

(4)

1670.1 APR 23 1979  
Revision 6  
02/13/78

THREE MILE ISLAND NUCLEAR STATION  
STATION RADIATION EMERGENCY PROCEDURE 1670.1  
LOCAL EMERGENCY PROCEDURE

CENTRAL FILE

Table of Effective Pages

CONTROLLED COPY

Page	Date	Revision	Page	Date	Revision	Page	Date	Revision
1.0	02/13/78	6	26.0			51.0		
2.0	02/13/78	6	27.0			52.0		
3.0	02/13/78	6	28.0			53.0		
4.0			29.0			54.0		
5.0			30.0			55.0		
6.0			31.0			56.0		
7.0			32.0			57.0		
8.0			33.0			58.0		
9.0			34.0			59.0		
10.0			35.0			60.0		
11.0			36.0			61.0		
12.0			37.0			62.0		
13.0			38.0			63.0		
14.0			39.0			64.0		
15.0			40.0			65.0		
16.0			41.0			66.0		
17.0			42.0			67.0		
18.0			43.0			68.0		
19.0			44.0			69.0		
20.0			45.0			70.0		
21.0			46.0			71.0		
22.0			47.0			72.0		
23.0			48.0			73.0		
24.0			49.0			74.0		
25.0			50.0			75.0		

Unit 1 Staff Recommends Approval

Approval NA Date —  
Cognizant Dept. Head

Unit 2 Staff Recommends Approval

Approval NA Date —  
Cognizant Dept. Head

Unit 1 PORC Recommends Approval

NA Kinder Date 2/10/79  
Chairman of PORC

Unit 2 PORC Recommends Approval

NA Wilkin Date 2/13/79  
Chairman of PORC

Unit 1 Superintendent Approval

J.P. O'Sullivan Date 2/15/79

Unit 2 Superintendent Approval

J.L. DeLongis Date 2/13/79

Manager Generation Quality Assurance Approval

NA 189 Date —

APR 23 1979

1670.1  
Revision 6  
02/13/78

THREE MILE ISLAND NUCLEAR STATION  
STATION RADIATION EMERGENCY PROCEDURE 1670.1  
LOCAL EMERGENCY PROCEDURE

1.0 DISCUSSION

A Local (or Personnel) Emergency involves an occurrence which could effect the safety of personnel or equipment with an off-site hazard unlikely. This incident may require evacuation of one or more buildings on site. Once a report of an emergency has been received in the Control Room, the Shift Supervisor/Shift Foreman is responsible for determining the extent of the emergency.

2.0 OBJECTIVE

To outline action required in the event that a Local Emergency is declared.

3.0 EMERGENCY ACTION LEVELS

- 3.1 One or more radiation monitors in a single building reach their high alarm setpoint. More than 1 radiation monitor reaches the low alarm setpoint.
- 3.2 Report of a significant increase in the level of radiation or airborne activity in a work area.
- 3.3 Report of a radioactive spill\* in a work area (at least 2 mr/hr @  $\frac{1}{2}$ " or  $10^{-2}$   $\mu$ Ci/cc over 25 square feet).

4.0 IMMEDIATE ACTION

4.1 Emergency Director (Shift Supervisor/Foreman)

- 4.1.1 Report to Control Room.
- 4.1.2 Evaluate emergency conditions and directs appropriate announcement over paging system.



APR 23 1979 3

1670.1  
Revision 6  
02/13/78

- 4.1.3 Notify the Radiation Protection Supervisor/Foreman of the incident. A Rad/Chem Tech or Auxiliary Operator will be sent to the affected area to perform a survey and take the action outlined in Health Physics Procedure 1695, "Occurrence of Unsuspected High Radiation Levels", or Health Physics Procedure 1681 (1681.2 Unit 2), "Control of Contaminated Spills".
- 4.1.4 Evaluate the results of the radiation survey.
  - a. If the results of the survey show radiation contamination levels to be normal, permit routine entry to the area. Announce over the paging system that the Local Emergency no longer exists and that the area is cleared for routine entry.
  - b. If the results of the radiation survey show radiation levels above normal in the local area, ensure that the affected area is roped off and approximately marked as to specific radiological conditions.
- 4.1.5 Determine the cause of high radiation levels and take appropriate steps to return condition to normal.
- 4.2 Operations Personnel (Control Room Operators)
  - 4.2.1 Notify the Shift Supervisor/Shift Foreman.
  - 4.2.2 Make an appropriate announcement over the paging system, if directed by the Shift Supervisor/Shift Foreman, that all personnel should evacuate the affected area and assemble at the ECS for monitoring.
  - 4.2.3 As directed by the Shift Supervisor/Shift Foreman, take appropriate operator action to limit, contain, or correct the condition.

001  
APR 23 1979

1670.1  
Revision 6  
02/13/78

4.3 Radiation Monitoring Teams (Rad Chem Technicians and  
Auxiliary Operators "A")

4.3.1 Perform radiation survey personnel monitoring and decontamination as necessary.

4.4 Personnel in the Area

4.4.1 Notify the Control Room of the conditions in the area and suspected cause of the emergency, and implement the Medical Emergency Procedure as necessary.

4.4.2 If possible, take steps to isolate and/or confine the source of radiation without being subject to unnecessary Radiation exposure.

4.4.3 Leave the area if directed to do so by the Radiation Protection Personnel, Shift Supervisor or Auxiliary Operator. Take appropriate steps while leaving the area to prevent and minimize the spread of Radioactive Contamination. Leave the area and report to the ECS.



TMI DOCUMENTS

DOCUMENT NO: TM-D8

COPY MADE ON 5/3/79 OF DOCUMENT PROVIDED BY  
METROPOLITAN EDISON COMPANY.

WRM  
Wilda R. Mullinix, NRC

7906140148

189 328