

Arkansas Nuclear One - Administrative Services
Document Control

**Procedure/Work Plan/Form
Update Notification**

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DOCUMENT NO: OP-1903.065

TITLE: EMERGENCY RESPONSE FACILITY TSC

REVISION NO: 11

CHANGE NO: PC-01

SUBJECT: PERMANENT CHANGE (PC)

Please sign Date _____

Return To:

Josephine Anhalt
ANO

GSB-3-W



ENERGY

ENERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE

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TITLE: EMERGENCY RESPONSE FACILITY -
TECHNICAL SUPPORT CENTER (TSC)

PROC/WORK PLAN NO.
1903.065

REV.
11

EXP. DATE
N/A

SAFETY-RELATED
 YES NO

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 NO

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APPROVAL AUTHORITY:

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ENTERGY

**ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE**

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**TITLE: EMERGENCY RESPONSE FACILITY -
TECHNICAL SUPPORT CENTER (TSC)**

PROC/WORK PLAN NO.

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SAFETY-RELATED

YES

NO

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POSITION GUIDE E

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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

IMMEDIATE ACTIONS

_____ Notify CNS (858-3683) that you are staffing your ERO position.

_____ 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.

_____ Write your name on the TSC Staffing Board under the position TSC Director.

_____ 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 declaration.

_____ 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

_____ 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.

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POSITION GUIDE E

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TSC DIRECTOR

_____ 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.

_____ Determine operational status of the TSC using the guidelines established in Procedure 1903.065, Section 6.2.4.

_____ 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.

EMERGENCY DIRECTION AND CONTROL ACTIONS

_____ Ensure that a Notifications Communicator is stationed in the TSC and is up-to-date on previous notifications to offsite authorities.

_____ Notify offsite authorities.

- (1) The Arkansas Dept. of Health must be notified within 15 minutes of EACH emergency class declaration using Form 1903.011Y.
- (2) 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.
- (3) 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).

_____ Notify offsite authorities concerning Protective Action Recommendations (PARs)

- (1) Formulation of PARs based on radiological conditions is under the responsibility of the REAM located in the EOF.
- (2) Formulation of PARs based on plant conditions are developed by the Operations/TSC Staff and the EAL Reviewers

_____ Direct and control the Emergency Response Organization (ERO) effort until the EOF Director assumes this responsibility.

_____ 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.

_____ Following an Alert declaration, complete Forms 1903.011N, 1903.011W and 1903.011Y.

_____ Following a Site Area Emergency declaration, complete Forms 1903.011Q, 1903.011W, 1903.011Y and 1903.030B (Plant Evacuation Checklist).

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TSC DIRECTOR

Following a General Emergency declaration, complete Forms 1903.011T, 1903.011W, 1903.011Y and 1903.030B (Plant Evacuation Checklist).

ON GOING ACTIONS

- Interface with NRC/ADH/local officials on the status of the emergency.
- Interface with NRC/ADH/local officials on dose assessment and recommended offsite protective actions.
- Continuously review the status of the overall emergency effort.
- Keep Emergency Operations Management informed of the status of the emergency.
- Evaluate and approve/disapprove requests for additional personnel staffing from offsite entities.
- 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.
- Establish communications with the OSC. Either communicate directly with the OSC Director or delegate as appropriate.
- 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
- 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)
- 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

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TSC DIRECTOR

- _____ If necessary, approve emergency exposure limits exceeding 10CFR20 exposure limits, for in-plant emergency teams.
- _____ Review the habitability of the Control Room, OSC, TSC and Administration Building.
- _____ Review recovery efforts with the Engineering Manager to ensure that they have been adequately prioritized.
- _____ Coordinate and promulgate mitigation plans and corrective actions with the TSC staff.
- _____ 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.
- _____ Using Form 1903.065D, "TSC Director Status Update Guide", request frequent updates from the TSC Staff.
- _____ Coordinate with collocated NRC officials and ensure that an open communications dialogue is maintained throughout the event.
- _____ Coordinate with the TSC Support Superintendent to obtain Technical Assistants, as necessary.
- _____ Ensure that consultant activities are being monitored when outside assistance is being provided.
- _____ Ensure that documentation of all TSC activities and decisions are recorded and maintained using the ERO Chronological Logs.
- _____ 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).
- _____ If applicable, establish a schedule of working hours to support around-the-clock operations. Notify the TSC Support Superintendent for assistance.

EVACUATION

- _____ If necessary, declare localized, plant and exclusion area evacuation per the criteria of Procedure 1903.030.
- _____ Complete Form 1903.030B, "Plant Evacuation Checklist", as conditions warrant.
- _____ Ensure that the entire TSC Staff provides initial accountability by reporting to the nearest security card reader, inserts their security badge and enters "0000" into the card reader.

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POSITION GUIDE E

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TSC DIRECTOR

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.

- _____ Review initial accountability with the TSC Support Superintendent.
- _____ Initiate search and rescue efforts as necessary to account for missing individuals following a plant evacuation.
- _____ Maintain continuous accountability of those individuals working under your position that are remaining within or returning to the evacuated area.
- _____ Ensure that the OSC tracks any personnel working under your position that are remaining within or returning to the evacuated area.
- _____ 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.
- _____ If the TSC is to be relocated to the Secondary TSC due to adverse conditions, refer to Form 1903.065C, "Secondary TSC Activation Checklist".
- _____ Ensure that NRC/ADH officials are advised of any relocation of the TSC/OSC and the operational status of the Secondary OSC/TSC.
- _____ Following an Exclusion Area Evacuation, approve/disapprove requests by Security to grant access to personnel through established roadblocks.

SHIFT CHANGE

- _____ Upon arrival of your shift replacement, turn over all pertinent documents, forms, and supplies.
- _____ 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.
- _____ Notify the TSC Support Superintendent of the staffing change.
- _____ Update your position status on the TSC Staffing Board.

ACTUAL EVENT/DRILL TERMINATION

- _____ Notify those individuals working under your position that the event/drill has been terminated.

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TSC DIRECTOR

- _____ Collect and organize in chronological order all of your documents, logs, procedures, supplies, etc., and help restore the TSC.
- _____ Provide a list of any forms or supplies needing replenishment to Emergency Planning.
- _____ Turn over all documentation generated during the drill/emergency to Emergency Planning.
- _____ Participate in the post drill/emergency critique to identify weaknesses and strengths.

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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. Obtain the RM-14 radiation monitor from the kit and place on the frisking station stanchion, located at the entrance to the TSC from the Library. Perform a battery check of the instrument and set the monitor on the X1 scale.
- 1 pc-1 _____ 3. Turn on the power to the TSC/OSC PA amplifier (located in the TSC communications room).
- _____ 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).
- 1 pc-1 _____ 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 minutes 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.

FORM TITLE:

TSC ACTIVATION CHECKLIST

FORM NO.

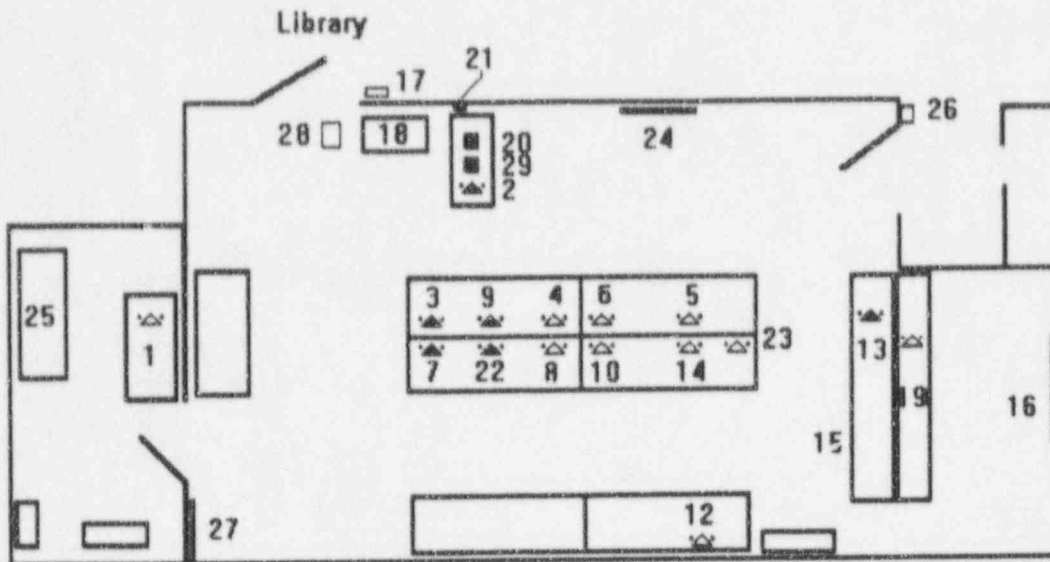
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Technical Support Center

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TECHNICAL SUPPORT CENTER
 (3rd FLOOR SOUTH CONFERENCE ROOMS; ANO ADM. BUILDING
 NRC OFFICE SPACE PROVIDED ADJACENT TO TSC)
LEGEND

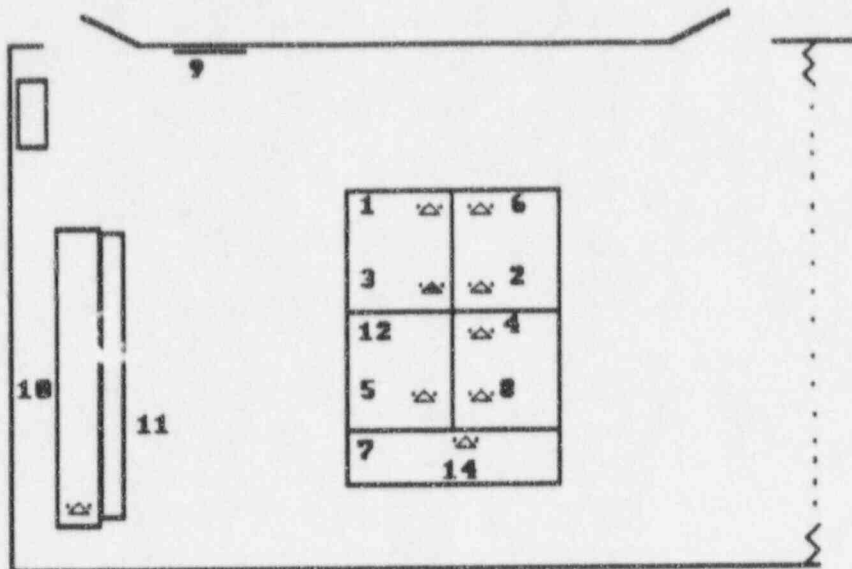
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| 1. TSC SWITCHBOARD OPERATOR | 17. CARD READER |
| 2. HEALTH PHYSICS NETWORK (HPN) TELEPHONE | 18. TSC EMERGENCY KIT |
| 3. NRC REACTOR SAFETY TEAM LEADER | 19. SPDS |
| 4. TSC DIRECTOR | 20. RDACS OPERATOR |
| 5. RADIATION PROTECTION AND RADWASTE MANAGER | 21. NRC LOCAL AREA NETWORK (WALL JACK) |
| 6. MAINTENANCE MANAGER | 22. REACTOR SAFETY COUNTERPART LINK |
| 7. NRC COUNTERPART LINK COMMUNICATOR | 23. NRC PROTECTIVE MEASURES COUNTERPART LINK |
| 8. TSC NOTIFICATIONS COMMUNICATOR | 24. TEAM TRACKING BOARD COORD. |
| 9. NRC MANAGEMENT COUNTERPART LINK | 25. COMPUTERIZED NOTIFICATION SYSTEM (CNS) |
| 10. ENGINEERING MANAGER | 26. EMERGENCY KEY BOX |
| 11. DELETED | 27. STAFFING BOARD |
| 12. TSC SUPPORT SUPERINTENDENT | 28. FRISKING STATION |
| 13. EMERGENCY NOTIFICATION SYSTEM (ENS) | 29. ERIMS Terminal |
| 14. OPERATIONS MANAGER | |
| 15. NRC REACTOR SAFETY SPECIALIST | |
| 16. TSC STATUS BOARD | |

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·△· = ANO TELEPHONE STATION
 ·▲· = NRC TELEPHONE STATION

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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)

FORM TITLE: SECONDARY TSC ACTIVATION CHECKLIST	FORM NO. 1903.065C	REV. 11 <i>PC-1</i>
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