

1004.4  
Revision 10  
10/21/83


IMPORTANT TO SAFETY  
NON-ENVIRONMENTAL IMPACT RELATED

THREE MILE ISLAND NUCLEAR STATION  
UNIT NO. 1 EMERGENCY PLANNING IMPLEMENTING PROCEDURE 1004.4  
GENERAL EMERGENCY

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FOR  
INFORMATION  
ONLY

\_\_\_\_\_  
  
Signature

\_\_\_\_\_  
10/21/83  
Date

\_\_\_\_\_  
- NA -  
Signature

\_\_\_\_\_  
Date

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THREE MILE ISLAND NUCLEAR STATION  
UNIT NO. 1 EMERGENCY PLANNING IMPLEMENTING PROCEDURE 1004.4  
GENERAL EMERGENCY

1.0 PURPOSE

The purpose of this procedure is to define the conditions that shall be regarded as a General Emergency for Three Mile Island Nuclear Station (Unit 1) and to:

- a. Ensure necessary actions are taken to protect the health and safety of the public.
- b. Ensure necessary actions are taken to notify GPU-Nuclear management and offsite emergency response organizations.
- c. Mobilize the emergency response organizations to initiate appropriate emergency actions.

The Plant Operations Group will take the actions necessary to implement this procedure upon identification of one or more of the Emergency Action Levels listed in Section 3.0 of this procedure. The Emergency Director shall then assume responsibility for the continuing implementation of this procedure.

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: NOTE: The Emergency Director is vested with certain :  
 : authority and responsibility that may not be :  
 : delegated to a subordinate. Included are: :  
 : a. Classification of an emergency event. :  
 : b. Approving and directing official notifications to :  
 : offsite agencies. :  
 : c. Approving and directing information releases to :  
 : the media. :  
 : d. Approving and, if possible, personally conveying :  
 : appropriate Protective Action Recommendations :  
 : to the Bureau of Radiation Protection. :  
 : e. Directing onsite evacuation at the Alert or :  
 : lower level emergency classification based on :  
 : potential hazard to non-essential personnel. :  
 : f. Authorizing emergency workers to exceed 10 CFR 20 :  
 : Radiation Exposure Limits. :

- (
- : g. Approving and directing deviation from :  
: established operating procedures, emergency :  
: operating procedures, normal equipment operating :  
: limits or technical specifications during :  
: attempts to control the emergency. (Note: It is :  
: imperative that the Emergency Director consult :  
: to the fullest extent practicable with the :  
: Parsippany Technical Functions Center in arriv- :  
: ing at a decision to deviate from prescribed :  
: procedures.) :
- 

When the designated Emergency Support Director (ESD) arrives at the site and declares himself to be ready to assume that role, he will assume overall responsibility for management of the response to the accident and recovery operations. With activation of the ESD function, the ESD specifically will assume decision authority for Items C and D. However, decision authority for Items A, B, E, F, and G will be retained by the Emergency Director (ED). Decisions on all of the listed actions normally will result from close and continuous consultation between the ESD and the ED and it is the responsibility of the ED to ensure that ESD is provided with the necessary information to arrive at timely and appropriate decisions. In the special case of event classification, the ESD shall retain the prerogative to overrule the ED if, in the judgment of the ESD, uncertainty or other considerations exist to the extent warranting classification of a higher level of emergency than that classified by the ED.

INITIALS

2.0 ATTACHMENTS

- 2.1 Attachment I, General Emergency Notifications
- 2.2 Attachment II, Emergency Status Report

2.3 Attachment III, Checklist for Notification of Significant Events  
Made In Accordance with 10 CFR 50.72.

3.0 EMERGENCY ACTION LEVELS

3.1 Radiological Control and Containment Integrity

<u>Initiating Condition</u>	<u>Indication</u>
3.1.1 Actual or projected dose rates at the Exclusion Area boundary that if released for one hour would result in doses in excess of the lower limit EPA Protective Action Guidelines using actual containment pressures.	As determined by: a. A projected dose calculation of $>1$ Rem/hr (gamma) whole body at the Exclusion area boundary using actual meteorology and Reactor Building leakrate based on actual containment pressure (includes a Waste Gas Tank Rupture containing the high limit content of 8800 Ci). b. A projected child thyroid dose calculation of $>5$ Rem/hr at the Exclusion area boundary using actual meteorology and Reactor Building leakrate based on actual containment pressure. c. Offsite radiological monitoring reports of $>1$ Rem/hr (gamma) or airborne dose equivalent I131 $>5$ Rem/hr ( $>3.2 \times 10^{-6}$ $\mu$ Ci/cc) at any offsite location.
3.1.2 Significant levels of radiation in the reactor containment building and potential loss of containment integrity.	As indicated by either: a. Dose rate on RM-G8 $>2.8 \times 10^4$ mR/hr and a Reactor Building pressure $>30$ psig.* b. Dose rate on RM-G8 $>2.8 \times 10^4$ mR/hr and a Reactor Building hydrogen concentration $>3$ percent by volume.
3.2 Security	
3.2.1 Loss of physical security control of the plant (Vital Area).	Shift Supervisor's judgment, based on advice of the Duty Security Sergeant.



### 3.3 General Plant Status

3.3.1 Other plant conditions are in progress or have occurred which may involve actual or imminent substantial core degradation or melting, with potential for loss of containment integrity, or may make release of significant amounts of radioactivity in a short time possible.

Whenever plant conditions warrant it, as judged by the Shift Supervisor/Emergency Director.

NOTE: In exercising the judgement as to the need for declaring a General Emergency, any uncertainty concerning the potential for large releases of radioactive material, the length of time the uncertainty exists, and the prospects for the early resolution of ambiguities should be considered, i.e., significant uncertainty as to the potential for large releases of radioactive material extending beyond a reasonable time period is a sufficient basis for declaring a General Emergency.

- \* These indications may be determined via instrumentation that will be installed or expanded as required by NUREG 0578 prior to restart.

### 4.0 EMERGENCY ACTIONS

#### INITIALS

\_\_\_\_ 4.1 Upon recognition that any of the above action levels have been reached or exceeded, the Shift Supervisor/Duty Section Superintendent shall assume the duties of the Emergency Director. (The event should be assessed and declared within 10 minutes of the occurrence.)

\_\_\_\_ 4.2 Announce, or have announced, the following message over the public address system (merged):

-----  
: NOTE: Turn on Whelen siren switch. :  
-----

ATTENTION ALL PERSONNEL; ATTENTION ALL PERSONNEL: A GENERAL EMERGENCY HAS BEEN DECLARED IN UNIT 1. ALL NON-ESSENTIAL PERSONNEL IN UNITS 1 AND 2 PROCEED TO (500 KV SUBSTATION/ MIDDLETOWN SUBSTATION) (Depending on plume pathway). UPON ARRIVAL, ALL SUPERVISORS WILL ASSEMBLE and LOG THEIR PERSONNEL. PERSONNEL IN H.P. CONTROLLED AREAS REPORT TO ACCESS CONTROL POINTS. ALL MEMBERS OF THE EMERGENCY ORGANIZATION REPORT TO YOUR STATIONS. THERE WILL BE NO SMOKING, DRINKING, OR EATING UNTIL FURTHER NOTICE.

(Repeat message slowly)

- 4.3 Announce to Control Room Personnel that \_\_\_\_\_ (name) has assumed the duties of Emergency Director. The Emergency Director shall periodically (approx. every hour) consult with the lead personnel of each area involved in the emergency, and discuss:
- Status of each area.
  - Immediate action to be taken by each lead person.
  - Problem areas.
  - Recommendations on course of action.

- 4.4 Direct the sounding of the Radiation Emergency Alarm.

: NOTE: Turn off Whelen siren switch after alarm has been :  
: sounded. :  
-----

- 4.5 Assign a Communicator to make notifications to persons and/or agencies per Attachment 1, Section 1.

- \_\_\_\_ 4.6 Assign a Communications Assistant and direct him to perform all applicable steps of Procedure 1004.8.
- \_\_\_\_ 4.7 Contact the Duty Section Superintendent, and discuss plant status and inform him that the on-site and off-site duty section personnel are being called.
- \_\_\_\_ 4.8 Depending on the emergency action level which was reached or exceeded, ensure that the appropriate Emergency Operating Procedures have been implemented.
- \_\_\_\_ 4.9 If local services (fire, ambulance, police) are required, direct the Communicator to notify Dauphin County Emergency Operations Center and request appropriate assistance. Notify security (N/S Gate) to begin preparations to expedite entry of responding emergency personnel (Police/Fire/Ambulance). Security should be advised to implement Procedure 1004.19 (Emergency Security/Dosimetry Badge Issuance).

-----  
: NOTE: If the Emergency Response personnel are required to :  
: respond outside the protected area affected by a :  
: radioactive plume, the Emergency Director or his :  
: designee will direct the issuance of TLD's from the :  
: North or South gate. :  
-----

- \_\_\_\_ 4.10 If the emergency involves Radiological problems, direct the Radiological Assessment Coordinator to implement Procedure 1004.9 (Radiological Controls during Emergencies).
- \_\_\_\_ 4.11 Direct the Radiological Assessment Coordinator to:
- a. Dispatch off-site and/or on-site radiation monitoring teams in accordance with Procedure 1004.10 (Onsite and Offsite Radiation Monitoring).

b. Implement Procedure 1004.7 (Onsite/Offsite Dose Projections).

- \_\_\_\_ 4.12 If personnel/vehicles are, or are suspected to be, contaminated, have the RAC initiate Procedure 1004.20 (Personnel/Vehicle Monitoring and Decontamination).
- \_\_\_\_ 4.13 Activate the Technical Support Center (Procedure 1004.28) and the Operations Support Center (Procedure 1004.29).
- \_\_\_\_ 4.14 If additional resources or notifications are required, refer to (Additional Assistance and Notification) Procedure 1004.6.
- \_\_\_\_ 4.15 Assign an individual to complete Attachment II, Section I and give it to the Radiological Assessment Coordinator to transmit to the Bureau of Radiation Protection.
- \_\_\_\_ 4.16 Direct the Radiological Assessment Coordinator to complete Attachment II, Section II to transmit to the Bureau of Radiation Protection.
- \_\_\_\_ 4.17 Stop all liquid and gaseous discharges that are in progress until an assessment of their impact is performed and specific approval is given to continue the release by the Emergency Director.
- \_\_\_\_ 4.18 Verify that communications and documentation are maintained in accordance with Procedure 1004.5 (Communications and Record-keeping).
- \_\_\_\_ 4.19 If applicable, direct the Operations Coordinator to dispatch Emergency Repair/Operations Personnel to investigate the identified problem areas(s) in an accordance with Procedure 1004.21 (Emergency Repair/Operations).



- \_\_\_\_ 4.20 After 30 minutes from initial contact with PEMA, confirm that BRP verification has been made. If no verification, instruct the Communicator to proceed to Attachment I, Section 1-2.e.
- \_\_\_\_ 4.21 Instruct the Radiological Assessment Coordinator to provide ongoing dose estimates for actual releases to the Bureau of Radiation Protection.
- \_\_\_\_ 4.22 If a report of initial accountability identifying names of missing individuals has not been received within 30 minutes from the time it was ordered, contact the Shift Sergeant/ Security Coordinator at 8038, 8039, 8040 for a status report.
- \_\_\_\_ 4.23 If personnel are still unaccounted for 1 hour from the onset of accountability, direct the Operations Support Center Coordinator to initiate Emergency Plan Implementing Procedure (EPIP) 1004.18, Search and Rescue.
- \_\_\_\_ 4.24 If personnel are injured or ill and are in a radiologically controlled area or are potentially contaminated, or if person(s) have received radiation exposure greater than 25 REM; direct the RAC to implement Procedure 1004.16 (Contaminated Injuries/Radiation Overexposure).
- \_\_\_\_ 4.25 If person(s) have been exposed to I<sup>131</sup> sufficient to cause a thyroid dose of greater than or equal to 25 RAD, direct the RAC to implement Procedure 1004.35 (Thyroid Blocking).
- \_\_\_\_ 4.26 Evaluate dose projections and estimates and, if necessary, recommend protective actions to the BRP, consistent with the guidelines in Attachment I, Section IV.

4.27 Based upon assessment of plant conditions, the Emergency Director shall either close out the General Emergency and enter the Recovery Phase or downgrade to a lower class as follows:

- a. If Recovery Phase criteria have been met (see Procedure 1004.24) and long term recovery operations are not necessary, close out the General Emergency by directing the Communicator to perform the notifications in Attachment I, Section III.
- b. If Recovery Phase criteria have not been met, but General Emergency Action levels are no longer being exceeded, de-escalate to a lower emergency class by notifying BRP on the Radiological Line and perform the remaining notifications in accordance with the applicable emergency procedure as specified in Step 5.1.

4.27 If necessary, due to potential contamination of normally non-contaminated sumps and/or tanks, or the need to closely monitor liquid releases, initiate Procedure 1004.14 (Monitoring/Controlling Liquid Discharges).

## 5.0 FINAL CONDITIONS

5.1 A lower class of emergency has been declared by the Emergency Director and one of the following procedures is being implemented:

- a. Site Emergency (1004.3)
- b. Alert (1004.2)
- c. Unusual Event (1004.1)

- \_\_\_\_ 5.2 The General Emergency has been closed out with the concurrence of the Emergency Support Director, since no recovery operations are required.
- \_\_\_\_ 5.3 The General Emergency has been shifted to a recovery mode by implementing the Procedure 1004.24 (Recovery Operations).
- \_\_\_\_ 5.4 At the close of the Emergency, ensure that all logs, checklists, procedures and other documentation generated in the Control Room associated with the event are gathered and sent to the Emergency Preparedness Department for review and filing.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Person Responsible for  
Implementing Procedure

ATTACHMENT I SECTION I

INITIAL CONTACT

The Communicator shall notify the following agencies and personnel, and update the Attachment I, Section II checklist after each notification.

INITIALS

1. Dauphin County Emergency Operation Center

-----  
: NOTE: If this is a reclassification, notify BRP on the :  
: radiological line or dial 9-787-3720 and proceed to :  
: Item 3, Unaffected Control Room. :  
-----

- a. Telephone. 9-911 or 9-236-7976  
(1) If no contact, activate the Dauphin County Radio System.

b. MESSAGE:

This is \_\_\_\_\_ at the Three Mile Island Nuclear  
(name/title)  
Station Unit 1 calling. We have declared a General Emergency  
at \_\_\_\_\_ hours. (Based upon Emergency Director judgement,  
(time)  
use one of the following statements):

1. We have not had a radioactive release, however we have  
the potential for a significant radioactive release  
OR



INITIALS

2. We have had a radioactive release and offsite radiation levels are expected to be > 1 REM per hour (gamma) or a child thyroid dose commitment of > 5 REM/hour. We will keep the Bureau of Radiological Protection informed. (Give a short non-technical description of the emergency, the extent of the radioactive release, and potentially affected populations and areas:)
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

2. Pennsylvania Emergency Management Agency (PEMA)

: NOTE: If this is a reclassification notification, go to :  
: Item 3, Unaffected Control Room. :  
: \_\_\_\_\_ :

: NOTE: Where off-site protective actions are to be recom- :  
: mended, the Emergency Director should refer to the :  
: contents of Attachment I, Section IV. :  
: \_\_\_\_\_ :

- a. Telephone: PEMA dedicated line (Use only during NORMAL work hours 0800-1600 Hrs. Monday - Friday) or 9-783-8150 (Use when the dedicated line is out of service or after normal work hours. A diverter forwards this after normal work hours call to the PEMA Duty Officer).

: NOTE: If no contact, proceed to Step 2.d. :  
: \_\_\_\_\_ :

INITIALS

b. MESSAGE: ASK FOR THE DUTY OFFICER

This is \_\_\_\_\_ at the Three Mile Island Nuclear  
(name/title)

Station Unit 1 calling. We have declared an Emergency.

Give me the Operations Duty Officer. (When Duty Officer

answers): This is \_\_\_\_\_ at the Three Mile Island  
(name/title)

Nuclear Station Unit 1 calling. We have declared a General

Emergency at \_\_\_\_\_ hours. We request that you contact the  
(time)

Bureau of Radiation Protection. Bureau of Radiation Protection call back should be made on the Radiological Line or

948-8869, 948-8071, 944-8839. (Based on Emergency Director's judgement, deliver one of the following statements):

1. We have not had a radioactive release, however, we have the potential for significant radioactive release.

OR

2. We have had a radioactive release and offsite radiation levels are expected to be > 1 REM/hour (gamma) or a child thyroid dose commitment of > 5 REM/hour. We will keep the Bureau of Radiation Protection informed.

INITIALS

3. Give a short, non-technical description of the emergency and the extent of the radioactive release, and potentially affected populations and areas:

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- \_\_\_\_ c. If PEMA was unable to be contacted, contact Dauphin County; advise them that PEMA cannot be contacted and request them to notify PEMA, BRP, and Lancaster, York, Lebanon and Cumberland counties.

- \_\_\_\_ d. Message verification:  
Expect Bureau of Radiation Protection (BRP) contact after PEMA notification. If no BRP confirmation is received within 30 minutes, notify PEMA of situation. If unable to contact PEMA, call Dauphin County and notify them that BRP has not verified initial contact. Instruct Dauphin County to contact PEMA and/or BRP.

\_\_\_\_ 3. Unaffected Control Room

- a. Telephone: Use 8066, 8067 or 8068 or inter-control Room Hot-Line.

INITIALS

- b. MESSAGE: Emergency organization staffing is requested but implementation of the Unit 2 Emergency Plan is not required. (Give a brief description of plant status to the Shift Supervisor/Foreman).

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4. Parent and Four Affected Counties

- a. Telephone each county separately and deliver the message

1. Dauphin - 911 or 9-236-7976
2. York - 73-1-843-5111
3. Lancaster - 73-1-299-8373
4. Lebanon - After hours or Weekends 73-1-272-2025 or Daytime 73-1-272-2296
5. Cumberland - 9-238-9676

- b. MESSAGE:

This is \_\_\_\_\_ at the Three Mile Island Nuclear  
(name/title)

Station Unit 1 calling. We have declared a General Emergency at \_\_\_\_\_ hours. (Give a brief description of the  
(time) emergency.) \_\_\_\_\_

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: NOTE: Each county must be notified independently and the :  
: message transmitted. :  
-----



INITIALS

5. Institute of Nuclear Power Operations

(Do not notify if this is a reclassification notification).

a. Telephone : 1-(404)-953-0904 or contact the TMI Site Operator  
for assistance

b. MESSAGE:

This is \_\_\_\_\_ at the Three Mile Island Nuclear  
(name/title)

Station Unit 1 calling. We have declared a General Emergency

at \_\_\_\_\_ hours. (Give a brief description  
(time)

of the of the emergency.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Pennsylvania State Police 9-234-4051

MESSAGE:

This is \_\_\_\_\_ at the Three Mile Island Nuclear  
(name/title)

Station Unit 1 calling. We have declared a General Emergency

at \_\_\_\_\_ hours. We (have/have not) had a radioactive  
(time)

release. We require immediate traffic control assistance in the  
vicinity of the (North/South) gate.

INITIALS

7. Radiation Management Corporation

Emergencies (0800-1700) 73-1-215-243-2990

(1700-0800) 73-1-215-841-5141

Office (0800-1700) 73-1-215-243-2950

MESSAGE:

This is \_\_\_\_\_ at the Three Mile Island Nuclear  
(name/title)

Station Unit 1 calling. We declared a General Emergency at \_\_\_\_\_  
time

hours. (Give a brief description of the emergency.)

We \_\_\_\_\_ had a radioactive release. We \_\_\_\_\_  
(have/have not) (do/do not)

require assistance at this time. (Describe the assistance required  
if any.)

8. American Nuclear Insurers 74-1-203-677-7305

MESSAGE:

This is \_\_\_\_\_ at the Three Mile Island Nuclear  
(name/title)

Station Unit 1 calling. We have declared a General Emergency  
at \_\_\_\_\_ hours. (Give a brief description of the  
(time)

emergency.) We \_\_\_\_\_ had a radioactive release.  
(have/have not)

INITIALS

- \_\_\_\_ 9. If medical assistance is required, notify the following agency:  
Hershey Medical Center 9-534-8333 (ask for Duty Nurse)  
Notification to be performed in accordance with procedure 1004.16.
- \_\_\_\_ 10. Nuclear Regulatory Commission (NRC) - Bethesda, MD  
(Communications with NRC will be continuously maintained following contact.)
- a. Telephone: NRC Emergency Notification System (ENS) (RED PHONE)  
(If the ENS phone is inoperative, refer to Procedure 1004.6, "Additional Assistance and Notification", for alternate notification methods).
- b. MESSAGE:

-----  
: NOTE: Complete this form (adapted from NUREG-0845) before :  
: contacting the NRC (if this can be done without :  
: exceeding the one (1) hour notification time :  
: requirement) obtain the information from the Shift :  
: Supervisor / Emergency Director :  
-----

Request to speak to the Duty Officer

\_\_\_\_ Duty Officer's Name \_\_\_\_\_ Time of Contact \_\_\_\_\_

This is \_\_\_\_\_ at Three Mile Island  
Name/Title

Nuclear Station, Unit 1. We have declared a(n) (select as appropriate).

\_\_\_\_ 50.72 (NON EMERGENCY)      X GENERAL EMERGENCY (1004.4)  
\_\_\_\_ UNUSUAL EVENT (1004.1)      \_\_\_\_ TRANSPORTATION  
\_\_\_\_ ALERT (1004.2)      \_\_\_\_ PHYSICAL SECURITY; SAFEGUARDS  
\_\_\_\_ SITE AREA EMERGENCY (1004.3)      \_\_\_\_ OTHER CATEGORY

At \_\_\_\_\_ hours on \_\_\_\_\_  
time date

Provide the statement selected by the Shift Supervisor/  
Emergency Director to the NRC Duty Officer.

\_\_\_\_ 1. We have not had a radioactive release, however, we  
have the potential for Significant radioactive  
release.

OR

\_\_\_\_ 2. We have had a radioactive release and offsite  
radiation levels are expected to be >1 REM/hour  
(gamma) or a child thyroid dose commitment of >5  
REM/hour. We will be keeping the Bureau of  
Radiation Protection informed.

c. Give a short non-technical description of the emergency and  
the extent of the radioactive release, and the potentially  
affected populations and areas.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

EVENT TIME: \_\_\_\_\_

CAUSE: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

POWER PRIOR TO EVENT: \_\_\_\_\_

POWER NOW: \_\_\_\_\_

ANY SAFETY INJECTION OR ECCS? \_\_\_\_\_



COOLING MODE: \_\_\_\_\_

ANY CONTAMINATION? (QUANTIFY): \_\_\_\_\_

\_\_\_\_\_

ANY RELEASES: (QUANTIFY): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CONTAINMENT STATUS (IF APPLICABLE): \_\_\_\_\_

\_\_\_\_\_

ANY OTHER PROBLEMS: \_\_\_\_\_

\_\_\_\_\_

PLANS: \_\_\_\_\_

\_\_\_\_\_

DATE \_\_\_\_\_ TIME OF COMPLETION \_\_\_\_\_ COMPLETED BY \_\_\_\_\_

-----  
: NOTE: If the NRC Duty Officer directs you to suspend :  
: continuous communications inform the Officer a call :  
: back will be initiated if any significant changes :  
: occur. Document with Duty Officer Name, Time and :  
: Date in the Emergency Directors Log. :  
-----

ATTACHMENT I

SECTION II

NOTIFICATION CHECKLIST

AGENCY	TIME OF INITIAL NOTIFICATION OR ESCALATION				TIME OF DE-ESCALATION OR CLOSE OUT			
	UNUSUAL EVENT	ALERT	SITE EMERGENCY	GENERAL EMERGENCY	UNUSUAL EVENT	ALERT	SITE EMERGENCY	GENERAL EMERGENCY
Dauphin County								
PEMA								
Unit 2 Control Room								
INPO								
NRC								
Hershey Medical Center	*	*	*	*				
State Police	*	*	*	*				
RMC	*	*	*	*				
ANI	*	*	*	*				
5 Affected Counties	N/A	N/A	N/A	N/A				

\* Optional

ATTACHMENT I SECTION III

SECONDARY CONTACT

INITIALS

The Communicator shall notify the following agencies and personnel and update the Attachment I, Section II checklist after each notification.

- \_\_\_\_ 1. Announce or have announced the following message over the plant page after turning on whelen sirens "ATTENTION ALL PERSONNEL, ATTENTION ALL PERSONNEL. The General Emergency has been terminated. (Give a brief description of the work restrictions, if any)". Repeat message and turn off whelen sirens.

\_\_\_\_ 2. Bureau of Radiation Protection

a. Telephone: Radiological Line or 9-767-3720

b. MESSAGE:

This is \_\_\_\_\_ at the Three Mile Island Nuclear  
(name/title)

Station Unit 1 calling. We have closed out the General Emergency at \_\_\_\_\_ hours and initiated recovery operations.  
(time)

Please notify PEMA, Dauphin, Lancaster, York, Lebanon and Cumberland counties.

\_\_\_\_ 3. Unaffected Control Room

a. Telephone: 8066, 8067, 8068

INITIALS

b. Message:

Notify Shift Supervisor/Foreman of close out of the General  
Emergency.

4. Nuclear Regulatory Commission Office - Bethesda, Md.

a. Telephone: Emergency Notification System (ENS)

(RED PHONE)

b. MESSAGE:

This is \_\_\_\_\_ at the Three Mile Island Nuclear  
(name/title)  
Station Unit 1 calling. We have closed-out the General Emergency  
at \_\_\_\_\_ hours and initiated recovery  
(time)  
operations.

5. If applicable, notify the following persons and/or agencies of the  
close-out of the General Emergency:

a. Hershey Medical Center: 9-534-8333 (ask for Duty Nurse)

b. Pennsylvania State Police: 9-234-4051

c. Radiation Management Corporation (RMC)

Office (0800-1700) 73-1-215-243-2950

Emergencies (0800-1700) 73-1-215-243-2990

(1700-0800) 73-1-215-841-5141

d. American Nuclear Insurers: 74-1-203-677-7305

e. Others: As directed by the Emergency Director

DATE

TIME COMPLETED

COMPLETED BY



ATTACHMENT I SECTION IV  
PROTECTIVE ACTION RECOMMENDATION GUIDELINES

THESE RECOMMENDATIONS MAY BE DELIVERED ONLY BY  
THE EMERGENCY DIRECTOR

1. Consideration shall be given to sheltering if:
  - a. Release time is expected to be short (Puff release, <2 hours)  
(AND)
  - b. Evacuation could not be well underway prior to expected plume arrival due to short warning time, high wind speeds, and/or foul weather
2. Consideration shall be given to evacuation if:
  - a. A release is expected to occur with projected doses approaching or exceeding:
    - 1 Rem Whole Body and/or
    - 5 Rem Child Thyroid(AND)
  - b. Release time is expected to be long (>2 hours)  
(AND)
  - c. Evacuation can be well underway prior to plume arrival for above release, based upon wind speed and travel conditions.

ATTACHMENT II  
EMERGENCY STATUS REPORT  
SECTION I

1. Description of Emergency: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. Has the Reactor tripped Yes / No
3. Did the Emergency Safeguard Systems actuate Yes / No  
If so, which ones
- a. High Pressure Injection Yes / No
- b. Low Pressure Injection Yes / No
- c. Core Flood Yes / No
- d. 4 PSIG Reactor Building Isolation Yes / No
- e. Reactor Building Spray Actuated Yes / No
4. What is the status of the plant
- a. At power
- b. Hot standby
- c. Hot shutdown
- d. Cooling down
- e. Reactor Pressure \_\_\_\_\_ psig
- f. Reactor Temperature \_\_\_\_\_ °F
5. Is offsite power available Yes / No
6. Are both diesel generators operable Yes / No

7. Have any personnel injuries occurred Yes / No

If so, is the injured person(s) contaminated Yes / No

What are the approximate radiation and/or contamination levels

\_\_\_\_\_ mk/hr

\_\_\_\_\_ DPM/100 cm<sup>2</sup>

8. Are there excessive radiation levels and/or contamination

Levels Yes / No

If so, list below:

a. Radiation levels: (Whole body) \_\_\_\_\_

b. Contamination levels \_\_\_\_\_ DPM/100 cm<sup>2</sup>

At location: \_\_\_\_\_

\_\_\_\_\_  
DATE

\_\_\_\_\_  
TIME

\_\_\_\_\_  
COMPLETED BY

ATTACHMENT II  
EMERGENCY STATUS REPORT  
SECTION II

Fill out if a release has (is) occurring. Provide BRP all available information for verification call.

1. What is the approximate radioactive source term discharge rate from the plant (As determined by the Projected Dose Rate Calculation procedure 1004.7).
  - a. Noble gases \_\_\_\_\_ Ci/sec
  - b. Iodine \_\_\_\_\_ Ci/sec
2. What is the approximate meteorology
  - a. Wind speed \_\_\_\_\_ mph
  - b. Wind direction \_\_\_\_\_
  - c. Stability class - Stable/Neutral/Unstable
3. What is the projected whole body dose rate and the iodine concentration at the nearest offsite downwind point
  - a. \_\_\_\_\_ mR/hr
  - b. \_\_\_\_\_ uCi/cc Iodine
  - c. \_\_\_\_\_ (Location)
4. Estimated duration of the release
  - a. If the release is terminated:  
Start time \_\_\_\_\_ Stop time \_\_\_\_\_ Duration \_\_\_\_\_