data Sheet 22, Emergency Plan Respiratory Protection or the facility data sheets.
- 13.2.12 Perform RP/Operations Emergency Response equipment inventory quarterly using Data Sheet 23, RP/Ops Emergency Response Equipment Quarterly Checklist.
- 13.2.13 Radiation Protection Portable Instrument Kits are maintained by the Radiation Protection Department, inventories are performed using Data Sheet 25, Radiation Protection Portable Instrument Kit Inventory. RP performs Periodic Performance Tests (PPT) and calibrates as necessary.
- Spare kits are staged in the Training Building in the Emergency Preparedness (EP) area for exchange with the offsite facilities.
 - Contact and coordinate with RP informing them that the quarterly checks on RP equipment are to take place. Request that the quarterly PPT checks and calibration checks are completed as necessary.
 - After changing out the instrument kits RP will perform the PPT and calibrations as necessary in order to use these changed out kits in other locations.
 - Record the serial number of equipment in the space provided.
- 13.2.14 Perform the Security Control Center RP equipment inventory using Data Sheet 26, Security Control Center.

14 Documentation

- 14.1 Document test results on the specific data sheet.

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Emergency Response Resource Readiness			
Attachment 4	Functional Check of Berrien County 911 Ring Down Phones		Pages: 22 -22

1 RING DOWN PHONE SYSTEM TO THE BERRIEN COUNTY 911 DISPATCH CENTER

1.1 Testing of the ring down phone system in the Control Room

- 1.1.1 Request permission from the Control Room to perform the monthly check.
- 1.1.2 Prior to the test, call the Berrien County 911 Dispatch Center at 269-983-7141 and ask for or select Public Safety Dispatch Center to inform them that the test is about to commence.
- 1.1.3 Pick up the phone and talk to the 911 Dispatch Center.
- 1.1.4 Document completion on Data Sheet 13, Control Room Quarterly Radiation Protection Checklist .

1.2 Testing of the ring down phone system in the EOF.

- 1.2.1 Prior to the test call the Berrien County 911 Dispatch Center at 269-983-7141 and ask for or select Public Safety Dispatch Center to inform them that the test is about to commence.
- 1.2.2 Pick up the phone and talk to the 911 Dispatch Center.
- 1.2.3 Document completion on Data Sheet 1, EOF Monthly Checklist.

1.3 Testing of the ring down phone system in the CAS and SAS.

- 1.3.1 Review the appropriate Site Protective Services records of the daily ring down phone system to verify that the ring down phone test was completed.
- 1.3.2 Document completion on Data Sheet 16, CAS/SAS Monthly Checklist.

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Attachment 5	Satellite Phone Checks	Pages: 23 - 24	

NOTE: Additional information for use of Satellite Phones and Satellite phone numbers can be found in RMT-2080-EPP-600, Satellite Phone Instructions.

The BCSD Satellite phone check may be performed remotely with assistance from the BCSD. The remote check shall ensure all applicable steps of this attachment are completed.

1 MONTHLY FUNCTIONAL CHECK OF THE IRIDIUM 9555 SATELLITE PHONE

- 1.1 Turn on by holding button on top of phone.
- 1.2 Check battery charge level
 - 1.2.1 Locate the battery icon on the upper right side of the phone display
 - 1.2.2 Level of charge should be full
 - a. **IF** the level of charge is not full **THEN** place radio on charging unit and recheck in 4 hours.
- 1.3 To place a call.
 - 1.3.1 extend antenna.
 - 1.3.2 dial number.
 - 1.3.3 make contact with another person/phone.
- 1.4 To receive a call.
 - 1.4.1 The phone will display a call attempt.
 - 1.4.2 Extend antenna.
 - 1.4.3 After several seconds the phone will vibrate or ring and display an incoming call.
 - 1.4.4 Select accept.
 - 1.4.5 Make contact.

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Attachment 5	Satellite Phone Checks	Pages: 23 - 24	

1.5 End call.

1.6 Place on charging unit.

1.7 Acceptance Criteria

1.7.1 Contact is made by either placing or receiving a call.

1.7.2 Battery is fully charged.

1.8 For the phones located at Berrien County, Lake Township and Lake Michigan College.

1.8.1 Call the location to be tested prior to the test to inform them that the test is about to commence.

1.8.2 Place a call on the satellite phone to the off-site center satellite phone and talk to the person at that location.

1.8.3 Document completion on Data Sheet 24, Monthly Satellite Phone Checks

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Emergency Response Resource Readiness			
Data Sheet 1	EOF Monthly Checklist	Pages: 25 - 25	

EOF Monthly Checklist

____ / ____
Month Year

Equipment Functional Checks:	Equipment Functional Checks:
<input type="checkbox"/> 2 FAX machine(s) (Attachment 3) <input type="checkbox"/> 1 Telephone (Attachment 3) <input type="checkbox"/> 1 Copier (Attachment 3) <input type="checkbox"/> 1 PPC computer (Attachment 3) <input type="checkbox"/> 1 DAP computer (Attachment 3) <input type="checkbox"/> 1 Flat screen monitors (Attachment 3) <input type="checkbox"/> 1 Copy Board (Attachment 3) <input type="checkbox"/> 1 PAS microphone <input type="checkbox"/> 1 Projector <input type="checkbox"/> MSP phones (Attachment 1) <input type="checkbox"/> NRC FTS-2001 phones (Attachment 1) <input type="checkbox"/> 1 Satellite phones (Attachment 5) <input type="checkbox"/> 911 Phone (Attachment 4)	<input type="checkbox"/> 1 Frisker (Attachment 3) <input type="checkbox"/> 1 Area Radiation Monitor (Attachment 3) <input type="checkbox"/> 4 EP portable radios (turn on and verify transmission)
	Facility Set Up:
	<input type="checkbox"/> 1 box of Extra paper for FAX / copy boards/copier <input type="checkbox"/> 1 toner for copier <input type="checkbox"/> Check EPIP procedure books for current revision <input type="checkbox"/> Check data sheet folders for current revision <input type="checkbox"/> Check overall cleanliness and appearance

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Facility Readiness: ☐ Satisfactory ☐ Unsatisfactory (enter comment below)

Comments:

Performed by: _____ / _____
Print Name Signature Date

Reviewed by: _____ / _____
EPM or designee Signature Date

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Emergency Response Resource Readiness			
Data Sheet 2	EOF Quarterly Checklist		Pages: 26 - 28

EOF Quarterly Checklist

_____/_____
Quarter Year

Portable Instrument Kits in storage area

- ☐ Verify kit is sealed
- ☐ Air Sampling Kit [Ref 6.2.1a].
- ☐ 14 Full Face Respirators with Iodine Cartridges and Particulate Cartridges.
- ☐ 14 sets of Anti-Contamination clothing, Level 2 [Ref 6.2.1.a] and [Ref 6.2.1b].
- ☐ 2 Count Rate Meters (friskers).
- ☐ Miscellaneous RP Supply Box.

- | | |
|--------------|--|
| NOTE: | <ul style="list-style-type: none"> • Before testing, there must be someone at the plant site (in the OSC or with a hand-held radio) to assist in checking operability at the EOF • The table top radio is already set up in the Dose Assessment Room |
|--------------|--|

☐ Functional Check of Table Top Radio in Dose Assessment room:

- ☐ Verify radio is turned on and is on the correct frequency.
- ☐ Contact the person in the OSC and verify two-way communication is obtained.
 - ☐ Clear communication successful, EOF to OSC.
 - ☐ Clear communication successful, OSC to EOF.
 - ☐ Clear communication successful, EOF to 4 portable EOF handsets
 - ☐ Clear communication successful, 4 portable EOF handsets to EOF

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Emergency Response Resource Readiness			
Data Sheet 2	EOF Quarterly Checklist		Pages: 26 - 28

24-hour coping supplies

- ☐ Open storage area.
- ☐ Ensure that the Contents agree with the inventory sheet.
- ☐ IF the inventory is correct, THEN close the cabinet/storage container.
- ☐ IF the inventory is not correct, THEN replace/order the needed supplies and close the cabinet/storage container.
- ☐ Close the Cabinet/storage container.

Alternate OSC Equipment and Supplies:

- ☐ 10 copies of RMT-2080-OSC-001
- ☐ 1 Lap Top computer
- ☐ Copier Board
- ☐ Extension Cord
- ☐ System overview drawings book
- ☐ Plant Phone List
- ☐ Laminated Field Monitoring Team maps
- ☐ Cube signs
- ☐ 4 Telephones
- ☐ Pens
- ☐ Pads of lined paper
- ☐ Post Its
- ☐ Calculator

Alternate TSC Equipment and Supplies:

- ☐ 9 copies of RMT-2080-TSC-001

Position Specific Binders

- ☐ PET Reactor Physics Analyst
- ☐ Team Coordinator
- ☐ RAC

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Data Sheet 3	EOF Quarterly Radiation Protection Checklist	Pages: 29 - 31	

EOF Quarterly Radiation Protection Checklist

_____/_____
Quarter Year

NOTE: Depending on the facility, the air sampling kits may be a stand-alone kit or part of the total facility inventory.

1 Re-Entry Personnel Equipment

- ☐ 14 sets of Anti-Contamination clothing, Level 2, [Ref 6.2.1.a] [Ref 6.2.1.b]
- ☐ 14 Full Face Respirators with Iodine Cartridges and Particulate Cartridges. [Ref 6.2.1.a] [Ref 6.2.1.b]
- ☐ 14 EDs
- ☐ 15 TLDs (14 Whole Body, 1 Control)

Radiation Protection Portable Instrument Kit

- ☐ Break the seal and document an inventory on Data Sheet 25, Radiation protection Portable Instrument Kit Inventory.

Air sampling Kit

- ☐ Break Seal and inventory
- ☐ Calculator
- ☐ Sealable sample collection bags
- ☐ Tweezers
- ☐ Pad of Paper
- ☐ Air Sample Envelopes
- ☐ Particulate Filters (47mm filters)
- ☐ Time Piece
- ☐ Writing Implements
- ☐ Silver Zeolite Cartridges (min 5 Cartridges Expiration date _____)
- ☐ Install new seal

Additional Equipment

- ☐ 2 Count Rate Meters: [Ref 6.2.1.a] Serial Number _____ Serial Number _____
- ☐ 3 Count Rate Meter Cables
- ☐ 3 Count Rate Meter Detectors
- ☐ 21 TLDs (20 Whole Body, 1 Control) (EOF/JIC General distribution badges)
- ☐ 8 TLDs (Area TLD Badges)
- ☐ 8 EDs (Area EDs)
- ☐ Area Radiation Monitor (ARM) [Ref 6.2.1.a] Serial Number _____

Reference	EPP-2080-ERO-001	Rev. 14	Page 30 of 65
Emergency Response Resource Readiness			
Data Sheet 3	EOF Quarterly Radiation Protection Checklist	Pages: 29 - 31	

2 Offsite Survey Team Equipment

Radiation Protection Portable Instrument Kit

- ☐ Break the seal and document an inventory on Data Sheet 25, Radiation protection Portable Instrument Kit Inventory.
 - ☐ Donald C. Cook EPZ Map
 - ☐ Berrien County Map
 - ☐ 12 Blank Data Sheets (verify current revision)
 - RMT-2080-EOF-001, Datasheet 2, Off-site Survey Log
 - ☐ Key to Air Sampling Stations (B-1)
 - ☐ Keys to Rosemary Beach Gate
 - ☐ 2 Clipboards
 - ☐ 1 Air Sampler with sample head: Serial Number _____
 - ☐ RMT-2080-EOF-001, Activation and Operation of the EOF (verify current revision)
 - ☐ 1 Assorted Tool Kit
 - ☐ 2 Site Maps
 - ☐ 1 Flashlight/Lantern with Batteries, verify operation.
 - ☐ Compass
 - ☐ 2 Sets Winter Apparel
 - ☐ Sample containers for at least 32 liters of samples (Marinellis with lids, buckets with lids or sealable plastic bags or combination of these)

Miscellaneous RP Supplies

- ☐ Tape
- ☐ Tweezers
- ☐ Paper
- ☐ Labels
- ☐ Smears
- ☐ Writing Implements
- ☐ Compass
- ☐ Disposable Gloves
- ☐ Keys to Air Stations
- ☐ Keys to Rosemary Beach Gate
- ☐ Sample collection Bags

Reference	EPP-2080-ERO-001	Rev. 14	Page 31 of 65
Emergency Response Resource Readiness			
Data Sheet 3	EOF Quarterly Radiation Protection Checklist	Pages: 29 - 31	

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Facility Readiness: ☐ Satisfactory ☐ Unsatisfactory (enter comment below)

Comments:

Performed by: _____ / _____
☐ Print Name Signature Date

Reviewed by: _____ / _____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 32 of 65
Emergency Response Resource Readiness			
Data Sheet 4	TSC Monthly Checklist		Pages: 32 - 32

TSC Monthly Checklist

____ / ____
Month Year

Equipment Functional Checks:	Equipment Functional Checks:
<input type="checkbox"/> 1 Copier (Attachment 3) <input type="checkbox"/> 2 FAX machines (Attachment 3) <input type="checkbox"/> 2 Flat screen monitors (Attachment 3) <input type="checkbox"/> 3 PPC computers (Attachment 3) <input type="checkbox"/> 1 DAP computer (Attachment 3) <input type="checkbox"/> 2 Telephones (Attachment 3) <input type="checkbox"/> 1 MSP phone (Attachment 2) <input type="checkbox"/> All NRC FTS-2001 phones (Attachment 2) <input type="checkbox"/> 1 Iridium 9555 Satellite phones (Attachment 5) <input type="checkbox"/> 3 EP radios (turn on and verify transmission)	<input type="checkbox"/> 1 PAS microphone (turn on and verify output) <input type="checkbox"/> 1 Frisker (Attachment 3) <input type="checkbox"/> 1 Airborne monitor (turn on and verify display)
	<p>Facility Set Up:</p> <input type="checkbox"/> 1 box of Extra paper for FAX/ copy boards/copier <input type="checkbox"/> 1 toner for copier <input type="checkbox"/> Check procedure books for current revision <input type="checkbox"/> Check data sheet folders for current revision <input type="checkbox"/> All Supply cabinets locked or sealed <input type="checkbox"/> Overall cleanliness and appearance

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Facility Readiness: ☐ Satisfactory ☐ Unsatisfactory (enter comment below)

Comments:

Performed by: _____ / _____
Print Name Signature Date

Reviewed by: _____ / _____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 33 of 65
Emergency Response Resource Readiness			
Data Sheet 5	TSC Quarterly Checklist		Pages 33- 33

TSC Quarterly Checklist

_____/_____
Quarter Year

24-hour coping supplies

- ☐ Open storage area.
- ☐ Ensure that the Contents agree with the inventory sheet.
- ☐ **IF** the inventory is correct, **THEN** close the cabinet/storage container.
- ☐ **IF** the inventory is not correct, **THEN** replace/order the needed supplies and close the cabinet/storage container.
- ☐ Close the Cabinet/storage container.

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.
--

Comments:

Performed by: _____/_____
Print Name
Signature
Date

Reviewed by: _____/_____
EPM or designee
Signature
Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 34 of 65
Emergency Response Resource Readiness			
Data Sheet 6	TSC Quarterly Radiation Protection Checklist	Pages: 34- 34	

TSC Quarterly Radiation Protection Checklist

_____/_____
Quarter Year

Cabinet Inventory

- ☐ Break seal and perform inventory
- ☐ 4 TLDs (Area TLDs)
- ☐ 4 EDs (Area EDs)
- ☐ 25 EDs
- ☐ Count Rate Meter [Ref 6.2.1.a] Serial Number _____
- ☐ 2 Count Rate Meter Cables
- ☐ 2 Count Rate Meter Detectors
- ☐ Portable Continuous Air Monitor [Ref 6.2.1.a] Serial Number _____
- ☐ Area Radiation Monitors (ARM) Serial Number _____
- ☐ Charcoal Impregnated fiber filters
- ☐ Air Sample Envelopes
- ☐ 26 TLD Badges (25 Whole Body, 1 Control) [Ref 6.2.1.a]
- ☐ 25 sets of Anti-Contamination clothing, Level 2: [Ref 6.2.1.a] [Ref 6.2.1b]
- ☐ 25 Full Face Respirators with Iodine Cartridges and Particulate Cartridges [Ref 6.2.1.a]
- ☐ 65 packages of KI tablets with:
- ☐ 25 KI Consent Forms RMT-2080-TSC-001, Data Sheet 3 (verify current rev.)
- ☐ Install new seal

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Facility Readiness: ☐ Satisfactory ☐ Unsatisfactory (enter comment below)

Comments:

Performed by: _____/_____
Print Name Signature Date

Reviewed by: _____/_____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 36 of 65
Emergency Response Resource Readiness			
Data Sheet 8	OSC Quarterly Checklist		Pages: 36 - 37

OSC Quarterly Checklist

_____/_____
Quarter Year

Radiation Protection Portable Instrument Kit

- ☐ Verify kit is sealed.

24-hour coping supplies

- ☐ Open storage area.
- ☐ Ensure that the Contents agree with the inventory sheet.
- ☐ **IF** the inventory is correct, **THEN** close the cabinet/storage container.
- ☐ **IF** the inventory is not correct, **THEN** replace/order the needed supplies and close the cabinet/storage container.
- ☐ Close the Cabinet/storage container.

Reference	EPP-2080-ERO-001	Rev. 14	Page 37 of 65
Emergency Response Resource Readiness			
Data Sheet 8	OSC Quarterly Checklist		Pages: 36 - 37

Functional Check of Table Top Radio

- ☐ Obtain a radio from the inventory of equipment located in the closet outside of the OSC.
- ☐ Take the headset out of the top drawer and plug into the outlet near the left hand side of the desk.
- ☐ Tune the radio to the correct frequency, consistent with the frequency on the table top radio.
For example:
Hand-held radio Channel 1: KNDP798 (off-site) = Table top radio Ch 1
Hand-held radio Channel 2: WXL815 (on-site) = Table top radio Ch 2
- ☐ Talk into the headset and ensure the hand-held radio is on the correct frequency for the testing
- ☐ Radio receives and transmits.

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Facility Readiness: ☐ Satisfactory ☐ Unsatisfactory (enter comment below)

Comments:

Performed by: _____ / _____
Print Name Signature Date

Reviewed by: _____ / _____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 38 of 65
Emergency Response Resource Readiness			
Data Sheet 9	OSC Quarterly Radiation Protection Checklist	Pages: 38 - 40	

OSC Quarterly Radiation Protection Checklist

_____/_____
Quarter Year

- ☐ 40 Electronic Dosimeters, (50 PAMs/WRMs with batteries) |
- ☐ 141 TLDs (40 Whole Body, 100 Special, 1 Control) (Ref 6.2.1a) |
- ☐ Gamma Spectroscopy Counting System (capable of counting Iodine and Particulate air samples)
Calibration Due Date _____
- ☐ Area Radiation Monitor (ARM): Serial Number _____
- ☐ Area Radiation Monitor (ARM): Serial Number _____
- ☐ 2 Count Rate Meters: Serial Number _____
 Serial Number _____
- ☐ 3 Count Rate Meter Cables
- ☐ 3 Count Rate Meter Detectors
- ☐ 3 Telescopic Survey Meters:
 Serial Number _____
 Serial Number _____
 Serial Number _____
- ☐ 3 GM Survey Meters [Ref 6.2.1.a]:
 Serial Number _____
 Serial Number _____
 Serial Number _____
- ☐ 4 Air Samplers w/ Heads [Ref 6.2.1.a]:
 Serial Number _____
 Serial Number _____
 Serial Number _____
 Serial Number _____
- ☐ Purge Rig (located in the Lakeside Office Building north ventilation room)
- ☐ Walk-Through Portal Monitor Cal Due Date _____
- ☐ Set of RP Procedures
- ☐ Donald C. Cook 10 mile EPZ map
- ☐ Site Map

Reference	EPP-2080-ERO-001	Rev. 14	Page 39 of 65
Emergency Response Resource Readiness			
Data Sheet 9	OSC Quarterly Radiation Protection Checklist	Pages: 38 - 40	

- ☐ 15 Blank Data Sheets (verify current revision)
RMT-2080-EOF-001, Datasheet 2, Off-site Survey Log Operations Facility
- ☐ 2 Clipboards
- ☐ Calculator (in locker)
- ☐ Radio Headset
- ☐ 6 Lanterns/Flashlights with Batteries
- ☐ 420 packages of KI tablets
- ☐ 100 KI Consent Forms, RMT-2080-OSC-001 – Data Sheet 3 (verify current revision)
- ☐ 2 containers, each containing 2 packages of KI tablets for Off Site Survey Teams.
- ☐ Decon Kit (inventory list located inside box under lid) [Ref 6.2.1b]
- ☐ 8 Stanchions
- ☐ 3 Step-Off-Pads
- ☐ 5 Rolls Duct Tape
- ☐ 8 Tri-foil Signs with Assorted Inserts
- ☐ 6 Cloth/Poly Bags
- ☐ Masslinn Mop
- ☐ 25 Masslinn Sheets
- ☐ 2 Portable Tables
- ☐ 30 Full Face Respirators with Iodine Cartridges and Particulate Cartridges [Ref 6.2.1.a]
- ☐ 10 SCBA Units
- ☐ 25 Spare SCBA bottles (NRC Commitment # 5392)

Air Sampling Kit [Ref 6.2.1.a]

- ☐ Break seal and perform inventory
- ☐ Pad of Paper
 ☐ Planchetts
 ☐ Particulate filters (47-mm)
- ☐ Sealable Plastic Bags
 ☐ Tweezers
 ☐ Time Piece
- ☐ Air Sample Envelopes
 ☐ Calculator
 ☐ Writing Implements
- ☐ Silver Zeolite Cartridges (min 5 cartridges) Exp Date _____
- ☐ Install new seal.

Portable Instrument Kit [Ref 6.2.1.a]

- ☐ Break the seal and inventory on Data Sheet 25, Radiation Protection Portable Instrument Kit Inventory.

Off Site Responder / Security Dosimetry Box

- ☐ 21 TLDs (20 Whole Body and 1 Control)
- ☐ 20 EDs

Reference	EPP-2080-ERO-001	Rev. 14	Page 40 of 65
Emergency Response Resource Readiness			
Data Sheet 9	OSC Quarterly Radiation Protection Checklist	Pages: 38 - 40	

NOTE: Depending on the center, the air sampling kits may be a stand-alone kit or part of the total center inventory.

Miscellaneous Supply Box

☐ Break the seal and inventory.

☐ Rad Ribbon / rope

☐ Rad Tape

☐ Smears

☐ Planchetts

☐ Tweezers

☐ Safety Glasses

☐ Paper

☐ Pens

☐ Disposable Gloves

☐ Envelopes

☐ Hearing Protection

☐ Install new seal.

☐ 30 Sets of Anti-Cs, Level 2 [Ref 6.2.1.a]

☐ 30 Full plastic suits with hoods

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Facility Readiness:

☐ Satisfactory

☐ Unsatisfactory (enter comment below)

Comments:

Performed by: _____ / _____
Print Name Signature Date

Reviewed by: _____ / _____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 43 of 65
Emergency Response Resource Readiness			
Data Sheet 12	Survey Vehicle Radiation Protection Quarterly Checklist	Pages: 43- 44	

Survey Vehicle Radiation Protection Quarterly Checklist

☐ Vehicle #1 ☐ Vehicle #2
 /
 Quarter Year

- ☐ Site Map
- ☐ Berrien County Map
- ☐ 15 Blank Data Sheets (verify current revision)
- ☐ RMT-2080-EOF-001, Datasheet 2, Off-site Survey Log Operations Facility
- ☐ RMT-2080-EOF-001, Activation and Operation of the EOF (verify current revision)
- ☐ Clipboard
- ☐ Flashlight/Lantern with Batteries
- ☐ 2 Sets Winter Apparel .[Ref 6.2.1.a]
- ☐ Clippers
- ☐ Shovel
- ☐ 2 Full Face Respirators with Iodine and Particulate Cartridges .[Ref 6.2.1.a]
- ☐ Sample containers for at least 32 liters of samples (Marinellis with lids, buckets with lids or sealable plastic bags or any combination.)

Miscellaneous Supply Box

- ☐ Break the seal and inventory

- | | | |
|------------------------------------|--|---|
| <input type="checkbox"/> Paper | <input type="checkbox"/> Rad Tape | <input type="checkbox"/> Disposable Gloves |
| <input type="checkbox"/> Envelopes | <input type="checkbox"/> Tweezers | <input type="checkbox"/> Sample Collection Bags |
| <input type="checkbox"/> Labels | <input type="checkbox"/> Compass | <input type="checkbox"/> Rad Ribbon / rope |
| <input type="checkbox"/> Smears | <input type="checkbox"/> Keys to Rosemary Beach Gate | <input type="checkbox"/> Writing Implements |
| | <input type="checkbox"/> Keys to Air Stations | |

- ☐ Install new seal

Radiation Protection Portable Instrument Kit [Ref 6.2.1.a]

- ☐ Break the seal and inventory on Data Sheet 25, Radiation Protection Portable Instrument Kit Inventory.

Reference	EPP-2080-ERO-001	Rev. 14	Page 45 of 65
Emergency Response Resource Readiness			
Data Sheet 13	Control Room Monthly Checklist	Pages: 45 -46	

☐ Unit One Control Room

☐ Unit Two Control Room

(Use a separate datasheet for each Control Room)

_____/_____
Month Year

One FAX Machine

Verify the FAX machine functions per Attachment 3.

_____/_____
EP Staff Date

ERONS Password

Verify the presence of ERONS Password in the Control Room Briefcase.

Verify the password is correct by logging into ERONS.

_____/_____
EP Staff Date

One 911 Dispatch Center Phone

Test the ring down phone system per Attachment 4.

_____/_____
EP Staff Date

One DAP Computer

☐ Obtain permission to test the DAP Computer

☐ Verify that the DAP will perform a calculation and print out an EMD32a and EMD32b

_____/_____
EP Staff Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 47 of 65
Emergency Response Resource Readiness			
Data Sheet 14	Control Room Quarterly Radiation Protection Checklist	Pages: 47- 47	

_____/_____
Quarter Year

Unit One Control Room

- ☐ 11 TLDs (10 Whole Body and 1 Control) [Ref 6.2.1.a]
- ☐ 10 EDs .
- ☐ 5 packages of KI tablets.
- ☐ 25 KI Consent Forms – RMT-2080-OSC-001, Data Sheet 3 (verify current revision)
- ☐ 4 Sets of Anti-Cs, Level 2 [Ref 6.2.1.a] [Ref 6.2.1b]
- ☐ 4 SCBA Units [Ref 6.2.1.a]
- ☐ 4 Full Face Respirators with Iodine Cartridges and Particulate Cartridges [Ref 6.2.1.a]

Unit Two Control Room

- ☐ 11 TLDs (10 Whole Body and 1 Control) [Ref 6.2.1.a]
- ☐ 10 EDs .
- ☐ 5 packages of KI tablets.
- ☐ 25 KI Consent Forms – RMT-2080-OSC-001, Data Sheet 3 (verify current revision).
- ☐ Portable SPING Monitor (PSM) Serial Number _____
 - ☐ Particulate Filters (50-mm filters)
 - ☐ Silver Zeolite Cartridges (min 5 cartridges) Expiration Date _____
 - ☐ Air sample Envelopes
- ☐ 4 Sets of Anti-Cs, Level 2 [Ref 6.2.1.a] [Ref 6.2.1b]
- ☐ 4 SCBA Units.[Ref 6.2.1.a]
- ☐ 4 Full Face Respirators with Iodine Cartridges and Particulate Cartridges.[Ref 6.2.1.a]

Comments:

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Location Readiness: ☐ Satisfactory ☐ Unsatisfactory (enter comment below)

Performed by: _____ / _____
Print Name Signature Date

Reviewed by: _____ / _____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 48 of 65
Emergency Response Resource Readiness			
Data Sheet 15	Control Room Emergency Cabinet Quarterly Radiation Protection Checklist	Pages: 48 - 49	

Control Room Emergency Cabinet

Located outside of the Control Room by TSC stairway

_____/_____
Quarter Year

- ☐ Break the seal and inventory

NOTE: This cabinet is a requirement of E-Plan App. C. [Ref 6.2.1b]

- ☐ 2 Count Rate Meters [Ref 6.2.1.a] Serial Number _____ Serial Number _____
 - ☐ 3 Count Rate Meter Cables
 - ☐ 3 Count Rate Meter Detectors
- ☐ Control Room Set-Up Drawing
- ☐ 2 Lanterns/Flashlights with Batteries
- ☐ 6 Stanchions
- ☐ 2 Step-Off-Pads
- ☐ 5 Tri-foil Signs with Assorted Inserts
- ☐ 4 Cloth/Poly Bags
- ☐ Clipboard
- ☐ 12 Sets of Anti-Cs, Level 2 [Ref 6.2.1.a]
- ☐ 12 Full Face Respirators with Iodine Cartridges and Particulate Cartridges [Ref 6.2.1.a]
- ☐ 13 TLDs (12 Whole Body and 1 Control) [Ref 6.2.1.a]
- ☐ 10 SCBA Units [Ref 6.2.1.a]
- ☐ 10 Spare SCBA bottles [Ref 6.2.1.a]
- ☐ Install new seal

Miscellaneous Supply Box

- ☐ Break the seal and inventory
- ☐ Rad Ribbon / rope ☐ Rad Tape ☐ Smears
☐ Paper ☐ Pens ☐ Duct Tape
- ☐ Install new seal

Reference	EPP-2080-ERO-001	Rev. 14	Page 51 of 65
Emergency Response Resource Readiness			
Data Sheet 17	Emergency Response Data System Testing		Pages: 51 - 53

Emergency Response Data System Testing

Date of test: (MM/DD/YEAR) _____

Computer being used to test ERDS _____

1 ERDS Testing Process

- 1.1 ERDS is active 24/7 and testing is not normally required. **IF** testing is necessary **THEN** continue with this attachment.
- 1.2 This process can be performed from any Local Area Network (LAN) computer.
- 1.3 Call the NRC ERDS Operations Center, at 301-816-5140 or 5141, and inform them of the approximate time that the test of the ERDS for Cook Nuclear Plant will be conducted.

Was the test started at the pre-determined time? Yes ☐ No ☐

- 1.3.1 Record time NRC was contacted _____
- 1.3.2 The NRC will stay on the line to watch the activation process from their location and verify that the ERDS data is being received.
- 1.3.3 The NRC ERDS Operations Center will give instructions on how they will be conducting the test.

Reference	EPP-2080-ERO-001	Rev. 14	Page 52 of 65
Emergency Response Resource Readiness			
Data Sheet 17	Emergency Response Data System Testing	Pages: 51 - 53	

1.3.4 For performing from any LAN computer:

- a. Click on the appropriate unit/system designator (Unit1, Unit2, SPC1 or SPC2).
- b. In the white background box under the window menu option, type in "ERDS" and press enter.
- c. When prompted enter User Name and Password.
 - Obtain User Name and Password from Position Specific Desktop Guide
- d. Click on the screen location labeled "ACTIVATE"

1.4.4 Open another PPC display by clicking on file menu option and selecting the top menu.

- a. Repeat steps (a) through (d) for the other unit.

Did both units connect with no problem?

Yes ☐ No ☐

1.4 The NRC will let both systems run for approximately 1 hour and then disconnect the transmission at the NRC's end.

- 1.4.1 The NRC will reestablish the connection to verify the systems reconnect and continue transmitting ERDS data to them.
- 1.4.2 The NRC will let the systems run for an additional 60 minutes and then terminate the test from their location.
- 1.4.3 A follow-up phone call will be made by the NRC ERDS Operation Center stating that the test was successful or not successful.

Did the NRC personnel verify that the test passed for both units?

Yes ☐ No ☐

Reference	EPP-2080-ERO-001	Rev. 14	Page 54 of 65
Emergency Response Resource Readiness			
Data Sheet 18	Berrien County EOC Radiation Protection Quarterly Checklist	Pages: 54 - 54	

Berrien County EOC Radiation Protection Quarterly Checklist

Call 1-269-983-7141 a week in advance to set up a time and day for the inventory.

_____/_____
Quarter Year

NOTE: Place a "✓" or "X" on the line preceding the item to indicate acceptable.

Berrien County Sheriff Department

☐ 201 TLDs (200 Whole Body and 1 Control)

Comments:

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Performed by: _____/_____
Print Name Signature Date

Reviewed by: _____/_____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 55 of 65
Emergency Response Resource Readiness			
Data Sheet 19	Training Center Radiation Protection Quarterly Checklist	Pages: 55 - 55	

Training Center Radiation Protection Quarterly Checklist

_____/_____
Quarter Year

- ☐ Count Rate Meter Serial Number _____ Cal Due Date _____
- ☐ 2 Count Rate Meter Cables
- ☐ 2 Count Rate Meter Detectors
- ☐ 1 Air sampler with sample head Serial Number _____ Cal Due Date _____
- ☐ 16 Electronic Dosimeters .[Ref 6.2.1.a] Cal Due Date _____
- ☐ 17 TLDs (16 Whole Body, 1 Control). [Ref 6.2.1.a]
- ☐ 2 Flashlights
- ☐ Box of Smears
- ☐ 14 Full Face Respirators with Iodine Cartridges and Particulate Cartridges
- ☐ 14 Sets of Anti-Cs, Level 2 [Ref 6.2.1.a] [Ref 6.2.1b]

Comments:

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Performed by: _____/_____
Print Name Signature Date

Reviewed by: _____/_____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 56 of 65
Emergency Response Resource Readiness			
Data Sheet 20	LMC Radiation Protection Quarterly Checklist	Pages: 56 - 58	

LMC Radiation Protection Quarterly Checklist

☐ St. Joseph ☐ Niles (1307 Storage Room)

(This Data Sheet is used for either the St. Joseph or Niles Healthcare locations)

Contact the Emergency Room nurse for key or Security for escort to Radiation Emergency Storage Room. Security is located near the ER entrance.

____ / ____
Quarter Year

NOTE: The hospital supply cabinet is an E-Plan App. C requirement.

☐ Break the seal and inventory

- ☐ Count Rate Meter Serial Number _____ Cal Due Date _____
 - ☐ 2 Count Rate Meter Cables
 - ☐ 2 Count Rate Meter Detectors
- ☐ Air Sampler with sample head Serial Number _____
- ☐ E-Plan Air Sample Activity Determination Worksheet
- ☐ 20 EDs Cal Due Date _____
- ☐ Assorted Tool Kit
- ☐ Hospital Personnel Dosimetry Log / Survey Sheets (Information Packet)
- ☐ Clipboard
- ☐ 21 TLDs (20 Whole Body, 1 Control)
- ☐ 12 Anti-C Packets The hospital supplies the Anti-Cs contained at these centers.
 IF the inventory is short, **THEN** contact the hospital to replenish.
- ☐ Stanchions or portable barriers sufficient to post area.
- ☐ 3 Step-Off-Pads
- ☐ 6 Tri-foil Signs with Assorted Inserts
- ☐ 6 Cloth/Poly Bags
- ☐ 2 Trash Bag Holders
- ☐ Water Collection Bottle
- ☐ Stretcher Insert
- ☐ Water Collection Tray
- ☐ Shower Head
- ☐ Hose
- ☐ Herculite Runner (or equivalent)
- ☐ Portable Lead Container
- ☐ Masslinn Mop and 25 Masslinn Sheets

☐ Install new seal

Reference	EPP-2080-ERO-001	Rev. 14	Page 57 of 65
Emergency Response Resource Readiness			
Data Sheet 20	LMC Radiation Protection Quarterly Checklist	Pages: 56 - 58	

☐ **Portable Instrument Kit**

- ☐ Break the seal and document inventory on Data Sheet 25, Radiation Protection Portable Instrument Kit Inventory.

NOTE: Depending on the center, the air sampling kits may be a stand-alone kit or part of the total center inventory.

Air Sampling Kit [Ref 6.2.1.a]

- ☐ Break the seal and inventory

- | | | |
|--|-------------------------------------|--|
| <input type="checkbox"/> Pad of Paper | <input type="checkbox"/> Planchetts | <input type="checkbox"/> Particulate filters (47-mm filters) |
| <input type="checkbox"/> Sealable Plastic Bags | <input type="checkbox"/> Time Piece | <input type="checkbox"/> Silver Zeolite Cartridges (min 5 cartridges) Exp Date _____ |
| <input type="checkbox"/> Air Sample Envelopes | <input type="checkbox"/> Calculator | <input type="checkbox"/> Writing Implements |
| <input type="checkbox"/> Tweezers | <input type="checkbox"/> Rad Tape | <input type="checkbox"/> Rad Ribbon/rope |
| <input type="checkbox"/> Shoe Covers | <input type="checkbox"/> Smears | <input type="checkbox"/> Disposable Gloves |

- ☐ Install new seal

Hospital Sample Kit (In Cabinet)

- ☐ Break the seal and inventory

- | | | |
|---|-----------------------------------|--|
| <input type="checkbox"/> Nail Clippers | <input type="checkbox"/> Smears | <input type="checkbox"/> Vomitus Containers |
| <input type="checkbox"/> Writing Implements | <input type="checkbox"/> Scissors | <input type="checkbox"/> Urine Containers |
| <input type="checkbox"/> Envelopes | <input type="checkbox"/> Forceps | <input type="checkbox"/> Cotton Swabs in Vials |
| <input type="checkbox"/> Eyedropper Bottle | <input type="checkbox"/> Tweezers | <input type="checkbox"/> Poly Bags |

- ☐ Install new seal

Reference	EPP-2080-ERO-001	Rev. 14	Page 59 of 65
Emergency Response Resource Readiness			
Data Sheet 21	Emergency Sampling Station Quarterly Radiation Protection Checklist	Pages: 59 - 59	

Emergency Sampling Station Quarterly Radiation Protection Checklist

_____/_____
Quarter Year

Minimum Inventory Requirements for Emergency Sampling Stations

- ☐ Portable Low Volume Air Sampler
- ☐ Water Sampling Bottles
- ☐ Air Sampling Envelopes
- ☐ Pad of Paper
- ☐ Writing Implement
- ☐ Shielded Sample Container (Required for U-1 SJAE and GS Leak-off SPINGS only.)
- ☐ Gas Marinelli Beaker (Located in box at unit vent effluent monitor only)
- ☐ Silver Zeolite Cartridges (min 5 cartridges) Exp Date _____
- ☐ Extension Cord
- ☐ Air Sample Head
- ☐ Tygon Tubing
- ☐ Air Sample Filters (47 and 50 mm filters)

Turbine Building

- ☐ 609' at SRA-1800, Gland Steam Condenser Vent Monitor
- ☐ 609' at SRA-1900, Steam Jet Air Ejector Monitor
- ☐ 609' at SRA-2900, Steam Jet Air Ejector Monitor
- ☐ 591' at SRA-2800, Gland Steam Condenser Vent Monitor
- ☐ 609' Turbine-Side RP Count Room for VRA-1500 and VRA-2500, Unit Vent Monitor

Auxiliary Building

- ☐ 587' Spray Additive Tank Room at Chemistry Sampling Station

Comments:

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Performed by: _____/_____
Print Name Signature Date

Reviewed by: _____/_____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 60 of 65
Emergency Response Resource Readiness			
Data Sheet 22	Emergency Plan Respiratory Protection Quarterly Checklist		Pages 60 - 60

Emergency Plan Respiratory Protection Quarterly Checklist

_____/_____
Quarter Year

- Respirator size inventories should be approximately 10% small, 70% medium and 20% large.
- **IF** the seal on an SCBA container is broken, **THEN** inform Fire Protection of the discrepancies as soon as possible.
- Ensure all spare SCBA air bottles contain at least 2000 (yellow bottles) or 4000 (green bottles) psig.

Radiation Protection Access Control

☐ 10 SCBA Units (clean side)

609 Turbine

☐ 10 SCBA Units

Auxiliary Building

☐ 17 SCBA Units (various locations)

Location	Number	Location	Number
<input type="checkbox"/> 609 Turbine by TRPAC	1	<input type="checkbox"/> 633 by Freight Elevator	1
<input type="checkbox"/> 609 by Elevator	5	<input type="checkbox"/> 650	4
<input type="checkbox"/> 573 by Freight Elevator	1	<input type="checkbox"/> 612 Unit 1 Containment CAC	2
<input type="checkbox"/> 587 by Freight Elevator	1	<input type="checkbox"/> 612 Unit 2 Containment	2

Comments:

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Performed by: _____/_____
Print Name Signature Date

Reviewed by: _____/_____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 61 of 65
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Data Sheet 23	RP/Ops Emergency Response Equipment Quarterly Checklist		Pages: 61- 62

RP/Ops Emergency Response Equipment Quarterly Checklist

____ / ____
Quarter Year

- The Operations emergency supplies are located in the Shift Manager's Office (typically stored in a file cabinet drawer labeled "EOP/NFPA 805 Head Lamp Storage")
- The emergency RP supply boxes are located at the Auxiliary Building exits:
 - RPAC – supply box is located in cabinet near the shower.
 - TRPAC – supply box is located in the decontamination room.

RPAC – Emergency RP Supply Box

- ☐ Break the seal and inventory

<input type="checkbox"/> 4 full face respirators with Iodine cart.	<input type="checkbox"/> 8 pair of pairs of rubber gloves
<input type="checkbox"/> 4 plastic suits w/ hoods	<input type="checkbox"/> 4 pair of booties
<input type="checkbox"/> 4 hoods	<input type="checkbox"/> 4 pair of rubber boots
<input type="checkbox"/> 4 pair of glove liners	<input type="checkbox"/> 1 box of smears

- ☐ Install new seal

TRPAC – Emergency RP Supply box

- ☐ Break the seal and inventory

<input type="checkbox"/> 4 full face respirators with Iodine cart.	<input type="checkbox"/> 8 pair of pairs of rubber gloves
<input type="checkbox"/> 4 plastic suits w/ hoods	<input type="checkbox"/> 4 pair of booties
<input type="checkbox"/> 4 hoods	<input type="checkbox"/> 4 pair of rubber boots
<input type="checkbox"/> 4 pair of glove liners	<input type="checkbox"/> 1 box of smears
<input type="checkbox"/> 1 Portable Air Sampler	<input type="checkbox"/> 1 Dose Rate Meter

- ☐ Install new seal

Reference	EPP-2080-ERO-001	Rev. 14	Page 63 of 65
Emergency Response Resource Readiness			
Data Sheet 24	Monthly Satellite Phone Checks	Pages: 63 - 63	

Monthly Satellite Phone Checks

_____/_____
Month Year

Verify that the Iridium 9555 Satellite phone system functions properly		
<input type="checkbox"/> Lake Township Fire Department	_____/_____ Performed By Date	
<input type="checkbox"/> Berrien County EOC	_____/_____ Performed By Date	
<input type="checkbox"/> Lake Michigan College	_____/_____ Performed By Date	

Verify that the Iridium 9555 Satellite phone system functions properly		
Two (2) phones are located in the SM complex		
<input type="checkbox"/> Shift Manager Complex	_____/_____ Performed By Date	

Comments:

NOTE:	An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.
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Performed by: _____/_____
Print Name Signature Date

Reviewed by: _____/_____
EPM or designee Signature Date

Reference	EPP-2080-ERO-001	Rev. 14	Page 65 of 65
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Data Sheet 26	Security Control Center		Pages: 65 - 65

Security Control Center

_____/_____
Quarter Year

NOTE: Place a "✓" or "X" on the line preceding the item to indicate acceptable.

North Access Vehicle Portal

- ☐ 3 Electronic Dosimeters Cal Due Date _____
- ☐ 4 TLDs (3 Whole Body, 1 Control)
- ☐ 3 Sets of Anti-C's for first responders, Level 2. [Ref 6.2.1.a] [Ref 6.2.1b]

Comments:

NOTE: An Action Request per PMP-7030-CAP-001, Action Initiation, is required for checks that are not satisfactory. Document number in comments.

Performed by: _____/_____
Print Name Signature Date

Reviewed by: _____/_____
EPM or designee Signature Date

REVISION SUMMARY

Procedure No.: EPP-2080-ERO-001

Rev. No.: 14

Title: Emergency Response Resource Readiness

Alteration	Justification
<p>This procedure implements a portion of the Cook Emergency Plan, which is wholly-governed under 10 CFR 50.54(q) and RMA-2080-EPA-008, Emergency Plan Management; therefore a 10 CFR 50.59 review is not required.</p> <p>The changes in this revision also do not involve a change to the ISFSI facility, spent fuel cask design or procedures that affect the design function, or method of performing, controlling or evaluating the design function. As such, a 10 CFR 72.48 review is not required to this procedure alteration.</p> <p>A 10 CFR 50.54(q) review was performed. The 10 CFR 50.54(q) number is referenced in the workflow for this procedure revision.</p> <p>The conclusion of the 50.54(q) was that the changes in this revision do continue to comply with the requirements of §50.47(b) and §50 Appendix E and the changes do not constitute a reduction in effectiveness. Therefore, this procedure revision can be implemented without prior NRC approval.</p>	
<p>Step 4.1.4, Added Data Sheet 26, Security Control Center. No margin mark was used.</p> <p>Added Step 4.4.6 which describes the Security Control Center.</p> <p>Attachment 3 added step 13.2.14 for Data Sheet 26, Security Control Center.</p>	<p>This inventory was previously performed on Data Sheet 18 which has the Berrien County EOC inventory on it. Users requested these inventories be separated into two Data sheets.</p>
<p>Removed Rev 13 step 4.2.4 which stated "Blanks for recording storage container seal numbers are provided as verification tool. IF the installed seal is the same seal as recorded during previous check THEN it is no necessary to break the seal and inventory the contents."</p>	<p>Recording the seal numbers so that for the next scheduled inventory the seal could be verified intact and therefore an inventory would not need to be performed has proven to be ineffective. This revision changes the process to breaking all seals and performing a complete inventory each time and then resealing the item.</p> <p>Seal number blanks have been removed from the procedure.</p> <p>No margin marks were used.</p>
<p>Revised step 4.4.5 to state that the locations of the Emergency RP Supply can be found in Appendix C of the Cook Emergency Plan.</p>	<p>This list was inaccurate and incomplete. The list of "Emergency Kits and Equipment Location" is Appendix C of the Cook Emergency Plan. Inventories of kits and equipment are performed using data sheets of this procedure. These data sheets provide the user with the locations.</p>

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REVISION SUMMARY

Procedure No.: EPP-2080-ERO-001

Rev. No.: 14

Title: Emergency Response Resource Readiness

Alteration	Justification
Changed the nomenclature for water resistant PCs from Full Plastic Suits to Level 3 Anti-C's on Data Sheets 9, 12, and 23.	Level 3 Anti-C's is the current description for this dress. Reviewer comments.
Attachment 2, removed "either Control Room or" from step 1.2	This attachment is used for functional checks of the phones in the TSC only.
Attachment 3, was revised to state, "Verify each phone in the facility is capable of both dialing out and receiving a call"	Previous wording of this step did not require that both functions be checked on all phones. AR 2015-15253
Attachment 3, Step 2.1 was revised to state that the phone check is to verify the phones can call out and receive a call.	Editorial change requested by EP Manager.
Attachment 3, added Steps 11.6 and 12.5 to verify that the instrument calibration does not expire prior to the end of the next month.	Added to ensure that the instrument will not go out of cal prior to the next check.
Attachment 3, Step 13.1 was reworded and removed the annual requirement to unlock/unseal all facilities and storage areas.	This revision changes the process to breaking all seals and performing a complete inventory each time and then resealing the item. Therefore the annual unlocking/unsealing is unnecessary. No margin marks were used
Attachment 3, changed the title of PMP-2080-EPE-002 from Equipment Important to Emergency Preparedness to Equipment Important to Emergency Response.	Procedure title has changed. Gt 2015-11455-4
Attachment 4, switched the order of steps 1.1.1 and 1.1.2.	User comment. Permission from the control room is needed before contacting the county.
Attachment 5, added note at beginning "Additional information for use of Satellite Phones and Satellite phone numbers can be found in RMT-2080-EPP-600, Satellite Phone Instructions. The BCSD Satellite phone check may be performed remotely with assistance from the BCSD. The remote check shall ensure all applicable steps of this attachment are completed."	User Comment concerning reference to EPP-600 and agreement by the BCSD to assist with these phone checks.

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REVISION SUMMARY

Procedure No.: EPP-2080-ERO-001

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Title: Emergency Response Resource Readiness

Alteration	Justification
Attachment 5, Step 1.8, added Lake Michigan College to satellite phones to be checked.	This is a new phone for the alternate EOF location at LMC. GT 2015-8471-1
Data Sheet 1, removed verification that the 24 hour coping supply cabinet was locked or sealed.	24 hour coping supplies are inventoried quarterly using Data Sheet 2.
Data Sheet 2, <ul style="list-style-type: none"> • Removed blanks for recording seal numbers. • Removed locked or seal check for 24 hour coping supplies. 	This revision changes the process to breaking all seals and performing a complete inventory each time and then resealing the item. GT 2015-13295-1
Data Sheet 3 was reorganized for ease of use.	Reorganization did not change the inventory. No items were added or removed during the reorganization.
Data Sheet 3, Under Re-Entry Personnel Equipment changed 14 SRDs – 7 (0-1.5R) 7 (0-10R) to 14 EDs.	The change from SRDs to EDs due to technical advances. An ED is capable of measuring dose that encompasses the range of both SRDs. GT2014-15551.
Data Sheet 3, Under Additional Equipment Reduced the number of TLDs from 32 to 21 and added JIC to General distribution badges.	The revised numbers for TLDs was determined in GT2014-15551 and RP-95-03.
Data Sheet 3, Under Additional Equipment Reduced the number of required Area TLDs from 8 to 2. Added 2 Area EDs to this section.	The revised numbers for TLDs was determined in GT2014-15551. The addition of the Area ED facilitates total dose determinations for the EOF personnel. GT2014-15551
Data Sheet 3, Under Additional Equipment removed 20 SRDs and SRD Reader/Charger.	The area EDs that were added provide live time monitoring for individuals in the EOF. This change eliminates unnecessary equipment from the inventory. GT2014-15551
Data Sheet 4, TSC Monthly Checklist, removed Copy Board.	User comment that this board is no longer used. GT 2015-13643-1

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REVISION SUMMARY

Procedure No.: EPP-2080-ERO-001

Rev. No.: 14

Title: Emergency Response Resource Readiness

Alteration	Justification
Data Sheet 6, Removed 25 SRDs and SRD Reader/Charger and replaced with 25 EDs.	The change from SRDs to EDs is due to technical advances. GT2014-15551.
Data Sheet 7, removed label color designators for radios.	The radios are located in different areas of the facility and the color designator is not necessary.
Data Sheet 9, reduced the number of EDs from 50 to 40.	The revised numbers of EDs was determined in GT2014-15551.
Data Sheet 9, reduced the number of TLDs from 141 to 41.	The revised numbers of EDs was determined in GT2014-15551 which determined that the 100 extremity TLDs were not required.
Data Sheet 9, added the Off Site Responder / Security Dosimetry Box section. Data Sheet was reorganized.	Determination from GT 2014-15551 and user comments. Reorganization did not change the inventory. No items were added or removed during the reorganization. No margin marks were used for the reorganization.
Data Sheet 10, added two area TLDs and two area EDs to Equipment functional Checks section.	The addition of the Area ED facilitates total dose determinations for the ENC/JIC personnel. GT 2014-15551
Data Sheet 10, removed "and install updates" from Security Computer and County Lap Top Computer checks.	New style computers do not require this action to be performed. This occurs automatically when computer is turned on. GT 2015-2610-1
Data Sheet 10, changed the name of the key in the key box from Media Area Manager to Media Area Coordinator.	User Comment GT 2015-7276
Data Sheet 11, Added "Check recharge tag on battery jump pack (recharge if necessary)"	New battery jump packs have been placed in survey vehicles. These jump packs have a one year charge life. GT 2015-6016-1
Data Sheet 13, Added "One" designator to FAX machine check to clearly indicate that there is only one FAX machine to test.	User comment. GT 2015-7209

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Procedure No.: EPP-2080-ERO-001

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Title: Emergency Response Resource Readiness

Alteration	Justification
Data Sheet 13, Added ERONS password verification by logging into ERONS to perform the ERONS check.	User comment. GT 2015-7209-1
Data Sheet 13, Added "One" designator to 911 Dispatch Center Phone check to clearly indicate that there is only one phone to test. Also changed this test to have EP Staff perform the phone test per Attachment 4.	User comment. GT 2015-2575 GT-2015-8602-1
Data Sheet 13, Added "One" designator to DAP computer check to clearly indicate that there is only one DAP computer to test.	User comment. GT 2015-7209
Data Sheet 13, Removed the following from the Control Room briefcase inventoried items. <ul style="list-style-type: none"> • 10 blank log sheets • 1 calculator • 10 miscellaneous pens • 2 pencils with erasers • 1 ruler • 2 pads of lined paper • 5 red fine markers • 5 black fine markers • 3 orange markers • 3 blue markers • 1 contingency director hardcover log book 	User comment. Approval to remove these items was obtained from the Operations Senior License. GT 2015-7209
Data Sheets 14, Removed 10 SRDs and SRD Reader/Charger and replaced with 10 EDs.	The change from SRDs to EDs is due to technical advances. GT2014-15551.
Data Sheets 14 and 15, items were rearranged.	Per user comment the Control Room checks should be on one attachment and the Control Room Emergency Cabinet, which is located outside the Control Rooms, on a separate attachment. No items were removed from the procedure. No margin markings were used.

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Title: Emergency Response Resource Readiness

Alteration	Justification
Data Sheet 16, added references to Attachments 4 and 5 for directions for how to perform checks.	User comment. GT 2015-2575-1 No Margin marks were used.
Data Sheet 19, reduced the number of EDs from 30 to 16.	This change aligns the number of EDs available with the number of TLDs. GT 2014-15551
Data Sheet 19, change the format of the number of TLDs to match the format used throughout this procedure.	Changed to "17 TLDs (16 Whole Body, 1 Control)" from "16 TLDs plus 1 Control TLD".
Data Sheet 20, Removed 20 SRDs and SRD Reader/Charger and replaced with 20 EDs.	The change from SRDs to EDs is due to technical advances. GT2014-15551.
Data Sheet 20, added "(1307 Storage Room) to the location at Niles Hospital.	Added to provide user with a better location of equipment.
Data Sheet 20, organized list of items under new heading "Decon Room".	No items were added or removed. This organization groups items in the same location together.
Data Sheet 20, added "(In Cabinet)" to the Hospital Sample Kit and Hospital Decon Kit.	Added to provide user with a better location of equipment.
Data Sheet 20, Added reference to Data Sheet 25.	Added to remind user that when performing the instrument kit inventory it is necessary to document the inventory on DS 25.
Data Sheet 23, changed the location of RPAC supply box and TRPAC supply box to better describe the locations.	Added to assist user in locating items to inventory.
Data Sheet 23, removed Operations Emergency Supplies – 6 Electronic Dosimeters.	Electronic Dosimeters for Operations personnel are located in the Control Rooms and inventoried using Data Sheets 14 and 15.
Data Sheet 23, Added a portable air sampler and a dose rate meter to the inventory for the TRPAC Emergency Cabinet	Requested by RP personnel to ensure this equipment is readily available when needed in an emergency. No Margin Marks were used. GT 2015-13295-1
Data Sheet 24, added Lake Michigan College satellite phone check.	This is a new phone for the alternate EOF location at LMC. GT 2015-8471-1
Data Sheet 25, Added blank to record the Response Source ICN.	User comment

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REVISION SUMMARY

Procedure No.: EPP-2080-ERO-001 Rev. No.: 14
Title: Emergency Response Resource Readiness

Alteration	Justification
Moved Security Control Center Quarterly checks to new Data Sheet 26.	Previously these checks were on Data Sheet 18 which is for the Berrien County EOC. User Comment.

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REVISION SUMMARY

Procedure No.: EPP-2080-ERO-001 Rev. No.: 14
Title: Emergency Response Resource Readiness

IMPLEMENTATION PLAN

Summary of Change

Refer to the Revision Summary

Reason for Change

See revision summary.

Implementation Schedule

- The changes in TLD numbers will occur with the TLD change out at the beginning of the first quarter 2017.
- The changes to the area TLDs and the posting of area EDs will also occur at the beginning of the first quarter 2017.
- PORC week 1/11/2016
- Effective date week 1/18/2016

Training Needs

None

Expiration Date

N/A

Required Basis Documents Update

None

Related Processes and Procedures

None

Transition Plan

None

Related Equipment Modifications

None

Communication Plan

None

Special Tools, Aids, Permits, Etc.

None

Related Actions

None

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REVISION SUMMARY

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