

ENTERGY OPERATIONS INCORPORATED

ARKANSAS NUCLEAR ONE

Arkansas Nuclear One
Russellville, Arkansas
Date: 940818

MEMORANDUM

TO: 103
CC - NRC - WASHINGTON

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PROCEDURE/FORM TITLE: EMERGENCY RESPONSE FACILITY TSC

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EMERGENCY RESPONSE FACILITY
TECHNICAL SUPPORT CENTER (TSC)

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1.0 PURPOSE

The purpose of this procedure is to describe the Technical Support Center (TSC) and the role of this facility when activated during an emergency at ANO.

2.0 SCOPE

This procedure includes the physical description of the TSC along with the instructions for activating and operating the facility. In addition, the responsibilities of each ERO position assigned to this facility are described in the form of position guides and/or tasks.

3.0 REFERENCES

3.1 References Used in Procedure Preparation:

3.1.1 Emergency Plan

3.1.2 NUREG-0737, Supp. 1 - Requirements for Emergency Response Capability

3.2 References Used in Conjunction with the Procedure:

3.2.1 Emergency Telephone Directory

3.3 Related ANO Procedures:

3.3.1 Procedure 1903.030, "Evacuation"

3.4 Regulatory Correspondence Containing NRC Commitments which are implemented in the Procedure:

3.4.1 AP&L Response to Supplement 1 to NUREG-0737 dated April 15, 1983 - Letter OCAN048312

3.4.2 OCAN038313, Response to IR 313/8211; 368/8209: Position Guide D, Section 2 C, D, H and I

3.4.3 OCAN088601, Response to Deficiency 313; 368/8511-01, designated vital power receptacle in TSC for aperture card reader

3.4.4 OCAN058411, ANO Response to IR 313; 368/84-48, Step Position Guide A 3I

3.4.5 OCAN058701, Response to Deficiency 313; 368/8710-01, Step 4.2

3.4.6 OCAN068104, Response to Inspection Report 313/81-13; 368/81-11; Step Position Guide F "TSC Status Board Communicator"

3.4.7 OCAN068320, Emergency Plan Evaluation Report Response Update; Section 4.2



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4.0 DEFINITIONS

- 4.1 Control Room - Either of two facilities (Unit One or Unit Two) which directs and controls emergency actions, as necessary, following the initial declaration of an emergency. The Control Room(s) are staffed in accordance with Table B-1 of the ANO Emergency Plan.
- 4.2 Emergency Direction and Control - Overall direction of facility response which must include the non-delegable responsibilities for the decision to notify and to recommend protective actions to Arkansas Department of Health personnel and other authorities responsible for offsite emergency measures. With activation of the EOF, the EOF Director typically assumes the responsibility for Emergency Direction and Control. The management of on-site facility activities to mitigate accident consequences remains with the TSC Director in the Technical Support Center. The Shift Superintendent retains responsibility for the Control Room and plant systems operations.
- 4.3 Emergency Operations Facility (EOF) - The near-site emergency response facility located approximately 0.65 miles northeast of the reactor buildings. This facility serves dually as the training center for ANO personnel.
- 4.4 Initial Response Staff (IRS) - The emergency organization primarily composed of plant staff personnel which must be able to augment the onsite plant personnel in accordance with Table B-1 of the Emergency Plan.
- 4.5 Technical Support Center (TSC) - The emergency response facility located on the 3rd floor of the ANO Administration Building. This facility is equipped with the necessary instrumentation and communication systems for monitoring the course of an accident and formulating corrective and recovery action plans. Additional information concerning this facility is included within this procedure.
- 4.6 Operational Support Center (OSC) - The emergency response facility located in the ANO Maintenance Facility. This facility provides the support for coordinating the following functions:
- Onsite Radiological Monitoring, Maintenance, Nuclear Chemistry, Emergency Medical Support and Fire Fighting Support
- The OSC also serves as the assembly point and briefing area for the rescue/repair and damage control teams.
- 4.7 Emergency Response Organization (ERO) - The organization which is composed of the IRS, the EOF staff, the TSC staff, the OSC staff, and the Emergency Team members. It has the capability to provide manpower and other resources necessary for immediate and long-term response to an emergency situation.



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5.0 RESPONSIBILITY AND AUTHORITY

5.1 Position Guides and Task Assignments detailing the responsibilities of those ERO positions assigned to the Technical Support Center are provided in Attachment 1. Responsibilities for the Emergency Teams/Groups and the Fire Brigade are listed in the appropriate procedures and are not included within the scope of this procedure. These procedures include:

- 5.1.1 Procedure 1015.007, "Fire Brigade Organization and Responsibilities"
- 5.1.2 Procedure 1903.033, "Protective Action Guidelines for Rescue/Repair and Damage Control Teams"
- 5.1.3 Procedure 1903.040, "Duties of the Dose Assessment Team"
- 5.1.4 Procedure 1903.042, "Duties of the Emergency Medical Team"
- 5.1.5 Procedure 1903.043, "Duties of the Emergency Radiation Team"
- 5.1.6 Procedure 1903.055, "Security for AP&L Offsite Facilities"

5.2 The TSC Director is responsible for ensuring that the TSC is setup in accordance with Form 1903.065A, "TSC Activation Checklist".

6.0 INSTRUCTIONS

6.1 TSC Description

- 6.1.1 The TSC is located on the 3rd Floor of the Arkansas Nuclear One Administration Building. This emergency response facility is equipped with the necessary instrumentation to monitor the course of an accident. It also serves as the primary location for coordinating the technical support activities in response to an incident. A floor diagram of the TSC is included as a part of Form 1903.065A.

6.2 TSC Activation

- 6.2.1 The Emergency Response Organization (ERO) will begin activating following the initial announcement of an Alert, Site Area or General Emergency by the Shift Superintendent.
- 6.2.2 The goal is for the TSC to be operational within one (1) hour following the declaration of an Alert, Site Area or General Emergency.
- 6.2.3 The TSC Director will be responsible for ensuring that the TSC is set up in accordance with the guidance established on Form 1903.065A, "TSC Activation Checklist".



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6.2.4 The TSC is considered to be operational whenever the TSC Director assumes Emergency Direction and Control or when the following positions are staffed:

- A. TSC Director
- B. Operations Manager
- C. Maintenance Manager
- D. Engineering Manager
- E. Radiation Protection and Radwaste Manager

6.2.5 The responsibility for Emergency Direction and Control will normally be transferred from the Shift Superintendent to the EOF Director within one hour of an Alert, or higher, emergency class. However, if the situation dictates, the TSC Director may relieve the Shift Superintendent of this responsibility. If this occurs, the TSC Director will assume the responsibility for Emergency Direction and Control when the following actions have been completed:

- A. The responsibility for Emergency Direction and Control has been transferred from the Shift Superintendent to the TSC Director, and
- B. A verbal announcement is made in the Control Room and the TSC stating that the transfer of responsibility has occurred.

6.2.6 The transfer of dose assessment responsibilities does not affect the operability status of the TSC. This function may be transferred at any time during an incident from the Control Room to the EOF. However, the dose assessment function should be transferred to the EOF once the Dose Assessment Team is established in order to relieve the Control Room of this responsibility. This transfer must occur without interruption in performance.

6.3 TSC Staffing

6.3.1 Position guides and task assignments for the TSC staff are included in Attachment 1.

NOTE:

Items on a position guide are not necessarily in sequential order. The user should scan the entire list and prioritize activities as appropriate to the situation, rather than necessarily perform the items in the order listed. Members of the ERO should not rely upon these position guides alone to determine the items for which they are responsible. These position guides should always be used in conjunction with Emergency Plan Implementing Procedures or other appropriate station procedures.



6.3.2 Each position guide details the following:

- A. Reporting location for the listed position,
- B. Position to which the listed positions report,
- C. Those positions/tasks which the position supervises and coordinates, and
- D. Duties for the listed position.

6.4 Turnover

6.4.1 TSC Director

- A. The TSC Director may, as the situation dictates, relieve the Shift Superintendent of the responsibility for Emergency Direction and Control.
- B. The following actions will be performed by the TSC Director whenever he is required to assume responsibility for Emergency Direction and Control:
 - 1. The TSC Director shall prepare for a turnover by acquiring a briefing (from the Shift Superintendent and/or designees) on the incident and the response tasks being performed. The TSC Director shall notify the Shift Superintendent when he is prepared to assume the responsibility and authority for Emergency Direction and Control of the incident.
 - 2. The TSC Director shall notify the OSC Director and make an announcement to the TSC staff that the transfer of responsibility has occurred.

NOTE:

The TSC Director SHALL NOT delegate the responsibility for making offsite Protective Action Recommendations (PARs) or for making decisions to notify offsite authorities.

- 3. It is the responsibility of the TSC Director to ensure that the Command and Control Status Board in the TSC is updated as turnover occurs.
- 4. The TSC Director must turn over responsibilities to a qualified individual before leaving the TSC when he has responsibility for Emergency Direction and Control (i.e., the TSC Director must be available immediately to make Protective Action Recommendations (PARs) and make decisions relating to notification of offsite authorities).



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5. The TSC Director, once assuming responsibility and authority for Emergency Direction and Control of the incident, shall maintain this responsibility until relieved by the EOF Director.
6. The EOF Director will notify the TSC Director when he is prepared to assume the responsibility and authority for Emergency Direction and Control of the incident.
7. The TSC Director shall promptly turn over responsibility and authority for the overall response as requested by the EOF Director.
 - a. The TSC Director shall make an announcement to the TSC staff of the turnover to the EOF.
 - b. The TSC Director shall ensure that the Shift Superintendent and the OSC Director are informed of the turnover from the TSC Director to the EOF Director.

6.4.2 TSC Staff

- A. Whenever a shift turnover is completed for any ERO position in the TSC, the oncoming ERO member shall report this turnover to the TSC Support Superintendent located in the TSC.
- B. Emergency Response personnel who must leave their assigned location temporarily must inform their immediate superior of their location, destination, and estimated time of return (with the exception of the TSC Director as outlined in Section 6.4.1.B.4 previously).

6.5 Secondary TSC

- 6.5.1 In the event of the necessity to evacuate the TSC due to radiation or other hazards, a Secondary TSC is provided in the Emergency Operations Facility (EOF).
- 6.5.2 The Secondary TSC is designed to the same radiological habitability as the Control Rooms onsite at ANO.
- 6.5.3 The Secondary TSC is also equipped with the facilities for monitoring the course of an accident.
- 6.5.4 A floor diagram and activation checklist for the Secondary TSC is included on Form 1903.065C, "Secondary TSC Activation Checklist".



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7.0 ATTACHMENTS AND FORMS

7.1 Attachments

Attachment 1 - Position Guides and Task Assignments
for the TSC Staff

Position Guide A - Engineering Manager

Task A1 - Plant Assessment Support

Task A2 - Reactor Engineering Support

Task A3 - System Engineering Support

Position Guide B - Maintenance Manager

Task B1 - Team Tracking Board

Communicator (TSC)

Position Guide C - Operations Manager

Task C1 - Operations Support

Position Guide D - Radiation Protection
and Radwaste Manager

Task D1 - Dosimetry

Task D2 - Radwaste Support

Position Guide E - TSC Director

Position Guide F - TSC Support Supt.

Task F1 - Security

Task F2 - Administrative Services

Task F3 - Computer Support

Task F4 - TSC EAL Reviewer

Task F5 - TSC Notifications Communicator

Task F6 - TSC Status Board Communicator

Task F7 - TSC ENS Communicator

7.2 Forms

7.2.1 Form 1903.065A - "TSC Activation Checklist"

7.2.2 Form 1903.065B - "ANO Switchboard Operator Emergency
Instructions"

7.2.3 Form 1903.065C - "Secondary TSC Activation Checklist"

7.2.4 Form 1903.065D - "TSC Director Status Update Guide"

7.2.5 Form 1903.065E - "TSC Position Staffing Form"



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ATTACHMENT 1

POSITION GUIDES AND TASK ASSIGNMENTS
FOR THE TSC STAFF



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POSITION GUIDE A

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ENGINEERING MANAGER

A. Normal Reporting Location

TSC

B. Reports To

TSC Director

C. Supervises/Coordinates

1. Plant Assessment
2. Reactor Engineering
3. System Engineering
4. Nuclear Chemistry Manager
5. Accident Assessment Manager

D. Duties

1. Immediate Actions

- a. When notified of an Emergency Plan Activation, report to your assigned facility and, if not already performed, notify CNS (964-3683) that you are staffing your ERO position.
- b. If a plant evacuation is occurring, perform initial accountability by logging "0000" in the TSC security card reader (or any other security card reader) and insert your badge.
- c. Write your name on the TSC Staffing Board under the position that you are staffing.
- d. Verify TSC setup in accordance with the TSC Activation Checklist (Form 1903.065A) located on the front of the door leading into the TSC Switchboard Room.
- e. Notify the TSC Support Superintendent that you are staffing your ERO position.
- f. Obtain available information on emergency classifications and plant conditions. Possible sources include:
 - (1) TSC Director (staff briefing)
 - (2) TSC Status Board
 - (3) Other TSC staff personnel



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ENGINEERING MANAGER

- g. Ensure task responsibilities under your position are assigned:
 - (1) Plant Assessment Support (Task A-1) - Contact personnel from IHEA or Plant Analysis (see Emergency Telephone Directory, Section V).
 - (2) Reactor Engineering Support (Task A-2) - Notified by the Computerized Notification System (CNS).
 - (3) System Engineering Support (Task A-3) - Notified by the Computerized Notification System (CNS).
 - (4) Verify those positions responding via CNS notification by checking the latest CNS printout with the TSC Support Supt.
 - (5) Distribute appropriate Task Guides (attached) as individuals arrive to staff the task positions.
- h. Report current manpower status to the TSC Director.
- i. Obtain all necessary forms for your position from the Emergency Kit:
 - (1) Procedure Forms - Form 1903.065D
 - (2) ERO Chronological Logs.

2. On Going Actions

- a. Refer to Procedure 1903.065 for a description on the TSC facility and information relating to TSC activation criteria, TSC staffing, TSC staff turnover and the Secondary TSC.
- b. If a plant evacuation or exclusion area evacuation has occurred, then:
 - (1) Maintain continuous accountability of those individuals working under your position that are remaining within or returning to the evacuated area.
 - (2) Ensure that the OSC tracks any personnel working under your position that are remaining within or returning to the evacuated area.

Procedure 1903.030, "Evacuation", may be referenced for definitions and/or instructions.

- c. Assure adequate technical and clerical personnel are available to support the Engineering group. Support personnel may be obtained by contacting the TSC Support Superintendent.



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ENGINEERING MANAGER

- d. Ensure adequate office space, equipment, supplies and communications equipment are readily available to the Engineering group.
- e. Provide for the timely collection, retention and transmittal of engineering information to the ERO as requested.
- f. Using Form 1903.065D, "TSC Director Status Update Guide", provide current updates to the TSC Director.
- g. Coordinate with the Operations Manager to develop emergency work plans and procedures regarding abnormal systems or equipment operations.
- h. Coordinate with the Nuclear Chemistry Manager in the OSC (ext. 6613) to obtain Post Accident Sampling System (PASS) analytical results for core damage assessment.
- i. Coordinate with the Accident Assessment Manager in the EOF (ext. 7860) to develop potential long-term accident projections that the ERO will have to contend with.
- j. Review recovery efforts on a continuous basis to ensure that job priorities are consistent and accurate.
- k. Coordinate with the TSC Director to ensure that job priorities are reviewed and revised as necessary.
- l. Oversee plant design modifications to ensure adequate core surveillance and protection is available and all temporary modifications are documented.
- m. Coordinate with the Operations Manager to provide for the timely resolution of NRC questions regarding abnormal operation and/or changes to Technical Specifications and SAR's in accordance with ANO procedures.
- n. Coordinate with collocated NRC officials and ensure that an open communications dialogue is maintained throughout the event.
- o. Monitor consultant activities where outside assistance is being provided.
- p. Ensure that documentation of all maintenance activities is maintained using the ERO Chronological Logs provided in the Emergency Kit.



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ENGINEERING MANAGER

3. Special Actions to be Implemented as Needed

- a. Consider a shift change to relieve your position to an individual from the affected unit, if applicable. Refer to the Emergency Telephone Directory, Section I, or notify the TSC Support Superintendent for assistance.
- b. If applicable, establish a schedule of working hours to support around-the-clock operations. Notify the TSC Support Superintendent for assistance.
- c. If a TSC evacuation is declared by the TSC Director, relocate to the EOF in accordance with Procedure 1903.030, "Evacuation".

4. Shift Change

- a. Upon arrival of your shift replacement, turn over all pertinent documents, forms, and supplies.
- b. Brief your replacement on the current Emergency Classification, status of the plant, information on the Status Boards and ongoing measures that you have been assigned.
- c. Notify the TSC Support Superintendent of the staffing change.
- d. Update your position status on the TSC Staffing Board.

5. Actual Event/Drill Termination

- a. Notify those individuals working under your position that the event/drill has been terminated.
- b. Collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC.
- c. Provide a list of any forms or supplies needing replenishment to Emergency Planning.
- d. Turn over all documentation generated during the drill/emergency to Emergency Planning.
- e. Participate in the post drill/emergency critique to identify weaknesses and strengths.



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POSITION GUIDE A

TASK A-1

PLANT ASSESSMENT SUPPORT

1. Notified of Emergency Plan activation.
2. Analyze plant transients and provide recommendations for recovery efforts to the Engineering Manager.
3. Provide pertinent information from SER's and SOER's relating to the emergency.
4. Identify potential equipment and systems problems that might be encountered.
5. Act as the site contact with INPO.
6. Inform the Engineering Manager of your location and any change in your location for tracking and accountability purposes.
7. When notified of the drill/event termination, collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC to its' pre-drill/event status. Turn over all documentation generated during the drill/event to Emergency Planning.



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POSITION GUIDE A

TASK A-2

REACTOR ENGINEERING SUPPORT

1. Notified of Emergency Plan activation.
2. Monitor the Safety Parameter Display System.
3. Monitor reactor core parameters and perform assessments of core damage as necessary by coordinating with the Nuclear Chemistry Manager (ext. 6613).
4. Provide input for the development and review of proposed recovery actions.
5. Inform the Engineering Manager of your location and any change in your location for tracking and accountability purposes.
6. When notified of the drill/event termination, collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC to its' pre-drill/event status. Turn over all documentation generated during the drill/event to Emergency Planning.



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POSITION GUIDE A

TASK A-3

SYSTEM ENGINEERING SUPPORT

1. Notified of Emergency Plan activation.
2. Develop and document temporary modifications required to support Technical Support Center emergency response efforts.
3. Coordinate Electrical Engineering, Mechanical Engineering, Drafting and Drawing Control activities during an emergency.
4. Provide input for the development and review of proposed recovery action.
5. Inform the Engineering Manager of your location and any change in your location for tracking and accountability purposes.
6. When notified of the drill/event termination, collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC to its' pre-drill/event status. Turn over all documentation generated during the drill/event to Emergency Planning.



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A. Normal Reporting Location

TSC

B. Reports To

TSC Director

C. Coordinates With

1. Operations Manager
2. Engineering Manager
3. OSC Director
4. Maintenance Supt.

D. Duties

1. Immediate Actions

- a. When notified of an Emergency Plan Activation, report to your assigned facility and, if not already performed, notify CNS (964-3683) that you are staffing your ERO position.
- b. If a plant evacuation is occurring, perform initial accountability by logging "0000" in the TSC security card reader (or any other security card reader) and insert your badge.
- c. Write your name on the TSC Staffing Board under the position that you are staffing.
- d. Verify TSC setup in accordance with the TSC Activation Checklist (Form 1903.065A) located on the front of the door leading into the TSC Switchboard Room.
- e. Notify the TSC Support Superintendent that you are staffing your ERO position.
- f. Obtain available information on emergency classifications and plant conditions. Possible sources include:
 - (1) TSC Director (staff briefing)
 - (2) TSC Status Board
 - (3) Other TSC staff personnel



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- g. Ensure task responsibilities under your position are assigned:
- (1) Team Tracking Board Communicator (TSC) - (Task B-1) - Assign a maintenance individual from the OSC Assembly area to staff this task by contacting the OSC Assembly Area Coordinator at ext. 6625. Obtain assistance as necessary from the TSC Support Superintendent to staff this task if unable to obtain personnel from the OSC Assembly Area.
 - (2) Distribute appropriate Task Guides (attached) as individuals arrive to staff the task positions.
- h. Report current manpower status to the TSC Director.
- i. Obtain all necessary forms for your position from the Emergency Kit:
- (1) Procedure Forms - Form 1903.065D
 - (2) ERO Chronological Logs.
2. On Going Actions
- a. Refer to Procedure 1903.065 for a description of the TSC facility and information relating to TSC activation criteria, TSC staffing, TSC staff turnover and the Secondary TSC.
 - b. If a plant evacuation or exclusion area evacuation has occurred, then:
 - (1) Maintain continuous accountability of those individuals working under your position that are remaining within or returning to the evacuated area.
 - (2) Ensure that the OSC tracks any personnel working under your position that are remaining within or returning to the evacuated area.

Procedure 1903.030, "Evacuation", may be referenced for definitions and/or instructions.
 - c. Refer to Procedure 1903.033 for established guidelines concerning repair and damage control teams being dispatched from the OSC.
 - d. Coordinate the development of repair and damage control plans under the direction of the TSC Director.
 - e. Advise the OSC Director regarding implementation of Repair and Damage Control plans developed by the TSC.



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MAINTENANCE MANAGER

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- f. Using Form 1903.065D, "TSC Director Status Update Guide", provide current updates to the TSC Director.
- g. Oversee the investigation of all maintenance-related problems and review problem solving alternatives developed as to their adequacy and workability.
- h. Develop and propose alternative means of monitoring and controlling plant parameters to the Operations Manager.
- i. Monitor in-plant maintenance activities and provide technical advice to the Maintenance Superintendent in support of these maintenance activities.
- j. Ensure that the Maintenance Superintendent is cognizant of the fact that Form 1903.033B, "OSC Team Briefing Form", may serve as the emergency RWP and Work Order in order to expedite the dispatch of repair and damage control teams.
- k. Provide the technical expertise in the maintenance area for response to questions and inquiries from various regulatory agencies.
- l. Coordinate with the TSC RDACS Operator to help track the progress of maintenance activities as it relates to reducing or terminating offsite radiological releases being monitored by the SPINGS.
- m. Coordinate with the Engineering Manager to resolve maintenance-related problems involving necessary engineering support.
- n. Coordinate with collocated NRC officials and ensure that an open communications dialogue is maintained throughout the event.
- o. Monitor consultant activities where outside assistance is being provided.
- p. Ensure that documentation of all maintenance activities is maintained using the ERO Chronological Logs.

3. Special Actions to be Implemented as Needed

- a. Consider a shift change to relieve your position to an individual from the affected unit, if applicable. Refer to the Emergency Telephone Directory, Section I, or notify the TSC Support Superintendent for assistance.
- b. If applicable, establish a schedule of working hours to support around-the-clock operations. Notify the TSC Support Superintendent for assistance.



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- c. If a TSC evacuation is declared by the TSC Director, relocate to the EOF in accordance with Procedure 1903.030, "Evacuation".

4. Shift Change

- a. Upon arrival of your shift replacement, turn over all pertinent documents, forms, and supplies.
- b. Brief your replacement on the current Emergency Classification, status of the plant, information on the Status Boards and ongoing measures that you have been assigned.
- c. Notify the TSC support Superintendent of the staffing change.
- d. Update your position status on the TSC Staffing Board.

5. Actual Event/Drill Termination

- a. Notify those individuals working under your position that the event/drill has been terminated.
- b. Collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC.
- c. Provide a list of any forms or supplies needing replenishment to Emergency Planning.
- d. Turn over all documentation generated during the drill/emergency to Emergency Planning.
- e. Participate in the post drill/emergency critique to identify weaknesses and strengths.



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TASK B-1

TEAM TRACKING BOARD COMMUNICATOR (TSC)

1. Notified of Emergency Plan activation.
2. Report to the Maintenance Manager in the Technical Support Center (TSC).
3. Establish communications with the OSC Team Tracker located in the Operational Support Center (OSC) at ext. 6624 using the telephone located next to the Team Tracking Board in the TSC.

NOTE: A headset is available for use in the TSC emergency Kit if desired.

4. Obtain OSC team tracking information from the OSC Team Coordinator and record this information as you receive it from the OSC Team Coordinator.
5. Maintain the Team Tracking Board with up-to-date information as you receive it from the OSC Team Coordinator.
6. Maintain a hard copy of information recorded on the Team Tracking Board by completing Form 1903.033F located in the TSC Emergency Kit file.
7. Keep the Maintenance Manager informed as information is recorded on the Team Tracking Board.
8. Ensure that you obtain periodic Damage and Control Team mission priorities (example: 1, 2, 3, 4, etc.) from the TSC Director. Communicate these priorities to the OSC via the OSC Team Tracker.
9. Inform the Maintenance Manager of your location and any change in your location for tracking and accountability purposes.
10. When notified of the drill/event termination, collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC to its' pre-drill/event status. Turn over all documentation generated during the drill/event to Emergency Planning.



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OPERATIONS MANAGER

A. Normal Reporting Location

TSC

B. Reports To

TSC Director

C. Supervises/Coordinates

1. Operations staff
2. Assistant Operations Manager
3. Operations Support

D. Duties

1. Immediate Actions

- a. When notified of an Emergency Plan Activation, report to your assigned facility and, if not already performed, notify CNS (964-3683) that you are staffing your ERO position.
- b. If a plant evacuation is occurring, perform initial accountability by logging "0000" in the TSC security card reader (or any other security card reader) and insert your badge.
- c. Write your name on the TSC Staffing Board under the position that you are staffing.
- d. Verify TSC setup in accordance with the TSC Activation Checklist (Form 1903.065A) located on the front of the door leading into the TSC Switchboard Room.
- e. Notify the TSC Support Superintendent that you are staffing your ERO position.
- f. Obtain available information on emergency classifications and plant conditions. Possible sources include:
 - (1) Shift Superintendent (Affected Unit)
 - (2) TSC Director (staff briefing)
 - (3) TSC Status Board
 - (4) Other TSC staff personnel



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OPERATIONS MANAGER

- g. Ensure task responsibilities under your position are assigned:
- (1) Operations Support (Task C-1) - Assign operations personnel from the OSC Assembly Area to staff this task by contacting the OSC Assembly Area Coordinator at ext. 6625 or through the use of the Emergency Telephone Directory, Section V. Obtain assistance as necessary from the TSC Support Superintendent to staff this task if unable to obtain personnel as stated above (e.g. nighttime hours).
 - (2) OSC Operations Support (Task C-2) - Assign a Senior Reactor Operator or a Reactor Operator to report to the OSC to assist the OSC Director and provide Technical and Operational expertise. The Task Guide Book for this position resides with the OSC Director.
 - (3) Distribute appropriate Task Guides (attached) as individuals arrive to staff the task positions.
- h. Dispatch an Assistant Operations Manager to the affected units Control Room, as necessary, to help coordinate the information flow from the Control Room to the TSC. Use Sections I and/or V in the Emergency Telephone Directory to select personnel to fill this position.
- i. As necessary, obtain a Technical Assistant qualified as an SRO to monitor and operate the SPDS in the TSC. Use Section V of the Emergency Telephone Directory.
- j. Report current manpower status to the TSC Director.
- k. Obtain all necessary forms for your position from the Emergency Kit:
- (1) Procedure Forms - Form 1903.065D
 - (2) ERO Chronological Logs.
2. On Going Actions
- a. Refer to Procedure 1903.065 for a description on the TSC facility and information relating to TSC activation criteria, TSC staffing, TSC staff turnover and the Secondary TSC.
 - b. If a plant evacuation or exclusion area evacuation has occurred, then:
 - (1) Maintain continuous accountability of those individuals working under your position that are remaining within or returning to the evacuated area.



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OPERATIONS MANAGER

- (2) Ensure that the OSC tracks any personnel working under your position that are remaining within or returning to the evacuated area.

Procedure 1903.030, "Evacuation", may be referenced for definitions and/or instructions.

- c. Interface with the TSC Director to solicit oversight and direction/decision input in recovery efforts.
- d. Review the Emergency Class declared with the EAL Reviewer, located in the TSC, and the Operations staff.
- e. Oversee the implementation of normal and emergency procedures needed to bring the plant to a safe shutdown.
- f. Determine the need for out-of-normal and emergency procedures and supervise the development and implementation of these procedures.
- g. Provide information and recommendations to the TSC Director concerning future operations that could affect the plant or the environment.
- h. Using Form 1903.065D, "TSC Director Status Update Guide", provide current updates to the TSC Director.
- i. Coordinate with collocated NRC officials and ensure that an open communications dialogue is maintained throughout the event.
- j. Coordinate with the EOF Support Superintendent at ext. 6470 to request services that may be needed from offsite sources.
- k. Advise the TSC Director regarding relaxation/curtailment of Emergency Organization duties.
- l. Coordinate with the Engineering Manager and Maintenance Manager to provide for the timely resolution of NRC questions regarding abnormal operation and/or changes to Technical Specifications and SARs in accordance with procedures.
- m. Coordinate with the Engineering Manager and Maintenance Manager to develop emergency work plans and procedures regarding abnormal systems or equipment operations.
- n. Coordinate with the TSC Support Superintendent to obtain Technical Assistants, as necessary.
- o. Monitor consultant activities where outside assistance is being provided.



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OPERATIONS MANAGER

- p. Ensure that documentation of all operations activities is maintained using the ERO Chronological Logs.

3. Special Actions to be Implemented as Needed

- a. Consider a shift change to relieve your position to an individual from the affected unit, if applicable. Refer to the Emergency Telephone Directory, Section I, or notify the TSC Support Superintendent for assistance.
- b. If applicable, establish a schedule of working hours to support around-the-clock operations. Notify the TSC Support Superintendent for assistance.
- c. If a TSC evacuation is declared by the TSC Director, relocate to the EOF in accordance with Procedure 1903.030, "Evacuation".

4. Shift Change

- a. Upon arrival of your shift replacement, turn over all pertinent documents, forms, and supplies.
- b. Brief your replacement on the current Emergency Classification, status of the plant, information on the Status Boards and ongoing measures that you have been assigned.
- c. Notify the TSC Support Superintendent of the staffing change.
- d. Update your position status on the TSC Staffing Board.

5. Actual Event/Drill Termination

- a. Notify those individuals working under your position that the event/drill has been terminated.
- b. Collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC.
- c. Provide a list of any forms or supplies needing replenishment to Emergency Planning.
- d. Turn over all documentation generated during the drill/emergency to Emergency Planning.
- e. Participate in the post drill/emergency critique to identify weaknesses and strengths.



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TASK C-1

OPERATIONS SUPPORT

1. Notified of Emergency Plan activation.
2. Report to the Administrative Building Library (3rd floor) unless otherwise directed by the Operations Manager.
3. Establish a working level interface with maintenance and with the Control Room of the affected unit.
4. Perform problem analyses of the emergency conditions and provide alternatives for corrective action and long term recovery operations to the Operations Manager.
5. Research the feasibility of proposed recovery actions.
6. Develop procedures and work plans, as necessary, to implement proposed recovery actions.
7. Consult available resource material (technical manuals, drawings, procedures, etc.) to provide specific information on equipment and system to operations.
8. Inform the Operations Manager of your location and any change in your location for tracking and accountability purposes.
9. When notified of the drill/event termination, collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC to its' pre-drill/event status. Turn over all documentation generated during the drill/event to Emergency Planning.



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TASK C-2

OSC OPERATIONS SUPPORT

1. Notified of Emergency Plan Activation.
2. Report to the OSC Director in the OSC.
3. Obtain your OSC Operations Support Task Book (Task C-2), from the OSC Director.
4. Assist the OSC Director.
5. Provide input for OSC planning, briefings debriefings, etc.
6. Stay updated on plant status.
7. When notified of the drill/event termination, collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the OSC to its' pre-drill/event status. Turn over all documentation generated during the drill/event to Emergency Planning.



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RADIATION PROTECTION AND RADWASTE MANAGER

A. Normal Reporting Location

TSC

B. Reports To

TSC Director

C. Supervises/Coordinates

1. TSC RDACS Operator

NOTE:

If contractor HP personnel are utilized during an emergency response, ensure that they are accompanied and supervised by a qualified ERO member.

D. Duties

1. Immediate Actions

- a. When notified of an Emergency Plan Activation, report to your assigned facility and, if not already performed, notify CNS (964-3683) that you are staffing your ERO position.
- b. If a plant evacuation is occurring, perform initial accountability by logging "0000" in the TSC security card reader (or any other security card reader) and insert your badge.
- c. Write your name on the TSC Staffing Board under the position that you are staffing.
- d. Verify TSC setup in accordance with the TSC Activation Checklist (Form 1903.065A) located on the front of the door leading into the TSC Switchboard Room.
- e. Notify the TSC Support Superintendent that you are staffing your ERO position.



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RADIATION PROTECTION AND RADWASTE MANAGER

- f. Obtain available information on emergency classifications and plant conditions. Possible sources include:
 - (1) TSC Director (staff briefing)
 - (2) TSC Status Board
 - (3) Other TSC staff personnel
 - (4) Health Physics Supervisor (OSC - Ext. 6614)
- g. Ensure task responsibilities under your position are assigned:
 - (1) Dosimetry (Task D-1) - Contact personnel from Dosimetry using Section V of the Emergency Telephone Directory. Obtain assistance as necessary from the TSC Support Superintendent to staff this task if unable to obtain personnel as stated above.
 - (2) Radwaste Support (Task D-2) - Contact personnel from Radwaste using Section V of the Emergency Telephone Directory. Obtain assistance as necessary from the TSC Support Superintendent to staff this task if unable to obtain personnel as stated above.
 - (3) Distribute appropriate Task Guides (attached) as individuals arrive to staff the task positions.
- h. If not already available, request via the TSC Support Superintendent that a Dose Assessment Team member be dispatched to the TSC to monitor the RDACS Computer.
- i. Report current manpower status to the TSC Director.
- j. Obtain all necessary forms for your position from the Emergency Kit:
 - (1) Procedure Forms - Form 1903.065D
 - (2) ERO Chronological Logs.

2. On Going Actions

- a. Refer to Procedure 1903.065 for a description on the TSC facility and information relating to TSC activation criteria, TSC staffing, TSC staff turnover and the Secondary TSC.
- b. If a plant evacuation or exclusion area evacuation has occurred, then:
 - (1) Maintain continuous accountability of those individuals working under your position that are remaining within or returning to the evacuated area.



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RADIATION PROTECTION AND RADWASTE MANAGER

- (2) Ensure that the OSC tracks any personnel working under your position that are remaining within or returning to the evacuated area.

Procedure 1903.030, "Evacuation", may be referenced for definitions and/or instructions.

- c. Coordinate with the Health Physics Supervisor located in the OSC to provide oversight for all Health Physics activities.
- d. Using the guidelines established in Procedure 1903.033, provide an oversight of all entries by Repair and Damage Control Teams to ensure that radiation exposure is held to a minimum.
- e. Monitor radiation levels in the TSC/OSC and, using the guidelines on Attachment 2 of Procedure 1903.030, recommend any protective actions to the TSC Director.
- f. Using Form 1903.065D, "TSC Director Status Update Guide", provide current updates to the TSC Director.
- g. Using Procedure 1903.035, assess the need for the administration of Potassium Iodide and advise the TSC Director of any such recommendations.
- h. Develop plans, procedures, and methods for keeping radiation exposure of recovery personnel as low as reasonably achievable (ALARA).
- i. Coordinate with Dosimetry to ensure personnel TLDs are read and updated computer listings are provided.
- j. Ensure that the TSC RADAC's Operator monitors the status of any offsite radiological release.
- k. Coordinate with the Health Physics staff to develop decontamination plans to support the recovery effort.
- l. Provide information and recommendations to the TSC Director concerning future operations that could affect the plant or the environment.
- m. Coordinate with collocated NRC officials and ensure that an open communications dialogue is maintained throughout the event.
- n. Recommend equipment needed for use in accomplishing radwaste processing and monitoring activities.
- o. Advise the Plant Modifications group as necessary concerning radwaste system additions and modifications.



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- p. Coordinate with the EOF Support Superintendent at ext. 6470 to request services that may be needed from offsite sources.
- q. Coordinate with the TSC Support Superintendent to obtain Technical Assistants, as necessary.
- r. Monitor consultant activities where outside assistance is being provided.
- s. Ensure that documentation of all Radiation Protection activities is maintained using the ERO Chronological Logs.

3. Special Actions to be Implemented as Needed

- a. Consider a shift change to relieve your position to an individual from the affected unit, if applicable. Refer to the Emergency Telephone Directory, Section I, or notify the TSC Support superintendent for assistance.
- b. If applicable, establish a schedule of working hours to support around-the-clock operations. Notify the TSC Support Superintendent for assistance.
- c. If a TSC evacuation is declared by the TSC Director, relocate to the EOF in accordance with Procedure 1903.030, "Evacuation".

4. Shift Change

- a. Upon arrival of your shift replacement, turn over all pertinent documents, forms, and supplies.
- b. Brief your replacement on the current Emergency Classification, status of the plant, information on the Status Boards and ongoing measures that you have been assigned.
- c. Notify the TSC Support Superintendent of the staffing change.
- d. Update your position status on the TSC Staffing Board.

5. Actual Event/Drill Termination

- a. Notify those individuals working under your position that the event/drill has been terminated.
- b. Collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC.



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RADIATION PROTECTION AND RADWASTE MANAGER

- c. Provide a list of any forms or supplies needing replenishment to Emergency Planning.
- d. Turn over all documentation generated during the drill/emergency to Emergency Planning.
- e. Participate in the post drill/emergency critique to identify weaknesses and strengths.



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TASK D-1

DOSIMETRY

1. Dosimetry notified of Emergency Plan activation.
2. Report to assigned location.
3. Support the ERO by issuing personnel dosimetry.
4. Ensure personnel TLDs are read and exposure history files are updated in a timely manner.
5. Ensure environmental TLDs are read and accurately logged and this information is supplied to the REAM in the EOF.
6. Provide whole body counts for personnel, as necessary.
7. Inform the Radiation Protection and Radwaste Manager of your location and any change in your location for tracking and accountability purposes.
8. When notified of the drill/event termination, collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC to its' pre-drill/event status. Turn over all documentation generated during the drill/event to Emergency Planning.



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POSITION GUIDE D

TASK D-2

RADWASTE SUPPORT

1. Notified of Emergency Plan activation.
2. Direct the packaging of radioactive wastes.
3. Arrange for transport and disposal of radioactive wastes.
4. Ensure all waste shipments are fully authorized and documented.
5. Report the status of radwaste handling activities to the Radiation Protection and Radwaste Manager, located in the TSC.
6. Inform the Radiation Protection and Radwaste Manager of your location and any change in your location for tracking and accountability purposes.
7. When notified of the drill/event termination, collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC to its' pre-drill/event status. Turn over all documentation generated during the drill/event to Emergency Planning.



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TSC DIRECTOR

A. Normal Reporting Location

TSC

B. Reports To

Entergy Operations Corporate Management EOF Director

C. Supervises/Coordinates

1. Operations Manager
2. Maintenance Manager
3. Engineering Manager
4. OSC Director
5. Radiation Protection and Radwaste Manager
6. TSC Support Superintendent

D. Duties

1. Immediate Actions

- a. When notified of an Emergency Plan Activation, report to your assigned facility and, if not already performed, notify CNS (964-3683) that you are staffing your ERO position.
- b. If a plant evacuation is occurring, perform initial accountability by logging "0000" in the TSC security card reader (or any other security card reader) and insert your badge.
- c. Write your name on the TSC Staffing Board under the position that you are staffing.
- d. Verify TSC setup in accordance with the TSC Activation Checklist (Form 1903.065A) located on the front of the door leading into the TSC Switchboard Room. (NOTE: The goal for TSC activation is within 1 hour of an Alert or higher emergency class).
- e. Notify the TSC Support Superintendent that you are staffing your ERO position.
- f. Obtain available information on emergency classifications and plant conditions. Possible sources include:
 - (1) Shift Superintendent (Use Ringdown Circuit to the Control Room)
 - (2) TSC Status Board
 - (3) Other TSC staff personnel



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- g. If the affected Unit is in an outage, contact the Outage desk for an update/turnover for outage activities and plant/equipment status. Request the Outage Manager and his outage staff members, e.g. Reactor Building Coordinators, etc., to report to the TSC to assist in mitigating the emergency.
- h. If not already available, request via the TSC Support Superintendent that an EAL Reviewer be dispatched to the TSC to review EALs per Procedure 1903.010.
- i. Determine operational status of the TSC using the guidelines established in Procedure 1903.065, Section 6.2.4.
- j. Ensure that a Notifications Communicator is stationed in the TSC and is up-to-date on previous notifications to offsite authorities.
- k. Following discussions with the Shift Superintendent of the affected unit, assume the responsibility for Emergency Direction and Control if the EOF Director is not yet ready to assume this role. See Procedure 1903.065, Section 6.4 for details concerning turnover of Emergency Direction and Control.
1. Obtain all necessary forms for your position from the Emergency Kit:

(1) Procedure Forms:

Form 1903.065D,	"TSC Director Status Update Guide"
Form 1903.030B,	"Plant Evacuation Checklist"
Form 1903.011K,	"NUE Emerg. Dir. and Control Checklist" - TSC Dir.
Form 1903.011N,	"Alert Emerg. Dir. and Control Checklist" - TSC Dir.
Form 1903.011Q,	"SAE Emerg. Dir. and Control Checklist" - TSC Dir.
Form 1903.011T,	"GE Emerg. Dir. and Control Checklist" - TSC Dir.
Form 1903.011W,	"Not. Checklist for TSC"
Form 1903.011Y,	"Emergency Class Not. Initial Message"
Form 1903.011Z,	"Emergency Class Not. Update/Follow-up Message"

(2) ERO Chronological Logs.

2. Emergency Direction and Control Actions

a. Non-Delegable Responsibilities

- (1) Decision to notify offsite authorities



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- (a) The Arkansas Dept. of Health must be notified within 15 minutes of EACH emergency class declaration using Form 1903.011Y.
- (b) The Nuclear Regulatory Commission must be notified immediately after each notification to the ADH and within 1 hour of each emergency class declaration using the ENS telephone.
- (c) Follow-up notifications to the ADH and NRC should be performed at least hourly or as significant events occur using Form 1903.011Z (ADH) and the ENS telephone (NRC).
- (2) Decision to notify offsite authorities concerning Protective Action Recommendations (PARs)
 - (a) Formulation of PARs based on radiological conditions is under the responsibility of the REAM located in the EOF.
 - (b) Formulation of PARs based on plant conditions are developed by the Operations/TSC Staff and the EAL Reviewers
- b. Direct and control the Emergency Response Organization (ERO) effort until the EOF Director assumes this responsibility.
- c. The TSC Director has the responsibility for event classification. The EAL Reviewers in the Control Room, TSC and EOF are responsible for informing you of event classification caused by changing conditions.
- d. Following an Alert declaration, complete Forms 1903.011N, 1903.011W and 1903.011Y.
- e. Following a Site Area Emergency declaration, complete Forms 1903.011Q, 1903.011W, 1903.011Y and 1903.030B (Plant Evacuation Checklist).
- f. Following a General Emergency declaration, complete Forms 1903.011T, 1903.011W, 1903.011Y and 1903.030B (Plant Evacuation Checklist).
- g. Interface with NRC/ADH/local officials on the status of the emergency.
- h. Interface with NRC/ADH/local officials on dose assessment and recommended offsite protective actions.
- i. Continuously review the status of the overall emergency effort.



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- j. Keep Entergy Operations Management informed of the status of the emergency.
- k. Evaluate and approve/disapprove requests for additional personnel staffing from offsite entities.

3. On Going Actions

- a. Refer to Procedure 1903.065 for a description on the TSC facility and information relating to TSC activation criteria, TSC staffing, TSC staff turnover and the Secondary TSC.
- b. If a plant evacuation or exclusion area evacuation has occurred, then:
 - (1) Maintain continuous accountability of those individuals working under your position that are remaining within or returning to the evacuated area.
 - (2) Ensure that the OSC tracks any personnel working under your position that are remaining within or returning to the evacuated area.

Procedure 1903.030, "Evacuation", may be referenced for definitions and/or instructions.

- c. Establish communications with the OSC. Either communicate directly with the OSC Director or delegate as appropriate.
 - (1) Conduct periodic updates with the OSC Director on:
 - (a) Status of in-plant response
 - i) Priority code 1 mission status and prognosis
 - ii) Actual in-plant radiological conditions
 - iii) Nuclear Chemistry status as appropriate
 - (b) Provide direction and oversight to the OSC Director regarding rescue/repair and damage control operations
 - (c) OSC manpower status
- d. Establish priorities (example: 1, 2, 3, 4, etc.) for Damage and Control Team missions and list on the Black Board. Direct the TSC Team Tracking Board Communicator to periodically communicate these priorities to the OSC. (Assign each mission its own unique priority number)



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- e. Conduct periodic updates to the EOF Director on:
 - (1) Status of in-plant response
 - (a) Status of ongoing repair and damage control operations
 - (b) Nuclear Chemistry data as appropriate
 - (c) Recommendations regarding Emergency Classifications
 - (2) TSC manpower status
- f. The TSC Director is the approving authority for exceeding 10CFR20 exposure limits.
- g. Review the habitability of the Control Room, OSC, TSC and Administration Building.
- h. Review recovery efforts with the Engineering Manager to ensure that they have been adequately prioritized.
- i. Coordinate and promulgate mitigation plans and corrective actions with the TSC staff.
- j. If a radiological release is involved, consider using Reactor Building Spray to reduce containment radioactivity levels and containment pressure, thus lowering the release rate to the offsite environment.
- k. Using Form 1903.065D, "TSC Director Status Update Guide", request frequent updates from the TSC Staff.
- l. Coordinate with collocated NRC officials and ensure that an open communications dialogue is maintained throughout the event.
- m. Coordinate with the TSC support Superintendent to obtain Technical Assistants, as necessary.
- n. Ensure that consultant activities are being monitored when outside assistance is being provided.
- o. Ensure that documentation of all TSC activities and decisions are recorded and maintained using the ERO Chronological Logs.
- p. As appropriate, give periodic briefings of events using the plant page (dial 197). Repeat briefings using the page to EOF (dial 199 and pause approximately 15 seconds).



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4. Special Actions to be Implemented as Needed

a. Evacuation Responsibilities

- (1) Responsible for declaring localized, plant and exclusion area evacuation per the criteria of Procedure 1903.030.
- (2) Complete Form 1903.030B, "Plant Evacuation Checklist", as conditions warrant.
- (3) Review initial accountability with the TSC Support Superintendent. (NOTE: The goal of initial accountability is to ascertain the names of missing individuals no later than 30 minutes after the decision has been made to evacuate non-essential personnel).
- (4) Initiate search and rescue efforts as necessary to account for missing individuals following a plant evacuation.
- (5) Following discussions with the Radiation Protection and Radwaste Manager, declare an OSC/TSC evacuation or precautionary evacuation in accordance with the criteria of Procedure 1903.030.
- (6) If the TSC is to be relocated to the Secondary TSC due to adverse conditions, refer to Form 1903.065C, "Secondary TSC Activation Checklist".
- (7) Ensure that NRC/ADH officials are advised of any relocation of the TSC/OSC and the operational status of the Secondary OSC/TSC.
- (8) Following an Exclusion Area Evacuation, approve/disapprove requests by Security to grant access to personnel through established roadblocks.

- b. If applicable, establish a schedule of working hours to support around-the-clock operations. Notify the TSC Support Superintendent for assistance.

5. Shift Change

- a. Upon arrival of your shift replacement, turn over all pertinent documents, forms, and supplies.
- b. Brief your replacement on the current Emergency Classification, status of the plant, information on the Status Boards and ongoing measures that you have been assigned.



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- c. Notify the TSC Support Superintendent of the staffing change.
- d. Update your position status on the TSC Staffing Board.
- 6. Actual Event/Drill Termination
 - a. Notify those individuals working under your position that the event/drill has been terminated.
 - b. Collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC.
 - c. Provide a list of any forms or supplies needing replenishment to Emergency Planning.
 - d. Turn over all documentation generated during the drill/emergency to Emergency Planning.
 - e. Participate in the post drill/emergency critique to identify weaknesses and strengths.



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TSC SUPPORT SUPERINTENDENT

A. Normal Reporting Location

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B. Reports To

TSC Director

C. Supervises/Coordinates

1. ANO Security
2. Office Services
3. Computer Support
4. Coordinate continuous accountability function following a plant evacuation
5. Support Manager
6. TSC Emergency Action Level Reviewers
7. TSC Notifications Communicator
8. TSC Status Board Communicator
9. TSC ENS Communicator

D. Duties

1. Immediate Actions

- a. When notified of an Emergency Plan Activation, report to your assigned facility and, if not already performed, notify CNS (964-3683) that you are staffing your ERO position.
- b. If a plant evacuation is occurring, perform initial accountability by logging "0000" in the TSC security card reader (or any other security card reader) and insert your badge. Refer to Step 3.a below for instructions on your responsibilities as they relate to accountability.
- c. Write your name on the TSC Staffing Board under the position that you are staffing.
- d. Verify TSC setup in accordance with the TSC Activation Checklist (Form 1903.065A) located on the front of the door leading into the TSC Switchboard Room.
- e. Obtain available information on emergency classifications and plant conditions. Possible sources include:
 - (1) TSC Director (staff briefing)
 - (2) TSC Status Board
 - (3) Other TSC staff personnel



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- f. Ensure task responsibilities under your position are assigned:
- (1) Security (Task F-1) - contact personnel from Security using Section V of the Emergency Telephone Directory.
 - (2) Office Services (Task F-2) - Contact personnel from Office Services using Section V of the Emergency Telephone Directory. Additionally, Office Services will be called by CNS during off-hours.
 - (3) Computer Support (Task F-3) - Contact personnel from Computer Support using Section V of the Emergency Telephone Directory.
 - (4) TSC EAL Reviewer (Task F-4) - Contacted via CNS. Refer to CNS printout.
 - (5) TSC Notifications Communicator (Task F-5) - Contacted via CNS. Refer to CNS report.
 - (6) TSC Status Board Communicator (Task F-6) - Contacted via CNS. Refer to CNS report.
 - (7) TSC ENS Communicator (Task F-7) - Contacted via CNS. Refer to CNS report.
 - (8) Distribute appropriate Task Guides (attached) as individuals arrive to staff the task positions.
- g. Complete the TSC Staffing Board. Refer to the Computerized Notification System (CNS) printout to ascertain those ERO positions that are enroute.
- h. Report current manpower status to the TSC Director.
- i. Obtain Form 1903.065E "TSC Position Staffing Form", complete the required information and FAX the completed form to the EOF Support Superintendent at FAX Number 6957.
- j. Obtain all necessary forms for your position from the Emergency Kit:
- (1) Procedure Forms - Form 1903.065D
 - (2) Form 1903.065E



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(3) ERO Chronological Logs

NOTE: If Emergency Direction and Control is transferred directly from the S/S to the EOF Director, the TSC Notifications Communicator will report to you to assist you with your responsibilities.

2. On Going Actions

- a. Refer to this procedure, Steps 4.1, 6.2, 6.3, 6.4 and 6.5, for a description on the TSC facility and information relating to TSC activation criteria, TSC staffing, TSC staff turnover and the Secondary TSC.
- b. If a plant evacuation or exclusion area evacuation has occurred, then:
 - (1) Maintain continuous accountability of those individuals working under your position that are remaining within or returning to the evacuated area.
 - (2) Ensure that the OSC tracks any personnel working under your position that are remaining within or returning to the evacuated area.

Procedure 1903.030, "Evacuation", may be referenced for definitions and/or instructions.

- c. Maintain the TSC Staffing Board as changes occur. Coordinate changes to staffing boards with the Support Manager in the EOF.
- d. Using Form 1903.065D, "TSC Director Status Update Guide", provide current updates to the TSC Director.
- e. Coordinate Security activities:
 - (1) Coordinate the deployment of security roadblocks to minimize radiation exposures. Obtain radiological release information and information concerning the placement of roadblocks from the Radiation Protection and Radwaste Manager.
- f. Coordinate office services and other administrative duties requested by ERO personnel.
- g. Coordinate requests for Computer Support assistance during ERO operations.
- h. Coordinate Communicator needs within the ERO.



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- i. Coordinate requests for Technical Assistants. Refer to Section V of the Emergency Telephone Directory when filling these requests.
 - j. Coordinate with collocated NRC officials and ensure that an open communications dialogue is maintained throughout the event.
 - k. Coordinate with the Support Manager in the EOF at ext. 7854 to request services that may be needed from onsite/offsite sources.
 - l. Monitor consultant activities where outside assistance is being provided.
 - m. Ensure that documentation of all TSC activities in which you are involved are maintained using the ERO Chronological Logs.
3. Special Actions to be Implemented as Needed
- a. Accountability
 - (1) Initial Accountability - Following a plant evacuation, obtain a Security printout to determine those individuals that are missing. **NOTE:** As noted in Section 6.3.C of Procedure 1903.030, this list must be available no later than 30 minutes after the decision has been made to evacuate non-essential personnel.
 - (a) Inform the TSC Director of any personnel determined to be missing.
 - (2) Continuous Accountability - Following a plant evacuation, complete the following actions:
 - (a) Verify that Security has obtained continuous accountability clipboards and signs, which contain Form 1903.030A, from the TSC Emergency Kit.
 - (b) Contact the Control Room Status Board Communicator and instruct him/her to hang the accountability clipboards and signs on the Control Room doors of both Units (inside of door). Instruct the Communicator to periodically review and monitor the Control Room accountability logsheets and report their status to you.
 - (c) Continuous accountability of personnel assembled outside the Control Rooms, TSC and OSC is the responsibility of the person staffing the ERO position to whom they report. (example: Engineering Manager is responsible to account for Engineering personnel).



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- (d) Direct requests for continuous accountability information on specific individuals to the responsible ERO member. A printout of all onsite personnel may be obtained from Security for use as an aid in routing these requests. This printout will include the company and/or department for each person listed and the individual responsible for them while onsite.
 - b. Following an NRC request, coordinate with the Health Physics Supervisor in the OSC to ensure that a technically qualified HP is prepared to staff the Health Physics Network (HPN) telephone in the OSC and the EOF.
 - c. If applicable, establish a schedule of working hours to support around-the-clock operations for your ERO position as well as others when requested.
 - d. If a TSC evacuation is declared by the TSC Director, relocate to the EOF in accordance with Procedure 1903.030, "Evacuation".
4. Shift Change
- a. Upon arrival of your shift replacement, turn over all pertinent documents, forms, and supplies.
 - b. Brief your replacement on the current Emergency Classification, status of the plant, information on the Status Boards and ongoing measures that you have been assigned.
 - c. Record staffing changes due to shift replacements on the TSC Staffing Board.
 - d. Update your position status on the TSC Staffing Board.
5. Actual Event/Drill Termination
- a. Notify those individuals working under you position that the event/drill has been terminated.
 - b. Collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC.
 - c. Provide a list of any forms or supplies needing replenishment to Emergency Planning.
 - d. Turn over all documentation generated during the drill/emergency to Emergency Planning.
 - e. Participate in the post drill/emergency critique to identify weaknesses and strengths.



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TASK F-1

SECURITY

1. Notified of Emergency Plan activation.
2. Report to assigned location.
3. Organize staff and have them report to their assigned location.
4. Establish a schedule of working hours to support around the clock operation.
5. Report manpower status to the TSC Support Superintendent.
6. Coordinate plant evacuation as needed in accordance with Procedure 1903.030.
7. Upon declaration of a Plant Evacuation, ensure that Security personnel obtain the continuous accountability clipboards and signs, which contain Form 1903.030A, from the TSC Emergency Kit and post them at the following Administration Building locations:

 First Floor - Door leading to Turbine Building
 - East and West exits
 - Entry and exit points to Main Guard House
 Second Floor - Door leading to Turbine Building
8. Following a plant evacuation, report initial accountability results to the TSC Support Superintendent.
9. Following a plant evacuation of non-essential personnel, maintain continuous accountability of Security personnel remaining onsite.
10. Coordinate local law enforcement activities as appropriate.
11. Set up roadblocks and control points to control access to ANO, the EOF, and the alternate EOF (if activated). Consider radiological release information (obtained from TSC Support Superintendent) in determining locations of roadblocks and control points.
12. Establish working area in the EOF and the alternate EOF (if activated) to issue plant access identification.
13. Reduce security precautions at termination of emergency.
14. Notify staff upon termination of the ANO emergency response.



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TASK F-2

OFFICE SERVICES

1. Notified of Emergency Plan activation.
2. Report to TSC Library.
3. Organize staff and have them report to their assigned location.
4. Establish a schedule of working hours to support around-the-clock operation.
5. Report manpower status to the TSC Support Superintendent.
6. Relocate/procure Office Services' supplies and equipment as necessary.
7. Inform the TSC Support Superintendent that you are performing this task and perform accountability tasks in accordance with procedure 1903.030, "Evacuation".
8. Following a plant evacuation of non-essential personnel, maintain continuous accountability of Office Services personnel remaining onsite.
9. Notify staff upon termination of the ANO emergency response.
10. As appropriate, periodic status reports should be generated which include the following items:
 - a. Current status of the emergency
 - b. Chronological summary of the event and response actions (listing).
 - c. Organizations currently involved in this response to the event.
 - d. Narrative discussion of the plan of action to address the event.



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TASK F-3

COMPUTER SUPPORT

1. Notified of Emergency Plan activation.
2. Report to assigned location.
3. Establish line of communication with the TSC Support Superintendent.
4. Provide computer hardware and software support for the Emergency Response Organization.
5. Inform the TSC Support Superintendent of location and of any changes in location for tracking purposes.



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TASK F-4

TSC EMERGENCY ACTION LEVEL REVIEWER

1. Notified of Emergency Plan activation.
2. Report to the TSC Support Superintendent in the TSC.
3. Ensure that the TSC Director is aware of your presence upon arrival.
4. Obtain a copy of Procedure 1903.010 and 1903.011 from the TSC Bookcase or the Administration Building Library.
5. Review Procedure 1903.010, "Emergency Action Level Classification", on a continuous basis to ensure adequate classification of the event.
6. Review Procedure 1903.011, "Emergency Response/Notifications", Attachment 6, 7 and 8 on a continuous basis to ensure that appropriate Protective Action Recommendations have been implemented.
7. Report all information concerning classification and Protective Action Recommendations to the TSC Director and ensure that the individual responsible for Emergency Direction and Control is informed.
8. As time permits, review conditions to identify all Emergency Action Levels that apply to current conditions.



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TASK F-5

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TSC NOTIFICATIONS COMMUNICATOR

1. Notified of Emergency Plan Activation.
2. Report to the TSC Support Superintendent in the TSC.
3. Upon arrival, begin helping with the setup of the TSC using Form 1903.065A, "TSC Activation Checklist".
4. If Emergency Direction and Control is transferring directly from the Shift Superintendent to the EOF Director, assist the TSC Support Superintendent as requested. Otherwise, complete the following steps below whenever the TSC Director has Emergency Direction and Control responsibilities.
5. Obtain Procedure Forms 1903.011W, 1903.011Y and 1903.011Z from the TSC Emergency Kit files. Complete these forms as directed by the TSC Director.
6. Establish communications with the Notifications Communicator located in the Control Room (the Shift Engineer from the unaffected unit typically fills this position). Station 21 in the TSC should be used to maintain contact.

Unit One Communicator - Ext. 3102
Unit Two Communicator - Ext. 3202
7. Assume notification responsibilities from the Control Room as directed by the TSC Director.
 - A. Obtain a briefing of the current status of any notifications previously performed by the Control Room.
 - B. Review fax copies of any notification forms which have been sent to the ADH.
8. Complete Form 1903.011W as directed by the TSC Director.
9. Notifications to Offsite Authorities
 - A. Notifications should be performed from Station 21 in the TSC and only upon authorization from the TSC Director.
 - B. Make notifications to the Arkansas Department of Health (ADH) within 15 minutes of any declared emergency class using Form 1903.011Y.



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TSC NOTIFICATIONS COMMUNICATOR

- (1) Radiological/Meteorological information should be obtained from:
 - a. The Initial Dose Assessor in the Control Room if Dose Assessment has not been transferred to the EOF.

Unit One Dose Assessor - Ext. 3102
Unit Two Dose Assessor - Ext. 3202
 - b. The REAM (Ext. 6406/6482) located at the EOF if Dose Assessment has been transferred to the EOF.
- (2) All 1903.011Y Forms should be telefaxed to the ADH in Little Rock until the ADH TOCD arrives at the EOF to collocate with the ANO staff.
- C. Make notifications to the NRC immediately after notifying the ADH using the ENS telephone.
 - (1) Provide the NRC with, at a minimum, the same information that was supplied on the notification form telefaxed to the ADH.
- D. Telefax copies of the completed Emergency Notifications Forms (Forms 1903.011W, 1903.011Y and 1903.011Z) to the EOF, Control Room and OSC.
- E. Provide hourly updates to the ADH (Form 1903.011Z) and NRC (ENS telephone). Update notifications should be provided within one hour of the latest notification or more frequently as directed by the TSC Director.
 - (1) Updates should also be provided whenever significant changes occur prior to a scheduled update. Remember to check the "Significant Change Message" line when providing this type of update.
 - (2) All 1903.011Z Forms should be telefaxed to the ADH in Little Rock until the ADH TOCD arrives at the EOF to collocate with the ANO staff.



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Operations

ARKANSAS NUCLEAR ONE

PROC. WORK PLAN NO.

1903.065

SERIES TITLE:

EMERGENCY
PLAN

PROCEDURE WORK PLAN TITLE:

EMERGENCY RESPONSE FACILITY -
TECHNICAL SUPPORT CENTER (TSC)

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CHANGE:

POSITION GUIDE F

TASK F-6

TSC STATUS BOARD COMMUNICATOR

1. Notified of Emergency Plan Activation.
2. Report to the TSC Support Superintendent in the TSC.
3. Upon arrival, begin helping with the setup of the TSC using Form 1903.065A, "TSC Activation Checklist".
4. Obtain a party-line headset and eraseable markers from the TSC Emergency Kit.
5. Set up at Station 9 in the TSC (behind the SPDS Panel). Connect the headset and ensure that an open-line communication link via the party-line is established with the Control Room Status Board Communicator. The OSC/EOF Status Board Communicators will join the party-line as they report in to their respective facilities.

Note: The ring-down circuit may be used to establish the initial contact with the Control Room Status Board Communicator, however, release the ring-down for the facility directors use as quickly as possible.

6. Complete and maintain the TSC Status Board.
 - A. Status Board entries should be made in chronological order, starting at the top, with the time entry on the left side.
 - B. When the Status Board becomes full, start again at the top by erasing the oldest entry and begin making new entries with a different color marker.
 - C. Ensure that the TSC Director is made aware of significant information that is reported across the party-line and being logged onto the Status Board (e.g., Release started, equipment failures, etc.).



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Operations

ARKANSAS NUCLEAR ONE

PROC./WORK PLAN NO.

SERIES TITLE:

EMERGENCY
PLAN

PROCEDURE/WORK PLAN TITLE:

EMERGENCY RESPONSE FACILITY -
TECHNICAL SUPPORT CENTER (TSC)

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POSITION GUIDE F

TASK F-7

TSC EMERGENCY NOTIFICATION SYSTEM (ENS) COMMUNICATOR

1. Notified of the Emergency Plan Activation.
2. Report to the TSC Support Superintendent in the TSC.
3. Obtain a briefing on the status of current operational conditions and a briefing on historical events that lead up to the event from the Operations Manager in the TSC.
4. Establish your station at the SPDS Panel next to the ENS telephone. Obtain all necessary supplies from the TSC Emergency Kit.

Note: If the Control Room is currently manning the ENS telephone, whenever you lift the receiver on the TSC ENS telephone, you will automatically be joined in with the NRC/Control Room ENS circuit.

5. Lift the receiver on the TSC ENS telephone. If the Control Room/NRC is already on the circuit, inform the Control Room/NRC that you are taking over the ENS responsibility from the Control Room. If you simply hear a dial tone whenever you lift the receiver, you must then dial any one of the numbers listed on the telephone placard. Whenever the NRC answers, inform them that you are staffing the ENS telephone from the ANO TSC.
6. Maintain an open-line with the NRC unless requested otherwise by the NRC Communicator.
7. Provide information to the NRC Communicator as requested. The TSC staff, especially the Operations Manager, will serve as your source for obtaining requested information.
8. Drill/Event Termination
 - A. When notified of the drill/event termination, collect and organize in chronological order all of your documents, logs, etc., and help restore the TSC.
 - B. Provide a list of any forms or supplies needing replenishment to Emergency Planning.
 - C. Turn over all documentation generated during the drill/event to Emergency Planning.
 - D. Participate in the post drill/event critique.



NOTE:

An attached floor diagram of the TSC is provided for reference, as necessary.

Initials

- _____ 1. Open the TSC Emergency Kit located within the TSC.
- _____ 2. Place the RM-14 radiation monitor on the table in front of the staffing board. Perform a battery check of the instrument and set the monitor on the X1 scale.
- _____ 3. Turn on the power to the TSC/OSC PA amplifier.
- _____ 4. Check the dial tone on all of the TSC telephone lines except the ring down circuits. If inoperable, contact Telecommunications (refer to the Emergency Telephone Directory, Section 5).
- _____ 5. Put the RDACS key in the RDACS computer (key is located in the TSC Emergency Kit keybox)
- _____ 6. Activate the Continuous Air Sampler located in the closet on the 3rd Floor (only if Health Physics has not yet arrived to perform this function).

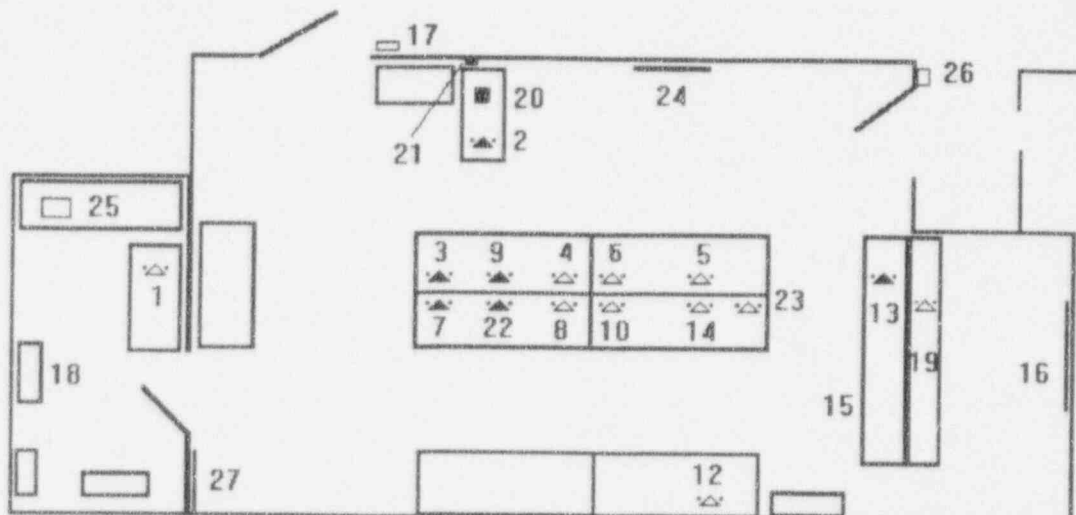
NOTE:

Due to the noise level produced, the NMC should be moved down to one of the adjoining hallways, as appropriate.

- A. Plug the NMC into a 110 VAC outlet.
 - B. Ensure the "High Voltage" switch is "OFF".
 - C. Turn the "Master" power switch "ON".
 - D. Check to make sure the amber warning light is on. If the light is on, then turn on the "High Voltage" switch. The light should go out within approximately 30 seconds and both meters should begin to respond.
 - E. Turn the air pump "ON" through the use of the switch under the cover of the NMC.
-
- _____ 7. Advise the ANO Switchboard Operator in the Generation Support Building (extension 5000) that the ANO Emergency Facilities are being activated. Have this person refer to Form 1903.065B, "ANO Switchboard Operator Emergency Instructions" for guidance. A copy of this form is located in the ANO Switchboard Operators copy of the Emergency Telephone Directory (the forms are also located in the TSC Emergency Kit file box).
 - _____ 8. Submit this completed form to the TSC Director.



Technical Support Center



TECHNICAL SUPPORT CENTER

(3rd FLOOR SOUTH CONFERENCE ROOMS; ANO ADM. BUILDING
NRC OFFICE SPACE PROVIDED ADJACENT TO TSC

LEGEND

- | | |
|--|--|
| 1. TSC SWITCHBOARD OPERATOR | 16. TSC STATUS BOARD |
| 2. HEALTH PHYSICS NETWORK (HPN) TELEPHONE | 17. CARD READER |
| 3. NRC REACTOR SAFETY TEAM LEADER | 18. TSC EMERGENCY KIT |
| 4. TSC DIRECTOR | 19. SPDS |
| 5. RADIATION PROTECTION AND RADWASTE MANAGER | 20. RDACS OPERATOR |
| 6. MAINTENANCE MANAGER | 21. NRC LOCAL AREA NETWORK (WALL JACK) |
| 7. NRC COUNTERPART LINK COMMUNICATOR | 22. REACTOR SAFETY COUNTERPART LINK |
| 8. TSC NOTIFICATIONS COMMUNICATOR | 23. NRC PROTECTIVE MEASURES COUNTERPART LINK |
| 9. NRC MANAGEMENT COUNTERPART LINK | 24. TEAM TRACKING BOARD COORD. |
| 10. ENGINEERING MANAGER | 25. COMPUTERIZED NOTIFICATION SYSTEM (CNS) |
| 11. DELETED | 26. EMERGENCY KEY BOX |
| 12. TSC SUPPORT SUPERINTENDENT | 27. STAFFING BOARD |
| 13. EMERGENCY NOTIFICATION SYSTEM (ENS) | |
| 14. OPERATIONS MANAGER | |
| 15. NRC REACTOR SAFETY SPECIALIST | |

•Δ• = ANO TELEPHONE STATION

•▲• = NRC TELEPHONE STATION



These guidelines are to assist the ANO Switchboard Operator (Generation Support Building) in performing appropriate actions during an emergency:

NOTE

Refer to the Emergency Telephone Directory for telephone numbers.

In-coming Calls

1. Personal Calls

- 1.1 For a routine personal call, do not take a message.
- 1.2 For an emergency personal call, refer to section 2 of the Emergency Telephone Directory, call the party and give message. If party does not answer, contact the Support Manager in the EOF for help in locating the individual(s).

2. News Media and Public Calls

- 2.1 Refer news media inquiries to the Communications Manager in the EOF until Media Personnel at the Emergency Operations Facility have been activated (See Emergency Telephone Directory, section 3 for telephone numbers).
- 2.2 For public inquiries, provide the following message to members of the general public until the activation of Rumor Control Personnel at the EOF:

"A (an) _____ has been declared at Arkansas Nuclear One. Emergency Response Personnel are responding to the situation. Please refer to your Emergency Instructions Booklet you received in the mail and tune your radio to station KARV for further information".

3. Government Officials Calls

- 3.1 Refer U.S. Nuclear Regulatory Commission, U.S. Department of Energy, Arkansas Department of Health, or U.S. Coast Guard to the TSC Switchboard Operator or the EOF Director.
- 3.2 Refer all other government inquiries to the Communications Manager.



4. Other Local Agencies

4.1 Forward calls from local agencies such as St. Mary's Hospital, Pope County Emergency Medical Service, Russellville Fire Department, Occupational Medical Consultants to the OSC Director.

5. Exclusion Area Evacuation

5.1 Turn switchboard off.

5.2 Evacuate to the Emergency Operations Facility (Reeves E. Ritchie Training Center) per announced instructions.

5.3 Assist Emergency Operations Facility Switchboard personnel as instructed.

6. Bomb Threat Call

Refer to the Bomb Threat Checklist in the back of the ANO Telephone Directory.



NOTE:

An attached floor diagram of the Secondary TSC is provided for reference, as necessary.

Initials

- _____ 1. Notify TSC staff of the necessary relocation to the Secondary TSC.
- _____ 2. Notify the EOF Maintenance Coordinator located at the EOF that the TSC staff is being relocated and that Room 260 should be setup.
- _____ 3. Ensure that a Communicator is dispatched to the Secondary TSC to aid the EOF Maintenance Coord. in preparing Room 260.

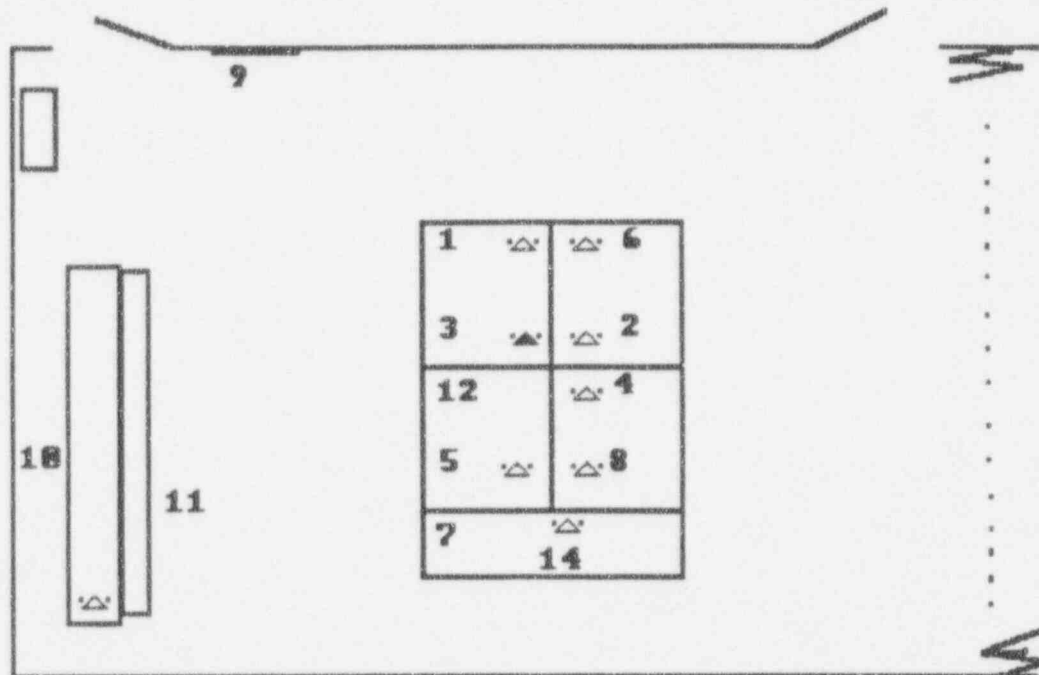
NOTE:

Refer to Procedure 1903.030, "Evacuation" for additional details relating to evacuation of the TSC.

- _____ 4. Submit this completed form to the TSC Director.



SECONDARY TECHNICAL SUPPORT CENTER - ROOM 260 (EOF)



LEGEND

1. SECONDARY TSC TELEPHONE OPERATOR
2. TSC DIRECTOR
3. NRC OPERATIONS COORDINATOR/REACTOR SAFETY COORDINATOR
4. MAINTENANCE MANAGER
5. RAD. PROTECTION AND RADWASTE MANAGER
6. TSC DIRECTOR ADMINISTRATIVE ASSISTANT
7. NRC CONTAINMENT SPECIALIST
8. ENGINEERING MANAGER
9. COMMAND AND CONTROL BOARD
10. PLANT STATUS BOARD
11. NRC REACTOR SAFETY SPECIALIST
12. OPERATIONS MANAGER
13. DELETED
14. TSC SUPPORT SUPERINTENDENT

•△• = TELEPHONE STATION (ANO)

•▲• = TELEPHONE STATION (NRC)



1. Date and Time of Status Update: Date: _____ Time: _____
2. Engineering Manager Update Items (Check as reviewed):
- A. _____ Reactor health, core cooling systems operational status.
 - B. _____ Containment status, current trends, prognosis.
 - C. _____ Review of accident mitigation - objectives, priorities, and strategies.
 - D. _____ Status of engineering evaluations in progress.
 - E. _____ Status of support given in response to OSC and Control Room Requests.
 - F. _____ Engineering support available.
 - G. _____ Problem areas needing resolution.

Notes: _____

3. Maintenance Manager Update Items (check as reviewed):
- A. _____ Plant equipment problems or malfunctions.
 - B. _____ Status of repair and damage control efforts in progress.
 - C. _____ Problems or delays experienced in equipment repair.
 - D. _____ Offsite agencies or consultants giving assistance in repair and damage control.
 - E. _____ Problem areas needing resolution.

Notes: _____

4. Operations Manager Update Items (check as reviewed):
- A. _____ Review of Emergency Class declared based on plant conditions.
 - B. _____ Significant items from the SS of the affected unit.
 - C. _____ Emergency and/or abnormal operating procedures entered or exited.
 - D. _____ Operational status, trends, and forecasts of plant equipment and systems.
 - E. _____ Planned future operations that could affect the plant.
 - F. _____ Offsite agencies or consultants providing assistance in the recovery of the plant.
 - G. _____ Problem areas needing resolution.

Notes: _____



5. Radiation Protection and Radwaste Manager Update Items (check as reviewed):

- A. ☐ Radiological release data available.
- B. ☐ Control Room\OSC\TSC habitability.
- C. ☐ On-site radiological conditions affecting repair\recovery effort.
- D. ☐ Personnel exposure status, overexposure, contamination etc.
- E. ☐ Plans for keeping radiation exposure of repair\recovery personnel as low as reasonably achievable.
- F. ☐ Decontamination work necessary to support the recovery effort.
- G. ☐ Radwaste processing and monitoring in progress.
- H. ☐ Planned evolutions that could affect the plant environment.
- I. ☐ Problem areas needing resolution.

Notes: _____

6. TSC Support Superintendent Update Items (check as reviewed):

- A. ☐ Status of technical and/or administrative support requested by the TSC, OSC, or Control Room.
- B. ☐ Offsite communications (transmissions in progress) from the TSC.
- C. ☐ Status of initial\continuous accountability (if plant evacuation has occurred).
- D. ☐ Security activities in support of emergency response.
- E. ☐ Problem areas needing resolution.

Notes: _____

7. TSC Director Update Items (check as reviewed):

- A. ☐ Current Emergency Class declared and the basis.
- B. ☐ On-site protective measures in effect (or planned).
- C. ☐ Overall accident mitigation objectives and their priorities.
- D. ☐ Significant items from the EOF Director.
- E. ☐ Significant items from the OSC Director.
- F. ☐ Problem areas needing resolution.

Notes: _____



8. Other Organization (NRC, etc.) Update Items (list as reviewed):

- A. _____
- B. _____
- C. _____
- D. _____
- E. _____

9. Direct key TSC personnel to update their subordinates with applicable information obtained in the status update.

10. Select the time of the next TSC Status Update and announce it in the Technical Support Center.

11. Conduct periodic updates with the OSC Director on:

- 1) Status of in-plant response
 - a) Priority code 1 mission status and prognosis
 - b) Actual in-plant radiological conditions
 - c) Nuclear chemistry status as appropriate
- 2) Provide direction and oversight to the OSC Director regarding rescue/repair and damage control operations
- 3) OSC manpower status

12. Conduct periodic updates with the EOF Director on:

- a. Status of in-plant response
 - 1) Status of in-plant response
 - 2) Nuclear chemistry data as appropriate
 - 3) Recommendations regarding Emergency Classifications
- b. TSC manpower status

NOTE

Items on these lists are suggested topics for routine updates. Items actually selected for update should be based on existing or projected conditions.



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TSC POSITION STAFFING FORM

POSITION	NAME
ENGINEERING MANAGER	
MAINTENANCE MANAGER	
OPERATIONS MANAGER	
R.P. & R.W. MANAGER	
TSC DIRECTOR	
TSC SUPPORT SUPERINTENDENT	

Complete the above by listing the names of the ERO personnel staffing the above positions. FAX this form immediately to the EOF Support Superintendent at FAX Number 6957.

Completed by _____ Date _____ Time _____

FORM TITLE:

TSC POSITION STAFFING FORM

FORM NO.

1903.065E

REV.

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