

FOR INFORMATION ONLY

AmerGen

TMI Emergency Plan
Implementing Procedure

Number

EPIP-TMI-.28

Title Activation of the Technical Support Center	Revision No 13	
Applicability/Scope TMI Division	USAGE LEVEL 1	Effective Date 08/28/02

This document is within QA plan scope	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
50.59 Applicable	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

List of Effective Pages

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1.0 **PURPOSE**

The purpose of this Procedure is to provide guidelines for the Technical Support Center (TSC) personnel to activate the TSC (Elev. 355', Control Tower) and/or backup TSC (Elev. 322', Control Tower).

2.0 **APPLICABILITY/SCOPE**

a. This procedure is to be initiated upon declaration of any of the following:

- Alert
- Site Area Emergency
- General Emergency
- As directed by the Emergency Director
- As needed by Engineering

3.0 **DEFINITIONS**

None

4.0 **RESPONSIBILITIES**

The Technical Support Center Coordinator is responsible for activating the TSC.

5.0 **PROCEDURE**

NOTE

The following steps are provided in an order likely to result in the most efficient response. However, due to the dynamic and unpredictable nature of emergencies associated with a nuclear power facility, the order of performing the steps may be modified to cope with existing conditions. Modifying the specific order of performance of these steps will have no adverse consequences.

- a. The Technical Support Center Coordinator shall ensure all applicable steps of Exhibit 1 are completed.
- Based on observations of plant data, make recommendations to the ECC that will aid in plant control and minimize any releases of radioactive material.
 - a) Use "TSC Engineering Calculations Guide" as needed to assist in developing recommendations
 - Provide information/assistance to emergency repair teams as requested by the OSC.
- b. The Engineering Line Communicator shall ensure all applicable steps of Exhibit 2 are completed.

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- c. The Technical Support Center Data Collection and Analysis personnel shall ensure the applicable steps of Exhibit 3 are completed.
- d. At the completion of the event (or other use of the TSC), the TSC Coordinator shall notify the Manager, System Engineering or designee to perform an inventory in accordance with TEP-ADM-1300.01 by the end of the working day following the end of the event.

6.0 **REFERENCES**

- a. EPIP-TMI-.05, Communications and Record Keeping
- b. TSC Engineering Calculations Guide

7.0 **EXHIBITS**

- 1. Exhibit 1, Technical Support Center Coordinator's Checklist
- 2. Exhibit 2, Engineering Line Communicator Checklist
- 3. Exhibit 3, Technical Support Center Data Collection and Analysis Checklist
- 4. Exhibit 4, Back-up TSC Activation Instructions

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EXHIBIT 1

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NOTE
Steps not currently applicable or not required should be left blank in case those steps become applicable as the emergency evolves.

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Technical Support Center Coordinator's Checklist

- a. **WHEN** the minimum staffing is present, record names as follows:
- | | | |
|-----------------|-------|---|
| Engineer 1 | _____ | THEN inform the Emergency Director Assistant that the TSC is operational, using the Operations Line, or equivalent |
| Engineer 2 | _____ | |
| Engineer 3 | _____ | |
| Engineer 4 | _____ | |
| TSC Coordinator | _____ | |

NOTE
1. One person in the TSC SHALL be qualified as a Severe Accident Management Evaluator.
2. Additionally, one of the four (4) TSC engineers SHALL be qualified to perform Core Damage Assessment. Typically a Nuclear or Chemistry engineer meets this criterion.

- b. **IF** anyone reporting for duty is suspected of **NOT** being Fit for Duty. **THEN** contact Security to perform Fitness for Duty Testing.

NOTE
In minimum staffing situations, collateral assignments may include: Operations Line Phone Talker Engineering Line Phone Talker Major Equipment and Plant Status Board Maintenance Plant Process Computer Accesser.

- c. If desired, assign a phone talker to the **Operations Line** to log emergency related communications sent to and received by the TSC using the copies of the Telephone Communication Log Sheet (Exhibit 2 of EPIP-TMI-.05, Communications and Record Keeping).

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- d. If desired, assign a phone talker to the **Engineering Line** to log emergency related communications sent to and received by the TSC using the copies of the Telephone Communication Log Sheet (Exhibit 2 of EPIP-TMI-.05, Communications and Record Keeping).
- e. If necessary, assign an individual to access the Plant Process Computer in accordance with Exhibit 3, Technical Support Center Data Collection and Analysis Checklist
- f. If necessary, assign an individual to be responsible for maintaining the status boards.
- g. IF evacuation of the TSC is required **THEN** relocate to the Back-up TSC, in accordance with Exhibit 4.
- h. **WHEN** Protected Area Accountability is required (e.g., at the declaration of a Site Area Emergency or General Emergency or when ordered by the Emergency Director) perform the following:
 - Announce to all TSC personnel that Protected Area Accountability has been ordered.
 - Assign someone to collect the key cards of ALL TSC personnel and process them at the Accountability Card Reader in the Control Room.
 - a) Place each key card against the face of the Accountability Card Reader. The GREEN light will flash to acknowledge accountability. If a RED light flashes notify Security at extension 8039 and provide the number of the key card causing the problem.

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NOTE

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Engineering Line Communicator Checklist

1. Establish and maintain communications with the ECC on the Engineering Line.
 - Log emergency related communications sent to and received by the TSC using copies of the Telephone Communication Log Sheet (Exhibit 2 of EPIP-TMI-.05, Communications and Record Keeping) located in the TSC.
2. If requested by the TSC Coordinator contact Framatome (FANP) for a Site Area Emergency, General Emergency or at the discretion of the TSC Coordinator.

- Contact (Brendon Brooks) Framatome Supervisor Plant Operations Group
 - a. Use a MERIDIAN telephone and dial one of the following numbers:
Work: 9-1-434-832-3219 or Home 9-1-434-384-6598
 - If unsuccessful use the "B & W" Phone" and dial 9-1-434-832-2874.
 - b. Provide the following message, if appropriate:

This is _____ calling from Three Mile Island.						
(Name)						
We have declared a	<table border="0" style="border-left: 1px solid black; border-right: 1px solid black;"> <tr> <td style="padding: 2px;">A General Emergency</td> <td rowspan="4" style="padding: 2px;">] at _____ hours.</td> </tr> <tr> <td style="padding: 2px;">A Site Area Emergency</td> </tr> <tr> <td style="padding: 2px;">An Alert</td> </tr> <tr> <td style="padding: 2px;">An Unusual Event</td> </tr> </table>	A General Emergency] at _____ hours.	A Site Area Emergency	An Alert	An Unusual Event
A General Emergency] at _____ hours.					
A Site Area Emergency						
An Alert						
An Unusual Event						
(Select One)						

- c. Answer Framatome questions concerning the emergency using information from the status boards and/or PPC.

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3. Ensure that the Engineering Line is established between the following, as appropriate:

ECC
 Technical Support Center
 EOF Technical Staff

4. IF a telephone problem occurs, perform the following:

NOTE

All telephone trouble calls are to be reported to the ECC Communications Coordinator at the TMI-1 Control Room (ECC) The ECC Communications Coordinator is located in the Shift Managers Office.

- Contact the ECC Communications Coordinator at extension 8778 and provide the following information:

- a) Name of person reporting the trouble.
- b) The location (facility) where the trouble is occurring.
- c) The name of the circuit in trouble.
(i.e., Operations Line)
- d) A brief description of the trouble you are encountering.

5. When the emergency is closed out, perform the following:

- _____ • As applicable, notify Framatome (FANP)
- _____ • Collect all applicable TSC documentation (i.e., logs, used procedures, computer printouts, etc).
 - _____ a) Send to the Emergency Preparedness Group, TMI Training Building 2.
- _____ • Ensure that the TSC is returned to the proper readiness condition. An inventory of the TSC is required to be performed by the end of the working day following the end of the event. Notify the Manager, System Engineering or designee of the need to perform the inventory in accordance with TEP-ADM-1300.01.

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**Technical Support Center
Data Collection and Analysis Checklist**

1. Use the "TSC Engineering Calculations Guide" as necessary to assist in developing recommendations.
2. **IF** the Unit has experienced a Loss-of-Offsite-Power, proceed as follows; if not, proceed with Step 3:
 - Obtain a "French" style adapter plug from the ED/SM in the Control Room. The plugs are located in the left-hand cabinet of the Control Room Supervisor's desk.
 - Place the adapter plug in the receptacle in the Northwest corner of the TSC. This plug is fed from breaker #10 of ATB.
 - Remove all loads from the power strip under the PPC monitor desk and plug the power strip into the adapter plug.

CAUTION

Do not plug in the Laser Jet Printer.

- Plug the following loads into the power strip as needed:
 - CPU for PPC/PC
 - Monitor for PPC/PC
 - HP Plotter
 - OMNIMUX
 - IBM Mainframe Modem
 - Any other PC and Monitor
- Turn on the power strip and attached loads.

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3. Activate the computer terminal and commence performing accident assessment functions by monitoring present plant parameters and conducting trend analysis of key parameters.
4. Notify the TSC Coordinator that the TSC Data Collection and Analysis functions are operational.
 - Inform the TSC Coordinator of any exceptions.

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Backup TSC Activation

1. If the Unit has experienced a Loss-of-Offsite-Power, proceed as follows; if not, proceed with Step 2:
 - Obtain two (2) "French" style adapter plugs from the ED/SM in the Control Room. The plugs are located in the left-hand cabinet of the Control Room Supervisor's desk.
 - Place the adapter plug in the receptacle in the Southwest corner of the B/U TSC. These plugs are fed from breaker #14 of ATB.
 - Remove all loads from the power strip under the PPC monitor desk and plug the power strip into the adapter plug.

CAUTION

Do not plug in the Laser Jet Printer.

- Plug the following loads into the power strip as needed:
 - CPU for PPC/PC
 - Monitor for PPC/PC
 - HP Plotter
 - OMNIMUX
 - IBM Mainframe Modem
 - Any other PC and Monitor
 - Turn on the power strip and attached loads.

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2. Actuate the Zetron (Radio) by selecting TSC (Position B) 2nd floor.
3. Direct the Engineering Communicator to contact Framatome (FANP) in accordance with Exhibit 2, Engineering Line Communicator Checklist if requested on Exhibit 2.
4. Assign an individual to access the Plant Process Computer in accordance with Exhibit 3, Technical Support Center Data Collection and Analysis Checklist.
5. When Protected Area Accountability is required, (i.e., at the declaration of a Site Area Emergency or General Emergency or when ordered by the Emergency Director) perform the following:
 - Announce to all TSC personnel that Protected Area Accountability has been ordered.
 - Direct TSC personnel to go to the Accountability Card Reader on the Northeast wall of the Back-up TSC to perform the accountability.
 - An individual may be assigned to collect all of the key cards and process them at the Accountability Card Reader.
 - Place each key card against the face of the Accountability Card Reader. The GREEN light will flash to acknowledge accountability. If a RED light flashes, notify Security at extension 8039 and provide the number of the key card causing the problem.
6. When the emergency is closed out follow the instructions in Exhibit 2, Engineering Line Communicator Checklist, Step 5.