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<u>EPIR-TMI-.03</u>	<u>29</u>	<u>PCR-00-1635</u>		<u>X</u>		<u>1</u>
<u>EPIR-TMI-.06</u>	<u>35</u>	<u>PCR-00-1634</u>		<u>X</u>		<u>3</u>
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FOR INFORMATION ONLY

AmerGen

TMI - Unit 1
Emergency Procedure

Number

EPIP-TMI-.03

Title

Revision No.

Emergency Notifications and Call Outs

29

Applicability/Scope

USAGE LEVEL

Effective Date

TMI Division

1

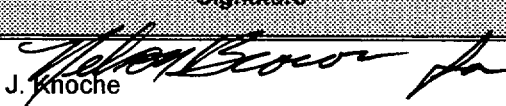
OCT 31 2000

This document is within QA plan scope
Safety Reviews Required

☒	Yes	☐	No
☒	Yes	☐	No

List of Effective Pages

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20	29	40	29				

	Signature	Date
Originator	A. J. Knoche 	10/30/00
Procedure Owner	/s/ A. J. Knoche	10/24/00
PRG	/s/ H. K. Olive	10/30/00
Approver	/s/ N. D. Brown	10/30/00

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1.0 PURPOSE

- a. To provide guidance in accomplishing initial notifications, reclassification notifications, and closeout notifications to off-site agencies.
- b. To provide guidance in accomplishing contact and call-out of emergency response personnel and facilities.

2.0 APPLICABILITY/SCOPE

- a. This procedure is applicable for all personnel performing notifications, contacts, and call-outs from the ECC.
- b. This procedure is to be used upon declaration of any emergency classification as specified in the Emergency Plan or when directed by the Emergency Director.

3.0 DEFINITIONS

- a. PEMARS - Pennsylvania Emergency Management Agency Radio System.

4.0 RESPONSIBILITIES

- a. Emergency Director
 - Oversees implementation of this procedure.
 - Selects and approves Emergency Report Forms.
- b. On-Shift ECC Communications Coordinator
 - Initiates/completes notifications until relieved.
 - Initiates the call-out process.
 - Provides a turn-over to the Initial Response Emergency Organization Communicator.
 - Arranges for repairs of malfunctioning communications circuits until relieved by the Initial Response Emergency Organization Communications Coordinator.

NOTE

- The Off-Site Notification process may be TEMPORARILY reassigned to another qualified communicator during circumstances where the CRO/SRO's attention is required for plant operations.
- Such reassignment should only occur under the most extreme conditions for initial plant stabilization and ONLY if a qualified alternative is already present in the Control Room.
- The CRO-SRO ECC Communications Coordinator is expected to be available to continue notifications within 30 minutes of event declaration and shall be the individual performing the notification to the NRC on the ENS line, unless relieved by the IREO communicator.

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- c. On-Shift Communicator
 - Completes the call-out/contact process.
 - Provides a turn-over to the Initial Response Emergency Organization Communications Coordinator or Communicator.
- d. Initial Response Emergency Organization ECC Communications Coordinator
 - Ensures initiation/completion of the notification and call-out processes.
 - Interfaces with the Emergency Director Assistant.
 - Arranges for repairs of malfunctioning communications circuits.
- e. Initial Response Emergency Organization Communicator
 - Initiates/completes notifications until relieved.
 - Initiates/completes call-outs. The call-out process is not turned over to the EOF Communicators.
 - Provides a notifications status to the Emergency Support Organization Communicator.

NOTE

Responsibility for performing off site notifications remains with the ECC Communicators and should not be turned over to the EOF Communicators except during extreme circumstances (e.g., evacuation of the ECC or failure of ECC telephones).

NOTE

All steps in Exhibits 1 through 5 and Exhibit 9 must be performed even if they appear to be redundant unless a qualifying term such as "if" or specific direction is provided in the step. The Emergency Director Assistant should be used to obtain Emergency Director concurrence for any step not performed. All steps not performed shall be marked "N/A".

NOTE

Steps required to be performed more than once (e.g., at an Alert before an escalation, and at an Alert a second time due to a later reduction in classification) should be initialed for each time performed.

NOTE

If communication system failures are experienced, refer to Exhibit 7, "Back Up Communications".

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5.0 PROCEDURE

5.1 Upon declaration/reclassification of an emergency, complete the appropriate exhibit listed below:

- _____ a. Unusual Event - Exhibit 1.
- _____ b. Alert - Exhibit 2.
- _____ c. Site Area Emergency - Exhibit 3.
- _____ d. General Emergency - Exhibit 4.

5.2 Upon termination of the incident, complete the appropriate following actions.

- _____ a. If off-site notification responsibilities were not transferred to the EOF Communicators, complete Exhibit 5, Closeout Notification Checklist, or
- _____ b. If off-site notification responsibilities were transferred to the EOF Communicators, confirm that the EOF Communicators are performing closeout notifications.
- _____ c. Ensure the appropriate event termination steps in Exhibit 9, "Call-Out Operations", have been completed.
- _____ d. Forward this procedure, all exhibits and associated paperwork to the Emergency Preparedness Department.

6.0 REFERENCES

- a. EPIP-TMI-.06, Additional Assistance and Notification
- b. EPIP-TMI-.27, Emergency Operations Facility

7.0 EXHIBITS

- a. Exhibit 1 - Unusual Event Checklist
- b. Exhibit 2 - Alert Checklist
- c. Exhibit 3 - Site Area Emergency Checklist
- d. Exhibit 4 - General Emergency Checklist
- e. Exhibit 5 - Closeout Notification Checklist
- f. Exhibit 6 - Emergency Response Data System Activation
- g. Exhibit 7 - Back Up Communications
- h. Exhibit 8 - Emergency Status Log
- i. Exhibit 9 - Call-Out Operations

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EXHIBIT 1

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UNUSUAL EVENT CHECKLIST

- _____ 1.0 **Obtain an Emergency Report Form** Part 1 and 2 from the Emergency Director or Shift Manager's computer printer.

NOTE

Do not allow problems encountered in Step 2.0 to interfere with completion of the 15 minute off site notifications per Step 3.0.

- 2.0 Activate the group pagers

- _____ 2.1 Lift the **EP Pager Call Out Phone receiver**.

- _____ 2.2 Push the **GROUP PAGE button**.

- _____ 2.3 After hearing the voice prompt "Please enter your caller password", **press the designated LEVEL button** [Designated on Part 1 of the Emergency Report Form, i.e., Level 1, Level 2, or Level 3]

- _____ 2.4 After hearing the voice prompt "Thank you" or when the page tones are heard, **Hang up**.

- 3.0 Perform 15 Minute Notifications.

- _____ 3.1 Confirm **Dial tone** on the **Notification Line**.

- _____ 3.2 **Toggle Switch up** to **OVERRIDE**.

- _____ 3.3 **Dial 91**.

- _____ 3.4 After the calling tone is heard, **Toggle Switch down** to **NORMAL**.

- _____ 3.5 As the agencies answer, state, **"This is Three Mile Island Nuclear Station. Stand by for an emergency message."** (State once and proceed immediately to the next step.)

- _____ 3.5.1 Log the time. _____

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____ 3.6 Ask if each agency is on the line.

[PEMA, are you on the line? Dauphin County?, etc.]

PEMA _____ (check when on line)
 Dauphin County _____
 Cumberland County _____
 Lancaster County _____
 Lebanon County _____
 York County _____

____ 3.7 If one or more agencies do not answer promptly, instruct another qualified ECC Communicator to perform a **parallel notification** to the missing agency using the Off Site Notification Auto Dialer.

____ 3.7.1 If necessary to perform parallel notifications, **log person contacted** for the correct county in step 3.10.

____ 3.8 State, ***"Please stay on the line after the following message to provide a name or dispatcher number and to confirm receipt."***

____ 3.9 Read Emergency Report Form, Part 1.

Time notification completed _____

____ 3.10 Request receipt confirmation.

"PEMA, name or dispatcher number?" _____
"Dauphin County?" _____
"Cumberland County?" _____
"Lancaster County?" _____
"Lebanon County?" _____
"York County?" _____

____ 3.11 **Flash the hook switch** until a dial tone is heard before hanging up.

____ 4.0 If not already notified in parallel by another ECC Communicator **Notify remaining agencies** that did not receive the information by pre-set conference call.

____ 4.1 **Log receipt confirmation** by recording name/dispatcher number and time notified in appropriate blank in Step 3.10.

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- _____ 5.0 **I&C Technicians** performing the previous steps are to provide a **turn over of this exhibit** to a qualified ECC Communications Coordinator (CRO or IREO Communications Coordinator).
- _____ 6.0 **Direct** an **ECC Communicator** to perform **Exhibit 9** of this procedure and provide Part 2 of the Emergency Report Form to him/her.
- _____ 7.0 Pin on the **ECC Communications Coordinator pin**.
- 8.0 NRC Notification using the Emergency Notification System (ENS)
 - _____ 8.1 **Dial** the ten digit number attached on the **ENS telephone**.
 - _____ 8.2 **Read** the **Emergency Report Form**.
 - _____ 8.3 **Record** the **person** contacted.
 Name _____ Time _____
 - _____ 8.4 **Maintain continuous communications** unless directed otherwise by the NRC Duty Officer.
 - _____ 8.5 If continuous communications are terminated by the NRC Duty Officer, **record the name of the individual directing termination**.
 Name _____

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EXHIBIT 2

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ALERT CHECKLIST

- _____ 1.0 **Obtain an Emergency Report Form Part 1 and 2 from the Emergency Director or Shift Manager's computer printer.**

NOTE

Do not allow problems encountered in Step 2.0 to interfere with completion of the 15 minute off site notifications per Step 3.0.

- _____ 2.0 **Activate the group pagers**

- _____ 2.1 **Lift the EP Pager Call Out Phone receiver.**
- _____ 2.2 **Push the GROUP PAGE button.**
- _____ 2.3 **After hearing the voice prompt "Please enter your caller password", press the designated LEVEL button**
[Designated on Part 1 of the Emergency Report Form, i.e., Level 2, or Level 3]
- _____ 2.4 **After hearing the voice prompt "Thank you" or when the page tones are heard, Hang up.**

- _____ 3.0 **Perform 15 Minute Notifications.**

- _____ 3.1 **Confirm Dial tone on the Notification Line.**
- _____ 3.2 **Toggle Switch up to OVERRIDE.**
- _____ 3.3 **Dial 91.**
- _____ 3.4 **After the calling tone is heard, Toggle Switch down to NORMAL.**
- _____ 3.5 **As the agencies answer, state, "This is Three Mile Island Nuclear Station. Stand by for an emergency message."**
(State once and proceed immediately to the next step.)
- _____ 3.5.1 **Log the time: _____**

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- _____ 3.6 Ask if each agency is on the line.
[PEMA, are you on the line? Dauphin County?, etc.]
- PEMA _____ (check when on line)
 Dauphin County _____
 Cumberland County _____
 Lancaster County _____
 Lebanon County _____
 York County _____
- _____ 3.7 If one or more agencies do not answer promptly, instruct another qualified ECC Communicator to perform a **parallel notification** to the missing agency using the Off Site Notification Auto Dialer.
- _____ 3.7.1 If necessary to perform parallel notifications, **log person contacted** for the correct county in step 3.10.
- _____ 3.8 State, ***"Please stay on the line after the following message to provide a name or dispatcher number and to confirm receipt."***
- _____ 3.9 **Read Emergency Report Form, Part 1.**
- Time notification completed _____
- _____ 3.10 Request receipt confirmation.
- "PEMA, name or dispatcher number?"*** _____
"Dauphin County?" _____
"Cumberland County?" _____
"Lancaster County?" _____
"Lebanon County?" _____
"York County?" _____
- _____ 3.11 **Flash the hook switch** until a dial tone is heard before hanging up.

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- _____ 4.0 If not already notified in parallel by another ECC Communicator **Notify remaining agencies** that did not receive the information by pre-set conference call.
- _____ 4.1 **Log receipt confirmation** by recording name/dispatcher number and time notified in appropriate blank in Step 3.10.
- _____ 5.0 **I&C Technicians** performing the previous steps are to provide a **turn over of this exhibit** to a qualified ECC Communications Coordinator (CRO or IREO Communications Coordinator).
- _____ 6.0 If not already performed, **direct** an **ECC Communicator** to perform **Exhibit 9** of this procedure and provide Part 2 of the Emergency Report Form to him/her.
- _____ 7.0 Pin on the **ECC Communications Coordinator pin**.
- _____ 8.0 **Verify activation of ERDS** (Emergency Response Data System) by the Shift Engineer.
 - _____ 8.1 **Provide Exhibit 6 to the Shift Engineer** if necessary.
 - _____ 8.2 If ERDS cannot be activated, **complete Exhibit 8**, Emergency Status Log before calling the NRC.
- _____ 9.0 NRC Notification using the Emergency Notification System (ENS)
 - _____ 9.1 **Dial** the ten digit number attached on the **ENS telephone**.
 - _____ 9.2 **Read the Emergency Report Form**.
 - _____ 9.3 **Record the person** contacted.
 Name _____ Time _____
 - _____ 9.4 **Maintain continuous communications** unless directed otherwise by the NRC Duty Officer.

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- _____ 9.5 If continuous communications are terminated by the NRC Duty Officer, **record the name of the individual directing termination.**

Name _____

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**EXHIBIT 3
SITE AREA EMERGENCY CHECKLIST**

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- _____ 1.0 **Obtain an Emergency Report Form Part 1 and 2 from the Emergency Director or Shift Manager's computer printer.**

NOTE

Do not allow problems encountered in Step 2.0 to interfere with completion of the 15 minute off site notifications per Step 3.0.

- _____ 2.0 **Activate the group pagers**
- _____ 2.1 **Lift the EP Pager Call Out Phone receiver.**
- _____ 2.2 **Push the GROUP PAGE button.**
- _____ 2.3 **After hearing the voice prompt "Please enter your caller password", press the "LEVEL 3" button.**
- _____ 2.4 **After hearing the voice prompt "Thank you" or when the page tones are heard, Hang up.**
- _____ 3.0 **Perform 15 Minute Notifications.**
- _____ 3.1 **Confirm Dial tone on the Notification Line.**
- _____ 3.2 **Toggle Switch up to OVERRIDE.**
- _____ 3.3 **Dial 91.**
- _____ 3.4 **After the calling tone is heard, Toggle Switch down to NORMAL.**
- _____ 3.5 **As the agencies answer, state, "This is Three Mile Island Nuclear Station. Stand by for an emergency message."**
(State once and proceed immediately to the next step.)
- _____ 3.5.1 **Log the time: _____**

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- _____ 3.6 Ask if each agency is on the line.
[PEMA, are you on the line? Dauphin County?, etc.]
- PEMA _____ (check when on line)
Dauphin County _____
Cumberland County _____
Lancaster County _____
Lebanon County _____
York County _____
- _____ 3.7 If one or more agencies do not answer promptly, instruct another qualified ECC Communicator to perform a **parallel notification** to the missing agency using the Off Site Notification Auto Dialer.
- _____ 3.7.1 If necessary to perform parallel notifications, **log person contacted** for the correct county in step 3.10.
- _____ 3.8 State, ***"Please stay on the line after the following message to provide a name or dispatcher number and to confirm receipt."***
- _____ 3.9 **Read Emergency Report Form, Part 1.**
- Time notification completed _____
- _____ 3.10 Request receipt confirmation.
- "PEMA, name or dispatcher number?"*** _____
"Dauphin County?" _____
"Cumberland County?" _____
"Lancaster County?" _____
"Lebanon County?" _____
"York County?" _____
- _____ 3.11 **Flash the hook switch** until a dial tone is heard before hanging up.

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- _____ 4.0 If not already notified in parallel by another ECC Communicator **Notify remaining agencies** that did not receive the information by pre-set conference call.
- _____ 4.1 **Log receipt confirmation** by recording name/dispatcher number and time notified in appropriate blank in Step 3.10.
- _____ 5.0 **I&C Technicians** performing the previous steps are to provide a **turn over of this exhibit** to a qualified ECC Communications Coordinator (CRO or IREO Communications Coordinator).
- _____ 6.0 If not already performed, **direct** an **ECC Communicator** to perform **Exhibit 9** of this procedure and provide Part 2 of the Emergency Report Form to him/her.
- _____ 7.0 Pin on the **ECC Communications Coordinator pin**.
- _____ 8.0 **Verify activation of ERDS** (Emergency Response Data System) by the Shift Engineer.
 - _____ 8.1 **Provide Exhibit 6 to the Shift Engineer** if necessary.
 - _____ 8.2 If ERDS cannot be activated, **complete Exhibit 8**, Emergency Status Log before calling the NRC.
- _____ 9.0 NRC Notification using the Emergency Notification System (ENS)
 - _____ 9.1 **Dial** the ten digit number attached on the **ENS telephone**.
 - _____ 9.2 **Read the Emergency Report Form**.
 - _____ 9.3 **Record the person** contacted.

Name _____ Time _____
 - _____ 9.4 **Maintain continuous communications** unless directed otherwise by the NRC Duty Officer.

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- _____ 9.5 If continuous communications are terminated by the NRC Duty Officer, **record the name of the individual directing termination.**

Name _____

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**EXHIBIT 4
GENERAL EMERGENCY CHECKLIST**

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- _____ 1.0 **Obtain an Emergency Report Form Part 1 and 2 from the Emergency Director or Shift Manager's computer printer.**

NOTE

Do not allow problems encountered in Step 2.0 to interfere with completion of the 15 minute off site notifications per Step 3.0.

- _____ 2.0 **Activate the group pagers**
- _____ 2.1 **Lift the EP Pager Call Out Phone receiver.**
- _____ 2.2 **Push the GROUP PAGE button.**
- _____ 2.3 **After hearing the voice prompt "Please enter your caller password", press the "LEVEL 3" button.**
- _____ 2.4 **After hearing the voice prompt "Thank you" or when the page tones are heard, Hang up.**
- _____ 3.0 **Perform 15 Minute Notifications.**
- _____ 3.1 **Confirm Dial tone on the Notification Line.**
- _____ 3.2 **Toggle Switch up to OVERRIDE.**
- _____ 3.3 **Dial 91.**
- _____ 3.4 **After the calling tone is heard, Toggle Switch down to NORMAL.**
- _____ 3.5 **As the agencies answer, state, "This is Three Mile Island Nuclear Station. Stand by for an emergency message."**
(State once and proceed immediately to the next step.)
- _____ 3.5.1 **Log the time:** _____

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- _____ 3.6 Ask if each agency is on the line.
[PEMA, are you on the line? Dauphin County?, etc.]
- PEMA _____ (check when on line)
Dauphin County _____
Cumberland County _____
Lancaster County _____
Lebanon County _____
York County _____
- _____ 3.7 If one or more agencies do not answer promptly, instruct another qualified ECC Communicator to perform a **parallel notification** to the missing agency using the Off Site Notification Auto Dialer.
- _____ 3.7.1 If necessary to perform parallel notifications, **log person contacted** for the correct county in step 3.10.
- _____ 3.8 State, ***"Please stay on the line after the following message to provide a name or dispatcher number and to confirm receipt."***
- _____ 3.9 **Read Emergency Report Form, Part 1.**
- Time notification completed _____
- _____ 3.10 Request receipt confirmation.
- "PEMA, name or dispatcher number?"*** _____
"Dauphin County?" _____
"Cumberland County?" _____
"Lancaster County?" _____
"Lebanon County?" _____
"York County?" _____
- _____ 3.11 **Flash the hook switch** until a dial tone is heard before hanging up.

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- _____ 4.0 If not already notified in parallel by another ECC Communicator **Notify remaining agencies** that did not receive the information by pre-set conference call.
- _____ 4.1 **Log receipt confirmation** by recording name/dispatcher number and time notified in appropriate blank in Step 3.10.
- _____ 5.0 **I&C Technicians** performing the previous steps are to provide a **turn over of this exhibit** to a qualified ECC Communications Coordinator (CRO or IREO Communications Coordinator).
- _____ 6.0 If not already performed, **direct an ECC Communicator** to perform Exhibit 9 of this procedure and provide Part 2 of the Emergency Report Form to him/her.
- _____ 7.0 Pin on the **ECC Communications Coordinator pin**.
- _____ 8.0 **Verify activation of ERDS** (Emergency Response Data System) by the Shift Engineer.
 - _____ 8.1 **Provide Exhibit 6 to the Shift Engineer** if necessary.
 - _____ 8.2 If ERDS cannot be activated, **complete Exhibit 8**, Emergency Status Log before calling the NRC.
- _____ 9.0 NRC Notification using the Emergency Notification System (ENS)
 - _____ 9.1 **Dial** the ten digit number attached on the **ENS telephone**.
 - _____ 9.2 **Read the Emergency Report Form**.
 - _____ 9.3 **Record the person** contacted.
 Name _____ Time _____
 - _____ 9.4 **Maintain continuous communications** unless directed otherwise by the NRC Duty Officer.

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_____ 9.5 If continuous communications are terminated by the NRC
Duty Officer, **record the name of the individual directing
termination.**

Name _____

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**EXHIBIT 5
CLOSEOUT NOTIFICATION CHECKLIST**

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- _____ 1.0 **Obtain an Emergency Report Form** from Emergency Director or Shift Manager's computer printer.
- 2.0 Perform Off Site Notifications.
- _____ 2.1 Confirm **Dial tone** on the **Notification Line**.
- _____ 2.2 **Toggle Switch up** to **OVERRIDE**.
- _____ 2.3 **Dial 91**.
- _____ 2.4 After the calling tone is heard, **Toggle Switch down** to **NORMAL**.
- _____ 2.5 As the agencies answer, state, ***"This is Three Mile Island Nuclear Station. Stand by for an emergency message."***
(State once and proceed immediately to the next step.)
- _____ 2.6 Ask if each agency is on the line.
[PEMA, are you on the line? Dauphin County?, etc.]
- PEMA _____ (check when on line)
- Dauphin County _____
- Cumberland County _____
- Lancaster County _____
- Lebanon County _____
- York County _____
- _____ 2.7 State, ***"Please stay on the line after the following message to provide a name or dispatcher number and to confirm receipt."***
- _____ 2.8 **Read Emergency Report Form.**

Time notification completed _____

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- _____ 2.9 Request receipt confirmation.
- "PEMA, name or dispatcher number?"** _____
"Dauphin County?" _____
"Cumberland County?" _____
"Lancaster County?" _____
"Lebanon County?" _____
"York County?" _____
- _____ 2.10 **Flash the hook switch** until a dial tone is heard before hanging up.
- _____ 3.0 **Notify remaining agencies** that did not receive the information by pre-set conference call.
- _____ 3.1 **Log receipt confirmation** by recording name/dispatcher number and time notified in appropriate blank in Step 2.9.
- 4.0 NRC Notification using the Emergency Notification System (ENS)
- _____ 4.1 **Dial** the ten digit number attached on the **ENS telephone**.
- _____ 4.2 **Read** the **Emergency Report Form**.
- _____ 4.3 **Record** the **person** contacted.
- Name _____ Time _____

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EXHIBIT 6
EMERGENCY RESPONSE DATA SYSTEM ACTIVATION

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NOTE

Activation of ERDS is performed by the Shift Technical Advisor. The ECC Communications Coordinator confirms establishment of the link.

NOTE

Perform the following steps at Control Room CRT 3 or CRT 4. If unavailable, use the TSC CRT.

- _____ 1.0 **Press "ERDS" key.** The Emergency Response Data System - Control Functions page should be displayed.
- _____ 2.0 **Press the "1" key.**
- _____ 3.0 **Press "EXEC" key.** The Emergency Response Data System - Parameter Display page 1 of 2 should be displayed.
- _____ 4.0 **Confirm link established** by the following indication displayed at the bottom of the Emergency Response Data System - Parameter Display page:

Modem Status: Connect
 Link Status: Idle or Run
 ERDS Status: Active
- _____ 5.0 **If the link cannot be established**, request the ECC Communications Coordinator to pursue resolution of the problem.
- _____ 6.0 **To terminate ERDS:**
 - _____ 6.1 **Press "ERDS" key.**
 - _____ 6.2 **Press the "PAGE BACK" key.**
 - _____ 6.3 **Press the "3" key.**
 - _____ 6.4 **Press the "EXEC" key**

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PROBLEM RESOLUTION

1. Failure to complete the link will be indicated by the following display at the bottom of the Emergency Response Data System - Parameter Display page:

Modem Status: Fail
Link Status: Fail
ERDS Status: Inactive

- _____ 2. Contact the NRC using the ENS Line or dial telephone to ensure a line is available and they are prepared to receive ERDS data.
3. The software should automatically re-establish the link in the event of a problem, but manual intervention may be required.
4. If manual intervention is required to re-establish the link.
 - _____ 4.1 Press "ERDS" key.
 - _____ 4.2 Press the "PAGE BACK" key.
 - _____ 4.3 Press the "2" key.
 - _____ 4.4 Press the "EXEC" key.
- _____ 5. To obtain assistance with ERDS problems not resolved by the previous actions, contact the computer support individual listed on the Initial Response Emergency Organization Duty Roster.

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Back Up Communications

SECTION I - ADDITIONAL TELEPHONE NUMBERS/ALTERNATE COMMUNICATIONS PATHWAYS

Pennsylvania Emergency Management Agency

1. Lines specified in Exhibits 1, 2, 3, 4, & 5.

Notification Line..... 37

2. Commercial telephone lines9-651-2001

3. PEMARS Radio Link

4. Message relay through a risk county.

Risk Counties

1. Lines specified in the Exhibits 1, 2, 3, 4, & 5.

Notification Line	Dauphin County.....	38
	York County.....	30
	Lancaster County.....	34
	Cumberland County.....	35
	Lebanon County.....	39

2. Commercial telephone lines

Dauphin County.....	9-911
.....	9-558-6900
.....	9-558-6800
York County.....	9-854-5571
.....	9-840-7555
.....	9-1-800-427-8347
Lancaster County.....	9-664-1200
.....	9-664-1190
Cumberland County.....	9-238-9676
.....	9-243-4121
.....	9-532-8878
Lebanon County.....	9-272-2025
.....	9-272-7621
.....	9-272-2054

3. PEMARS Radio Link

4. Message relay through PEMA

5. Message relay through neighboring risk county.

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Nuclear Regulatory Commission

1. FTS 2000 Dedicated Telephone Circuits

Emergency Notification System (ENS)
Health Physics Network (HPN)
Protective Measures Counterpart Link (PMCL)
Reactor Safety Counterpart Link (RSCL)
Management Counterpart Link (MCL)
Local Area Network (LAN)

NOTE

When using the Emergency Notification System (ENS), Health Physics Network (HPN), Protective Measures Counterpart Link (PMCL), Reactor Safety Counterpart Link (RSCL), Management Counterpart Link (MCL), or Local Area Network (LAN) telephones, dial only the ten digit number. Do not dial "9" or "1" before dialing the numbers listed when using these NRC telephones.

Primary Number 301-816-5100
Back up Number 1 301-951-0550
Back up Number 2 301-415-0550

2. Commercial telephone lines

Primary Number 9-1-301-816-5100
Back up Number 1 9-1-301-951-0550
Back up Number 2 9-1-301-415-0550

3. Message relay through PEMA or Risk County.

NOTE

1. Although local telephone service may be affected, the microwave/fiber optics telephone system to remote facilities may be functional and allow a message relay.
2. If all telephone service to TMI is lost, a relay to the EOF over the Environmental Assessment Radio could be used for communications. Telephone service at the EOF may still be functional allowing notifications to be made by the EOF staff.

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SECTION II - EQUIPMENT FAILURE ALTERNATIVES

NOTE

All communications equipment failures should be reported to the ECC Communications Coordinator for resolution.

Meridian Telephone System Failure

1. Use available telephones with a 944 prefix. (e.g., EP Pager Call Out Phone) These telephones are connected directly to the Middletown Central Office and are independent of the Meridian System.

EP Pager Call Back Line Failure

1. Manually access the voice mail box. Refer to the instructions for "Performing Call-Outs From A Remote Location" in this exhibit.
2. If necessary, use the EP Pager Call Back Line at the Plant Reference Simulator
3. Answer calls manually using telephone extension 8801.

EP Pager Call Out Phone Failure (Group Pager Activation)

1. Obtain the group pager telephone number and password kept in the Shift Manager's Office safe or in the Control Room from the Shift Manager or Control Room Supervisor desk cabinet.
2. Using any functional touch-tone telephone, manually dial the group pager activation number.
3. When the voice prompt "Please enter your caller password" is heard, dial the password obtained in Step 1.
4. Dial one of the following numbers as indicated on the Emergency Report Form:
 - a. Level 1 - Dial "948*8801*1#" to notify the Public Information Duty Representative.
 - b. Level 2 - Dial "948*8801*2#" to activate the Initial Response Emergency Organization, EACC, and the Public Information Duty Representative.
 - c. Level 3 - Dial "948*8801*3#" to activate the Emergency Support Organization, Initial Response Emergency Organization, the EACC, and the Public Information Duty Representative.
5. When the voice prompt "Thank you" or the page tones are heard, you may hang up.

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Group Pager Activation Failure

1. If the group page activation was unsuccessful, perform a second attempt.
2. If the second attempt was unsuccessful, proceed as follows:
 - 2.1 Lift the EP Pager Call Out Phone receiver.
 - 2.2 Press the Backup Group Page button.
 - 2.3 After hearing the voice prompt, "Please enter your caller password", press the designated LEVEL button (designated on Part 1 of the Emergency Report Form, i.e., Level 1, Level 2 or Level 3.
 - 2.4 After hearing the voice prompt "Thank you", hand up.
3. If group pager activation is still not successful:
 - 3.1 Attempt to manually activate the group pagers by performing the steps shown in the "EP Pager Call Out Phone Failure" section above.
4. If none of the above methods are successful:
 - 4.1 Contact the duty Emergency Preparedness Representative (Position 504 on the Emergency Support Organization Duty Roster) using the telephone numbers provided in the phone list kept with the duty rosters and request assistance with call outs.
 - 4.2 In coordination with the Emergency Preparedness Rep., call personnel individually at the numbers provided in the Duty Roster and telephone list.
 - 4.2.1 Call the office number during normal work hours
 - 4.2.2 Call the home number after normal work hours
 - 4.2.3 Attempt to individually page personnel:
 - a. Dial the pager number shown on the Duty Roster
 - b. Dial one of the following numbers as indicated on the Emergency Report Form
 1. Level 1 dial - "948*8801*1#"
 2. Level 2 dial - "948*8801*2#"
 3. Level 3 dial - "948*8801*3#"
 - c. When the voice prompt "Thank you" is heard, hang up.
 - 4.2.4 Repeat steps 4.2.1 through 4.2.3 for each individual required to respond.

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Performing Call-Outs From A Remote Location

1. Obtain the group pager activation number and password from the Shift Manager or Control Room Supervisor's desk cabinet in the Control Room or from the Tech Support Center File Cabinet.
2. Using any touch-tone telephone (i.e., non-rotary dial telephone), dial the group page activation number.
3. When the voice prompt "Please enter your caller password" is heard, dial, enter the password obtained in Step 1.
4. Dial one of the following numbers as indicated on the Emergency Report Form:
 - a. Level 1 - Dial "948*8801*1#" to notify the Public Information Duty Representative.
 - b. Level 2 - Dial "948*8801*2#" to activate the Initial Response Emergency Organization, the EACC and the Public Information Duty Representative.
 - c. Level 3 - Dial "948*8801*3#" to activate Emergency Support Organization, the Initial Response Emergency Organization, the EACC and the Public Information Duty Representative.
5. When the voice prompt "Thank you" or the pager tones are heard, you may hang up.
6. After individuals have had time to respond to the page, use any Meridian telephone to dial "8424". (The voice prompt "Meridian mail. Mail box?" will be heard.)
7. Dial "8801#". (Voice prompt "Password?" will be heard.)
8. Dial "CALL OUT#" (or "2255688#"). Voice prompt "You have X new voice messages. Message one." will be heard. The first message will be played and end with voice prompt "End of message".)
9. At this point the steps of Exhibit 9, starting at Step 3.5, may be followed.

Middletown Switching System (Central Office) Failure

NOTE

All TMI local telephone lines and dedicated emergency lines (ML-8000 lines) to off-site facilities require the Middletown Central Office to be functional.

Local service to Middletown will not be available regardless of the method used below.

1. Bypass the Middletown Central Office by using the GPU fiber optics system. Using any Shift Manager's Office, Control Room, or TSC telephone, dial 2911-9-1-Area Code (if other than 610)-telephone number.
2. Group pager activation may be completed by obtaining the number from the Shift Manager or Control Room Supervisor and dialing 2911-9-1-800-number from any Shift Manager's Office, Control Room, or TSC telephone,

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Harrisburg Central Office Failure

1. Dial local calls to telephone numbers with 944,948, and 367 prefixes in the normal manner.

2. With the exception of Harrisburg exchanges, complete all other calls using the GPU fiber optics system. Using any Shift Manager's Office, Control Room, or TSC telephone, dial 2911-9-1-Area Code (if other than 610)-telephone number.

NOTE

As the paging company utilizes the Harrisburg Central Office, group and individual pager service may not be available.

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EXHIBIT 8

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Emergency Status Log

NOTE

This exhibit should be used as a guide for transmittal of information to the NRC when the Emergency Response Data System is unavailable. Communicator mobility available through the use of the cordless head-set in the Control Room/ECC will allow this exhibit to be completed as and if needed after contact with the NRC has been established. Do not exceed the one hour notification time limit.

NOTE

If transmitting this information to the Region I Incident Response Center, it may be more efficient to telecopy these sheets to the telecopier number provided in the "Additional Assistance and Notification" procedure (EPIP-TMI-.06).

A. Type of Event (Check the appropriate area[s])

☐ 50.72 (non-emergency)	☐ Site Area Emergency	☐ Physical Security
☐ Unusual Event	☐ General Emergency	☐ Safeguards
☐ Alert	☐ Transportation	☐ Other

B. Facilities Activated

☐ ECC	☐ EOF
☐ OSC	
☐ TSC	

C. Description of Emergency (Include basis for event and event details)

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D. Event Time: _____

E. Power Level Prior to the Event: _____
Present Power Level: _____

F. Has the Reactor tripped? Yes / No

G. Were the Emergency Safeguards Systems actuated? Yes / No
If so, which ones (Check as applicable) Mode of Actuation
(Circle as required)

_____	• High Pressure Injection	<u>AUTO / MANUAL</u>
_____	• Low Pressure Injection	<u>AUTO / MANUAL</u>
_____	• Core Flood	<u>AUTO / MANUAL</u>
_____	• 4 psig Reactor Building Isolation	<u>AUTO / MANUAL</u>
_____	• Reactor Building Spray Actuated	<u>AUTO / MANUAL</u>

H. What is the status (mode) of the plant

_____	• At Power	Other Information:
_____	• Hot Standby	
_____	• Hot Shutdown	Reactor Pressure _____ psig
_____	• Cooling Down	Reactor Temperature _____ °F

Describe Cooling Mode _____

I. Containment status (if applicable) _____

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EXHIBIT 8

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O. The following additional information may be requested depending on the type of emergency.

- Procedures In Use
- Personnel in Control Room
 - a. Name
 - b. Position
- Emergency Ventilation Status (Control Room)
- DC Power Status
- Service Water Status
 - a. Decay Heat River Water
 - b. Reactor Building Emergency River Water
 - c. Nuclear Services River Water
 - d. Secondary Services River Water
- Primary Component Cooling Water Status
 - a. Nuclear Services Closed Cooling Water
 - b. Decay Heat Closed Cooling
 - c. Intermediate Closed Cooling
- Secondary Component Cooling Water Status
 - a. Secondary Services Closed Cooling
- Reactor Status
 - a. Average Temp, 5 Highest Incore T/C's _____/Trend_____
 - b. Reactor Vessel Water Level _____/Trend_____
 - c. Emergency Boration Source
 - d. Boron Concentration_____

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- Primary Coolant System Status
 - a. Reactor Coolant Pump Status
 - b. Pressurizer Temperature _____/Trend _____
 - c. Safety Valve Status
 - d. RCDT (also called PRTR or PDT) Level _____/Pressure _____
 - e. Loop Temperatures (Wide Range) _____/Trend _____
 - f. Subcooling Margin
 - Loop Margin _____
 - Incore Margin _____
 - g. RCS Activity
 - Gas Concentrations _____
 - Specific Activity
- Total _____ Dose Equivalent I-131 _____
- Containment Status
 - a. Pressure _____
 - b. Sump Levels
 - Sump _____ Flood _____
 - c. Hydrogen Concentration _____
 - d. RB Spray Status
 - e. LOCA Monitor Status
 - RM-G22/23
 - Additional Rad Data should be requested over the Health Physics Network (HPN Line).
- ECCS Status
 - a. Makeup Pump Status/Indication (also called HPSI or Charging Pump Data)

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- b. Decay Heat Removal Pump Status/Indication (also called LPSI or RHR Pump Data)
- Secondary Plant Status
 - a. Steam Generator Levels
 - OTSG "A" _____ OTSG "B" _____
 - b. Steam Generator Pressures
 - OTSG "A" _____ OTSG "B" _____
 - c. Steam Generator Status
 - Tube Leakage (OTSG "A"/"B")
 - Isolated
 - Cooling Supply
 - 1. Normal Feedwater Flow Rate
 - 2. Emergency (Auxiliary) Feedwater Flow Rate
 - Cooling Sink
 - 1. Atmospheric Dump Valves
 - 2. Turbine Bypass Valves
 - d. Condensate Storage Tank Levels
 - CO-T-1A _____ CO-T-1B _____

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EXHIBIT 9 CALL OUT OPERATIONS

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NOTE

This exhibit and Emergency Report Form, Part 2 are required to perform the following steps.

- _____ 1.0 **Obtain** the Initial Response Emergency Organization and Emergency Support Organization **Duty Rosters** from the Shift Manager's Office bulletin board.

- _____ 2.0 **If** the declaration is an **Unusual Event with radiological considerations**, **call out the duty RAC** (Radiological Assessment Coordinator).
 - _____ 2.1 **Obtain telephone numbers for Position 105** (RAC) on the Initial Response Emergency Organization Duty Roster and call the individual listed.

 - _____ 2.2 To individually page the duty RAC:
 - _____ 2.2.1 **Dial the individual pager number.**

 - _____ 2.2.2 **Dial the call back number** you wish the person to call. (for example: 948*8778#)

 - _____ 2.2.3 After hearing the voice prompt, "Thank you", **hang up.**

- _____ 3.0 Review Emergency Response Organization response using the **EP Pager Call Back Line.**
 - _____ 3.1 **Dial "8424"** on the EP Pager Call Back Line.

 - _____ 3.2 If there are not a large number (≥ 20) of new voice mail messages, **hang up** the EP Pager Call Back Line and re-activate the group pagers as follows:
 - _____ 3.2.1 Lift the **EP Pager Call Out Phone receiver.**

 - _____ 3.2.2 Push the **GROUP PAGE** button.

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- _____ 3.2.3 After hearing the voice prompt "Please enter your caller password", **press the designated LEVEL button** [Designated on Part 1 of the Emergency Report Form, i.e., Level 1, Level 2, or Level 3]
- _____ 3.2.4 After hearing the voice prompt "Thank you" or when the page tones are heard, **Hang up**.
- _____ 3.2.5 If a failure of the group page system is suspected, refer to the "Group Pager Activation Failure" section of Exhibit 7.
- _____ 3.3 **Dial "8424"** on the EP Pager Call Back Line.
- _____ 3.4 After dialing "8424", the first message will play.
- _____ 3.5 **Check off the individual** on the duty roster.
- _____ 3.6 **Press "76"** to delete the message.
- _____ 3.7 **Press "6" and then "2"** to review the next message.
- _____ 3.8 **Repeat steps 3.5 through 3.7** until all messages are reviewed. (Voice prompt "End of Mailbox will indicate all messages have been reviewed.)
- _____ 4.0 **Determine unmanned positions** on the duty roster (i.e., the positions not checked).
- _____ 5.0 **Contact non-responding personnel** using the telephone numbers on the TMI Initial Response and Emergency Support Organization Telephone List. (Prioritize contacts to Coordinator positions and single person positions first.)
 - _____ 5.1 To **individually page non-responding personnel**.
 - _____ 5.1.1 **Dial the individual pager number**.
 - _____ 5.1.2 **Dial "948*8801#" for the call back number**.
 - _____ 5.1.3 After hearing the voice prompt, "Thank you", **hang up**.

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- _____ 6.0 **Periodically repeat steps 3.3 through 3.8** to review any new messages.
- _____ 7.0 **Replace non-responding personnel** by contacting other qualified individuals indicated on the TMI Initial Response and Emergency Support Organization Telephone List.
- _____ 8.0 **Check Emergency Response Facilities** for emergency response personnel.
 - _____ 8.1 Shift Manager's Office/ECC/RAC. Visual check.
 - _____ 8.2 Operations Support Center. Call or 8672 or 8833.
 - _____ 8.3 Technical Support Center. Visual check.
 - _____ 8.4 Emergency Operations Facility. Call 8903 or 9-657-0739..
- _____ 9.0 If notified by the RAC that BRP call back has not been received, notify PEMA that BRP call back has not been received.
- _____ 10.0 **Contact the NRC Senior Resident Inspector.**
 - _____ 10.1 **Call J. Daniel Orr**

Site telephone	948-8253
Home telephone	1-610-932-3144
Pager number	1-800-398-7853
 - _____ 10.2 **Read Emergency Report Form**, Part 2 when contacted.
 - _____ 10.3 **Record time** contacted: _____

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13.0 Contact the York Haven Power Station

_____ 13.1 Use the Auto-Dialer or **Dial 9-848-7277** or 9-266-3654.

_____ 13.2 **Read Emergency Report Form**, Part 2.

_____ 13.3 **Record** the **person** contacted.

Name _____ Time _____

14.0 Contact the PECO Energy Resource Operator

_____ 14.1 Use the Auto-Dialer or **Dial 9-1-215-808-4815**.

_____ 14.2 **Read Emergency Report Form**, Part 2.

_____ 14.3 **Record** the **person** contacted.

Name _____ Time _____

_____ 15.0 Inform the Emergency Director Assistant when all **contacts** have been **completed**.

16.0 **Event Termination** notifications.

_____ 16.1 **NRC Resident Inspector** contacted on step 10.0.

Person notified _____ Time _____

_____ 16.2 **York Haven Power Station** contacted in step 13.0.

Person notified _____ Time _____

_____ 16.3 **System Dispatcher** contacted in step 14.0.

Person notified _____ Time _____

_____ 17.0 **Forward this procedure** and all associated documentation to the Emergency Preparedness Department.

FOR INFORMATION ONLY

AmerGen

TMI - Unit 1
Emergency Procedure

Number

EPIP-TMI-.06

Title

Revision No.

Additional Assistance and Notification

35

Applicability/Scope

USAGE LEVEL

Effective Date

TMI Division

3

OCT 31 2000

This document is within QA plan scope
Safety Reviews Required

☒	Yes	☐	No
☒	Yes	☐	No

List of Effective Pages

Page	Revision	Page	Revision	Page	Revision	Page	Revision
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2	35						
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14	35						
15	35						
16	35						
17	35						
18	35						

	Signature	Date
Originator	A. J. Knoche 	10/30/00
Procedure Owner	/s/ A. J. Knoche	10/25/00
PRG	/s/ H. K. Olive	10/30/00
Approver		10/30/00

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1.0 PURPOSE

To provide Emergency Response Personnel with a directory of additional emergency response personnel, organizations and agencies for the purpose of making reports and obtaining assistance during an incident at TMI.

2.0 APPLICABILITY/SCOPE

This procedure applies to all TMI Emergency Response personnel of the On-shift, Initial Response, and Emergency Support Organizations responsible for contacting on-site and off-site agencies.

3.0 DEFINITIONS

None

4.0 RESPONSIBILITIES

The Emergency Director and/or the Emergency Support Director is/are responsible for implementing this procedure through the communicators at the ECC and EOF.

5.0 PROCEDURE

5.1 In the event of a declared emergency at TMI that requires additional emergency response personnel, organizations or agencies, take the following steps if required:

- a. Determine the discipline, personnel, or equipment needed for the class of emergency declared.
- b. Refer to the Exhibits section in Step 7.0 and identify the general category needed.
- c. Turn to the appropriate exhibit to determine the telephone number needed.
- d. If problems are encountered with emergency telephones, report the problem to the ECC Communications Coordinator. The Communications Coordinator shall refer to Exhibit 5.

5.2 Contact the organization needed and identify yourself by name, position, and Three Mile Island Nuclear Station.

- a. Identify and give a brief description of the situation.
- b. Identify necessary personnel/equipment needed and request assistance.
- c. Identify a telephone number that can be used by the assisting organization to call back, if appropriate.
- d. Based on information obtained from the RAC or EAC, provide a "best approach route" to responding organizations so that exposure to the plume will be minimized.

5.3 Log all pertinent information in accordance with the "Communications and Record Keeping" procedure, EPIP-TMI-.05.

5.4 If further assistance is required, repeat 5.1 through 5.3 as needed.

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Additional Assistance and Notification

5.5 If additional telephone numbers are needed to obtain assistance, consider the following sources of information:

- a. TMI Employee Directory
- b. INPO Emergency Resources Manual
- c. Local telephone book

5.6 Forward procedures used during emergencies, drills, and exercises to the TMI Emergency Preparedness Group following the incident.

6.0 REFERENCES

- EPIP-TMI-.05, Communications and Record Keeping
- Employee Phone Directory
- INPO Emergency Resources Manual

7.0 EXHIBITS

- Exhibit 1 - TMI On-Site Emergency Response Directory
- Exhibit 2 - TMI Off-Site Emergency Response Directory
- Exhibit 3 - Off-Site Emergency Organizations and Assistance (non TMI Organizations)
- Exhibit 4 - Emergency Telephone Numbers for NRC Notification
- Exhibit 5 - Telephone, Pager and LAN Trouble Reporting Procedure
- Exhibit 6 - Emergency Aviation Support Instructions

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EXHIBIT 1
TMI On-Site Emergency Response Directory

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EMERGENCY CONTROL CENTER (CONTROL ROOM)

TELEPHONE NO.

NOTE

For drills and exercises, the Plant Reference Simulator telephone numbers shall be used, not the actual Control Room telephone numbers.

Shift Manager's Office		948-8778
	(Telecopier)	948-8779
Control Room - Console		948-5579
Control Room Operator		948-8069
Control Room Supervisor		948-8071
Shift Manager		948-8070
Control Room - Dose Assessment (RAC)		948-8525
Control Room - RAC-R&EC Telephone		944-0382
COLA Computer Reboot Extension		948-8297
Off-site Notification Auto-Dialer		948-8984
EP Pager Call Out Phone		944-6623
EP Pager Call Back Line		948-8801
Plant Reference Simulator (for drills and exercises only)	(CRO)	948-2069
	(Control Room Supervisor)	948-2071
	(Shift Manager)	948-2070
	(RAC Area)	948-2063
	(Telecopier)	948-2079
	(Media Rep)	948-2057
	(ECC Communicators)	948-2078
	(EP Pager Call Out Phone)	944-4300
	(EP Pager Call Back Line)	948-8801

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EXHIBIT 1

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OPERATIONS SUPPORT CENTER

OSC Coordinator 948-8672

GRCS/Rad Con Coordinator 948-8833

(GRCS Cellular) 5444
(Outside access to GRCS Cellular) 948-8248, ext. 5444

Radiological Controls Technicians (Telecopier) 948-8821

TECHNICAL SUPPORT CENTER

TSC Coordinator and Engineers 948-8773

948-8774

948-8951

BACKUP TECH SUPPORT CENTER

948-5505

948-5506

948-5507

(Telecopier) 948-8780

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SITE SECURITY

Processing Center		948-8038
Central Alarm Station (CAS)		948-8039
Secondary Alarm Station (SAS)		948-8040
CAS Command Center (Central Alarm Station)		948-8132
		948-8134
		948-8159
	(FAX)	948-8422
OSF Command Center		948-8314
		948-8309
		948-8302
	(FAX)	948-8044
North Gate		948-8445
		948-5554
		948-8444
South Gate		948-8446
<u>MEDICAL DEPARTMENT</u>		948-8327

(Call the Control Room/ECC for medical emergencies)

WAREHOUSES

Warehouse 1 (Emergency Assembly Area)	(also 948-8248, Ext., 5500)	948-5500
Warehouse 1		948-8503
Warehouse 3 (Emergency Assembly Area)	(also 948-8248, Ext., 5042)	948-5042

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EXHIBIT 1

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MISCELLANEOUS

Dosimetry	948-8473
	948-8474
Computer Group	948-8606
	948-8107
	948-2062
PPC Modem dedicated backup line	944-2691
PPC Modem dedicated backup line	944-3007
Transportation	948-8733
Communications	948-8197

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TMI Off-Site Emergency Response Directory

MERGENCY OPERATIONS FACILITY (SUSQUEHANNA TWP.)

WORK PHONE NO.

Admin Support	948-8964
	948-8965
	9-657-2368
	9-657-2739
Communicators	948-8903
	9-657-0739
Communications Division Area	948-8417
	948-8968
	9-657-1039
Environmental Assessment Command Center	9-540-4500
	9-540-4501
ESD Conference Room	948-8966
	9-657-0471
Group Leader - R&EC Area	948-8966
	9-657-2097
	9-657-0564
	9-657-0629
NRC Areas	9-657-1967
	9-657-2225
	9-657-2435
	9-657-2818
Engineering Area	948-8967
	9-657-0471

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Telecopier		9-657-3509
State Representative Area	(BRP Rep.)	9-657-1234
	(PEMA Rep.)	9-657-0511

JOINT INFORMATION CENTER (COMMERCE PARK, SUSQUEHANNA TOWNSHIP)

	9-540-4900
Rumor Control Telephone Number	9-540-4909
(Joint Information Center Telecopier)	9-540-4907

NEAR SITE JOINT INFORMATION CENTER (TMI TRAINING CENTER)

General Telephone Number	948-2095
Rumor Control Number	9-540-4909
Near Site JIC Telecopier	948-2064

REMOTE ASSEMBLY AREAS

TMI Training Center	(Assembly Area)	948-2001 Extension 5810
	(Assembly Area)	948-2001 Extension 5811
	(Decon Area)	948-2001 Extension 5815
EOF	(Admin Support)	948-8964

MISCELLANEOUS

Three Mile Island Help Desk	948-8393
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Off-site Emergency Organizations and Assistance (Non TMI Organizations)

GOVERNMENTAL AGENCIES

WORK PHONE NO.

FEDERAL

NOTE

U.S. Nuclear Regulatory Commission numbers are listed in Exhibit 4.

Department of Energy - Radiological Assistance Program (24 Hours) 9-1-631-344-2200

Duty Officer at Brookhaven National Laboratory

STATE

Pennsylvania Emergency Management Agency/State EOC (24 Hours) 9-651-2001

1-800-424-7362

Governor's Area 9-651-2148

9-651-2011

PEMA Fax's 9-651-2021

9-651-2024

Department of Environmental Protection (DEP) 9-787-2480

Bureau of Radiation Protection (BRP)

BRP Assessment Center

(9-5 and when manned) 9-783-9741

(9-5 and when manned) 9-787-1990

(9-5 and when manned) 9-787-9135

(Telecopier) 9-783-9748

BRP Emergency Operations Area (State EOC)

(when manned) 9-651-2128

9-651-2129

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COUNTY

Dauphin County	Comm Center	9-911 or 9-558-6900
	EMA Offices	9-558-6800
	Fax	9-558-6950
Lancaster County		9-664-1200
		9-664-1190
	Fax	9-664-1127
	Fax	9-664-1126
York County		9-854-5571
		9-840-7555
		9-1-800-427-8347
	Fax	9-840-7406
	Fax	9-840-7243
Lebanon County	(0800-1630)	9-272-7621
		9-272-2054
	(After hours)	9-272-2025
	Fax	9-272-9509
Cumberland County		9-238-9676
		9-243-4121
		9-532-8878
	Fax	9-240-6406

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EMERGENCY SERVICES (Fire/Police/EMS)

Dauphin County 911 Dispatch Center		9-911
Pennsylvania State Police	(24 Hours)	9-671-7500

HOSPITALS

Hershey Medical Center (Emergency Room)		9-531-8333
Harrisburg Hospital	Senior Attending Physician	9-782-3131

METEOROLOGICAL INFORMATION

National Weather Service (NWS)	(Admin)	9-1-814-234-9412
	(24 Hours)	9-1-814-237-1152
	(24 Hours)	9-1-814-237-1153

CONSULTANTS

Institute of Nuclear Power Operations (INPO)		9-1-770-644-8000
	(24 hours-Emergency)	9-1-800-321-0614
American Nuclear Insurers		9-1-860-561-3433
Framatome, Lynchburg, VA. (formerly Babcock and Wilcox)	Brendon Brooks	9-1-804-832-3000
	Work Home	9-1-804-832-3219
		9-1-804-384-6598
Aviation		(See Exhibit 6)
Norfolk Southern Corporation - Supervisor of Train Operations		9-541-2158
		9-541-2140

UTILITIES

York Haven Power Station	9-848-7277
	9-266-3654

System Generation Dispatcher	9-1-610-375-5421
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Also refer to the INPO Emergency Resources Manual

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Emergency Telephone Numbers for NRC Notification

<u>COMMERCIAL TELEPHONE SYSTEM/TMI TELEPHONE SYSTEM</u>		<u>TELEPHONE NUMBER</u>
• To NRC Operations Center (Rockville, MD)	(Primary Number)	9-1-301-816-5100
	(Backup Number)	9-1-301-951-0550
	(Backup Number)	9-1-301-415-0550
	(Telecopier Number)	9-1-301-816-5151
• TMI USNRC Site Office		9-948-1166
		9-948-1165
	(Site Telephone)	948-8253
Resident Inspectors		
J. Daniel Orr	(Home)	9-1-610-932-3144
	(Pager)	9-1-800-398-7853
Craig Smith	(Home)	9-1-717-566-4757
	(Pager)	9-1-800-398-8135
• USNRC Region I Incident Response Center	(Telecopier)	9-1-610-337-5067

USNRC FTS 2000 TELEPHONE SYSTEM

NOTE

Only dial the ten digit number when using NRC FTS 2000 telephones. Do not dial a "1" or "9" before dialing the number.

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NOTE

These telephones are a stand-alone system. A call can be completed to the below listed lines at the numbers shown only from another FTS 2000 telephone.

- To USNRC (Rockville, MD) - Emergency Notification System (ENS), Health Physics Network (HPN), Reactor Safety Counterpart Link (RSCL), Protective Measures Counterpart Link (PMCL), Management Counterpart Link (MCL).

	(Primary)	301-816-5100
	(Backup)	301-951-0550
	(Backup)	301-415-0550

- To TMI FTS 2000 Telephones

Emergency Notification System (ENS)	
ECC/Control Room	700-361-1181
Technical Support Center	700-361-1181
Emergency Operations Facility	700-361-1169
Health Physics Network (HPN)	
ECC/Control Room	700-361-2146
Emergency Operations Facility	700-361-1172
Reactor Safety Counterpart Link (RSCL)	
ECC/Control Room	700-361-2148
Technical Support Center	700-361-2148
Emergency Operations Facility	700-361-1168
Protective Measures Counterpart Link (PMCL)	
ECC/Control Room	700-361-2150
Emergency Operations Facility	700-361-1171
Management Counterpart Link (MCL)	
Emergency Operations Facility	700-361-1167
Local Area Network (LAN)	
Emergency Operations Facility	700-361-1170

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Communications Systems Reporting Guidance

NOTE

The ECC Communications Coordinator is responsible for coordinating repairs for emergency communications equipment.

- I. This exhibit provides guidance in reporting problems with the following communications circuits.
 - A. Emergency telephones
 - ML-8000 telephones (examples: Notification Line, Operations Line).
 - Ring-down Lines (examples: Emergency Director Line, In-Plant Rad Con Line, EOF-BRP Line).
 - B. Group pagers
 - C. Commercial or Meridian telephones
 - D. LAN and computers
 - E. FAX machines and telecopiers
 - F. Seltronics E-1000 Recorder
 - Records conversations on certain emergency telephones.
 - Located in the Service Building telephone equipment room.
- II. For failures or problems with any equipment listed in Step I above, contact the TMI Help Desk at 8393.

NOTE

Assistance using this number will be available 24 hours/day.

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III. Additional reporting requirements for USNRC telephone circuits

- Contact the Help Desk at 8393 first.
- Contact the USNRC directly.

NOTE

Failures of the Emergency Notification System (ENS Line) or the Health Physics Line (HPN) are required to be reported to the NRC within one hour. Inform the Shift Manager and make the notification.

- Contact numbers
 - a. 1-301-816-5100
 - b. 1-301-951-0550

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Emergency Aviation Support

NOTE

Emergency aviation support shall only be requested at the direction of the
Emergency Director or Emergency Support Director.

1. Contact the Aviation Support Center shown below:

Horsham Valley Airways
451 Caredean Drive
Horsham, PA 19044

0800 to 1700, Mon. through Fri.

1-215-674-2100

After Hours - Hangar

1-215-674-2101

After Hours - Pager (after hearing the tone, dial your call back number)

1-888-382-9666

2. Identify yourself by name and position and inform the individual that you are calling for Three Mile Island Nuclear Station.
3. Describe the emergency aviation support needed.
4. Provide location and cargo/personnel to be transported and the destination.

NOTE

Landing zone information is provided on the following pages. Provide this
information to the aviation contractor as appropriate.

5. Obtain the following information from the representative of Horsham Valley Airways:

Name _____ Title _____

Estimated time of Arrival at Pick Up Location _____

Special Landing Zone requirements (if any) _____

6. Make the necessary arrangements to transport the cargo and/or personnel to the pick up location.
7. Make the necessary arrangements to pick up the cargo and/or personnel at the destination point.
8. Notify the aviation contractor when services are no longer required. Record the individual notified below.

Name _____ Title _____

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LANDING ZONE INFORMATION

HARRISBURG INTERNATIONAL AIRPORT

- Able to handle helicopter and fixed wing aircraft.

CAPITAL CITY AIRPORT

- Able to handle helicopter and fixed wing aircraft.

THREE MILE ISLAND NUCLEAR STATION

- Helicopter access only.
- FAA Site Number 20920.011H.
- Within Harrisburg International Airport's surface to 6000 feet control zone.
- Equipped with marker lights and wind sock.
- Gravel surface at approximately 300 feet elevation.
- Primary Obstructions - four cooling towers north of landing site are 672 feet elevation (372 feet above ground level).

PENNSYLVANIA STATE POLICE HELIPAD

- This site is located at the Troop H Headquarters Building on Elmerton Avenue in Susquehanna Township.
- Landing site is located approximately 2½ miles north of center city Harrisburg, immediately south of Interstate Route 81.
- Permission to use the site must be granted in advance. Use the following numbers to obtain permission.

1-717-712-5003	Normal working hours (0815 to 1615)
671-7500	Off hours (Troop H Headquarters)
- Provide estimated time of arrival to State Police to allow activation of landing lights.
- The State Police do not have a Unicom base station. Communication with State Police aircraft is possible if the contractor frequency is provided to the State Police.

FOR INFORMATION ONLY

AmerGen

TMI Emergency Plan
Implementing Procedure

Number

EPIP-TMI-.16

Title

Contaminated Injuries

Revision No.

8

Applicability/Scope

USAGE LEVEL

Effective Date

TMI Division

1

OCT 31 2000

This document is within QA plan scope
Safety Reviews Required

☒	Yes	☐	No
☒	Yes	☐	No

List of Effective Pages

<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>
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10	8						
11	8						
12	8						
13	8						
14	8						
15	8						
16	8						

	Signature	Date
Originator	J. L. Whitehead 	10/30/00
Procedure Owner	/s/ J. L. Whitehead	10/25/00
PRG	/s/ H. K. Olive for J. S. Schork	10/27/00
Approver	/s/ N. Brown for J. N. Grisewood	10/30/00

	TMI Emergency Plan Implementing Procedure	Number EPIP-TMI-.16
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1.0 PURPOSE

- 1.1 To define the conditions where personnel who become ill or injured and contaminated or potentially contaminated with radioactive material in excess of guidelines will be removed from site to Hershey Medical Center (HMC), Hershey, PA. and/or to the Harrisburg Hospital, Harrisburg, PA.
- 1.2 To further define the steps involved in notifying HMC or Harrisburg Hospital to allow time for preparation of the Radiation Emergency Area (REA) to receive the injured personnel.
- 1.3 To provide for several levels of treatment based on the severity of the injury(s) and the degree of contamination involved.

NOTE

All personnel having injuries or illness in a radiologically contaminated area or involving radioactive material shall be considered potentially contaminated until proven otherwise.

2.0 APPLICABILITY/SCOPE

All TMI Personnel

3.0 DEFINITIONS

None

4.0 RESPONSIBILITIES

- 4.1 The Shift Manager is responsible for the implementation of this procedure and specifically for completion of Exhibit 1.
- 4.2 The Group Radiological Controls Supervisor (GRCS) has responsibility for ensuring that the steps in Exhibit 2 are performed.
- 4.3 The Radiological Controls Technician assigned to accompany the patient to the hospital is responsible to ensure that the steps in Exhibit 3 are performed.

5.0 PROCEDURE

- _____ 5.1 Upon receiving notification of an injured or ill person, the Shift Manager shall notify:
 - The site Medical Response Team (see Exhibit 7 for instructions for paging the Medical Response Team),
 - The TMI Medical Department (phone 8327) (daytime, weekdays only),
 - Group Rad Controls Supervisor (GRCS) (phone 8083 or 5444)
- _____ 5.2 The Shift Manager shall determine from Rad Controls if the person is contaminated or potentially contaminated.

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- _____ 5.3 If the injured or ill person is either contaminated or potentially contaminated and must be transported to an off-site medical facility prior to decontamination:
- The Shift Manager shall ensure that the steps in Exhibit 1 are performed.
 - The GRCS shall ensure that the steps in Exhibit 2 are performed.
 - The Radiological Controls Technician assigned to accompany him/her shall ensure that the steps in Exhibit 3 are performed.
- _____ 5.4 Final Conditions
- A. The person(s) has been entered into the bioassay program for whole body counting per Reference 6.2 (6610-ADM-4025.01, Bioassay Procedure).
 - B. The patient has been transported to the hospital and has been admitted or released, and all radioactive waste/used protective clothing has been removed to TMI.
 - C. The Radiological Controls Technician(s) who accompanied the patient to the hospital has coordinated the Radiation Safety actions at the emergency room. The Hospital Health Physicist (if available) has relieved the Radiological Controls Technician(s).
 - D. The Radiation Emergency Area and ambulance(s) used for transportation of the patient(s) have been surveyed and cleared or decontaminated and cleared by the TMI Radiological Controls Technician(s).

6.0 REFERENCES

- 6.1 EPIP-TMI-19, Emergency Dosimetry/Security Badge Issuance
- 6.2 6610-ADM-4025.01, Bioassay Procedure
- 6.3 6610-ADM-4241.05, Dosimetry Investigative Report
- 6.4 6610-ADM-4330.02, Personnel Contamination Monitoring and Decontamination
- 6.5 AP 1044, Event Review and Reporting Requirements

7.0 EXHIBITS

- 7.1 Exhibit 1, Shift Manager Checklist for Contaminated Injuries
- 7.2 Exhibit 2, GRCS Checklist for Contaminated Injured Persons
- 7.3 Exhibit 3, Radiological Controls Technician Checklist for Contaminated Injured Persons
- 7.4 Exhibit 4, Messages to Dauphin County and the Hospital
- 7.5 Exhibit 5, Hershey Medical Center Emergency Dept. Floor Plan

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- 7.6 Exhibit 6, Harrisburg Hospital Emergency Dept. Floor Plan
- 7.7 Exhibit 7, Instructions for Paging the Medical Response Team

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Shift Manager Checklist for Contaminated Injuries

NOTE

The following steps may be performed concurrently. Conditional steps (i.e., steps containing an "if" statement) should be marked "N/A" and skipped if the condition is not met.

Check

- ☐ A. The Shift Manager should consult with Radiological Controls to determine if radiological conditions warrant a specific route for access to the patient and for patient transfer.
 - If so, provide this information to Medical Response Team.
- ☐ B. Obtain Medical Response Team's assessment of the medical needs of the patient.
- ☐ C. Obtain Radiological Controls assessment of the radiological condition of the patient.
- ☐ D. If off-site medical assistance is required:
 - The Shift Manager (or his designee) shall fill out Message #1 from Exhibit 4 and use it to notify Dauphin Co. Emergency Operations Center (EOC).
 - Call Security Central Alarm Station at Extension 8039, 8040 to inform them of off-site medical assistance arrival so that they can direct off-site medical personnel to the patient.
 - The Shift Manager shall initiate the requirements of Reference 6.1 (EPIP-TMI-.19, "Emergency Dosimetry/Security Badge Issuance") if emergency medical personnel are responding from off-site.
- ☐ E. If the site ambulance is to be used for patient transport, call the Security Central Alarm Station at Extension 8039, 8040 and request that Security expedite site ambulance access to the Protected Area or injury scene, as appropriate.
- ☐ F. With concurrence of the Medical Response Team and Radiological Controls personnel, have the patient transported outside of the radiologically controlled area for further treatment and surveys if the injury/illness and contamination levels will allow movement.
- ☐ G. To prevent the possible spread of contamination, the Shift Manager should consider having the contaminated person's evacuation route announced on the page system, as appropriate.

NOTE

By agreements with the Hershey Medical Center (HMC) Hershey, PA and Harrisburg Hospital, Harrisburg, PA., all contaminated persons with injuries too severe to be treated on-site shall be sent to HMC and/or Harrisburg Hospital for decontamination and treatment.

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- _____ H. If the decision is made to transport the patient to an offsite medical facility, the Shift Manager or his designee shall call the appropriate hospital (determine hospital from the Medical Response Team or Ambulance Crew), and using Message #2 on Exhibit 4, alert the hospital of the arrival of the injured patient.

- _____ I. If contact with HMC or Harrisburg Hospital cannot be made by telephone, relay the message through the Dauphin County EOC by dialing 9-911 or by using the Notification Line in the Control Room.

- _____ J. Report this event to the NRC via the ENS in accordance with 10 CFR 50.72(b)(2)(v). Notification shall be made as soon as practical and, in all cases, within four (4) hours.

- _____ K. Declare an Event of Potential Public Interest in accordance with Reference 6.5, (AP 1044, Event Review and Reporting Requirements).

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GRCS Checklist for Contaminated Injured Persons

NOTE

The following actions should be performed or considered while handling a contaminated injured person. These actions must not interfere with proper medical treatment of the person.

NOTE

The steps in this exhibit may be performed concurrently. Conditional steps (i.e., steps containing an "if" statement) should be marked "N/A" and skipped if the condition is not met.

Check

- _____ A. If the injury/illness allows, direct Radiological Controls personnel to assess the degree of radiation exposure and/or radioactive contamination prior to removal of the individual from site.
- _____ B. If the patient is contaminated, or potentially contaminated, assign a Radiological Controls Technician to accompany the patient to the hospital to provide Radiological Controls support.
 - _____ • If transport is provided by helicopter (i.e., Life Lion) Radiological Controls Technician should travel by vehicle to the hospital.

NOTE

By agreements with the Hershey Medical Center (HMC) Hershey, PA and Harrisburg Hospital, all contaminated persons with injuries too severe to be treated on-site shall be sent to HMC and/or Harrisburg Hospital for decontamination and treatment.

- _____ C. Ensure that the technician who accompanies the patient to the hospital has a radiation survey meter, a frisker and the ambulance kit (located in 305' Control Tower Stairwell).
- _____ D. All ambulance personnel should retain their dosimetry until retrieved at the hospital by the Rad Con Tech.
- _____ E. If available, a second Rad Con Tech should be sent to follow the ambulance to the hospital to assist with monitoring and decontamination.
 - _____ • Send appropriate additional survey/frisking equipment and supplies with the second Rad Con Tech.
- _____ F. Ensure that the Control Room is informed of any status updates provided to you by the Rad Con Tech.

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**Radiological Controls Technician Checklist for
Contaminated Injured Persons**

NOTE

The following actions should be performed or considered while handling a contaminated injured person. These actions must not interfere with proper medical treatment of the person.

NOTE

The steps in this exhibit may be performed concurrently. Conditional steps (i.e., steps containing an "if" statement) should be marked "N/A" and skipped if the condition is not met.

Check

- ☐ A. If the patient's condition permits, assess radiation exposure/contamination levels prior to removal of the patient from TMI.
- ☐ B. If the patient is contaminated or potentially contaminated, accompany the patient to the hospital to provide radiological controls support.
- ☐ • If the patient is transported by helicopter (i.e., Life Lion), travel by vehicle to the hospital.

NOTE

By agreements with the Hershey Medical Center (HMC) Hershey, PA and Harrisburg Hospital, all contaminated persons with injuries too severe to be treated on-site shall be sent to HMC and/or Harrisburg Hospital for decontamination and treatment.

- ☐ C. Prevent the spread of contamination from the patient to other persons/areas by:
 - Covering the stretcher with plastic
 - Wrapping the patient in a blanket
 - Providing P.C.'s to stretcher bearers
 - keeping unnecessary personnel out of the transfer path, etc.

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- _____ D. If the ambulance crew has not been issued TLDs, notify the GRCS and request TLDs for them.
 - _____ • Allow the ambulance crew immediate access to the patient.
 - _____ • Issue TLDs if/when conditions permit.
 - _____ • If TLDs were not issued, document this fact.
- _____ E. Limit contamination of the ambulance and crew by appropriate measures such as:
 - _____ • Providing P.C.'s to the crew and/or
 - _____ • Laying plastic on the floor of the ambulance.
- _____ F. Take a radiation survey meter, a frisker and the ambulance kit (located in the 305' Control Tower Stairwell) with you to the hospital.
- _____ G. Ensure that ambulance personnel do not turn in their dosimetry as they leave the site. They should retain it until they turn the patient over to hospital personnel.
- _____ H. If possible, verify contamination and radiation levels on the patient enroute to the hospital.
- _____ I. Upon arrival at the hospital and subsequently, provide periodic updates to the Control Room.
- _____ J. Provide radiological controls support to the Emergency Department staff in the following areas:
 - _____ • Contamination Control
 - _____ • Exposure Control
 - _____ • Patient Decontamination
 - _____ • Access Control
 - _____ • Personnel Monitoring
 - _____ • Dosimetry
- _____ K. Survey the path from the ambulance to the treatment room. Refer to Exhibits 5 or 6 for the appropriate hospital floor plan.
- _____ L. Request that the ambulance and crew are not released until:
 - _____ • The ambulance and crew have been verified to be free of contamination and
 - _____ • TLD's (if issued) have been collected.

NOTE

With permission from the Shift Manager, the ambulance and crew can return to TMI for survey and decontamination as needed.

- _____ M. Obtain necessary information as appropriate for any Dosimetry Investigative Reports per Reference 6.3 (6610-ADM-4241.05, Dosimetry Investigative Report).

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N. Remain at the hospital until:

- _____ • Rad Con responsibilities are turned over to hospital health physics (HMC only) or
- _____ • Patient and hospital emergency room area are decontaminated or
- _____ • Patient is released or
- _____ • You are properly relieved by another technician.

NOTE

Harrisburg Hospital does not have a health physicist; TMI Rad Controls personnel must continue to provide radiological controls assistance, as needed.

_____ O. Before leaving the hospital:

- _____ • Ensure all contaminated trash and used P.C.'s are collected and
- _____ • A thorough survey of the hospital emergency room and adjacent areas, as applicable, has been completed and documented.

_____ P. Any material that is above release limits should be securely sealed in plastic, marked "Radioactive", and returned to the site.

- _____ • Prior to transporting material marked "Radioactive", consult with a representative of the TMI Waste Disposal Group, if possible.

_____ Q. Ensure the Control Room is informed of the status.

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Messages to Dauphin County and the Hospital

Message #1

To: Dauphin County Emergency Operations Center
Dial 9-911

"This is _____ at TMI Nuclear Station. We request EMS be
Name/Title

dispatched to Three Mile Island. We have (potentially) contaminated personnel with the following
injuries/illness:

(Brief description of injuries/illness): _____

Please advise us whether this individual should go to Hershey Medical Center or to Harrisburg
Hospital."

Message #2

To: (For Hershey Medical Center) Charge Nurse, Emergency Room, Dial 9-531-8333
(For Harrisburg Hospital) Senior Attending Physician on Duty, Dial 9-782-3131

"This is _____ at TMI Nuclear Station.
Name/Title

TMI is transferring a (potentially) contaminated patient with injuries to Hershey Medical
Center/Harrisburg Hospital

(circle one). The Radiation Emergency Area should be prepared to receive the patient."

(Cont'd next page)

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Please take down the following information:

Patient's Name(s): _____

Nature of injury/illness(s): _____

Contamination Levels (if known): _____

Estimated Time of Arrival: _____

Method of Transport: _____

Additional Misc. Info. _____

This section for Hershey Medical Center ONLY

Please provide me with the following information either now or when you call back to verify this message:

Will HMC Health Physics Personnel be available in the Emergency Room?
Yes/No (inform TMI Rad Con of Response)

(Cont'd next page)

	TMI Emergency Plan Implementing Procedure	Number EPIP-TMI-.16
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EXHIBIT 4

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Name and title of person receiving this call

_____/_____
Name/Title Time

Please acknowledge and verify this message by calling back at 948-8069 (8070 / 8071) and ask for
(circle appropriate number)

the Shift Manager.

(If contact with the hospital cannot be made by telephone, relay the message through the Dauphin County EOC by dialing 9-911 or by using the Notification Line in the Control Room).

EXHIBIT 5

Hershey Med Center Emergency Dept. Floor Plan

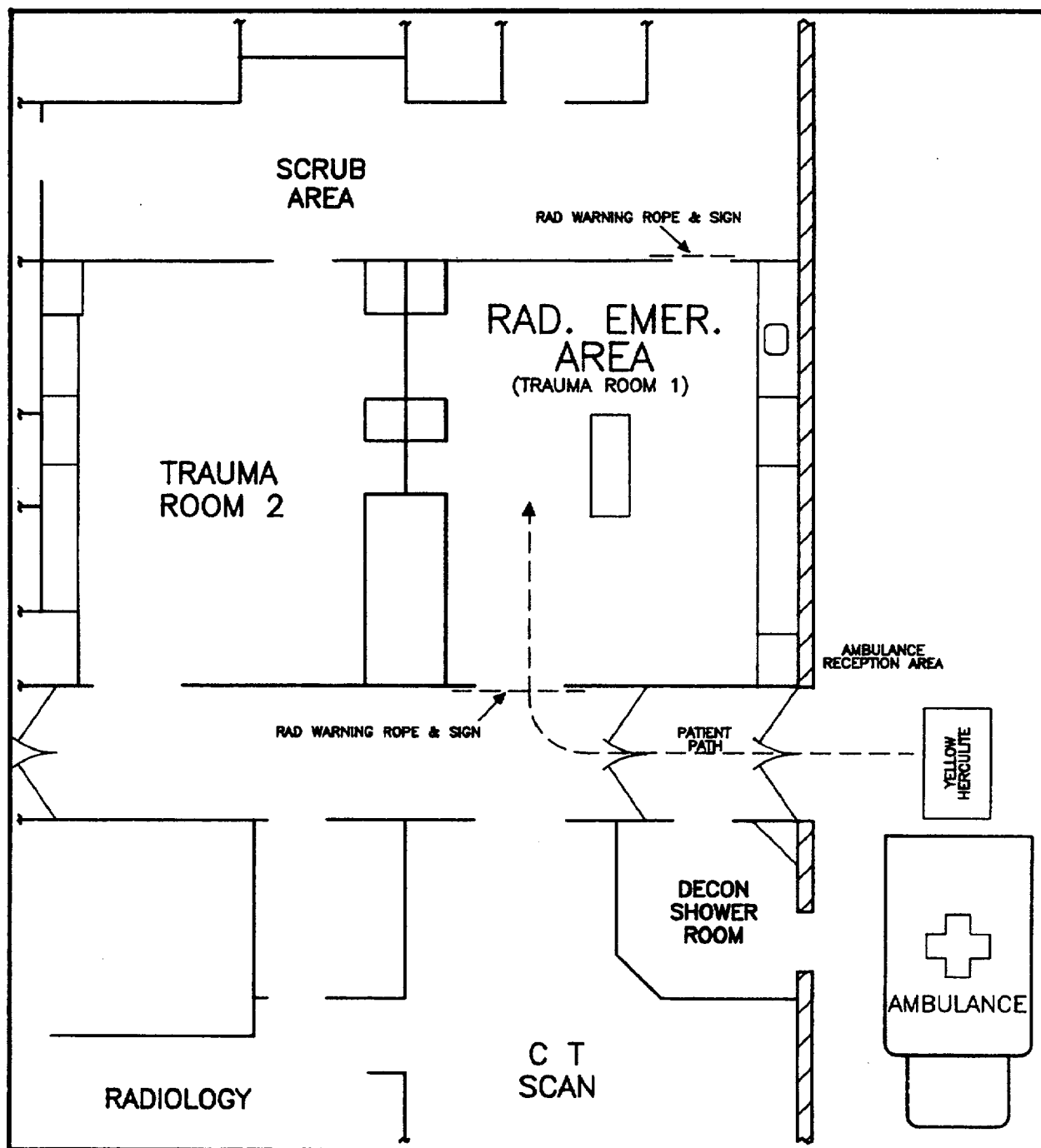
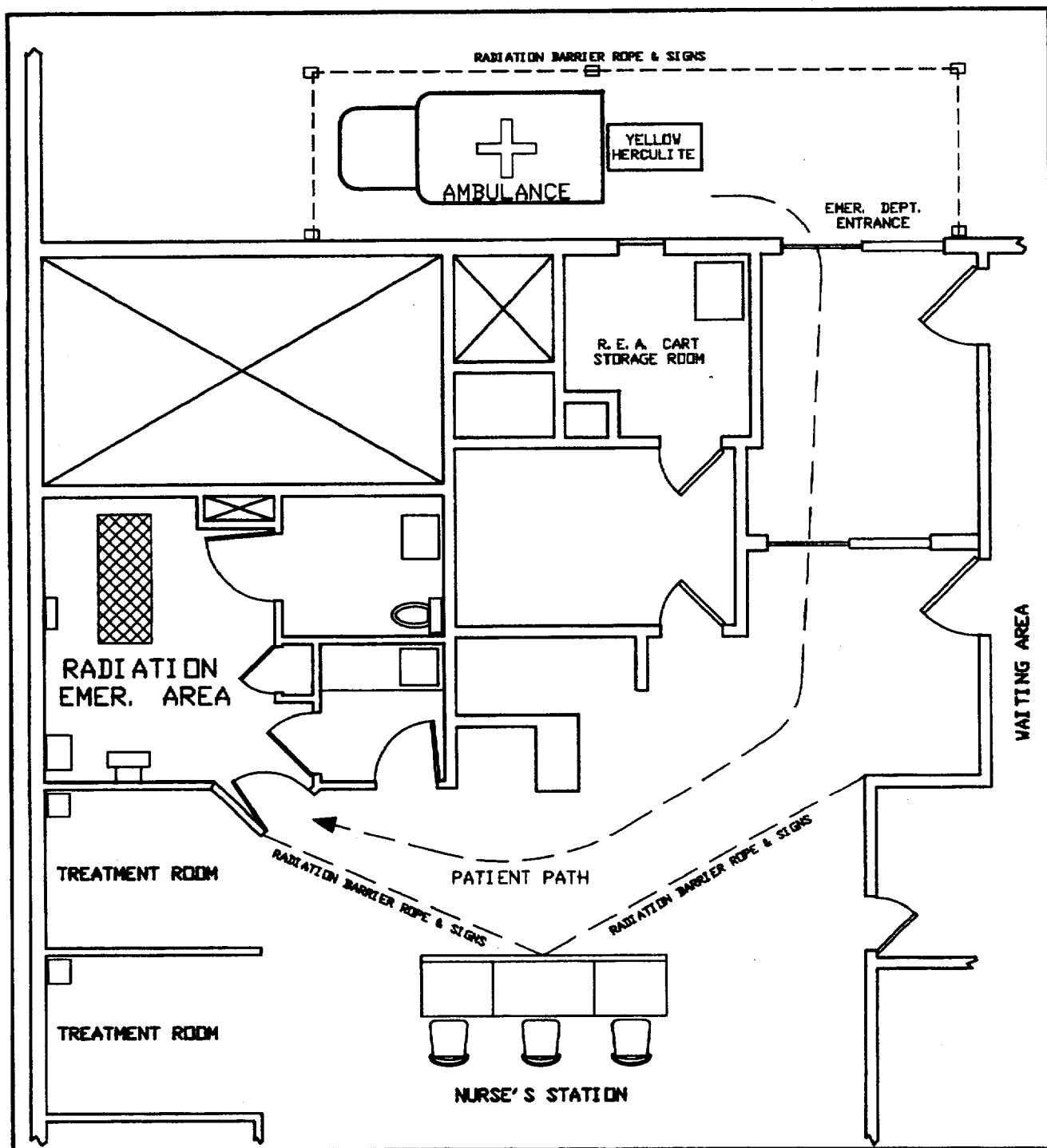


EXHIBIT 6

Harrisburg Hospital Emergency Dept. Floor Plan



	TMI Emergency Plan Implementing Procedure	Number EPIP-TMI-.16
Title Contaminated Injuries	Revision No. 8	

EXHIBIT 7

Page 1 of 1

Instructions for Paging the Medical Response Team

1. Dial the Medical Response Team group pager number: 9-913-4287.
2. When prompted for the password, dial 9110.
3. Dial "911*" plus the location code from the table below. (For drills, dial "912*" plus the location code.)

Patient Location	Location Code
U-1 Service Building	1
U-1 Turbine Building	2
U-1 Aux. Building	3
U-1 Control Building	4
OSF	5
NOB	6
Warehouse 1	7
Screen House	8
SOB	9
Unit 2 (all areas)	10
Training Center/Simulator Building	11
OESB	12
TEST	13
OOB	14
North Gate	15