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EPIP Instruction Memo

Date 11-21-03 Verif: S.2. Box No. 20030345 T1  T2

Please update your file with the attached listed below, destroy the superseded/cancelled document(s). Alsots please sign the acknowledgment at the bottom of this memo and return to Debbie Marshbank, Rm. 135, SOB TMI.

Document Number	Rev	TC NUMBER	Page Replac.	Entire	TC/PROC Cld	Level
<u>EP-EP-TMS.19</u>	<u>11</u>			<input checked="" type="checkbox"/>		<u>2</u> V??

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# FOR INFORMATION ONLY

# AmerGen

TMI Emergency Plan  
Implementing Document

Number

**EPIP-TMI-.19**

Title

Revision No.

**Emergency Dosimetry/Security Badge Issuance**

**11**

Applicability/Scope

**USAGE LEVEL**

Effective Date

TMI Division

**2**

**11/21/03**

This document is within QA plan scope  
50.59 Applicable

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

### List of Effective Pages

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	TMI Emergency Plan Implementing Document	Number <b>EPIP-TMI-.19</b>
Title <b>Emergency Dosimetry/Security Badge Issuance</b>	Revision No. <b>11</b>	

1.0 **PURPOSE**

To establish the method of issuance of Thermoluminescent Dosimeters (TLD) and Escort Required Security Badges (ER Badges) to emergency personnel requiring access to TMI.

2.0 **APPLICABILITY/SCOPE**

All TMI personnel

3.0 **DEFINITIONS**

None

4.0 **RESPONSIBILITIES**

4.1 For Fire/Ambulance/Police emergencies, the Site Protection Shift Supervisor/Senior Site Protection Officer (SPSS/SSPO) shall be responsible for implementing the actions outlined in Section 5.2.

5.0 **PROCEDURE**

5.1 Implementation Criteria

5.1.1 Upon requesting response by Fire/Ambulance/Police to TMI, or

5.1.2 As directed by the Shift Manager/Shift Emergency Director or Station Emergency Director.

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5.2 Emergency Actions

**NOTE**

Conditional steps (i.e., steps containing an "if" statement) should be considered "N/A" and skipped if the condition is not met.

- A. Fire/Ambulance/Police access to TMI
1. After notification by the Shift Manager/Shift Emergency Director, Station Emergency Director, or designee, that Fire/Ambulance/Police have been dispatched to the site, the SPSS/SSPO shall:
    - a. If an SPO is available, dispatch an SPO to the appropriate gate (i.e., North or South gate) to ensure immediate access and to escort the response personnel to the appropriate on-site location.
    - b. If an SPO is not available, request the Shift Manager/Shift Emergency Director or Station Emergency Director dispatch any available on-site employees to perform Step "a" above.
  2. TLD's and ER Badges should be issued to all emergency crews responding to TMI. Badges and TLD's will be available at the Security Checkpoint or Unit 1 Processing Center and may be relocated to another appropriate entry point at the discretion of the SPSS/SSPO or designee.

**NOTE**

For Security Events - after the Security Command Center is established Badges and TLD's will be issued, as needed, from the Command Center. Exhibits 1 and 2 will be filled out at time of issuance if time permits.

- a. Open emergency TLD box and remove the necessary number of ER badges and TLD's.

**NOTE**

TLD's and ER Badges are stored at the Security Checkpoint and the Unit 1 Processing Center.

**CAUTION**

Do not issue the Control/Background TLD's.

- b. If emergency crew must enter through an alternate location, an SPO shall meet the emergency crew at that location to issue ER badges and TLD's.

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- c. Request the following information from the Fire/Ambulance/Police personnel:
    - Number of personnel onboard?
    - Are all personnel onboard members of the responding organization? (Non-members must remain off-site)
    - Is anyone under 18 years of age onboard? (Must remain off-site)
  - d. State the following to the responding personnel - "If anyone onboard is pregnant or believes they may be pregnant - we advise that they remain off-site."
  - e. Issue badges and TLD's to emergency crew members as they pass through the issue point.
3. If additional TLD's are needed, contact the Radiation Controls Coordinator at 8525 (if the TSC is activated) or Rad Controls at 8083.
  4. Upon completion of the emergency (including patient transport for ambulance personnel), retrieve the ER badges and TLD's from the emergency crew.
    - a. If no patient transport is involved, retrieve the ER badges and TLD's from the emergency crew at the entry point.
    - b. If patient transport is involved, the ambulance crew should take the patient to the hospital first and then return to the site to turn in their TLDs and badges.
    - c. Obtain all necessary information from the crew members by filling out Exhibit 1 and having the emergency personnel fill out a copy of Exhibit 2. Exhibits are stored with the badges and TLD's.
    - d. Notify Dosimetry personnel at extension 8473/8474 or the Group Radiological Controls Supervisor at extension 5444/8083 for TLD processing.
    - e. Return completed Exhibit 1 forms to SPSS/SSPO, who should provide copies of the completed forms to the Radiation Controls Coordinator at 8525 (if the TSC is activated) or Rad Controls at 8083.
    - f. Return completed Exhibit 2 forms and any TLD's utilized, and subsequently returned by, emergency crew members to the Radiation Controls Coordinator at 8525 (if the TSC is activated) or Rad Controls at 8083.

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**NOTE**  
The TMI Rad Con Technician at the hospital can retrieve ER badges, TLD's and information from ambulance crews.

5.3 Final Conditions

- A. Fire/Ambulance/Police personnel (as appropriate to the situation) have entered TMI, performed the required emergency actions and exited site, leaving ER badges and TLD's with SPO at entry point or R.C. Tech at hospital as appropriate.

6.0 **REFERENCES**

- 6.1 EP-AA-1009, Exelon Nuclear Radiological Emergency Plan for Three Mile Island (TMI) Station
- 6.2 RP-AA-210, Dosimetry Issue, Usage, and Control

7.0 **EXHIBITS**

- Exhibit 1 - Emergency Dosimetry/Security Badge Issuance Form
- Exhibit 2 – Current Year Exposure Statement

**EXHIBIT 1**  
**EMERGENCY TLD/ER SECURITY BADGE ISSUANCE FORM**

Check One:  Security Checkpoint

Unit 1 Processing Center

Other \_\_\_\_\_

\_\_\_\_\_ Date

Organization	Security ER Badge Number	TLD Number	Name	Social Security Number

**EXHIBIT 2  
CURRENT YEAR EXPOSURE STATEMENT**

Please print – Using Black Ink ONLY

NAME: \_\_\_\_\_ SLOT NO. N/A EMPLOYER: \_\_\_\_\_  
LAST, FIRST, MIDDLE INIT.

SSN: \_\_\_\_\_ BIRTHDATE: \_\_\_\_\_ DEPT/CRAFT: N/A – EMERG. TLD

HOME ADDRESS: \_\_\_\_\_ WORK PHONE: \_\_\_\_\_

**CHECK THE APPROPRIATE EXPOSURE HISTORY STATEMENT(S)**

\_\_\_\_\_ I have never been previously monitored for occupation radiation exposure.

\_\_\_\_\_ I have been monitored for exposure in previous years, my lifetime estimate is: \_\_\_\_\_ mrem.

\_\_\_\_\_ I have been monitored for radiation exposure this year, the nature and amount is summarized below:

Locations Monitored (Current Year)	Period of Exposure (From Date – To Date)	Exposure (mrem) TEDE	Record or Estimate
	<b>TOTAL</b>		

The information provided above is accurate and true to the best of my knowledge.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*\*\*\*\*  
**THIS SECTION FOR DOSIMETRY USE ONLY:**

DOSE LIMIT ASSIGNED: \_\_\_\_\_ mrem

TLD Number: \_\_\_\_\_

COMMENTS

ID Number: \_\_\_\_\_

Date Issued: \_\_\_\_\_

ENTERED IN PIMS:

VERIFIED IN PIMS: