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THIS TABLE OF CONTENTS IS DISTRIBUTED FOR INFORMATION ONLY.

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NOTES:

- Responsible section for all EPIP procedures is WBN Emergency Preparedness Planning.
- All EPIP procedures are for Unit 0.

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-2

NOTIFICATION OF UNUSUAL EVENT

Revision 23

Unit 0

PREPARED BY: James F. Hagy

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY: Frank L. Pavlechko

Effective Date: 03/31/2003

LEVEL OF USE: REFERENCE

NON-QUALITY RELATED

Revision History

Revision Number	Implementation Date	Pages Affected	Description of Revision
19	07/30/02	All 3, 4, 5, 7, 8	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Intent changes made to the procedure to support the NRC Safeguards Advisory and actions associated with IN 2002-14. (ie) Added Step 8 on the two person line of site rule, and assembly and accountability requirements. Realigned steps in instruction concerning Security Site Specific Credible Threat. Added Steps 18 and 19 to enhance termination instructions. Added NRC IN 2002-14 to the references.
20	08/26/02	ALL	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Substantial format modification for standardization with BFN/SQN was implemented in this revision. Reformatted and re-paginated as necessary. Reordered actions to be consistent with EPIP's 3-5. Added Section 5.0, Illustrations and Appendices Section to the body of the procedure. Clarified what MET Data elevation is to be included on the follow up form. This is an intent revision.
21	10/23/2002	5	Plan effectiveness determinations reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Intent Change: Removed Credible Site Specific Threat from the procedure because the REP Section 5.2.1 (5) provides the SED with the authority to activate the ERO as necessary to initiate corrective or protective actions. In addition the NRC\NEI Guidance issued in 2002 does not require activation of emergency centers at the unusual event for a Credible Site Specific Threat. This change has been standardized within TVAN per EP Peer Team instruction.
22	12/16/2002	2, 4, 6	Plan effectiveness determinations reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to revise instruction references. Updated format for intersite consistency.
23	03/31/2003	2, 9	Plan effectiveness determinations reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to enhance notification form and data for intersite consistency. Editorial corrections.

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1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the Shift Manager (SM) or Site Emergency Director (SED), Technical Support Center (TSC) has determined by WBN, EPIP-1 that an incident has occurred which is classified as a NOTIFICATION OF UNUSUAL EVENT.
- 1.2 To provide the SM/SED a method for periodic reanalysis of current conditions to determine whether the NOTIFICATION OF UNUSUAL EVENT should be terminated or continued, or upgraded to a more serious condition.

2.0 REFERENCES

2.1 Interface Documents

- [1] EPIP-1, "Emergency Plan Classification Flowchart"
- [2] EPIP-3, "Alert"
- [3] EPIP-4, "Site Area Emergency"
- [4] EPIP-5, "General Emergency"
- [5] EPIP-8, "Personnel Accountability and Evacuation"
- [6] EPIP-10, "Medical Emergency Response"
- [7] EPIP-14, "Radiological Control Response"
- [8] EPIP-13, "Initial Dose Assessment for Radiological Emergencies"
- [9] CECC EPIP-9, "Emergency Environmental Radiological Monitoring Procedures"
- [10] 10 CFR 50.72 Immediate Notification Requirements for Operating Nuclear Power Reactors
- [11] NUREG-0654, FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.
- [12] ANSI N 18.7 - 1976
- [13] NRC IN 2002-14
- [14] SPP-3.5 "Regulatory Reporting Requirements"
- [15] SPP-3.1 "Corrective Action Program"

3.0 INSTRUCTIONS

Date _____

NOTE Steps not required to be performed may be N/A'd.

Upon determining that existing conditions are classified as a **NOTIFICATION OF UNUSUAL EVENT** according to EPIP-1 (independent evaluations by crew members may be beneficial), the SED, or designee, will :

1. **INITIATE** Appendix A, Initial Notification Information ☐

CAUTION If there is any possibility of a radiological release or security adversary attack, do not send personnel into areas of unknown radiological conditions or security risk without first contacting Radiological Control (RADCON) or Security.

2. **IF**, in the judgement of SM\SED, the Unusual Event requires the activation of the TSC and OSC, **THEN DIRECT** Shift Personnel to activate the Emergency Paging System (EPS) to staff the TSC and OSC. Shift Personnel should confirm activation and provide the 20 minute printed report to the SM for review. ☐
- A. **IF** the EPS system fails, call the ODS, ringdown or (5-751-1700) and have him activate the EPS.
- B. **IF** the above methods of activating the EPS fail, Shift Personnel must use the Radiological Emergency Response Call Lists to staff the TSC and OSC. This list is located in the EPS Manual near the terminal.

NOTE ODS should be notified within 5 minutes after declaration of the event.

3. **NOTIFY** the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 **AND**

Initial/Time

PROVIDE the information from Appendix A.

IF the ODS cannot be contacted within 10 minutes, **THEN** the Tennessee Emergency Management Agency is to be notified of the Radiological Emergency Plan activation by calling:
9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400.

4. **ANNOUNCE** to the crew: "A Notification of Unusual Event is being declared based on _____. I will be the Site Emergency Director." ☐
5. **FAX** Appendix A to the ODS. (# pre-programmed or 5-751-8620), or TEMA at 9-1-615-242-9635. ☐

3.0 INSTRUCTIONS (continued)

Date _____

6. **ANNOUNCE** to the plant, "ATTENTION ALL SITE PERSONNEL. ATTENTION ALL SITE PERSONNEL. A Notification of Unusual Event is being declared based on _____ conditions." (Repeat) ☐

CAUTION: You should not initiate Assembly and Accountability at this time IF it will present a danger to employees. For example, a severe weather condition exists or is imminent (such as a Tornado), or an Onsite Security risk condition exists (Consult with Nuclear Security).

7. IF the NOUE has been declared due to a Security EAL and Nuclear Security recommends Accountability to establish the "Two Person (Line of Sight) Rule". Then implement EPIP 8 for Assembly and Accountability .

Initial/Time

8. **NOTIFY** Duty Plant Management in accordance with SPP-3.5, AND

PROVIDE NOUE information . ☐

9. **RECEIVE** confirmation call from the ODS (to verify notification of the State of Tennessee) (NA this step, if the state was contacted directly) . ☐

NOTE NRC notification should be made as soon as practicable **but within one hour** of "NOTIFICATION OF UNUSUAL EVENT" declaration. Whenever NRC requests, a qualified person must provide a continuous update to NRC Operations Center.

10. **NOTIFY** NRC, using the designated NRC phone (ENS), of plan activation. The following commercial numbers are for the NRC Operations Center:

9-1-301-816-5100 (MAIN)
9-1-301-951-0550 (Backup)
9-1-301-816-5151 (FAX)

Initial/Time

11. **EVALUATE** the need to implement EPIP-13, "Initial Dose Assessment for Radiological Emergencies, " for a dose projection if radioactivity is being released through normal plant release paths . ☐
12. IF there are personnel injuries, **IMPLEMENT** EPIP-10, "Medical Emergency Response. " ☐

3.0 INSTRUCTIONS (continued)

Date _____

13. NOTIFY WBN Emergency Preparedness . ☐

Notification to Emergency Preparedness should be made as soon as practicable, but only when notification does not interfere with emergency actions or notifications in progress.

Work - 3232
Home - 9-1-423-337-2911
Pager - 30374

or

Work - 8004 or 1838
Home - 9-1-865-376-4691
Pager - 70215

14. NOTIFY the NRC Resident Inspector by calling 1776 AND

PROVIDING the information on Appendix A . ☐15. REEVALUATE the event using WBN EPIP-1 as necessary to determine if conditions warrant reclassification. ☐

A. IF the condition warrants upgrading to a higher classification,

INITIATE the appropriate steps of WBN EPIP's 3, 4, or 5.

B. IF other plant conditions warrant the need for follow-up information, COMPLETE the Follow-up Notification Form, Appendix B AND NOTIFY the TSC/CECC (if it is staffed),

OR

NOTIFY the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 and PROVIDE the information. IF the ODS cannot be contacted within 10 minutes, the Tennessee Emergency Management Agency is to be notified of the information by calling: 9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400.

C. IF the situation no longer exists, complete Appendix B AND

TERMINATE the emergency by informing the ODS, NRC and the Duty Plant Manager.

D. FAX Appendix B to the ODS. (# pre-programmed or 5-751-8620), or TEMA at 9-1-615-242-9635.

16. ENSURE applicable notifications/actions required by SPP-3.5 and SPP-3.1 have been made . ☐

3.0 INSTRUCTIONS (continued)

Date _____

17. After the event is terminated, **SEND** the completed WBN EPIP-2 and associated documentation to WBN Emergency Preparedness (EP) Manager ☐

4.0 RECORD RETENTION

4.1 Records of Classified Emergencies

The materials generated in support of key actions during an actual emergency classified as NOUE are considered Lifetime retention Non-QA records. Materials shall be forwarded to the EP Manager who shall submit any records deemed necessary to demonstrate performance to the Corporate EP Manager for storage.

4.2 Drill and Exercise Records

The materials deemed necessary to demonstrate performance of key actions during drills are considered Non-QA records. These records shall be forwarded to the EP Manager who shall retain records deemed necessary to demonstrate six-year plan performance for six years. The EP Manager shall retain other records in this category for three years.

APPENDIX A
(Page 1 of 1)

TVA INITIAL NOTIFICATION FORM FOR UNUSUAL EVENT

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event
2. This is SED _____,
Watts Bar has declared an **UNUSUAL EVENT** affecting Unit 1
3. EAL Designator(s): _____
4. Brief Description of the Event: _____

5. Radiological Conditions: (Check one under both Airborne and Liquid column.)
Airborne Releases Offsite Liquid Releases Offsite
- | | |
|---|---|
| <input type="checkbox"/> Minor releases within federally approved limits ¹ | <input type="checkbox"/> Minor releases within federally approved limits ¹ |
| <input type="checkbox"/> Releases above federally approved limits ¹ | <input type="checkbox"/> Releases above federally approved limits ¹ |
| <input type="checkbox"/> Release information not known
(¹ Tech Specs) | <input type="checkbox"/> Release information not known
(¹ Tech Specs) |
6. Event Declared: Time: _____ Date: _____
7. Provide Protective Action Recommendation: ☐ None
8. Please repeat the information you have received to ensure accuracy.
9. Time and Date this information was provided _____ / _____
- Action: When completed, telecopy this information.**

APPENDIX B
(Page 1 of 1)

NOTIFICATION OF UNUSUAL EVENT FOLLOW-UP NOTIFICATION FORM

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event
2. There has been a NOTIFICATION OF UNUSUAL EVENT declared at Watts Bar affecting Unit 1. This is a FOLLOW-UP NOTIFICATION.
3. Reactor Status:: ☐ Shut Down ☐ At Power ☐ Refueling ☐ N/A
4. Additional EAL Designators: _____
5. Significant Changes in Plant Conditions: _____

6. Significant Changes in Radiological Conditions: _____

7. Offsite Protective Action Recommendation:
☐ None - No Protective Actions at this time
8. Onsite Protective Actions: Assembly and Accountability ☐ No ☐ Initiated ☐ Completed
Site Evacuation ☐ No ☐ Initiated ☐ Completed
9. The Meteorological Conditions are: Wind Speed: _____ m.p.h.
(Use 46 meter data on the Met Tower) Wind Direction is from: _____ degrees
10. Event Terminated: Date/Time _____
11. Please repeat the information you have received to ensure accuracy.
12. FAX to ODS at 5-751-8620 or TEMA at 9-1-615-242-9635 or the CECC Director at 5-751-1682 after completing the notification.

Completed by: _____ Date/Time _____

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-3
ALERT

Revision 25

Unit 0

PREPARED BY: James F. Hagy

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY: Frank L. Pavlechko

Effective Date: 03/31/2003

LEVEL OF USE: REFERENCE

NON-QUALITY RELATED

Revision History

Revision Number	Implementation Date	Pages Affected	Description of Revision
20	01/24/02	All pg. 3, 5, 6	Plan effectiveness determinations revisions indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change. Added step to receive ODS confirmation call to TEMA. This standardizes with other TVAN units. Enhanced caution statement to include Security adversary attack. Per NRC Safeguards Advisory, moved caution step to enhance information. Changed the word Activate to Sound this makes the wording similar to EPIP 3 & 4 on step 9.
21	06/05/02	All 3, 5 & 7	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Non-intent change(s): added fax number to TEMA.
22	07/30/02	All 3, 5, 8	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Intent change. Revised caution statement on assembly and accountability. Added NRC IN 2002-14 to the references.
23	08/26/02	ALL	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Substantial format modification for standardization with BFN/SQN was implemented in this revision. Reformatted and re-paginated as necessary. Reordered actions to be consistent with EPIP's 2, 4, 5. Added Section 5.0, Illustrations and Appendices Section to the body of the procedure. EPIP-3 was revised to implement actions to support the NRC Security Order including identification of a staging area for the ERO outside the Protected Area. Clarified what MET Data to be included on the follow up notification form. This is an intent revision.
24	12/16/2002	2, 4, 6-8	Plan effectiveness determination reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to revise instruction references. Updated format for intersite consistency.
25	03/31/2003	2, 9	Plan effectiveness determinations reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to enhance notification form and data for intersite consistency. Deleted duplicate steps which are in EPIP-8. Editorial corrections.

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WBN	ALERT	EPIP-3
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1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the Shift Manager (SM) or Technical Support Center (TSC) Site Emergency Director (SED) has determined by WBN EPIP-1 that an incident has occurred which is classified as an ALERT.
- 1.2 To provide the SED/SM a method for periodic reanalysis of current conditions to determine whether the ALERT should be terminated or continued, or upgraded to a more serious condition.

2.0 REFERENCES

2.1 Interface Documents

- [1] EPIP-1, "Emergency Plan Classification Flowchart"
- [2] EPIP-4, "Site Area Emergency"
- [3] EPIP-5, "General Emergency"
- [4] EPIP-6, "Activation and Operation of the Technical Support Center"
- [5] EPIP-7, "Activation and Operation of the Operations Support Center"
- [6] EPIP-8, "Personnel Accountability and Evacuation"
- [7] EPIP-10, "Medical Emergency Response"
- [8] EPIP-11, "Security and Access Control"
- [9] EPIP-13, "Initial Dose Assessment for Radiological Emergencies"
- [10] EPIP-14, "Radiological Control Response"
- [11] EPIP-16, "Termination and Recovery"
- [12] CECC EPIP-9, "Emergency Environmental Radiological Monitoring Procedures"
- [13] 10 CFR 50.72 *Immediate Notification Requirements for Operating Nuclear Power Reactors*
- [14] NUREG 0654, FEMA-REP-1, Rev. 1, *Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.*
- [15] ANSI N18.7-1976
- [16] NRC INFORMATION NOTICE 2002-14
- [17] SPP-3.5 "Regulatory Reporting Requirements"
- [18] SPP-3.1 "Corrective Action Program"

3.0 INSTRUCTIONS

Date _____

NOTE Steps not required to be performed may be N/A'd.

Upon determining that existing conditions are classified as an ALERT according to EPIP-1 (independent evaluations by crew members may be beneficial), the SED, or designee, will:

NOTE 1 IF ongoing onsite Security events may present risk to the emergency responders, THEN... CONSULT with Security to determine if site access is dangerous to the life and health of emergency responders.

NOTE 2 IF ongoing events makes site access dangerous to the life and health of emergency responders WHEN activating EPS... SELECT STAGING AREA button on the terminal INSTEAD of the EMERGENCY button. Offsite personnel will be directed to the Training Center CR 19 (LNC). Responders presently within the Protected Area will monitor Plant Announcements and report to the TSC or OSC as conditions permit.

1. **DIRECT** Shift Personnel to activate the Emergency Paging System (EPS) to staff the TSC and Operations Support Center (OSC). Shift Personnel should confirm activation and provide the 20 minute printed report to the SM for review. ☐
 - A. IF the EPS system fails, call the ODS, ringdown or (5-751-1700) and have him activate the EPS.
 - B. IF the above methods of activating the EPS fail, Shift Personnel must use the Radiological Emergency Response Call Lists to staff the TSC and OSC. This list is located in the EPS Manual near the terminal.
2. **INITIATE** Appendix A, Initial Notification Information. ☐

NOTE: ODS should be notified within 5 minutes after declaration of the event.

3. **NOTIFY** the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 and **PROVIDE** the information from Appendix A.

Initial/Time

IF the ODS cannot be contacted within 10 minutes, **THEN** the Tennessee Emergency Management Agency is to be notified of the Radiological Emergency Plan activation by calling 9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400.

3.0 INSTRUCTIONS (cont.)

Date _____

4. **ANNOUNCE** to the crew: "An Alert is being declared based on _____ . I will be the Site Emergency Director. " ☐
5. **FAX** Appendix A to the ODS . ☐
(# pre-programmed or 5-751-8620), or TEMA at 9-1-615-242-9635.
6. **ANNOUNCE** to the plant: "ATTENTION ALL SITE PERSONNEL. ATTENTION ALL SITE PERSONNEL. An ALERT emergency has been declared based on _____ . Staff the TSC and OSC." (Repeat) ☐

CAUTION If there is any possibility of a radiological release, A severe weather condition (such as a Tornado) or security adversary attack, **HOLD** assembly and accountability actions until these conditions have been resolved. Do not send personnel into areas of unknown radiological conditions or security risk without first contacting Radiological Control (RADCON) or Security.

7. **EVALUATE** plant conditions, and **IF** conditions warrant, **THEN**

INITIATE WBN EPIP-8, Personnel Accountability and Evacuation, Appendix D.

Initial/Time

8. **CALL** RADCON Lab and **SAY**: "We are in an Alert, implement WBN EPIP-14 "Radiological Control Response" and CECC EPIP-9 . ☐
9. **IF** there are personnel injuries, **IMPLEMENT** WBN EPIP-10, "Medical Emergency Response. " ☐
10. Security and Access Control will be implemented through WBN EPIP-11, "Security and Access Control. " ☐
11. **NOTIFY** Duty Plant Management in accordance with SPP-3.5 **AND PROVIDE** Alert Notification Information . ☐
12. **EVALUATE** the need to implement EPIP-13, "Initial Dose Assessment for Radiological Emergencies," for a dose projection if radioactivity is being released through normal plant release paths . ☐
13. **RECEIVE** confirmation call from the ODS (to verify notification of the State of Tennessee) (NA this step, if the state was contacted directly) . ☐

WBN	ALERT	EPIP-3
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3.0 INSTRUCTIONS (cont.)

Date _____

NOTE NRC notification should be made as soon as practicable **but within one hour** of "ALERT" declaration. Whenever NRC requests, a qualified person must provide a continuous update to NRC Operations Center.

14. **NOTIFY** the NRC, using designated NRC phone (ENS), of plan activation.

The following commercial numbers are for the NRC Operations Center:

9-1-301-816-5100 (MAIN)
 9-1-301-951-0550 (BACKUP)
 9-1-301-816-5151 (FAX)

Initial/Time

15. **NOTIFY** the NRC Resident Inspector by calling 1776 and **PROVIDING** the information on Appendix A . ☐

16. **REEVALUATE** conditions using WBN EPIP-1 as necessary . ☐

A. **IF** the conditions warrant upgrading to a higher classification, **INITIATE** the appropriate steps of WBN EPIP-4 or EPIP-5.

B. **IF** other plant conditions warrant the need for followup information, **COMPLETE** Appendix B, Alert Followup Notification Form, and **NOTIFY** the TSC/CECC (if it is staffed) **OR**,

NOTIFY the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 and **PROVIDE** the information.

If the ODS cannot be contacted within 10 minutes, the Tennessee Emergency Management Agency is to be notified of the information by calling: 9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400

C. **IF** the conditions are under control, **INITIATE** actions identified in WBN EPIP-16, "Termination of the Emergency and Recovery."

D. **FAX** Appendix B to the ODS. (# pre-programmed or 5-751-8620), or TEMA at 9-1-615-242-9635.

17. **ENSURE** applicable notifications/actions required by SPP-3.5 and SPP-3.1 have been made . ☐

18. **SEND** the completed WBN EPIP-3 and associated documentation to the Emergency Preparedness (EP) Manager . ☐

WBN	ALERT	EPIP-3
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4.0 RECORD RETENTION

4.1 Records of Classified Emergencies

The materials generated in support of key actions during an actual emergency classified as ALERT are considered Lifetime retention Non-QA records. Materials shall be forwarded to the EP Manager who shall submit any records deemed necessary to demonstrate performance to the Corporate EP Manager for storage.

4.2 Drill and Exercise Records

The materials deemed necessary to demonstrate performance of key actions during drills are considered Non-QA records. These records shall be forwarded to the EP Manager who shall retain records deemed necessary to demonstrate six-year plan performance for six years. The EP Manager shall retain other records in this category for three years.

APPENDIX A
(Page 1 of 1)

TVA INITIAL NOTIFICATION FORM FOR ALERT

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event
2. This is SED _____,
Watts Bar has declared an **ALERT** affecting Unit 1
3. EAL Designator(s): _____
4. Brief Description of the Event: _____

5. Radiological Conditions: (Check one under both Airborne and Liquid column.)
Airborne Releases Offsite Liquid Releases Offsite
- | | |
|---|---|
| <input type="checkbox"/> Minor releases within federally approved limits ¹ | <input type="checkbox"/> Minor releases within federally approved limits ¹ |
| <input type="checkbox"/> Releases above federally approved limits ¹ | <input type="checkbox"/> Releases above federally approved limits ¹ |
| <input type="checkbox"/> Release information not known
(¹ Tech Specs) | <input type="checkbox"/> Release information not known
(¹ Tech Specs) |
6. Event Declared: Time: _____ Date: _____
7. Provide Protective Action Recommendation: ☐ None
8. Please repeat the information you have received to ensure accuracy.
9. Time and Date this information was provided _____/_____/_____

Action: When completed, telecopy this information.

APPENDIX B
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ALERT FOLLOW-UP NOTIFICATION FORM

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event
2. There has been an **ALERT** declared at Watts Bar affecting Unit 1.
This is a **FOLLOW-UP NOTIFICATION**.
3. Reactor Status: : ☐ Shut Down ☐ At Power ☐ Refueling ☐ N/A
4. Additional EAL Designators: _____
5. Significant Changes in Plant Conditions: _____

6. Significant Changes in Radiological Conditions: _____

7. Offsite Protective Action Recommendation:
☐ None - No Protective Actions at this time
8. Onsite Protective Actions: Assembly and Accountability ☐ No ☐ Initiated ☐ Completed
Site Evacuation ☐ No ☐ Initiated ☐ Completed
9. The Meteorological Conditions are: Wind Speed: _____ m.p.h.
(Use 46 meter data on the Met Tower) Wind Direction is from: _____ degrees
10. Event Terminated: Date/Time _____
11. Please repeat the information you have received to ensure accuracy.
12. FAX to ODS at 5-751-8620 or TEMA at 9-1-615-242-9635 or CECC Director at 5-751-1682 after completing the notification.

Completed by: _____, Date/Time _____

WBN

SITE AREA EMERGENCY

EPIP-4

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-4

SITE AREA EMERGENCY

Revision 26

Unit 0

PREPARED BY: James F. Hagy

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY: Frank L. Pavlechko

Effective Date: 03/31/2003

LEVEL OF USE: REFERENCE

NON-QUALITY RELATED

REVISION DESCRIPTION

Revision Number	Implementation Date	Pages Affected	Description of Revision
22	06/05/02	All 3, 5 & 7	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Intent change(s) : removed county EPZ phone numbers per direction from Tennessee Emergency Management Agency (TEMA). Non-intent change(s): added fax number to TEMA.
23	07/30/02	All 3, 5, 7, 8	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Intent change(s): Revised caution statement on assembly and accountability. Added Step 16 on evacuation of non emergency responders. Added NRC IN 2002-14 to the references.
24	08/26/02	ALL	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Substantial format modification for standardization with BFN/SQN was implemented in this revision. Reformatted and re-paginated as necessary. Reordered actions to be consistent with EPIP's 2, 3, 5. Added Section 5.0, Illustrations and Appendices Section to the body of the procedure. EPIP-4 was revised to implement actions to support the NRC Security Order including identification of a staging area for the ERO outside the Protected Area. Clarified what MET Data is to be included on the follow up form. This is an intent revision.
25	12/16/2002	2, 4, 6, 7, 9	Plan effectiveness determination reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to revise instruction references. Updated format for intersite consistency.
26	03/31/2003	2, 6, 9	Plan effectiveness determinations reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to enhance notification form and data for intersite consistency. Deleted duplicate steps which are in EPIP-8. Editorial corrections.

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WBN	SITE AREA EMERGENCY	EPIP-4
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1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the Shift Manager (SM) or Technical Support Center (TSC) Site Emergency Director (SED) has determined by WBN EPIP-1 that an incident has occurred which is classified as an **SITE AREA EMERGENCY**.
- 1.2 To provide the SED/SM a method for periodic reanalysis of current conditions to determine whether the **SITE AREA EMERGENCY** should be terminated or continued, or upgraded to a more serious condition.

2.0 REFERENCES

2.1 Interface Documents

- [1] EPIP-1, 'Emergency Plan Classification Flowchart'
- [2] EPIP-5, "General Emergency"
- [3] EPIP-6, "Activation and Operation of the Technical Support Center"
- [4] EPIP-7, "Activation and Operation of the Operations Support Center"
- [5] EPIP-8, "Personnel Accountability and Evacuation"
- [6] EPIP-10, "Medical Emergency Response"
- [7] EPIP-11, "Security and Access Control"
- [8] EPIP-13, "Initial Dose Assessment for Radiological Emergencies"
- [9] EPIP-14, "Radiological Control Response"
- [10] EPIP-16, "Termination and Recovery"
- [11] CECC EPIP-9, "Emergency Environmental Radiological Monitoring Procedures"
- [12] 10 CFR 50.72 *Immediate Notification Requirements for Operating Nuclear Power Reactors*
- [13] NUREG 0654, FEMA-REP-1, Rev. 1, *Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.*
- [14] ANSI N18.7-1976
- [15] NRC INFORMATION NOTICE 2002-14
- [16] SPP-3.5 "Regulatory Reporting Requirements"
- [17] SPP-3.1 "Corrective Action Program"

3.0 INSTRUCTIONS

Date _____

NOTE Steps not required to be performed may be N/A'd.

Upon determining that existing conditions are classified as an SITE AREA EMERGENCY according to EPIP-1 (independent evaluations by crew members may be beneficial), the SED, or designee, will:

NOTE 1 IF ongoing onsite Security events may present risk to the emergency responders, THEN... CONSULT with Security to determine if site access is dangerous to the life and health of emergency responders.

NOTE 2 IF ongoing events makes site access dangerous to the life and health of emergency responders WHEN activating EPS... SELECT STAGING AREA button on the terminal INSTEAD of the EMERGENCY button. Offsite personnel will be directed to the Training Center CR 19 (LNC). Responders presently within the Protected Area will monitor Plant Announcements and report to the TSC or OSC as conditions permit.

1. **DIRECT** Shift Personnel to activate the Emergency Paging System (EPS) to staff the TSC and Operations Support Center (OSC). Shift Personnel should confirm activation and provide the 20 minute printed report to the SM for review. ☐
- A. IF the EPS system fails, call the ODS, ringdown or (5-751-1700) and have him activate the EPS.
- B. IF the above methods of activating the EPS fail, Shift Personnel must use the Radiological Emergency Response Call Lists to staff the TSC and OSC. This list is located in the EPS Manual near the terminal.
2. **INITIATE** Appendix A, Initial Notification Information. ☐

NOTE: ODS should be notified within 5 minutes after declaration of the event.

3. **NOTIFY** the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 **AND**

Initial/Time

PROVIDE the information from Appendix A.

IF the ODS cannot be contacted within 10 minutes, **THEN** the Tennessee Emergency Management Agency is to be notified of the Radiological Emergency Plan activation by calling:
9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400.

4. **ANNOUNCE** to the crew: "A Site Area Emergency is being declared based on _____. I will be the Site Emergency Director." ☐

3.0 INSTRUCTIONS (cont.)

Date _____

5. **FAX** Appendix A to the ODS. (# pre-programmed or 5-751-8620), or TEMA at 9-1-615-242-9635 . ☐

CAUTION If there is any possibility of a radiological release, A severe weather condition (such as a Tornado) or security adversary attack, **HOLD** assembly and accountability actions until these conditions have been resolved. Do not send personnel into areas of unknown radiological conditions or security risk without first contacting Radiological Control (RADCON) or Security.

6. **INITIATE** WBN EPIP-8, Personnel Accountability and Evacuation, Appendix D.

Initial/Time

7. **CALL** RADCON Lab and **SAY**: "We are in an Site Area Emergency, implement WBN EPIP-14 "Radiological Control Response" and CECC EPIP-9. " ☐
8. **IF** there are personnel injuries, **IMPLEMENT** WBN EPIP-10, "Medical Emergency Response. " ☐
9. Security and Access Control will be implemented through WBN EPIP-11, "Security and Access Control. " ☐
10. **NOTIFY** Duty Plant Management in accordance with SPP-3.5 and **PROVIDE** SAE Notification information. ☐
11. **EVALUATE** the need to implement EPIP-13, "Initial Dose Assessment for Radiological Emergencies," for a dose projection if radioactivity is being released through normal plant release paths . ☐
12. **RECEIVE** confirmation call from the ODS (to verify notification of the State of Tennessee) (NA this step, if the state was contacted directly) . ☐

NOTE NRC notification should be made as soon as practicable **but within one hour** of "SITE AREA EMERGENCY" declaration. Whenever NRC requests, a qualified person must provide a continuous update to NRC Operations Center.

13. **NOTIFY** the NRC, using designated NRC phone (ENS), of plan activation. The following commercial numbers are for the NRC Operations Center:
 9-1-301-816-5100 (MAIN)
 9-1-301-951-0550 (BACKUP)
 9-1-301-816-5151 (FAX)

Initial/Time

WBN	SITE AREA EMERGENCY	EPIP-4
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3.0 INSTRUCTIONS (cont.)

Date _____

14. **NOTIFY** the NRC Resident Inspector by calling 1776 and **PROVIDING** the information on Appendix A . ☐
15. Once Assembly and Accountability has been **COMPLETED**, review EPIP 8, for actions associated with the evacuation of non-emergency responders. **IF** this action has already been initiated, disregard . ☐
16. **REEVALUATE** conditions using WBN EPIP-1 as necessary . ☐
 - A. **IF** the conditions warrant upgrading to a higher classification, **INITIATE** the appropriate steps of WBN EPIP-5.
 - B. **IF** other plant conditions warrant the need for followup information, **COMPLETE** Appendix B, Site Area Emergency Followup Notification Form, and **NOTIFY** the TSC/CECC (if it is staffed) or,

NOTIFY the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 and **PROVIDE** the information.

IF the ODS cannot be contacted within 10 minutes, the Tennessee Emergency Management Agency is to be notified of the information by calling:
9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400
 - C. **IF** the conditions are under control, **INITIATE** actions identified in WBN EPIP-16, "Termination of the Emergency and Recovery."
 - D. **FAX** Appendix B to the ODS. (# pre-programmed or 5-751-8620), or TEMA at 9-1-615-242-9635.
17. **ENSURE** applicable notifications/actions required by SPP-3.5 and SPP-3.1 have been made . ☐
18. **SEND** the completed WBN EPIP-4 and associated documentation to the Emergency Preparedness (EP) Manager . ☐

WBN	SITE AREA EMERGENCY	EPIP-4
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4.0 RECORD RETENTION

4.1 Records of Classified Emergencies

The materials generated in support of key actions during an actual emergency classified as SITE AREA EMERGENCY are considered Lifetime retention Non-QA records. Materials shall be forwarded to the EP Manager who shall submit any records deemed necessary to demonstrate performance to the Corporate EP Manager for storage.

4.2 Drill and Exercise Records

The materials deemed necessary to demonstrate performance of key actions during drills are considered Non-QA records. These records shall be forwarded to the EP Manager who shall retain records deemed necessary to demonstrate six-year plan performance for six years. The EP Manager shall retain other records in this category for three years.

APPENDIX A
(Page 1 of 1)

TVA INITIAL NOTIFICATION FORM FOR SITE AREA EMERGENCY

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event

2. This is SED _____,

Watts Bar has declared a **SITE AREA EMERGENCY** affecting Unit 1

3. EAL Designator(s): _____

4. Brief Description of the Event: _____

5. Radiological Conditions: (Check one box under each Airborne AND Liquid column.)

Airborne Releases OffsiteLiquid Releases Offsite☐ Minor releases within federally approved limits¹☐ Minor releases within federally approved limits¹☐ Releases above federally approved limits¹☐ Releases above federally approved limits¹☐ Release information not known
(¹Tech Specs)☐ Release information not known
(¹Tech Specs)

6. Event Declared: Time: _____ Date: _____

7. Provide Protective Action Recommendation: ☐ None

8. Please repeat the information you have received to ensure accuracy.

9. Time and Date this information was provided _____/_____/_____

Action: When completed, telecopy this information.

APPENDIX B
(Page 1 of 1)

SITE AREA EMERGENCY FOLLOW-UP NOTIFICATION FORM

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event
2. There has been a **SITE AREA EMERGENCY** declared at Watts Bar affecting Unit 1.
This is a **FOLLOW-UP NOTIFICATION**.
3. Reactor Status: : ☐ Shut Down ☐ At Power ☐ Refueling ☐ N/A
4. Additional EAL Designators: _____
5. Significant Changes in Plant Conditions: _____

6. Significant Changes in Radiological Conditions: _____

7. Offsite Protective Action Recommendation:
☐ None - No Protective Actions at this time
8. Onsite Protective Actions: Assembly and Accountability ☐ No ☐ Initiated ☐ Completed
Site Evacuation ☐ No ☐ Initiated ☐ Completed
9. The Meteorological Conditions are: Wind Speed: _____ m.p.h.
(Use 46 meter data on the Met Tower) Wind Direction is from: _____ degrees
10. Event Terminated: Date/Time _____
11. Please repeat the information you have received to ensure accuracy.
12. FAX to ODS at 5-751-8620 or TEMA at 9-1-615-242-9635 or CECC Director at 5-751-1682 after completing the notification.

Completed by: _____, Date/Time _____

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-5

GENERAL EMERGENCY

Revision 27

Unit 0

PREPARED BY: James F. Hagy

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY: Frank L. Pavlechko

Effective Date: 03/31/2003

LEVEL OF USE: REFERENCE

NON-QUALITY RELATED

Revision History

Revision Number	Implementation Date	Pages Affected	Description of Revision
23	06/05/02	All 3, 5 & 7	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Non-intent change(s): added fax number to TEMA.
24	07/30/02	All 3, 5, 6, 8	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Intent Change. Revised caution statement on assembly and accountability. Added Step 16 on Evacuation of Non Emergency Responders. Added NRC IN 2002-14 to the references.
25	08/26/02	ALL	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Substantial format modification for standardization with BFN/SQN was implemented in this revision. Reformatted and re-paginated as necessary. Reordered actions to be consistent with EPIP's 2, 3, 4. Added Section 5.0, Illustrations and Appendices Section to the body of the procedure. EPIP-5 was revised to implement actions to support the NRC Security Order including identification of a staging area for the ERO outside the Protected Area. This is an intent revision. Non-Intent: Corrected phone number for Rhea County EMA
26	12/16/2002	2, 4, 6-8	Plan effectiveness determination reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to revise instruction references. Updated format for intersite consistency.
27	03/31/2003	2, 6, 9	Plan effectiveness determination reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Intent change to revise PAR to add evacuation sectors and Potassium Iodide recommendations. Enhanced offsite release information. Deleted duplicate steps which are in EPIP-8.

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WBN	GENERAL EMERGENCY	EPIP-5
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1.0 PURPOSE

1.1 To provide a method for timely notification of appropriate individuals when the Shift Manager (SM) or Technical Support Center (TSC) Site Emergency Director (SED) has determined by WBN EPIP-1 that an incident has occurred which is classified as an GENERAL EMERGENCY.

1.2 To provide the SED/SM a method for periodic reanalysis of current conditions to determine whether the GENERAL EMERGENCY should be terminated or continued, or upgraded to a more serious condition.

2.0 REFERENCES

2.1 Interface Documents

- [1] EPIP-1, "Emergency Plan Classification Flowchart"
- [2] EPIP-6, "Activation and Operation of the Technical Support Center"
- [3] EPIP-7, "Activation and Operation of the Operations Support Center"
- [4] EPIP-8, "Personnel Accountability and Evacuation"
- [5] EPIP-10, "Medical Emergency Response"
- [6] EPIP-11, "Security Access Control"
- [7] EPIP-13, "Initial Dose Assessment for Radiological Emergencies"
- [8] EPIP-14, "Radiological Control Response"
- [9] EPIP-16, "Termination and Recovery"
- [10] CECC EPIP-9, "Emergency Environmental Radiological Monitoring Procedures"
- [11] 10 CFR 50.72 *Immediate Notification Requirements for Operating Nuclear Power Reactors*
- [12] NUREG 0654, FEMA-REP-1, Rev. 1, *Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.*
- [13] ANSI N18.7-1976
- [14] NRC INFORMATION NOTICE 2002-14
- [15] SPP-3.5 "Regulatory Reporting Requirements"
- [16] SPP-3.1 "Corrective Action Program"
- [17] 10 CFR-20
- [18] EPA-400-R-92-001

3.0 INSTRUCTIONS

Date _____

NOTE Steps not required to be performed may be N/A'd.

Upon determining that existing conditions are classified as an **GENERAL EMERGENCY** according to EPIP-1 (independent evaluations by crew members may be beneficial), the SED, or designee, will:

NOTE 1 IF ongoing onsite Security events may present risk to the emergency responders, THEN... **CONSULT** with Security to determine if site access is dangerous to the life and health of emergency responders.

NOTE 2 IF ongoing events makes site access dangerous to the life and health of emergency responders **WHEN** activating EPS... **SELECT STAGING AREA** button on the terminal **INSTEAD** of the **EMERGENCY** button. Offsite personnel will be directed to the Training Center CR 19 (LNC). Responders presently within the Protected Area will monitor Plant Announcements and report to the TSC or OSC as conditions permit.

1. **DIRECT** Shift Personnel to activate the Emergency Paging System (EPS) to staff the TSC and Operations Support Center (OSC). Shift Personnel should confirm activation and provide the 20 minute printed report to the SM for review. ☐
 - A. **IF** the EPS system fails, call the ODS, ringdown or (5-751-1700) and have him activate the EPS.
 - B. **IF** the above methods of activating the EPS fail, Shift Personnel must use the Radiological Emergency Response Call Lists to staff the TSC and OSC. This list is located in the EPS Manual near the terminal.
2. **INITIATE** Appendix A and B, Initial Notification Information and Protective Action Recommendation. ☐

NOTE: ODS should be notified within **5 minutes** after declaration of the event.

3. **NOTIFY** the ODS direct by ODS Ringdown or 5-751-1700 or 5-751-2495 and **PROVIDE** the information from Appendices A and B.

Initial/Time

IF the ODS cannot be contacted within 10 minutes, then directly notify Rhea County, Meigs County, McMinn County, and the Tennessee Emergency Management Agency (TEMA) of the Classification.

OFFICE	PHONE	TIME
Rhea County EMA	9-775-2506	_____
Rhea County EMA (Alternate)	9-775-7828	_____
Meigs County EMA	9-1-423-334-3211	_____
Meigs County EMA (Alternate)	9-1-423-334-5268	_____
McMinn County EMA	9-1-423-744-2724	_____
McMinn County EMA (Alternate)	9-1-423-744-2721	_____
Tennessee EMA	9-1-800-262-3300	_____
Tennessee EMA (Alternate)	9-1-615-741-0001	_____
Tennessee EMA (Alternate)	9-1-800-262-3400	_____

3.0 INSTRUCTIONS (cont.)

Date _____

4. **ANNOUNCE** to the crew: "A General Emergency is being declared based on _____. I will be the Site Emergency Director. " ☐

5. **FAX** Appendix A to the ODS:

(# pre-programmed or 5-751-8620), or TEMA at 9-1-615-242-9635 . ☐

CAUTION If there is any possibility of a radiological release, A severe weather condition (such as a Tornado) or security adversary attack, **HOLD** assembly and accountability actions until these conditions have been resolved. Do not send personnel into areas of unknown radiological conditions or security risk without first contacting Radiological Control (RADCON) or Security.

6. **INITIATE** WBN EPIP-8, "Personnel Accountability and Evacuation" _____

Initial/Time

7. **CALL** RADCON Lab and **SAY**: "We are in an General Emergency, implement WBN EPIP-14 Radiological Control Response and CECC EPIP-9. " ☐

8. **IF** there are personnel injuries, **IMPLEMENT** WBN EPIP-10, "Medical Emergency Response. " ☐

9. Security and Access Control will be implemented through WBN EPIP-11, "Security and Access Control. " ☐

10. **NOTIFY** Duty Plant Management in accordance with SPP-3.5 and **PROVIDE** General Emergency Notification Information . ☐

11. **EVALUATE** the need to implement EPIP-13, "Initial Dose Assessment for Radiological Emergencies," for a dose projection if radioactivity is being released through normal plant release paths . ☐

12. **RECEIVE** confirmation call from the ODS (to verify notification of the State of Tennessee) (NA this step, if the state was contacted directly) . ☐

NOTE NRC notification should be made as soon as practicable **but within one hour** of "**GENERAL EMERGENCY**" declaration. Whenever NRC requests, a qualified person must provide a continuous update to NRC Operations Center.

13. **NOTIFY** the NRC, using designated NRC phone (ENS), of plan activation.

The following commercial numbers are for the NRC Operations Center:

9-1-301-816-5100 (MAIN)

9-1-301-951-0550 (BACKUP)

9-1-301-816-5151 (FAX)

Initial/Time

3.0 INSTRUCTIONS (cont.)

Date _____

14. **NOTIFY** the NRC Resident Inspector by calling 1776 and **PROVIDING** the information on Appendix A . ☐
15. Once Assembly and Accountability has been **COMPLETED**, review EPIP 8, for actions associated with the evacuation of non-emergency responders. **IF** this action has already been initiated, disregard ☐
16. **REEVALUATE** conditions using WBN EPIP-1 as necessary . ☐
- A. **IF** other plant conditions warrant the need for followup information, **COMPLETE** Appendix C, General Emergency Followup Notification Form, and **NOTIFY** the TSC/CECC (if it is staffed) or,
- NOTIFY** the ODS direct by ODS Ringdown or
- No. 5-751-1700 or 5-751-2495 and **PROVIDE** the information. **IF** the ODS cannot be contacted within 10 minutes, the Tennessee Emergency Management Agency is to be notified of the information by calling: 9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400
- B. **IF** the conditions are under control, **INITIATE** actions identified in WBN EPIP-16, Termination of the Emergency and Recovery.
- C.. **FAX** Appendix C to the ODS. (# pre-programmed or 5-751-8620), or TEMA at 9-1-615-242-9635.
17. **ENSURE** applicable notifications/actions required by SPP-3.5 and SPP-3.1 have been made . ☐
18. **SEND** the completed WBN EPIP-5 and associated documentation to the Emergency Preparedness (EP) Manager . ☐

4.0 RECORD RETENTION**4.1 Records of Classified Emergencies**

The materials generated in support of key actions during an actual emergency classified as **SITE AREA EMERGENCY** are considered Lifetime retention Non-QA records. Materials shall be forwarded to the EP Manager who shall submit any records deemed necessary to demonstrate performance to the Corporate EP Manager for storage.

4.2 Drill and Exercise Records

The materials deemed necessary to demonstrate performance of key actions during drills are considered Non-QA records. These records shall be forwarded to the EP Manager who shall retain records deemed necessary to demonstrate six-year plan performance for six years. The EP Manager shall retain other records in this category for three years.

APPENDIX A
(Page 1 of 1)

TVA INITIAL NOTIFICATION FORM FOR GENERAL EMERGENCY

- 1.
- ☐
- This is a Drill
- ☐
- This is an Actual Event - Repeat - This is an Actual Event

2. This is _____.

Watts Bar has declared a **GENERAL EMERGENCY** affecting Unit 1

3. EAL Designator(s): _____

4. Brief Description of the Event: _____

5. Radiological Conditions: (Check one under both Airborne and Liquid column.)

Airborne Releases Offsite

- ☐ Minor releases within federally approved limits¹
☐ Releases above federally approved limits¹
☐ Release information not known
 (¹Tech Specs)

Liquid Releases Offsite

- ☐ Minor releases within federally approved limits¹
☐ Releases above federally approved limits¹
☐ Release information not known
 (¹Tech Specs)

6. Event Declared: Time: _____ Date: _____

7. The Meteorological Conditions are: (Use 46 meter data from the Met Tower)

Wind Direction is FROM: _____ degrees Wind Speed: _____ m.p.h

8. Provide Protective Action Recommendation: (Check either 1 or 2, and mark wind direction.)

<input type="checkbox"/> Recommendation 1	WIND FROM 0 (Mark)	<input type="checkbox"/> Recommendation 2
➔EVACUATE LISTED SECTORS (2 mile Radius and 10 miles downwind) ➔SHELTER all other non-listed sectors ➔CONSIDER issuance of POTASSIUM IODIDE in accordance with the State Plan.		➔EVACUATE LISTED SECTORS (2 mile radius and 5 mile downwind) ➔SHELTER all other non-listed sectors ➔CONSIDER issuance of POTASSIUM IODIDE in accordance with the State Plan
A-1, B-1, C-1, D-1, C-7, -9, D-2, -4, -5, -6, -7, -8, -9	26-68	A-1, B-1, C-1, D-1, C-7, D-2, -4, -5
A-1, B-1, C-1, D-1, A-3, -4, D-2, -3, -4, -5, -6, -7, -8, -9	69-110	A-1, B-1, C-1, D-1, A-3, D-2, -4, -5
A-1, B-1, C-1, D-1, A-2, -3, -4, -5, -6, -7, D-2, -3, -5, -6	111-170	A-1, B-1, C-1, D-1, A-2, -3, D-2, -5
A-1, B-1, C-1, D-1, A-2, -3, -5, -6, -7, B-2, -3, -4, -5, C-2	171-230	A-1, B-1, C-1, D-1, A-2, -3, B-2, -4, C-2
A-1, B-1, C-1, D-1, B-2, -3, -4, -5, C-2, -3,	231-270	A-1, B-1, C-1, D-1, B-2, -4, C-2
A-1, B-1, C-1, D-1, B-2, -3, C-2, -3, -4, -5, -6, -11	271-325	A-1, B-1, C-1, D-1, B-2, C-2, -4, -5,
A-1, B-1, C-1, D-1, C-2, -4, -5, -6, -7, -8, -9, -10, -11, D-4, -9	326-25	A-1, B-1, C-1, D-1, C-2, -4, -5, -7, -8, D-4

9. Please repeat the information you have received to ensure accuracy.

10. Time and Date this information was provided _____ / _____
Action: When completed, telecopy this information.

APPENDIX B

(Page 1 of 1)

PROTECTIVE ACTION RECOMMENDATION

NOTE If conditions are unknown utilizing the flowchart, then answer NO.

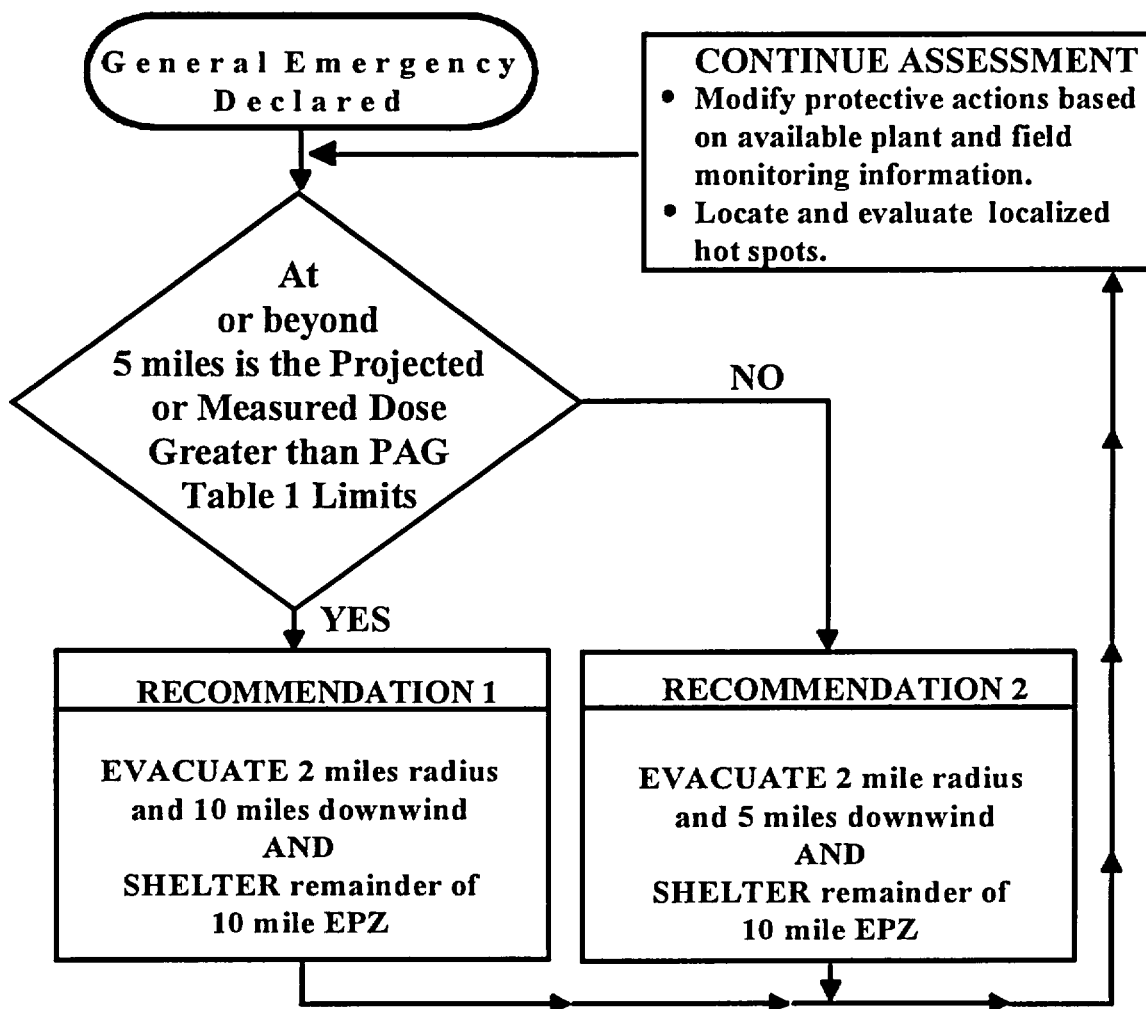


TABLE 1 Protective Action Guides	
TYPE	LIMIT
Measured	3.9E-6 microCi/cc of Iodine 131 or 1 REM/hr External Dose
Projected	1 REM TEDE or 5 REM Thyroid CDE

APPENDIX C
(Page 1 of 1)

GENERAL EMERGENCY FOLLOW-UP NOTIFICATION FORM

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event
2. There has been a **GENERAL EMERGENCY** declared at Watts Bar affecting Unit 1.
This is a **FOLLOW-UP NOTIFICATION**.
3. Reactor Status: ☐ Shut Down ☐ At Power ☐ Refueling ☐ N/A
4. Additional EAL Designators: _____
5. Significant Changes in Plant Conditions: _____

6. Significant Changes in Radiological Conditions: _____

7. Offsite Protective Action Recommendation:
☐ Recommendation 1 - Evacuate 2 mile radius and 10 miles downwind and
shelter remainder of 10 mile EPZ.
☐ Recommendation 2 - Evacuate 2 mile radius and 5 miles downwind and
shelter remainder of 10 mile EPZ.
8. Onsite Protective Actions: Assembly and Accountability ☐ No ☐ Initiated ☐ Completed
Site Evacuation ☐ No ☐ Initiated ☐ Completed
9. The Meteorological Conditions are: Wind Speed: _____ m.p.h.
(Use 46 meter data on the Met Tower) Wind Direction is from: _____ degrees
10. Event Terminated: Date/Time _____
11. Please repeat the information you have received to ensure accuracy.
12. FAX to ODS at 5-751-8620 or TEMA at 9-1-615-242-9635 or CECC Director at
5-751-1682 after completing the notification.

Completed by: _____, Date/Time _____

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-6

**ACTIVATION AND OPERATION OF THE
TECHNICAL SUPPORT CENTER (TSC)**

Revision 24

Unit 0

PREPARED BY: James F. Hagy

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY: Frank L. Pavlechko

Effective Date: 03/31/2003

LEVEL OF USE: REFERENCE

NON-QUALITY RELATED

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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REVISION LOG

Revision Number	Implementation Date	Pages Affected	Description of Revision
19	9/25/01	All Page 10, 20, 35, 43 & 44	Plan effectiveness determinations revisions indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Intent change. Procedure revised to Non-Quality related per requirements of NQAP & pending revision to SPP-2.2. The coversheet and records section of the procedure was revised to reflect this change. Non-Intent change. Addressed fatigue issues for the ERO on App C and App M. Resolved Security personnel evacuation problem identified in PER 01-013997-000.
20	01/24/02	All pg 3, 64, 70	Plan effectiveness determinations revisions indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change. Revised Appendix X to include upstream dam for PER 01-016578-000. Revised Appendix BB to include listing position or role. This is to enhance tracking of data for NEI, PI on participation.
21	06/05/02	All 3, 18, 24, 29 & 61	Plan effectiveness determinations on these changes indicate the following revisions do not reduce the level of effectiveness of the procedure or REP. Non-intent change(s): Clarified in App.B that the Site VP can assume the duties of the SED as necessary. Corrected typo in App. C and removed the reference to the 3 and 4 PARs. Added an operational responsibility to the TAM in App.E. to coordinate WOG-99-064 (ERG) activities with the TAT Team. Added WOG-99-064 to the App.V reference list.
22	12/16/2002	All	Plan effectiveness determination reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to revise instruction references. Updated format for intersite consistency. Deleted source notes. Added table of contents. Revised section numbering.
23	01/21/2003	2, 60	Plan effectiveness determination reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to add loss of offsite power to App. X, for WBPEN 03-00695-000.
24	03/31/2003	2, 4, 45, 65	Plan effectiveness determination reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to reflect training provided for Clerical Staff. Editorial corrections. Added overtime restriction check to Appendix AA.

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1.0 PURPOSE

The purpose of this Procedure is to describe activation of Technical Support Center (TSC), describe the TSC organization, and provide for TSC operation once it has been staffed.

2.0 REFERENCES

2.1 Source Documents:

1. Tennessee Valley Authority Nuclear Power Radiological Emergency Plan (REP)
2. SPP-1.2, Fitness For Duty
3. SPP-1.5, Overtime Restrictions (Regulatory)
4. Memo from J. B. Hosmer to R. J. Johnson dated 1/15/88, RIMS No. B25 88011 5028
5. NUREG 0654, FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in support of Nuclear Power Plants
6. NUREG 0696, Functional Criteria for Emergency Response Facilities, Final Report
7. ANSI Standard N 18.7-1976
8. CFR 20, Standards for Protection From Radiation
9. EPA 400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents
10. NRC Generic Letter 96-06, Assurance of Equipment Operability and Containment Integrity During Design Basis Accident Condition
11. Response Technical Manual (RTM) 96 Vol. 1 Rev. 4.

2.2 Interface Documents

1. EPIP-1 Emergency Plan Classification Flowchart
2. EPIP-2 Notification of Unusual Event
3. EPIP-3 Alert
4. EPIP-4 Site Area Emergency
5. EPIP-5 General Emergency
6. EPIP-7 Activation and Operation of the Operations Support Center
7. EPIP-8 Personnel Accountability and Evacuation
8. EPIP-11 Security and Access Control
9. EPIP-16 Termination of the Emergency and Recovery
10. EPIP-15 Emergency Exposure Guidelines
11. EPIP-13 Initial Dose Assessment for Radiological Emergencies
12. CECC-EPIP-9 Emergency Environmental Radiological Monitoring Procedures
13. WBN, FSAR
14. SOI-30.06 Auxiliary Building Gas Treatment System (ABGTS)
15. SOI-67.01 Essential Raw Cooling Water System
16. Chemistry Manual, Chapter 13 (PASS)
17. ICS User's Manual
18. Watts Bar Nuclear Plant, Plant Lighting, N3-228-4003
19. SOI-14.03, Condensate Demineralizer Waste Disposal

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3.0 INSTRUCTIONS

3.1 General

The Shift Manager (SM), upon detection of an emergency condition, becomes the Site Emergency Director (SED), classifies the emergency, and declares the event. Upon arrival of the Plant Manager, or alternate defined in the Emergency Response Organization Call List, the SM will be relieved of the SED duties. The SED activates and operates the TSC (Appendix A) and oversees the operations of the Operations Support Center (OSC).

NOTE: In the event of plant inaccessibility, all references to the TSC (or OSC) are intended to refer to the alternate location selected for staffing, such as the staging area in Classroom 19 of the Watts Bar Training Center.

The TSC will provide the following functions:

- A. Provide plant management and technical support to plant Operations personnel during emergency conditions.
- B. Perform CECC functions for the Alert Emergency class, the Site Area Emergency class, and General Emergency class until the CECC is functional.
- C. Help the reactor operators determine the plant safety status.
- D. Relieve the reactor operators of peripheral duties and communications not directly related to reactor system manipulations
- E. Prevent congestion in the control room.
- F. Provide assistance to the operators by technical personnel who have comprehensive plant data at their disposal.
- G. Provide a coordinated emergency response by both technical and management personnel.

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3.0 INSTRUCTIONS

3.1 General (continued)

- H. Provide reliable communications between onsite and offsite emergency response personnel.
- I. Provide a focal point for development of recommendations for offsite actions.
- J. Provide relevant plant data to the NRC for its analysis of abnormal plant operating conditions.

3.2 Initiating Conditions

This procedure shall be activated if an emergency has been declared and classified as ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY.

This procedure may be activated at any other time at the discretion of the SED.

3.3 Activation of the TSC

3.3.1 The SED will activate the TSC and announce the emergency condition by one or more of the following methods depending on time of day, etc:

- A. Plant public address announcement.

NOTE: The Radiological Emergency Response Organization Call List is handled in accordance with the Fitness for Duty, (SPP-1.2).

- B. Shift personnel will normally activate the Emergency Paging System (EPS) or contact the persons designated on the Emergency Response Organization Call List.
- C. TSC personnel can also contact additional responders/replacements by phone using the Emergency Response Organization Call List available in the TSC and Appendix AA
- D. Target activation time for Minimum TSC staffing is approximately 60 minutes.

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3.0 INSTRUCTIONS (continued)

3.3.2 Emergency Response Organization Call List

The Site Emergency Preparedness (EP) Manager shall:

1. MAINTAIN an Emergency Response Call List listing all TSC (and other emergency) personnel by organizational title, name, home and work telephone numbers, and pager numbers.
2. UPDATE the Emergency Response Organization Call List quarterly with input by the appropriate organizations. Current copies of the list will be maintained in the TSC, OSC, Main Control Room, SM Office, and Nuclear Security. Each page will be dated for revision control.

NOTE: All TSC responders shall have unescorted protected area access and shall comply with fitness-for-duty policies while on-call.

3.3.3 Depending on the emergency conditions, personnel required for the TSC may vary. Listed below is the minimum staff required:

- Site Emergency Director
- Operations Manager or Operations Communicator
- Technical Assessment Manager (TAM) or Technical Assessment Team Leader or TAT Team (Thermal Hydraulics, Mechanical, and Electrical) Members
- RADCON Manager

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3.0 INSTRUCTIONS (continued)

3.3.4 In addition, the following personnel should report to the TSC, or assigned TSC support location, upon announcement of an ALERT or higher emergency or at the direction of the SED:

- Site Vice President (optional)
- Operations Manager
- Operations Communicator
- TSC Maintenance Manager
- Control Room Communicator (report to Control Room)
- Nuclear Security Manager (can initially be the Nuclear Security Shift Supervisor)
- Technical Assessment Team
- Chemistry Manager
- NRC Coordinator
- Emergency Preparedness Manager
- Media Relations Specialist (optional)
- Westinghouse Representative
- TSC Boardwriters
- Clerical Staff
- Emergency Response Team Boardwriter

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3.0 INSTRUCTIONS (continued)

3.4 Required Actions For Activation and Operation of the TSC

- 3.4.1 TSC staff actions and responsibilities are described in their checklists (Appendices B-Q).
- 3.4.2 TSC responders will complete all of the applicable steps contained in the appropriate Appendix/Checklist for their position.
- 3.4.3 The Site Emergency Director or designee shall declare the TSC activated and inform the SM of the final transfer of responsibilities. A formal activation announcement shall be made plant wide to indicate the transfer of responsibility from the SM to the TSC SED.

3.5 Contingencies

- 3.5.1 If there is a loss of onsite to offsite telephone communications, cellular phone, radios or the satellite phone described in SOI-100.01 will be used.
- 3.5.2 If the TSC becomes uninhabitable, the SED will relocate the TSC to an alternate location based on RADCON/OPERATIONS advice.
- 3.5.3 Plant procedures should be followed whenever possible. Should a situation arise where normal procedures would be inappropriate, action will be performed as determined by the SED.

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3.0 INSTRUCTIONS (continued)

3.6 Long-Term Operation

- 3.6.1 Long-term operation will be put into effect during emergencies which are projected to exist for more than 12 hours.
- 3.6.2 The SED will notify the Central Emergency Control Center (CECC) of the decision to begin long-term operation.
- 3.6.3 Meals and arrangements for sleeping facilities will be made at the request of the SED. These arrangements may be made by the CECC.
- 3.6.4 Additional personnel will be called in at the request of the SED to provide coverage or to ensure 12-hour or shorter shifts in the TSC. The SED will coordinate these call-ins with Nuclear Security to facilitate site access.
- 3.6.5 The SED, through the OSC Manager, will establish 12-hour (or shorter) shifts for craft personnel onsite and call in additional personnel as necessary.

3.7 Termination and Deactivation

- 3.7.1 **REFER TO EPIP-16, "Termination of the Emergency and Recovery,"** for activities associated with terminating emergencies, TSC deactivation, and post-accident recovery.
- 3.7.2 All equipment, supplies, and procedures will be replenished in the TSC following a drill, exercise or emergency by applicable groups as assigned in WBN, EPIP-12.

4.0 RECORDS

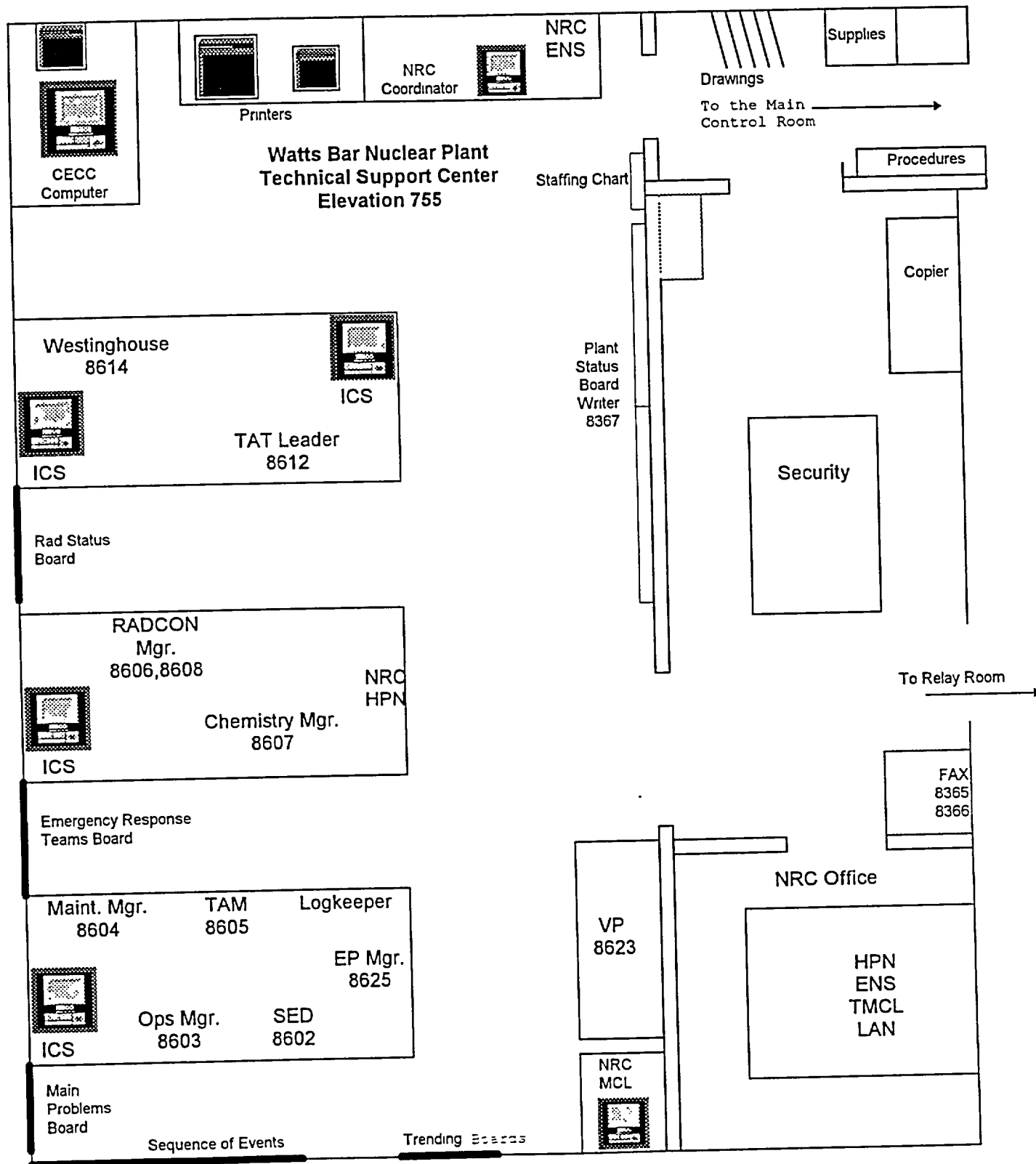
4.1 Records of Classified Emergencies

The materials generated in support of key actions during an actual emergency classified as NOUE are considered Lifetime retention Non-QA records. Materials shall be forwarded to the EP Manager who shall submit any records deemed necessary to demonstrate performance to the Corporate EP Manager for storage.

4.2 Drill and Exercise Records

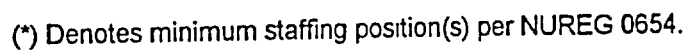
The materials deemed necessary to demonstrate performance of key actions during drills are considered Non-QA records. These records shall be forwarded to the EP Manager who shall retain records deemed necessary to demonstrate six-year plan performance for six years. The EP Manager shall retain other records in this category for three years.

APPENDIX A
TSC Facility Layout Diagram
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WBN EMERGENCY RESPONSE ORGANIZATION



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APPENDIX B SITE VICE PRESIDENT

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Initial Activation of the Technical Support Center Checklist

Date: _____
Inits/Time

- ___/___ ENTER badge into the TSC Accountability Card Reader.
- ___/___ SIGN IN on the Organizational/Staffing Chart and **PUT ON** position badge.
- ___/___ NOTIFY SED of arrival.
- ___/___ ESTABLISH a log of communications/events.
- ___/___ ESTABLISH contact with the Media Relations Specialist.
- ___/___ ESTABLISH contact with the CECC Director.
- ___/___ CHECK the status of emergency actions already in progress.
(Such as accountability, site evacuation or press inquiries.)

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APPENDIX B
SITE VICE PRESIDENT

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Operational Responsibilities List

- Provides TVA policy direction to the Site Emergency director (SED) and can assume the duties of the SED as necessary.
- Provides support to other emergency centers as necessary.
- Serves as the primary site representative to function as a TVA Spokesperson in the Local News Center (LNC) at the WBN Training Center (if activated).
- Directs the site resources to support the SED in the accident mitigation activities.
- Provides direct interface on overall site response activities with NRC, FEMA, other Federal organizations, the CECC Director, and onsite media.
- Provides interfaces/briefings (as needed) at offsite locations on the overall site response activities with Federal, State and Local agencies.

APPENDIX C
SITE EMERGENCY DIRECTOR

Page 1 of 7

Initial Activation of the Technical Support Center ChecklistDate: _____
Inits/Time

- ___/___ **OBTAIN** turnover briefing from SM/SED. Pages 5, 6 and 7 of Appendix C, SED Turnover Data Sheet may be used as a guide.
- ___/___ **REPORT** to the TSC **and ENTER** badge into the TSC Accountability Card Reader.
- ___/___ **SIGN IN** on the staffing chart **and PUT ON** position badge.
- ___/___ **ESTABLISH** log of communications/events.
- ___/___ **ESTABLISH** initial contact with the CECC Director.
- ___/___ **CHECK** the status of emergency actions already in effect such as emergency notifications (NRC, State, etc.) and accountability or site evacuation.
- ___/___ **REQUEST** checklist completion status for required positions:
- ☐ Site Emergency Director
 - ☐ Operations Manager or Operations Communicator
 - ☐ TAM or TAT Leader or TAT Team (Thermal Hydraulics, Mechanical, and Electrical) members
 - ☐ RADCON Manager
- ___/___ **CONFIRM** TSC staffed and Operational.
- ___/___ **ASSUME** role of SED from SM (confirmatory phone call to the SM).

APPENDIX C SITE EMERGENCY DIRECTOR

Page 2 of 7

Initial TSC Activation Checklist (continued)

___/___

INFORM the CECC Director and OSC Manager that TSC is operational and that you have assumed responsibility of the SED and provide initial briefing.

___/___

MAKE a general plant-wide announcement regarding plant condition similar to the following:

1. ACCESS the Public Address System by dialing 487.
2. COVER the following points as a minimum:
 - a. "ATTENTION ALL SITE PERSONNEL. ATTENTION ALL SITE PERSONNEL."
 - b. ☐ "This is a drill, this is a drill." OR
 - c. ☐ "This is a real emergency. This is a real emergency."
 - d. This is _____ (name) Site Emergency Director. The TSC was activated at _____ hours. Due to _____ we have classified a _____ (NOUE, Alert, Site Area Emergency, General Emergency). Plant protective actions which we are implementing include: (Evacuations, assembly and accountability, etc.) _____
 - e. Radiological release points: _____
 - f. Our plan of action at this time is to _____
 - g. The OSC (is, is not) activated. All emergency response teams will be dispatched from the OSC.
 - h. Any emergency response personnel who are fatigue and feel they can not perform their assigned duties, should notify the EP Manager in the TSC and the OCS Manager in the OSC.
 - i. ☐ "This is a drill, this is a drill." OR
☐ "This is a real emergency. This is a real emergency."

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APPENDIX C SITE EMERGENCY DIRECTOR

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Operational Responsibilities

- Determines the emergency classification and periodically reevaluates the classification. Changes to the classification will be reported to the CECC Director and the NRC. THE CLASSIFICATION OF THE EVENT CANNOT BE DELEGATED. (See EPIP-1)
- Approves or authorizes emergency doses that may exceed applicable NRC dose limits. THIS RESPONSIBILITY CANNOT BE DELEGATED. (See EPIP-15)
- Prior to the CECC being staffed, makes recommendations for protective actions to State and Local agencies through the Operations Duty Specialist. THIS RESPONSIBILITY CANNOT BE DELEGATED EXCEPT TO THE CECC DIRECTOR. Use Appendix U, Protective Action Recommendation Guidance Flowchart as a guide. (See EPIP-5)
- Directs onsite emergency accident mitigation activities and periodically briefs the TSC/OSC staff on the current plant situation.
- Ensures that general plant population is periodically briefed on the emergency conditions.
- Periodically reviews priority of work operations of the OSC with the OSC Manager. (See EPIP-7)
- Directs activities of onsite emergency organizations.
- Consults with the CECC Director and Site VP on important decisions. Use the CECC Ring-down Line to the CECC Director.

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APPENDIX C SITE EMERGENCY DIRECTOR

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Operational Responsibilities (continued)

- Coordinates emergency actions with onsite NRC.
- Initiates onsite protective actions (See EPIP-8)
- Verifies the administration of Potassium Iodine (KI) to TVA personnel based on RADCON Manager's advice/direction. (See EPIP-14)
- Establishes a RADCON checkpoint for site evacuation if conditions warrant. (See EPIP-8 and EPIP-14)
- Initiates long-term 24 Hour/day operation.
- Assumes responsibilities for the Severe Accident Management, when directed by the Main Control Room and the TSC is functional and the SAMG Evaluators are monitoring "TSC Diagnostic Flow Chart" (DFC). The TSC must have three SAMG Evaluators monitoring SAMGs to assume the accident responsibility.
- Evaluates conditions and determines if emergency procedures should be implemented.
 - a. Emergency Environmental Radiological Monitoring Procedures CECC-EPIP-9
 - b. Medical Emergency Response EPIP-10
 - c. Security Threat Physical Security Plan
 - d. Personnel Accountability and Evacuation EPIP-8
 - e. Initial Dose Assessment for Radiological Emergencies EPIP-13

DEACTIVATION RESPONSIBILITIES

Refer to EPIP-16.

APPENDIX C
SITE EMERGENCY DIRECTOR

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SED Turnover Datasheet

1. Current Emergency Classification:

UE ☐ ALERT ☐ SAE ☐ GE ☐

Time/Date Declared ____/____

2. Event Description: _____

3. Equipment Problems: _____

4. Site Radiological Problems _____

5. Rad Release: Yes ☐ No ☐
 Filtered ☐ Unfiltered ☐
 Monitored ☐ Unmonitored ☐
 Controlled ☐ Uncontrolled ☐
 Projected Duration ____/____ (hrs./min.)

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APPENDIX C
SITE EMERGENCY DIRECTOR

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SED TURNOVER DATASHEET (continued)

Wind Speed _____ mph Wind Direction FROM _____

Projected Whole Body Dose _____ mrem \cong _____ miles

Projected Thyroid Dose _____ mrem \cong _____ miles

6. Protective Action Recommendations to Offsite Officials (use PAR Flowchart in App. U).

None ☐ 1 ☐ 2 ☐

7. Onsite Protective Actions Taken: _____

☐ SITE EVACUATION ☐ ACCOUNTABILITY ☐ SPECIFIC AREA EVACUATIONS

8. Field Monitoring Vans Activated: Yes ☐ No ☐

9. SM/SED Notifications Made:

Time ODS notified: _____ (State and other notifications)

Time NRC Notified _____

10. Injured or contaminated persons status: _____

- ☐ Rhea County Medical Center
- ☐ Athens Regional Medical Center

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APPENDIX C
SITE EMERGENCY DIRECTOR

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SED TURNOVER DATASHEET (continued)

11. Status of personnel in the field:

NAME

LOCATION

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

12. SED Responsibility Transferred:

- ☐ Physically in the TSC
- ☐ TSC has minimum staffing
- ☐ Call SM to see if conditions have changed.
- ☐ Declares over the telephone, "The TSC is staffed and activated. This is _____ and I am now assuming the role of Site Emergency Director."

From: _____ to _____
SM TSC/SED

Time: _____ Date: _____

APPENDIX D
OPERATIONS MANAGER

Page 1 of 2

Initial Activation of The Technical Support Center Checklist

Date: _____

Inits/Time

___/___

ENTER badge into the TSC Accountability Card Reader.

___/___

SIGN IN on the Organizational/Staffing Chart and **PUT ON** position badge.

___/___

ESTABLISH log of communications/events

___/___

ESTABLISH contact with the OSC Operations Advisor and the CR Communicator in the MCR.

___/___

CHECK the status of onsite emergency actions already in effect such as Accountability or Evacuations.

___/___

REPORT the status of inplant field activities (operations, repair, radiological, etc.) received from the OSC Operations Advisor, Maintenance Manager or SM.

___/___

VERIFY that notification of the NRC has been accomplished and inform SED and NRC Coordinator.

___/___

DESIGNATES a person knowledgeable of the event to establish and maintain communications with the NRC via the phone as needed. This will be the NRC Coordinator when present. **NOTIFY** the SM that responsibility for NRC contact has been transferred to the TSC.

___/___

PROVIDE this completed checklist to the SED or EP Manager.

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APPENDIX D OPERATIONS MANAGER

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Operational Responsibilities

- Directs operational activities.
- Informs the SED of plant status and operational problems.
- Recommends solutions and mitigating action for operational problems.
- Designates a SRO for the Technical Assessment Team, as needed.
- Provides advice regarding Technical Specifications, system response, safety limits, etc.
- Periodically reviews the emergency status with the control room. Reviews trended parameters, time history information, and status boards with the Control Room staff.
- Ensures that the Control Room is aware of TSC accident assessments and OSC repair and response activities and priorities.
- Ensures that adequate Operations staffing is currently in the Main Control Room and that oncoming control room staffing requirements are being met for the following positions (Appendix AA, Emergency Responder Notification Form, may be used to document):
 - ☐ Shift Manager
 - ☐ Unit Supervisor
 - ☐ Station Technical Advisor
 - ☐ 2 Reactor Operators
 - ☐ 5 AUOs (minimum tech specs staffing)

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APPENDIX E TECHNICAL ASSESSMENT MANAGER

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Initial Activation of The Technical Support Center Checklist

Date: _____

Initis/Time

- ___/___ ENTER badge into the TSC Accountability Badge Reader.
- ___/___ SIGN IN on the Organizational/Staffing Chart and **PUT ON** position badge.
- ___/___ ESTABLISH log of communications/events.
- ___/___ CHECK the status of emergency actions already in effect such as Accountability or Site Evacuation or Response Teams in the Plant.
- ___/___ PROVIDE this completed checklist to the SED or EP Manager.

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APPENDIX E TECHNICAL ASSESSMENT MANAGER

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Operational Responsibilities

- Designates Technical Assessment Team Leader (if necessary).
- Directs activities of the Technical Assessment Team.
- Directs onsite effluent assessment.
- Projects future plant status based on present plant conditions.
- Keeps assessment team informed of plant status.
- Provides information, evaluations, and projections to the SED.
- Coordinates assessment activities with the CECC Plant Assessment team.
- Establishes and maintains a status of significant plant problems.
- If ICS is not operable, ensures information on Appendices R, S and T is sent to the CECC to be used in the predictive release rate model.
- Coordinate with the Chemistry Manager to initiate a Post-Accident Sample (PASS) as needed for assessment of the containment atmosphere and/or fuel damage.
- Provides for trending of significant parameters.
- Coordinate support activities performed by the TAT Team in association with WOG-99-064 Emergency Response Guidelines (ERGs) Background Information.
- Assumes SAMG responsibilities, when directed by the SED. The TSC must be functional and 3 SAMG Evaluators must be monitoring the "TSC Diagnostic Flow Chart" (DFC) to assume SAMG responsibilities.

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APPENDIX F MAINTENANCE MANAGER

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Initial Activation of The Technical Support Center Checklist

Date: _____

Initis/Time

- ___/___ **ENTER** badge into the TSC Accountability Badge Reader.
- ___/___ **SIGN IN** on the Organizational/Staffing Chart and **PUT ON** position badge.
- ___/___ **ESTABLISH** log of communications/events.
- ___/___ **ESTABLISH** contact with the OSC Manager and Asst. OSC Manager.
- ___/___ **CHECK** the status of emergency actions already in effect
such as Accountability or Site Evacuation.
- ___/___ **CHECK** status of deployed emergency response teams (Operations,
Maintenance, Medical Emergency Response Teams, etc.)
- ___/___ **PROVIDE** this completed checklist to the SED or EP Manager.

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APPENDIX F MAINTENANCE MANAGER

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Operational Responsibilities

- Coordinates emergency response team assignment activities with the SED and the OSC.
- Maintains cognizance of deployed OSC teams purpose and status.
- Assists the SED and the OSC Manager in determining the relative priorities of maintenance/repair activities.
- Ensures that damage assessment and repair priorities are coordinated with the OSC.
- Maintains the Emergency Response Teams tracking board in the TSC.

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APPENDIX G OPERATIONS COMMUNICATOR

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Initial Activation of The Technical Support Center Checklist

Date: _____

Initis/Time

- ___/___ **ENTER** badge into the TSC Accountability Badge Reader.
- ___/___ **SIGN IN** on the Organizational/Staffing Chart and **PUT ON** position badge.
- ___/___ **OBTAIN** headset and dial 4101.
- ___/___ **CHECK** operability of the Integrated Computer System (ICS) system.
- ___/___ **PROVIDE** this completed checklist to the SED or EP Manager.

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APPENDIX G OPERATIONS COMMUNICATOR

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Operational Responsibilities

- Provides operational knowledge as needed to status evaluations of plant systems.
- Provides advise to the Operations Manager regarding Technical Specifications, Systems Response, and safety limits.
- Assist Operations Manager in development of operations recommendations to problems.
- Monitors the Control Room Communicator Party line.
- Operates TSC ICS to obtain plant status and parameters.
- Provides information from the Control Room to the Technical Support Center personnel.
- Completes portions of plant parameter data sheets (Appendices R and S) as needed.
- Monitors plant status boards.
- Obtains supplemental data as needed by the TSC, OSC, or CECC.
- Makes inquiries to the Control Room Communicator to obtain specific information as necessary.
- Maintains the "Sequence of Events" board and "Main Problems" board.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX H NUCLEAR SECURITY MANAGER

Page 1 of 2

Initial Activation of The Technical Support Center Checklist

Date: _____

Initis/Time

- ___/___ **ENTER** badge into the TSC Accountability Badge Reader.
- ___/___ **SIGN IN** on the Organizational/Staffing Chart and **PUT ON** position badge.
- ___/___ **NOTIFY** SED of arrival.
- ___/___ **ESTABLISH** log of communications/events.
- ___/___ **ESTABLISH** contact with the Central Alarm Station (CAS) and the Secondary Alarm Station (SAS).
- ___/___ **CHECK** the status of emergency actions already in effect such as Accountability, Site Evacuation or site being closed to visitors.
- ___/___ **PROVIDE** this completed checklist to the SED or EP Manager.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX H NUCLEAR SECURITY MANAGER

Page 2 of 2

Operational Responsibilities

- Directs activities of Nuclear Security personnel and mobilizes additional personnel as needed.
- Reports on site accountability/evacuation as defined in EPIP-8.
- Assists in establishing search teams, as required. (EPIP-8)
- Provides status updates to Nuclear Security personnel.
- Reports status of Security related events to the SED.
- Remain cognizant of Plant Radiological Conditions and report location(s) of Security Personnel/Patrols (as needed) to the RADCON Manager and the SED.
- Controls access to the site and the Main Control Room.
- Advises incoming emergency response personnel at the gate house of any radiological, security, or environmental hazards enroute to the TSC/OSC.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX I RADCON MANAGER

Page 1 of 2

Initial Activation of The Technical Support Center Checklist

Date: _____

Initis/Time

- ___/___ **ENTER** badge into the TSC Accountability Card Reader.
- ___/___ **SIGN IN** on the Organizational/Staffing Chart and **PUT ON** position badge.
- ___/___ **NOTIFY** SED of arrival.
- ___/___ **ESTABLISH** log of communications/events.
- ___/___ **ESTABLISH** contact with the OSC RADCON Supervisor, the
plant monitoring van (if dispatched), and the CECC
Radiological Assessment Coordinator (RAC).
- ___/___ **CONTROL** eating and drinking in the TSC until habitability has been
established.
- ___/___ **CHECK** the status of offsite/onsite radiological conditions and emergency
actions already in effect such as Accountability or Site Evacuation.
- ___/___ **PROVIDE** this completed checklist to the SED or EP Manager.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX I RADCON MANAGER

Page 2 of 2

Operational Responsibilities

- Directs onsite Radcon activities.
- IF the CECC is not staffed, utilize WBN, EPIP-13 to perform dose assessment. REPORT results to the SED.
- Makes recommendations for protective actions for onsite personnel to the SED and for personnel entry into radiological hazardous environments.
- Obtains MET data as needed by using ICS or CECC computer.
- Directs the issue of KI by following EPIP-14 guidelines to onsite personnel after notifying the SED.
- Remains cognizant of assessments of inplant and onsite radiological conditions from the OSC RADCON Supervisor.
- Directs the radiological monitoring vans until the CECC assumes control (CECC EPIP-9).
- Provides periodic status reports to the SED on radiological conditions.
- Keeps the CECC RAC informed on site radiological conditions and Coordinates supplemental RADCON support.
- Coordinates assessment of radiological conditions offsite with CECC RAM.
- Maintains status maps of offsite radiological conditions and inplant Radiological Conditions status board (ensuring times are posted next to radiological data).
- Provides RADCON surveillance through the OSC to MET station personnel, if required by environmental releases.
- Designates a qualified/knowledgeable person to provide inplant radiological data to the NRC via the Health Physics Network (HPN) upon request.
- Ensures outlying emergency responders (i.e. line crews, warehouse) have dosimetry and are being protected during the emergency.
- Provide radiological data to the OSC that must be obtained from the Main Control Room.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX J CHEMISTRY MANAGER

Page 1 of 2

Initial Activation of The Technical Support Center Checklist

Date: _____

Initis/Time

- ___/___ **ENTER** badge into the TSC Accountability Card Reader.
- ___/___ **SIGN IN** on the Organizational/Staffing Chart **and PUT ON** position badge.
- ___/___ **NOTIFY** SED of arrival.
- ___/___ **ESTABLISH** log of communications/events.
- ___/___ **ESTABLISH** contact with the OSC Chemistry Advisor
and the CECC Radiological Assessment Coordinator (RAC).
- ___/___ **CHECK** the status of emergency actions already in effect
such as chemistry sampling.
- ___/___ **PROVIDE** this completed checklist to the SED or EP Manager.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX J CHEMISTRY MANAGER

Page 2 of 2

Operational Responsibilities

- Coordinates information and the assessment of radioactive effluents with the CECC.
- Directs and remains cognizant of OSC Chemistry Advisor's Post-Accident Sampling Activities.

NOTE: From the time a decision is made to take a PASS sample, the results must be obtained in three (3) hours. A PASS should not (normally) be requested until post-accident conditions are stable enough to provide for useful evaluation results.

- Determines the impact of the incident on radwaste and various effluent treatment systems.
- Assist the RADCON Manager in Dose Assessment Calculations using EPIP-13, Initial Dose Assessment For Radiological Emergencies.
- Maintains the release rate portion on the Chemistry Status Board.
- Completes portions of plant parameter data sheets (Appendices R and S) as needed.
- Provides assistance to the SED and Technical Assessment Manager as needed.

APPENDIX K
NRC COORDINATOR

Page 1 of 2

Initial Activation of The Technical Support Center Checklist

Date: _____

Inits/Time

- ___/___ ENTER badge into the TSC Accountability Card Reader.
- ___/___ SIGN IN on the Organizational/Staffing Chart and PUT ON position badge.
- ___/___ NOTIFY SED and OPS Manager of arrival.
- ___/___ ESTABLISH log of communications/events.
- ___/___ CHECK the status of plant conditions and emergency actions already in effect such as Accountability or Site Evacuation.
- ___/___ RELIEVE the Control Room of responsibility for maintaining contact with the NRC, (ENS).
- ___/___ CALL NRC to inform them that you have assumed responsibility for contact from the Control Room.
- ___/___ PROVIDE this completed checklist to the SED or EP Manager.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX K
NRC COORDINATOR

Page 2 of 2

Operational Responsibilities

- Acts as primary liaison with onsite NRC personnel.
- Remains fully cognizant of emergency and plant conditions.
- Updates NRC personnel on plant status (use Appendix T as a guide when ICS is unavailable).
- Provides information requests from NRC to TSC personnel.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX L CONTROL ROOM COMMUNICATOR

Page 1 of 1

Initial Activation of The Technical Support Center Checklist

Date: _____

Initis/Time

- ___/___ **ENTER** badge into the Accountability Card Reader.
- ___/___ **SIGN IN** on the Organizational/Staffing Chart and **PUT ON** position badge.
- ___/___ **NOTIFY** SED of arrival.
- ___/___ **REPORT** to the TSC to obtain headset.
- ___/___ **REPORT** to Control Room and establish the Main Control Room "party line". Obtain headset/transmitter and activate amplifier at SM console - Dial 4101 for contact.
- ___/___ **ESTABLISH** contact with the Operations Manager and the other party line receivers (Status Board Writer, OSC OPS Advisor, TSC OPS Communicator).
- ___/___ **PROVIDE** this completed checklist to the SED or EP Manager.

Operational Responsibilities

- Serves as the control room - operations communications interface.
- Provides key plant parameters and critical safety function conditions and other information as requested over the operations "party line" to various positions in the TSC, OSC, and CECC.
- Provides operational knowledge for status evaluation of plant systems.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX M EP MANAGER

Page 1 of 2

Initial Activation of The Technical Support Center Checklist

Date: _____

Initis/Time

- ___/___ ENTER badge into the TSC Accountability Card Reader.
- ___/___ SIGN IN on the Organizational/Staffing Chart and PUT ON position badge.
- ___/___ NOTIFY SED of arrival.
- ___/___ ESTABLISH log of communications/events.
- ___/___ CHECK the status of emergency actions already in effect such as Accountability or Site Evacuation.
- ___/___ ENSURE checklists are distributed and are being completed. INFORM SED when key staff are present.
- ___/___ ENSURE all essential positions are filled by qualified responders who are fit for duty and checklists are returned.
- ___/___ CALL TSC Clerks to come to the TSC as necessary.
- ___/___ ENSURE all activation activities are proceeding normally.
- ___/___ ENSURE operability of backup communications.
- ___/___ ENSURE that initial conditions data are transmitted to the CECC. Data may include equipment status, core status, and a copy of the latest RCS coolant chemical analysis.
- ___/___ ANNOUNCE activation of the TSC and provide SED (name) on the Plant PA and instruct AUOs in the plant to report to the OSC staging area once they have completed previous missions assigned by the Main Control Room.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX M EP MANAGER

Page 2 of 2

Operational Responsibilities

- Advises the SED regarding the REP, use of EPIPs, emergency equipment use and availability, and coordination with the CECC.
- Confirm completion of action steps in EPIPS 2 - 5.
- Confirms TSC and OSC are operating properly.
- Monitor fitness for duty (ie. fatigue) for the response team and make recommendations to the SED as needed.
- Provides assistance to the SED as requested.
- Coordinates food and lodging requirements for the ERO with the CECC.
- Assist the SED by making PA announcements to update plant personnel of emergency status.
- The EP Manager is authorized to activate the TSC if the incoming SED has been delayed. The SM/SED will be notified that Emergency classifications, Protective Action Recommendations and Emergency Dose Authorizations will remain with the SM/SED.

DEACTIVATION RESPONSIBILITIES

Refer to EPIP-16.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX N
Intentionally Deleted
Page 1 of 1

Nuclear Engineering personnel are available on the TAT Teams and do not require a separate and repetitive Activation Checklist.

This appendix will remain in its current state/position for future use.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX O TSC LOGKEEPER

Page 1 of 1

Initial Activation of The Technical Support Center Checklist

Date: _____

Initis/Time

- ___/___ **ENTER** badge into the TSC Accountability Card Reader.
- ___/___ **SIGN IN** on the Organizational/Staffing Chart and **PUT ON** position badge.
- ___/___ **REPORT** to the SED and begin a log of his/her activities.
- ___/___ **RECORD** significant information on the TSC Sequence of Events board.
- ___/___ **PROVIDE** this completed checklist to the SED or EP Manager.

Operational Responsibilities

- Maintains official logs of the events and SED activities.
- Initiates the shift turnover list as directed by the SED.

APPENDIX P
TSC CLERICAL STAFF

Page 1 of 2

Initial Activation of The Technical Support Center Checklist

Date: _____

Inits/Time

- ___/___ ENTER badge into the TSC Accountability Card Reader.
- ___/___ SIGN IN on the Organizational/Staffing Chart and PUT ON position badge.
- ___/___ DISTRIBUTE manuals and TSC supplies and operate equipment as requested.
- ___/___ ENSURE that EPIPs are at the appropriate revision level.
- ___/___ ASSIST TSC personnel in obtaining their TLDs.

Deactivation of the TSC

- ___/___ COLLECT all logs, notes, and other materials from each TSC position and PROVIDE them to the EP Manager for documentation and storage.
- ___/___ ASSIST in the deactivation of the TSC by returning all equipment, supplies and manuals to the proper storage cabinets.
- ___/___ PROVIDE this completed checklist to the SED or EP Manager.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX P TSC CLERICAL STAFF

Page 2 of 2

Operational Responsibilities

- Assist in the set up of the TSC.
- Maintains accountability of TSC personnel and staff organization board.
- Answers telephones.
- Distributes plant parameter data sheets (Appendices R, S, & T), if ICS in unavailable.
- Uses Emergency Response Call List to obtain staff for unfilled positions or replacement staff for shift turnover using Appendix AA, "Emergency Responder Notification Form". Ensure that the following directions relative to call-in for unscheduled work per the "Fitness For Duty" (SPP-1.2) are followed: ASK responder the following questions:
 1. "Have you consumed alcohol in the past five hours?"
 2. "Are you fit for duty?"

If the first question is answered in the affirmative, call the next person on the call list unless the individual indicates that he is fit for duty in which case you should refer the determination to a supervisor.

- Operates facsimile machines.
- Operates CECC computer.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX Q TECHNICAL ASSESSMENT TEAM

Page 1 of 3

Initial Activation of The Technical Support Center Checklist

Date: _____

Initis/Time

- ___/___ **ENTER** badge into the TSC Accountability Card Reader.
- ___/___ **SIGN IN** on the Organizational/Staffing Chart and **PUT ON** position badge.
- ___/___ **ESTABLISH** log of communications/events.
- ___/___ **ESTABLISH** contact with the Technical Assessment Manager.
- ___/___ **CHECK** the status of emergency actions already in effect such as Accountability or Site Evacuation.
- ___/___ **PROVIDE** this completed checklist to the SED or EP Manager.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX Q TECHNICAL ASSESSMENT TEAM

Page 2 of 3

Operational Responsibilities

- Team Leader may designate TSC Logkeeper and Board Writer as directed by the TAM.
- Prepares and provides current assessment on plant conditions and provides this information to the CECC Plant Assessment Team.
- Project future status based on present plant conditions.
- Provide technical support and recommendations to plant operations on mitigating the accident.
- Monitor containment sump level and consult Appendix W for guidance.
- Provides direction for environmental qualification operating concerns for containment cooling following a non-LOCA event inside containment (i.e., loss of secondary side coolant) per Appendix X.
- Determines the condition of the reactor and nuclear fuel.
- If ICS is unavailable, prepares accident assessment form (Appendix T) for the TAM and NRC Communicator as warranted.
- Provides Predictive Release Data Sheet (Appendix S) to the CECC as requested.
- Ensures actions in Additional TAT Duties (Post Accident), Appendix Z, are initiated as needed.
- Performs trending of key plant parameters using ICS.
- Assumes SAMG responsibilities, when directed by the TAM. The TSC must be functional and 3 SAMG Evaluators must be monitoring the "TSC Diagnostic Flow Chart" (DFC) to assume SAMG responsibilities.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX Q
TECHNICAL ASSESSMENT TEAM

Page 3 of 3

Operational Responsibilities (continued)

- Verifies that all Aux. Bldg. Secondary Containment Enclosures (ABSCE) doors are closed. (SOI-30.06, Auxiliary Building Gas Treatment System, Checklist 3 or Fire Protection)
- Identifies and tracks the status of current ABSCE breaches. (Contact HVAC System Engineer for Breaching Log status)
- Verifies that all Emergency Control Room Pressurization Boundary (ECRPB) doors are closed.
- Identifies and tracks the status of current ECRPB breaches.

APPENDIX R

Plant Parameter Data Sheets

Page 1 of 6

DATE: _____ TIME: _____ UNIT: _____

NOTE: Unit status updates can be gained from the ICS computer utilizing the TSC Mimics and the following subgroups: REP1, REP2, 2PS1, 3MS1, 4SI1, or SPDS.

Refer to the ICS System User's Guide for additional information. If the ICS is inoperable, utilize the sheets of this appendix to trend/track needed data.

1. CST LEVEL: (LI-2-230A)_____ (LI-2-233A)_____ GAL
2. SG HEAT SINK: ☐ CONDENSER ☐ ATMOSPHERE
3. AFW PUMPS RUNNING: ☐ A-A ☐ B-B ☐ TD
4. SG LEVELS: NR: (1)_____ (2)_____ (3)_____ (4)_____ %
 (LI-3-39) (LI-3-52) (LI-3-94) (LI-3-107)

 WR: (1)_____ (2)_____ (3)_____ (4)_____ %
 (LI-3-43A) (LI-3-56A) (LI-3-98A) (LI-3-111A)
5. SG PRESSURES: (1)_____ (2)_____ (3)_____ (4)_____ PSIG
 (PI-1-2A) (PI-1-9A) (PI-1-20A) (PI-1-27A)
6. RVLIS: DYNAMIC RANGE _____% STATIC _____%
7. PZR LEVEL: (LI-68-335A)_____ (LI-68-320)_____ %
 (COLD CAL) (HOT CAL)
8. PZR PRESSURE: (PI-68-342A)_____ (PI-68-340A)_____ PSIG
9. RCS PRESSURE: (LOOP 3 HOT LEG) (PI-68-64)_____ PSIG
10. HL TEMP: WR (1)_____ (2)_____ (3)_____ (4)_____ °F
 (TI-68-1) (TI-68-24A) (TI-68-43) (TI-68-65)
11. CL TEMP: WR (1)_____ (2)_____ (3)_____ (4)_____ °F
 (TI-68-18) (TI-68-41) (TI-68-60) (TI-68-83)

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX R
Plant Parameter Data Sheets

Page 2 of 6

DATE: _____ TIME: _____ UNIT: _____

12. RCS FLOW: RCP's RUNNING: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ NATURAL CIRC

13. ECCS STATUS: ☐ STANDBY ☐ INJECT ☐ RECIRC ☐ SPRAY

14. RWST LEVEL: (LI-63-50) _____ GAL (LI-63-51) _____ GAL

15. CNTMT SUMP LEVEL: (LI-63-176) _____ %

16. FLOWRATE: (FI-62-93) _____ GPM (FI-63-170) _____ GPM
CHARGING BIT

17. CNTMT PRESSURE: NR (PI-30-44) _____ (PI-30-45) _____ PSID

18. INCORE THERMOCOUPLES:

QUAD 1 - (1 of #41,28,24,56,55,29,6) _____ °F

QUAD 2 - (1 of #44,22,58,21,16,63,64) _____ °F

QUAD 3 - (1 of #54,12,8,40,4,3,7) _____ °F

QUAD 4 - (1 of #60,9,45,6,46,42,36) _____ °F

19. NIS SOURCE RANGE: (N-131) _____ CPS (N-132) _____ CPS

20. SUB COOLING MARGIN _____ °F _____ °F
(TI-68-105) (TI-68-115)

21. STATUS TREE INDICATING:

RED ☐ REASON: _____

ORANGE ☐ REASON: _____

DATA BY: _____

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX R
Plant Parameter Data Sheets

Page 3 of 6

DATE: _____ TIME: _____ UNIT: _____

RADIATION MONITORS

<p>NOTE: UNIT STATUS UPDATE SHEETS (FOR USE WHEN TSC/ICS COMPUTER IS INOPERABLE)</p>

1. LOWER CNTMT (1-RE-90-106) (A) PARTICULATE _____ CPM
☐ ISOLATED ☐ TO LOWER (B) TOTAL GAS _____ CPM
☐ TO UPPER

2. UPPER CNTMT (1-RE-90-112) (A) PARTICULATE _____ CPM
☐ ISOLATED ☐ TO UPPER (B) TOTAL GAS _____ CPM
☐ TO LOWER (C) IODINE _____ CPM

3. SHIELD BLDG VENT (1&2-RE-90-400) TOTAL GAS U1 _____ U2 _____ $\mu\text{Ci/cc}$
FLOW _____ CFM

4. AUXILIARY BLDG VENT (0-RE-90-101) (A) PARTICULATE _____ CPM
☐ ISOLATED (B) TOTAL GAS _____ CPM
FLOW _____ CFM (C) IODINE _____ CPM

5. CONDENSER EXHAUST (LR) _____ CPM FLOW _____ CFM
(1-RE-90-119) (FT-2-256)

<p>NOTE: ICS radiation monitor(s) RE identifications may be referenced as RM in the MCR.</p>

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX R
Plant Parameter Data Sheets

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6. STEAM LINE RAD MONITORS: 1-RE-90-421 _____ mR/hr
1-RE-90-422 _____ mR/hr
1-RE-90-423 _____ mR/hr
1-RE-90-424 _____ mR/hr

STEAMFLOW (MCR)

1-FI-1-3A(3B)	SG1	_____ 1bm/hr.
1-FI-1-10A(10B)	SG2	_____ 1bm/hr.
1-FI-1-21A(21B)	SG3	_____ 1bm/hr.
1-FI-1-28A(28B)	SG4	_____ 1bm/hr.

7. SERVICE BLDG VENT _____ CPM FLOW _____ CFM
0-RE-90-132

8. SG BLOWDOWN: _____ CPM _____ CPM
1-RE-90-120 1-RE-90-121

9. ERCW DISCHARGE: HEADER A: _____ CPM _____ CPM
0-RE-90-133 0-RE-90-140
HEADER B: _____ CPM _____ CPM
0-RE-90-134 0-RE-90-141

10. Additional monitors in alarm (trend as needed).

DATA BY: _____

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX R
Plant Parameter Data Sheets

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DATE: _____ TIME: _____ UNIT: _____

POST-ACCIDENT RADIATION MONITORS

<p>NOTE: UNIT STATUS UPDATE (FOR USE WHEN TSC/ICS COMPUTER IS INOPERABLE)</p>
--

1. UPPER CNTMT: (TOP OF #2 & #3 SG) 1-RE-90-271: _____ R/hr
(TOP OF #1 & #4 SG) 1-RE-90-272: _____ R/hr

2. LOWER CNTMT: (BETWEEN #2 & #3 SG) 1-RE-90-273: _____ R/hr
(BETWEEN #1 & #4 SG) 1-RE-90-274: _____ R/hr

3. COND VAC EXHAUST: (mid.R/1-RE-90-404A)____(HR/1-RE-90-404B)____CPM

4. Additional monitors in alarm (trend as needed):

DATA BY: _____

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX R
Plant Parameter Data Sheets

Page 6 of 6

NOTE: UNIT STATUS UPDATE (FOR USE WHEN TSC/ICS COMPUTER IS INOPERABLE)

DATE: _____ TIME: _____ UNIT: _____

RADIOLOGICAL RELEASE DATA

1. RELEASE POINT: _____

2. RELEASE RATES: CIRCLE ONE: DECREASING STABLE INCREASING UNKNOWN

-----AIRBORNE-----LIQUID RELEASE -----

RELEASES μ Ci/SEC		ISO- TOPE	CONCENTRATION VALUE UNITS	FLOWRATE VALUE UNITS	TOTAL-RELEASE VALUE UNITS
NOBLE GAS	_____	_____	_____	_____	_____
IODINES	_____	_____	_____	_____	_____
PARTICULATE	_____	_____	_____	_____	_____
_____ COMBINED RELEASE	_____	_____	_____	_____	_____
ISOTOPE	RELEASE RATE	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

3. RELEASE BEGAN _____ EXPECTED TO END _____ EST/EDT. DURATION _____ HR
RELEASE POTENTIAL: _____ Ci, IN VOLUME OF _____ (CU FT OR GAL)

4. METEOROLOGICAL CONDITIONS: (IF REQUESTED DUE TO MET DATALINK INOPERABLE)

DATE	TIME	WIND SPEED (MPH or METERS)	DIRECTION (DEGREES)	ELEVATION (METERS)	TEMPERATURE DIFFERENTIAL
____/____/____	____:____:____	_____	_____	_____	_____
____/____/____	____:____:____	_____	_____	_____	_____
____/____/____	____:____:____	_____	_____	_____	_____

5. REMARKS/COMMENTS:

DATA BY: _____

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX S Predictive Release Data Sheet

Page 1 of 1

DATE: _____ TIME: _____ UNIT: _____
DATA NEEDED FOR CECC TO PERFORM PREDICTIVE RELEASE METHODOLOGY

1. PRIMARY COOLANT CONCENTRATION

	IN GAS	IN LIQ	SAMPLE DATA	
ISOTOPE	μCi/cc	μCi/ml	DATE: _____	TIME: _____
I-131	_____	_____		
I-132	_____	_____		
I-133	_____	_____		
I-134	_____	_____		
I-135	_____	_____		
CS-137	_____	_____		
CS-138	_____	_____		
KR-85m	_____	_____		
KR-85	_____	_____		
KR-87	_____	_____		
KR-88	_____	_____		
XE-133	_____	_____		
XE-135	_____	_____		

LOCATION: _____

TEMPERATURE: _____ °F

PRESSURE _____ PSIA

GAS VOLUME: _____ CC

WATER MASS: _____ GRAM

WATER LEVEL: _____

2. CONCENTRATION OF HYDROGEN IN CONTAINMENT ATMOSPHERE

H₂ CONC (MOLE %): _____ DATE: _____

CNTMT TEMP: _____ °F TIME: _____

CNTMT PRESS _____ PSI LOCATION: _____

3. OPERATING POWER HISTORY (IF CECC/ICS DATALINK INOPERABLE)

DATE/TIME OF SHUTDOWN: _____

START PERIOD	END PERIOD	AVG POWER IN MWt	START PERIOD	END PERIOD	AVG POWER IN MWt
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

4. CORE EXIT THERMOCOUPLE READINGS (IF CECC/ICS DATALINK INOPERABLE)

THERMOCOUPLE NUMBER	DATE	TIME	READING (F)	NOTES:
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

5. REACTOR WATER LEVEL HISTORY (IF CECC/ICS DATALINK INOPERABLE)

DATE	TIME	READING (UNITS)	RCS VOL (CU FT)	NOTES:
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Send to: CECC Core Damage & CECC RAC.

DATA BY _____

APPENDIX T
TSC Accident Assessment Summary Sheet

Page 1 of 1

NOTE: This Status Update Sheet is for use when the TSC ICS/ERDS data systems are inoperable.

TO: Tech. Assmt. Mgr. & NRC Coordinator and CECC Plant Assessment Team
FROM: WBN Tech. Assmt. Team

I. HEAT REMOVAL CAPABILITY (Core Cooling, Heat Sink, RSC Inventory):
Status Tree: _____

II. FUEL INTEGRITY (Subcriticality, RCS Radionuclide):

III. RADIOACTIVITY IN CONTAINMENT;

IV. CONTAINMENT INTEGRITY:
Status Tree: _____

V. OVERALL ASSESSMENT & RECOMMENDATIONS:

Prepared by _____ WBN /EXT _____

Time _____

APPENDIX U

Protective Action Recommendation

Page 1 of 1

NOTE: If conditions are unknown utilizing the flowchart, then answer NO.

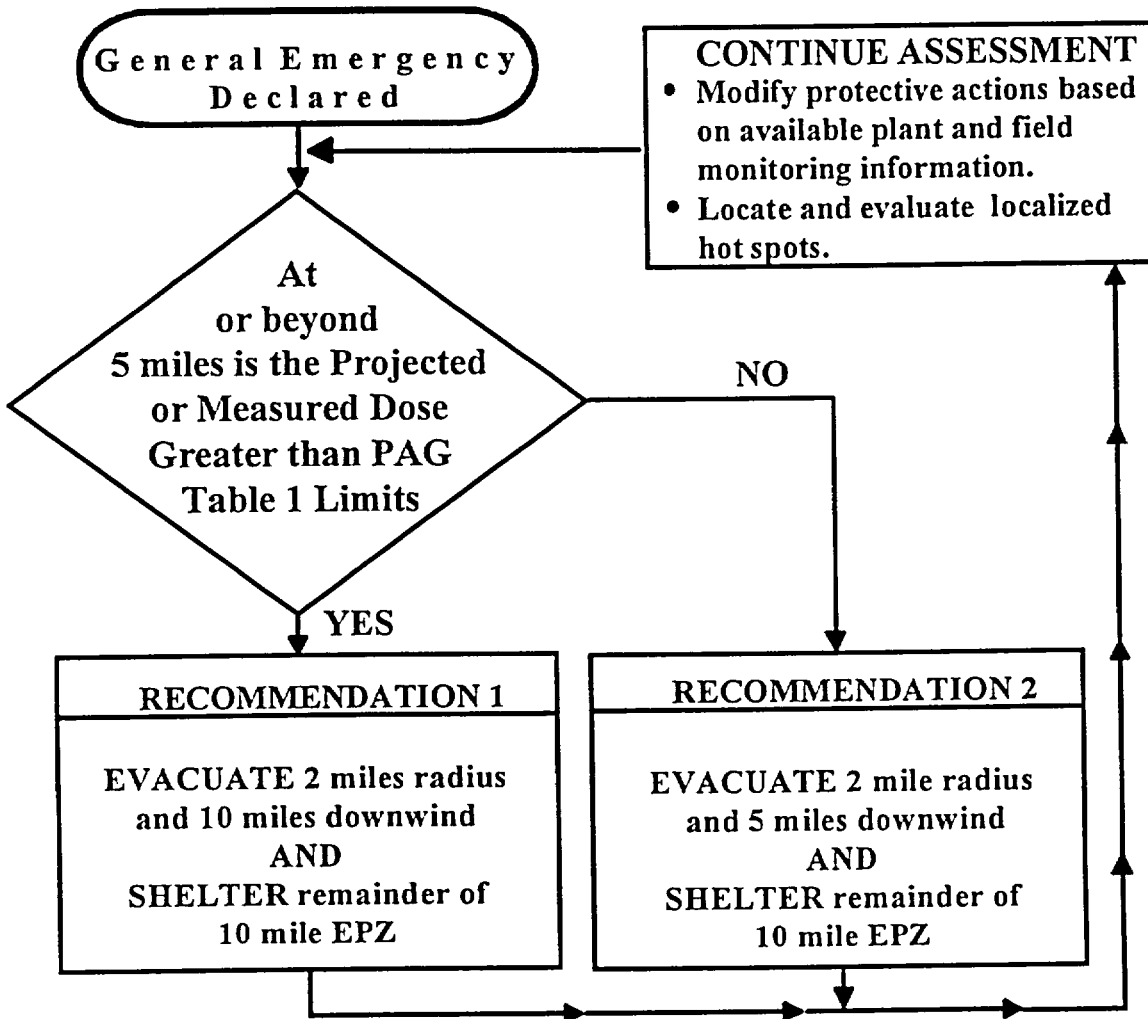


TABLE 1 Protective Action Guides	
TYPE	LIMIT
Measured	3.9E-6 microCi/cc of Iodine 131 or 1 REM/hr External Dose
Projected	1 REM TEDE or 5 REM Thyroid CDE

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX V Reference Materials and Equipment List

Page 1 of 1

The following reference materials are provided in the TSC:

1. Watts Bar Nuclear Plant FSAR.
2. Watts Bar Nuclear Plant Technical Specifications (Unit 1).
3. Surveillance Instructions (Selected). (Note ¹ Below)
4. Technical Instructions (Selected). (Note ¹ Below)
5. Radiological Control Instructions.
6. System Operating Instructions.
7. General Operating Instructions.
8. REP and WBN and CECC Emergency Plan Implementing Procedures
9. Plant Functional Drawings.
10. Abnormal Operating Instructions.
11. Emergency Operating Procedures.
12. Westinghouse Emergency Response Guidelines. (Note ² Below)
13. WOG, ERG Maintenance Direct Work Item DW-97-002 Response (Emergency Response Guidelines, Background Information).
14. Hand-held calculators.
15. Office supplies for use in the TSC.

NOTE: 1: Selection to be made by Technical Assessment Team Leader(s) or Technical Assessment Manager(s) and approved by the Emergency Preparedness Manager.

NOTE: 2: Obtain copy from Site Westinghouse Representative or Master Files.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX W

Containment Sump Operation and Level Guidance

Page 1 of 1

NOTE: Revised Engineering Analysis on the WBN Containment Sump Operation and Level Guidance has made the information previously provided in this Appendix no longer applicable.

Information on the Containment Sump Operation and Level Guidance can be gained through the following sources:

- FSAR 6.3, Emergency Core Cooling System
- System Description N3-63-4001, Safety Injection Systems
- ES-1.3, Transfer to RHR Containment Sump

APPENDIX X ERCW Concerns for Technical Assessment

Page 1 of 3

MSLB and LOCA Events:

The LCC fans will be operated throughout all events except LOCA and MSLB. Following a MSLB, the LCC fans (four total - 2 Train A and 2 Train B) are started between 1.5 and 4 hours after event initiation. Within 2 hours of event initiation, contingent upon no ERCW available to operating LCC units, operators will initiate plant cooldown at a minimum rate of 19°F per hour in the RCS and 25°F per hour in the Pressurizer, to at least 350°F in the RCS and 450°F in the Pressurizer.

CAUTION: Prior to reinitiating ERCW flow to the LCC coils, the potential for waterhammer and two phase flow must be considered. Parameters to be considered are containment temperature which can cause boiling within the coils, available system pressure to prevent boiling, and maintenance of system integrity after reinitiating ERCW flow.

If ERCW is supplied to operating units, the cooldown specified here is not required, if containment temperature is maintained below 120°F.

Non-LOCA Events:

1. Provide direction for environmental qualification operating concerns for containment cooling following a non-LOCA event (e.g. loss of secondary coolant) inside containment. Items which should be addressed are listed below:
 - a. Cooldown the RCS to less than 350 degrees F within 12 hours and continue as conditions allow.
 - b. In case of failure of the normal RHR suction valves to open, continue cooldown using the steam generators.
 - c. Within one to four hours after event initiation, place at least two lower containment coolers in service. Ensure ERCW is aligned before placing coolers in service. This action will require entry into the annulus to manually open the ERCW valve if one train of power is lost. Preferable, all lower containment coolers should be placed in service.
 - (1) If A-train power is lost, A-train valves FCV-67-104 and FCV-67-112, located in the annulus (approx. el 713) will have to be manually operated in order to place the B-train ERCW header to the B-train lower compartment coolers in service. See Appendix X, page 3 of 3 for the specific location of these valves.
 - (2) If B-train power is lost, B-train valves FCV-67-88 and FCV-67-96, located in the annulus (approx. el 713) will have to be manually operated in order to place the A-train ERCW header to the A-train lower compartment coolers in service. See Appendix X, page 3 of 3 for the specific location of these valves.
 - d. Evaluate containment heat loads. If a reactor coolant pump is running, then at least three lower containment coolers should be in service.
 - e. Evaluate ERCW flow to the lower containment coolers and, if required, consider reducing flow to other equipment such as the containment spray heat exchangers.
 - f. In case of failure of both the CVCS letdown and excess letdown flow paths, then evaluate use of the reactor vessel head vent system or pressurizer PORV.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX X

ERCW Concerns for Technical Assessment Team

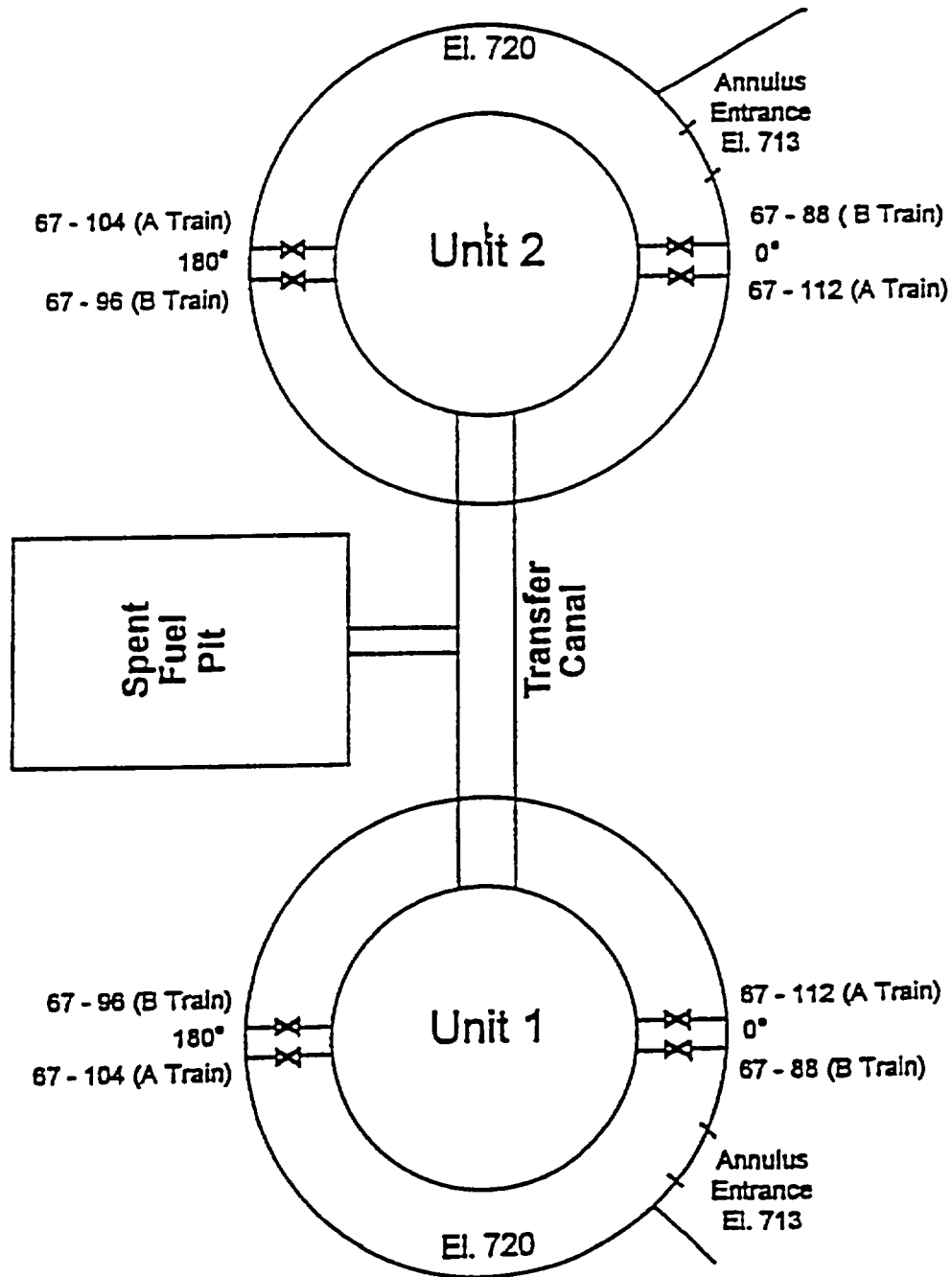
Page 2 of 3

2. Monitor ERCW screens and strainers. Within 3 hours after operating basis earthquake ($\geq 1/2$ SSE), a loss of upstream or downstream dam, a stage I flood, a tornado, a loss of offsite power, or within 12 hours following a LOCA, then perform the following actions:
 - a. Isolate chlorination to ERCW.
 - b. Inspect ERCW traveling screens and place screens into continuous backwash.
 - c. Inspect ERCW strainers differential pressure and place into continuous backwash.
3. For events other than those listed in previous step, then maintain the normal monitoring and cleaning frequency of the ERCW screens and strainers per SOI-67.01.

APPENDIX X

ERCW Concerns for Technical Assessment Team

Page 3 of 3



APPENDIX Y
SMALL BREAK LOCA CONCERNS

Page 1 of 1

As a result of a review of Sequoyah II-91-094, Nuclear Experience Review, it has been noted that the potential exists to have a loss of containment sump inventory as a result of lifting the relief (SRV-62-649) on the CCP miniflow recirculation line which would divert sump water inventory to the VCT/HUT. This scenario is potentially valid whenever the RHR pumps are providing makeup to the charging pumps in the recirculation mode.

Evaluate the conditions to determine if:

- A RCS Loss of Coolant accident is in progress.
- The unit is to the point of going on RHR Recirculation and RWST inventory is depleted and inventory for suction of the CCPs is from the containment sump.

If these conditions exist, then consider:

- Monitoring VCT level (this is the relief point of SRV-62-649)
- Determine if miniflow valve FCV-62-98 or FCV-62-99 should be closed to preclude loss of inventory to the VCT.
- If entry into Auxiliary Building is required to manually close the miniflow valve, have RADCON evaluate potential dose for performing this function.
- If loss of containment sump inventory to the HUT is occurring, actions must be taken to add water to RWST.

APPENDIX Z
ADDITIONAL TAT DUTIES (POST ACCIDENT)

Page 1 of 2

Auxiliary Building Lighting Guidance

In order to support the results of the Auxiliary Building temperature heat-up calculation (reference 7.2.21), normal lighting in the following rooms should be turned off within 12 hours of an Auxiliary Building isolation (ABI) resulting from a LOCA/MSLB inside primary containment, if temperatures in these rooms cannot be maintained below 128°F:

Elevation 757.0

A10 (Old Reverse Osmosis Rm)
A11 (U1 Reactor Bldg. Equip Hatch)
A12 (U1 Reactor Bldg. Access Rm)

Elevation 782.0

A1 (U1 MG Set Rm)
A2 (PZR Header Xfmr Rm-Train A)

Lights must be turned off via the wall switch in the rooms and not at the circuit breaker in the lighting cabinet. Room 757.0-A11 has one 1500 watt light located at A5-A6 and W-X that is not switched and should not be turned off at LC156 (breaker 13) as this breaker also controls an emergency battery pack.

NOTE: Should emergency repair work be conducted in any of these rooms, repair teams should be instructed to turn the lights off upon departure.

Control Room Chiller Guidance

Operator Action will be required following a LOCA/HELB (inside containment) to assure that temperatures in the Main Control Room and in the Shut Down Board Rooms remain below the Maximum Limits.

The Technical Assessment Team will assure the following actions are taken.

Within 24 hours of the start of the LOCA/HELB, switch from the operating Train to the Standby train on the following systems:

- Main Control Room AHU
- Shut Down Board Room A & B Chiller

Continue to alternate trains every 24 hours.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX Z ADDITIONAL TAT DUTIES (POST ACCIDENT)

Page 2 of 2

Steam Generator Tube Rupture (SGTR) Recovery

Operator action will be required to dispose of contaminated water on the plant's secondary side after a SGTR.

To assist Plant Operations the Technical Assessment Team will assure the following actions are taken:

- Ensure the station sump is aligned to the unlined pond (in accordance with SOI-14.03) and unlined pond releases are performed in accordance with the Offsite Dose Calculation Manual (ODCM).

NOTE: Hotwell level indication may be inadequate if the hotwell level is high
--

- Evaluate having temporary level indication installed to provide accurate indication of hotwell level.
- The hotwell may be processed (cleaned up) in accordance with SOI-14.03, Condensate Demineralizer Waste Disposal.
- The A Condensate Storage Tank (CST) may be processed (cleaned up) in accordance with SOI-2&3.01, Condensate and Feedwater System.
- Any contaminated Steam Generator may be processed in accordance with SOI-15.01, Steam Generator Blowdown System.

WBN	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	EPIP-6
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APPENDIX BB
WBN TSC Sign-In Roster

Page 1 of 1

NAME (Print)	Social Security Number	Signature	Replacement within 12 hours Yes/No	Position/Role

Date of TSC Activation

WBN EP Records Coordinator

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-7

**ACTIVATION AND OPERATION OF THE
OPERATIONS SUPPORT CENTER (OSC)**

Revision 18

Unit 0

PREPARED BY: James F. Hagy

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY: Frank L. Pavlechko

Effective Date: 03/31/2003

LEVEL OF USE: REFERENCE

NON-QUALITY RELATED

WBN	ACTIVATION AND OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)	EPIP-7
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REVISION LOG

Revision Number	Implementation Date	Pages Affected	Description of Revision
14	4/25/01	All Pg. 2, 54	Plan effectiveness determination reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Intent revision to delete removal of QA Records located in the MDB Vault as a result of Corrective Action 3 in WBNPER 980610. This action for flooding is no longer required due to engineering re-evaluation.
15	9/25/01	All Pg. 8, 19, 30, 45	Plan effectiveness determinations reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Intent change. Procedure revised to Non-Quality related per requirements of NQAP & pending revision to SPP-2.2. The coversheet and records section of the procedure was revised to reflect this change. Non-Intent change. Addressed fatigue issues for the ERO on App D. Resolved Security personnel evacuation problem identified in PER 01-013997-000 on App. O. Corrected typo on App. H.
16	01/24/02	All pg. 4, 36, 55	Plan effectiveness determinations reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change. Revised support position title in App. K. Revised App. U to include listing position or role. This to enhance tracking of data for NEI, PI on participation.
17	12/16/2002	All	Plan effectiveness determination reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to revise instruction references. Updated format for intersite consistency. Deleted source notes. Added table of contents. Revised section numbering.
18	03/31/2003	2, 4, 36, 53	Plan effectiveness determination reviews indicate the following revisions do not reduce the level of effectiveness of the procedure or REP: Non-intent change to reflect training provided for Clerical Staff. Editorial corrections. Added overtime restriction check to Appendix V.

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WBN	ACTIVATION AND OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)	EPIP-7
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1.0 PURPOSE

This procedure provides instructions for the Operations Support Center (OSC) activation, organization, operation, termination, and deactivation.

2.0 REFERENCES

1. TVA Nuclear Power Radiological Emergency Plan (NP REP)
2. EPIP-6 Activation and Operation of the Technical Support Center
3. EPIP-8 Personnel Accountability and Evacuation
4. EPIP-10 Medical Emergency Response
5. EPIP-12 Emergency Equipment and Supplies
6. EPIP-13 Initial Dose Assessment for Radiological Emergencies
7. EPIP-14 Radiological Control Response
8. EPIP-15 Emergency Exposure Guidelines
9. EPIP-16 Termination of the Emergency and Recovery
10. Tennessee Valley Authority Nuclear Power Radiological Emergency Plan (REP)
11. SPP-1.2, Fitness For Duty
12. SPP-1.5, Overtime Restrictions (Regulatory)
13. NUREG 0654, FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in support of Nuclear Power Plants
14. NUREG 0696, Functional Criteria for Emergency Response Facilities, Final Report
15. Title 10 Code of Federal Regulations, Part 50, Appendix E
16. ANSI Standard N 18.7-1976
17. SOI-100.01 Communications Systems

3.0 INSTRUCTION

3.1 General

At ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY classifications, the OSC Manager **will report** directly to the OSC and **shall** be responsible for implementing this Procedure.

The OSC Manager and OSC staff are responsible for activation, operation and deactivation of the OSC.

NOTE: In the event of plant inaccessibility, all references to the TSC (or OSC) are intended to refer to the alternate location selected for staffing, such as the staging area in Classroom 19 of the Watts Bar Training Center.

3.2 Initiating Conditions

3.2.1 The OSC is to be activated and operated when an emergency is declared and classified as an ALERT, a SITE AREA EMERGENCY, or a GENERAL EMERGENCY.

3.2.2 This Procedure may be activated at any other time as deemed necessary by the Site Emergency Director.

3.2.3 The Shift Manager (SM) will activate the OSC by announcing the emergency condition by one or more of the following methods.

A Plant Public Address (PA) announcement.

NOTE: The Radiological Emergency Response Organization Call List is handled in accordance with the TVA Fitness For Duty Program.

- B. Shift personnel will normally activate the Emergency Paging System (EPS) or contact the persons designated on the Radiological Emergency Response Organization Call List.
- C. OSC personnel can also contact additional responders/replacements by phone utilizing the Emergency Response Organization Call List available in the OSC and Appendix V.
- D. Target activation time for minimum OSC staffing is approximately 60 minutes.
- E. IF the normal phone system and radio systems are not functioning, the satellite phone system will be used as described in SOI-100.01.

WBN	ACTIVATION AND OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)	EPIP-7
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3.0 INSTRUCTIONS (cont.)

3.3 Activation of the OSC

- 3.3.1 The OSC Manager **shall** assume responsibility for implementing this Procedure and directing OSC personnel and activities.
- 3.3.2 Personnel with OSC Emergency Preparedness assignments **REPORT** to their response positions, (**SEE** Appendix A, OSC Layout, and Appendix B, Alternate OSC Layout). Activation of the facility is required at the **ALERT OR** higher emergency classification or at the discretion of the Site Emergency Director.
- 3.3.3 Other plant staff the OSC Manager determines to be necessary to support OSC functions will be called:
 - (1) OSC Clerk
 - (2) Maintenance/Craft personnel as needed
 - (3) Operations personnel as needed
 - (4) RADCON personnel as needed
 - (5) Transmission/Power Supply Group personnel as needed
 - (6) Others, as needed.

3.4 Required OSC Actions

- 3.4.1 OSC organization (Appendix B), staff actions and responsibilities are provided in Appendices C-T.
- 3.4.2 OSC responders will complete all of the applicable steps contained in the appropriate Appendices.
- 3.4.3 Plant procedures should be followed whenever possible. Should a situation arise where normal procedures would be inappropriate, action will be performed as determined by the OSC Manager. Nonconformance with plant procedures should be documented and action/steps taken. Also, deviations may warrant initiation of a Problem Evaluation Report (PER) or other Corrective Action Plan (CAP).

3.5 Emergency Response Organization Call List

The WBN Emergency Preparedness Manager shall maintain the Emergency Response organization call list listing key OSC personnel by Emergency Response Organization Title, name, home and work telephone numbers and pager numbers. The call list will be updated at least quarterly with input by the appropriate section/group supervisors. The list will be available to shift personnel to use in case of the failure of the Emergency Paging System.

WBN	ACTIVATION AND OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)	EPIP-7
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3.0 INSTRUCTIONS (cont.)

3.6 Long-Term Operation

Additional personnel will be called in at the request of the OSC Manager to provide coverage or to ensure 12-hour or shorter shifts in the OSC. The OSC Manager will coordinate these call-ins with Nuclear Security to facilitate site access.

3.7 Termination and Deactivation

3.7.1 Deactivation will be implemented using EPIP-16, "Termination of the Emergency and Recovery," when plant conditions are such that: (1) the emergency has been terminated; (2) the OSC has been deactivated; and (3) OSC personnel have been relieved of emergency response duties.

3.7.2 All records generated during the operation of the OSC will be reviewed by the OSC Manager and forwarded to the Emergency Preparedness Manager.

3.7.3 All equipment and usable supplies will be returned to their storage locations.

3.7.4 All equipment, supplies and procedures will be replenished in the OSC following a drill, exercise or emergency by applicable groups as assigned in EPIP-12, "Emergency Equipment and Supplies."

4.0 RECORDS

4.1 Records of Classified Emergencies

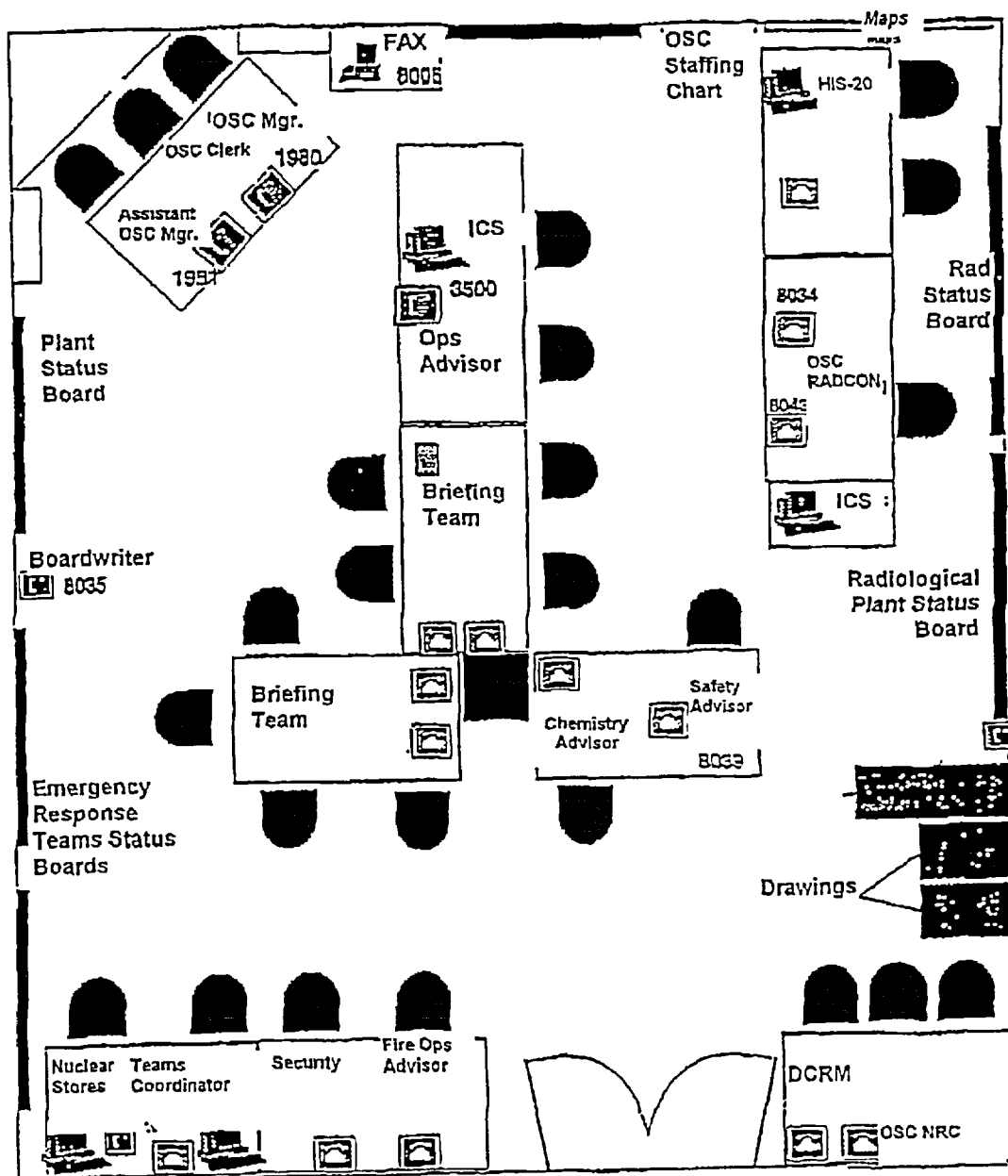
The materials generated in support of key actions during an actual emergency classified as NOUE are considered Lifetime retention Non-QA records. Materials shall be forwarded to the EP Manager who shall submit any records deemed necessary to demonstrate performance to the Corporate EP Manager for storage.

4.2 Drill and Exercise Records

The materials deemed necessary to demonstrate performance of key actions during drills are considered Non-QA records. These records shall be forwarded to the EP Manager who shall retain records deemed necessary to demonstrate six-year plan performance for six years. The EP Manager shall retain other records in this category for three years.

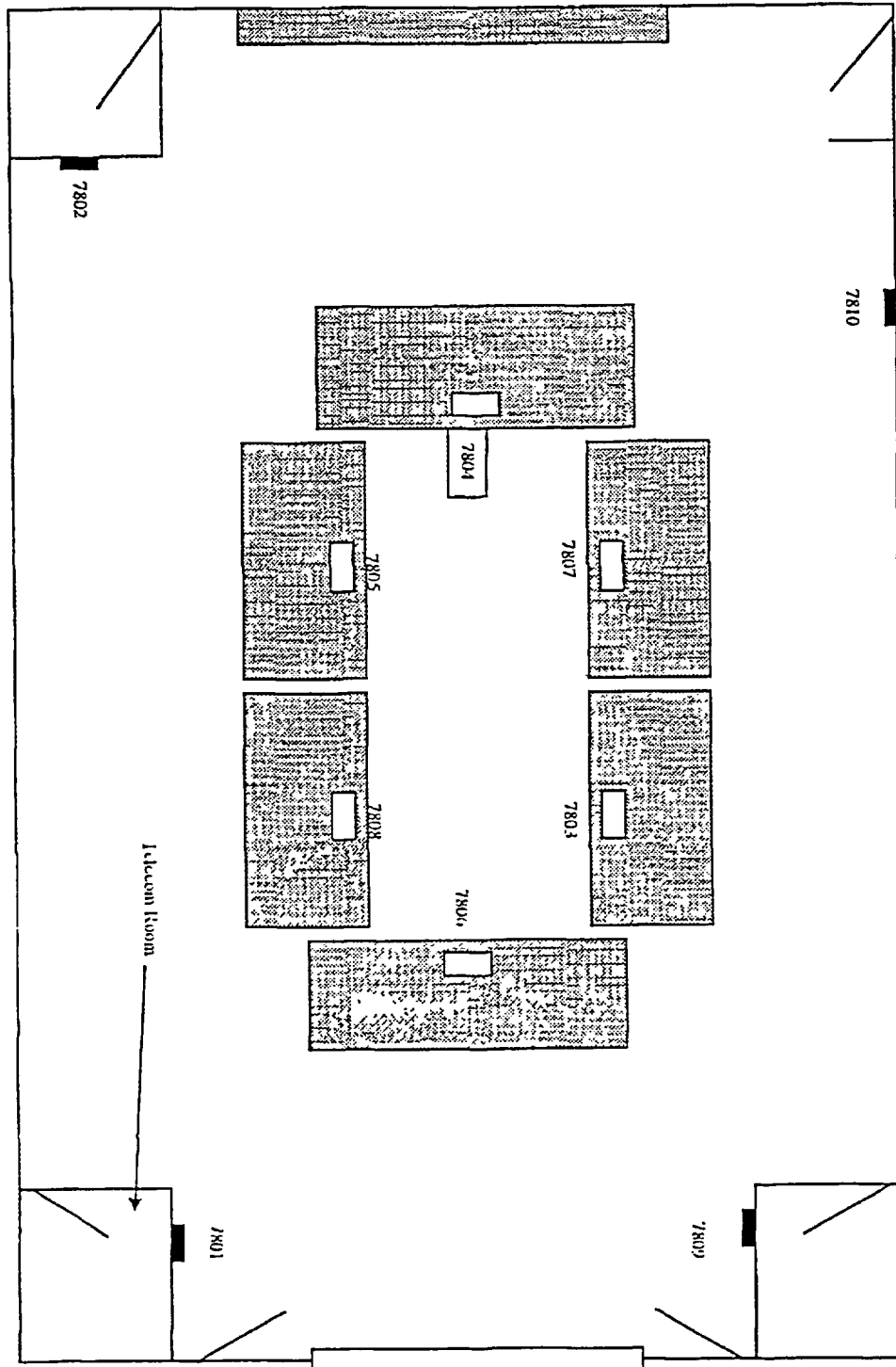
APPENDIX A
OPERATIONS SUPPORT CENTER LAYOUT
(Page 1 of 2)

Elevation 713 Radcon Lab Area



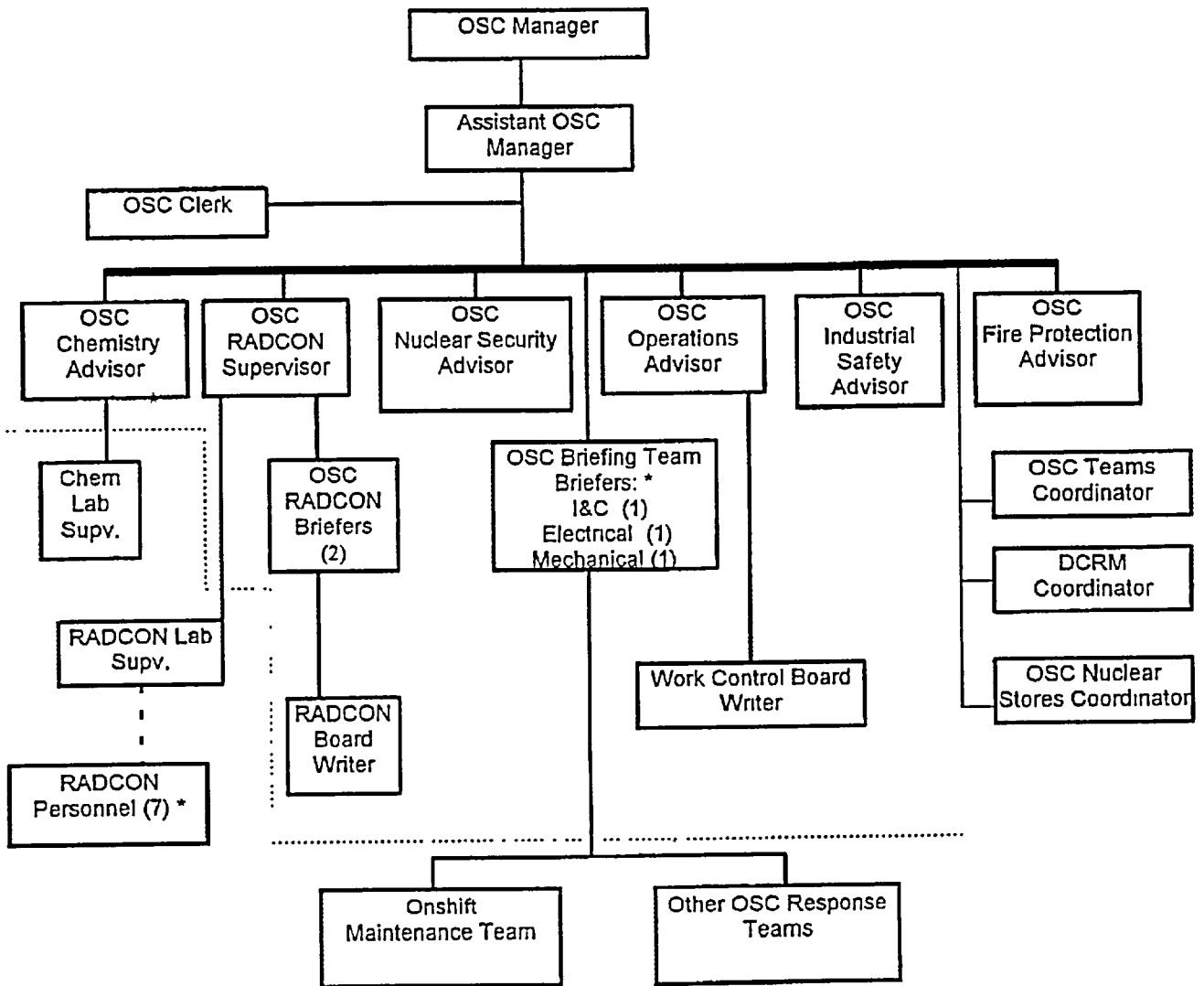
APPENDIX A
OPERATIONS SUPPORT CENTER LAYOUT

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WBN ALTERNATE OPERATIONS SUPPORT CENTER LAYOUT
Elevation 729, Plant Team Conference Room

APPENDIX B
OPERATIONS SUPPORT CENTER ORGANIZATION
(Page 1 of 1)

OPERATIONS SUPPORT CENTER ORGANIZATION



(*) Denotes minimum staffing position(s) per NUREG 0654.

**APPENDIX C
OSC MANAGER**

(Page 1 of 4)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Inits/Time

____/____

ENTER keycard into the Accountability Badge Reader.

____/____

SIGN in OSC on the staffing chart and put on position badge.

____/____

SIGN the OSC Roster. (Appendix U)

____/____

ESTABLISH a log of activities and communications.

____/____

CALL the SED in the TSC and **OBTAIN** an update of emergency conditions.

____/____

RELOCATE to OSC Alternate location (Main Office Building Team Conference room) if OSC is not habitable.

NOTE: The location of the Alternate OSC/RADCON Lab will depend on inplant radiological conditions. The TSC RADCON Manager, after consultation with the SED, will make the decision on location transfer. Possible locations that will be considered are the Alternate OSC in the Main Office Building and the Relay Room 755' level next to the Control Room and the TSC or the WBN Training Center, Classroom 19.

____/____

ENSURE minimum staffing requirements for the OSC are met.

- ____ OSC Manager
- ____ RADCON Supervisor (onshift)
- ____ Chemistry Advisor
- ____ Mechanical Maintenance Supervisor or Briefer
- ____ Electrical Maintenance Supervisor or Briefer
- ____ I&C Maintenance Supervisor or Briefer

____/____

ENSURE OSC support personnel are notified as needed. This includes anyone who is needed to mitigate the incident. SED can authorize personnel onsite who have not been REP trained.

____/____

BRIEF OSC on personnel, radiological and plant conditions and expected actions Use Appendix D as a guide.

WBN	ACTIVATION AND OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)	EPIP-7
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**APPENDIX C
OSC MANAGER**

(Page 2 of 4)

INITIAL OSC ACTIVATION CHECKLIST

- / **BRIEF** the OSC regarding the OSC and initial information.
- / **INFORM** the TSC of encountered plant conditions and the status of any emergency actions already in progress.
- / **CONFIRM** that the OSC is staffed with qualified personnel and operational. (Will be up to discretion of OSC Manager. Minimum staffing positions must be met.)
- / **INFORM** the SED that the OSC is operational.
- / **REQUIRE** OSC personnel to use EPIP-7 checklists to perform their assigned duties.
- / **DETERMINE** the location and function of persons/teams currently and previously tasked by the TSC/Main Control Room and ensure assignment of Team Tracking Letters.
- / **ESTABLISH** shift rotations to fill the OSC positions IF duration is expected to exceed 12 hours.

**APPENDIX C
OSC MANAGER**

(Page 3 of 4)

OPERATIONAL RESPONSIBILITIES

- Demonstrate command and control of the OSC throughout the emergency.
- Brief the OSC staff on current conditions, as needed.
- Update the SED and TSC Maintenance Manager as needed.
- Authorize OSC personnel to form emergency response teams.
- Direct the dispatching of emergency response teams (Medical Emergency Response Teams, emergency repair teams, search and rescue teams, fire protection teams, Post Accident Sampling Teams, radiological monitoring teams, damage assessment teams, and others as necessary.)
- Brief, track and coordinate Emergency Response teams which are being dispatched by the Control Room.
- Ensure that team activities are continually prioritized and synchronized with the TSC.
- Coordinate with the SED, TSC RADCON Manager, and OSC RADCON Supervisor authorizing exposures in excess of occupational limits. (Use EPIP-15).
- Coordinates maintenance teams and ensures they have received proper briefings and are all accompanied by a Radcon Technician (as necessary).

**APPENDIX C
OSC MANAGER**

(Page 4 of 4)

OPERATIONAL RESPONSIBILITIES

- Coordinate with the SED, TSC RADCON Manager, and OSC RADCON Supervisor in the issuance of KI. (Use EPIP-14).
- Provide supplemental staffing for the OSC as needed.
- Initiate long-term 24 hour/day operation.
- Relocate the OSC as habitability conditions dictate.
- Deactivate the OSC when directed by the SED. (Ensure that all assigned tasks have been completed or terminated as needed, and all emergency response teams have been properly debriefed.)
- Review OSC records to ensure completeness and accuracy prior to collection by the WBN Emergency Preparedness Manager.
- Maintain log of communications and activities.
- Provide adequate turnover when a shift change occurs.

DEACTIVATION RESPONSIBILITIES

- Terminate in accordance with EPIP-16, "Termination of the Emergency and Recovery."
- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed.
- Assists in forming re-entry and recovery plans.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.

**APPENDIX D
OSC MANAGER BRIEFING OUTLINE**

(Page 1 of 2)

The following may be used as a guide for OSC Manager briefings:

1. "This is a real emergency. This is a real emergency." OR
"This is a drill. This is a drill. We need to treat this exercise as if it were a real emergency."
2. "This is _____. I am the OSC Manager."
"The OSC was activated at _____ hours."
"The TSC (is/is not) activated. _____ is the Site Emergency Director."
3. "The following is a summary of conditions at this time:

Emergency Classification:

Date _____

☐ Notification of Unusual Event☐ Alert☐ Site Area Emergency☐ General Emergency

Time Updated _____

RCS Pres. _____

RCS Temp. _____

PZR Level _____

ESF STATUS _____

Event Description: _____**Status--Unit 1** _____**Status--Unit 2** _____**Time Event Started:** _____**Primary Plant Condition:** _____

Mode: 1 2 3 4 5 6

(circle one)

Electrical Lineup: _____**Description of any abnormal lineup****YES NO****YES NO****YES NO****YES NO****YES NO**

DG1A Operating? DG2A Operating? DG1B Operating? DG2B Operating? Offsite Pwr Avail.?

Major Mechanical Problems: _____**Major Electrical Problems:** _____

**APPENDIX D
OSC MANAGER BRIEFING OUTLINE**

(Page 2 of 2)

4. "We are analyzing the work that was in progress at the time of the incident to determine if work should be continued, escalated, postponed or discontinued."
5. "Our plan of action at this time is to _____."
6. "Please maintain an orderly atmosphere in the OSC. Listen to briefings and make information flow to the appropriate organizations."
7. "Please notify me if you are fatigued or feel you can not perform your required duties."
8. "The status of Emergency Response teams in the field is _____:
(Examples: Fire, Medical, damages, repairs. . . .) More information will be provided as it becomes available."
9. **"This is a real emergency. This is a real emergency." OR
"This is a drill. This is a drill."**

Recorded by: _____

Time: _____

Date: _____

Major Instrument and _____
Control Problems: _____

Environmental Problems High Rad Areas: _____

Toxic Gas: _____

High Press. Steam: _____

Other: _____

**APPENDIX E
ASSISTANT OSC MANAGER**

(Page 1 of 3)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Initis/Time:

- ___/___ **ENTER** keycard into the Accountability Badge Reader.
- ___/___ **SIGN** OSC Staffing Chart and PUT ON position badge.
- ___/___ **SIGN** the OSC Roster (Appendix U).
- ___/___ **ENSURE** Plant Status Board is initially completed.
- ___/___ **ESTABLISH** logbook and communications.
- ___/___ **ENSURE** that qualified (properly trained) OSC personnel are "signed-in" on the OSC Staffing Chart and the OSC Roster.
- ___/___ **REQUEST** checklist completion status from OSC personnel. (Checklists are not optional.)
- ___/___ **CONTACT** the following non-pager carrying OSC Support personnel:
1. OSC Clerk/Logkeeper
 2. Communications Support (as needed)
 3. Computer Support (as needed)

**APPENDIX E
ASSISTANT OSC MANAGER**

(Page 2 of 3)

OPERATIONAL RESPONSIBILITIES

- Assist the OSC Manager in providing direction and control in the OSC.
- Maintain communications with the TSC.
- Oversee the operations of the OSC Teams and coordinate supporting activities.
- Assign TSC developed task(s) to the team briefer(s) and ensure emergency teams are properly briefed using Appendix F, OSC Team Briefing/Debriefing Form.
- Authorize the dispatching of emergency response teams (includes signing briefing form, Appendix F).
- Ensure emergency teams are properly debriefed, in a timely manner, using Appendix F, OSC Team Briefing/Debriefing Form.
- Ensure the Plant Status Board, Emergency Response Team Tracking Boards, and OSC Staffing Chart are kept current.
- Coordinate with OSC RADCON Supervisor and Operations Advisor as needed regarding OSC Team activities (determine if teams need RADCON or Operations support).
- Authorize issuance of equipment and document issuance as necessary.
- Assist in obtaining authorization for emergency exposures and the issuance of KI for emergency response teams.
- Maintain log of communications and activities.
- Provide adequate turnover when a shift change occurs.
- Assist the OSC Manager in coordinating shift changes and 24 hour/day OSC operations as needed.

WBN	ACTIVATION AND OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)	EPIP-7
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APPENDIX E
ASSISTANT OSC MANAGER
(Page 3 of 3)

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for.
- Ensures all logs and team briefing forms are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.
- Assists in forming re-entry and recovery plans.

WBN**ACTIVATION AND OPERATION OF THE
OPERATIONS SUPPORT CENTER (OSC)****EPIP-7****APPENDIX F
WATTS BAR NUCLEAR PLANT OSC TEAM BRIEFING/DEBRIEFING FORM**

(Page 1 of 2)

TEAM: Assistant OSC Mgr / init/time	Task Description: Describe problem or task, drawings, known facts, precautions, etc. Task Location _____ ___ Inform OSC Manager of Team Request From TSC ___ Assign to Briefing Team: Lead Briefer: _____ ___ Heads-up to Briefer(s): ___ Ops ___ RADCON ___ Safety ___ Other ___ Enter Team Information on OSC Team Tracking Board																												
Lead Briefer / init/time	<table border="0"><thead><tr><th>Task Team</th><th>Members</th><th>SSN</th><th>Discipline (IM, MM, etc.)</th></tr></thead><tbody><tr><td>Team Leader</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td></td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td></td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td></td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>Operations</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>RADCON</td><td>_____</td><td>_____</td><td>_____</td></tr></tbody></table> Briefing By: Lead Briefer: Init _____ RADCON Init _____ ___ Description of Problems ___ Procedures to be Used ___ Tools Needed ___ Equipment Needed ___ Clearance Required (Hold Orders) ___ Ops Support ___ Safety Evaluation of Job ___ Key(s) needed for job ___ Radiation Work Permit (RWP) ___ RADCON Support ___ Hazards Between OSC and Work Location ___ Route to/from Work Area ___ Contact Briefer prior to returning from field ___ List (Read) debriefing questions to be asked ___ Copy of Briefing Form given to team with Tele #s ___ Maintain routine contact with team while in the field. Method of _____ TSC Results Hotline (x8611) _____ Messenger Communication: _____ Pager # _____ Phone # _____ _____ Radio (Channel:) Radio Sensitive Area? ___ Yes ___ No (BP-364)	Task Team	Members	SSN	Discipline (IM, MM, etc.)	Team Leader	_____	_____	_____		_____	_____	_____		_____	_____	_____		_____	_____	_____	Operations	_____	_____	_____	RADCON	_____	_____	_____
Task Team	Members	SSN	Discipline (IM, MM, etc.)																										
Team Leader	_____	_____	_____																										
	_____	_____	_____																										
	_____	_____	_____																										
	_____	_____	_____																										
Operations	_____	_____	_____																										
RADCON	_____	_____	_____																										
RADCON / init/time	RADCON Requirements: RWP Required: ___ Yes ___ No If yes, RWP # _____ SCBA ___ Respirator ___ Dressout ___ Other _____ Emerg Exposure Appl. (EPIP-15 by SED) Yes ___ (___ REM) No ___ N/A ___ KI Approval (By TSC RADCON Manager or designee) Yes ___ No ___ N/A ___																												
OSC Mgr / init/time	FINAL APPROVAL to release team ___ Team Necessary ___ Radiological Conditions have not changed since briefing ___ Announce to OSC areas: "Is there any reason that we should not dispatch this team at this time?"																												

**APPENDIX G
OSC RADCON SUPERVISOR**

(Page 1 of 3)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Inits/Time

____/____

ENTER keycard into the Accountability Badge Reader.

____/____

SIGN in on the OSC Staffing Chart and PUT ON position badge.

____/____

SIGN the OSC Roster. (Appendix U)

____/____

ESTABLISH a log of communications and activities.

____/____

ESTABLISH communications with the TSC RADCON Manager.

____/____

ESTABLISH communications with the RADCON Lab Supervisor.

____/____

ENSURE adequate RADCON staffing available for emergency response (dosimetry support, RWP support, boardwriter, clerical).

____/____

CONTROL eating and drinking in the OSC until habitability has been established.

____/____

ENSURE habitability surveys are current for the OSC areas, TSC, and Control Room and assembly areas as listed in EPIP-8.

____/____

ASSIGN HIS-20 computer operator.

____/____

ENSURE that RADCON Techs are called in from home to provide staffing as required by EPIP-14.

____/____

LOCATE all RADCON persons/teams currently and previously tasked and ensure they are tracked on the Emergency Response Teams Board.

APPENDIX G
OSC RADCON SUPERVISOR
(Page 2 of 3)

OPERATIONAL RESPONSIBILITIES

- Provide and coordinate RADCON resources as necessary.
- Provide direction to the RADCON Lab.
- Ensure RADCON Teams are dispatched through the OSC. (Tracked on Emergency Response Teams Board.)
- Ensure emergency response teams have adequate RADCON/dosimetry coverage.
- Brief the OSC Manager and OSC Staff of radiological conditions as needed.
- Provide immediate radiological information to OSC staff as conditions change.
- Brief the TSC RADCON Manager of the RADCON resources and radiological conditions as needed.
- Ensure "Environmental Problems" segment of Plant Status Board is correct.
- Ensure that all predressed OSC staging area teams are issued proper dosimetry and have been evaluated for radiological access.
- Provide assistance to the OSC Manager as needed.
- Periodically check habitability of TSC, OSC, and Control Room, if radiological conditions Administer KI to emergency response teams according to EPIP-14. (Forward Potassium Iodine Issue Report, to the TSC RADCON Manager.)
- Maintain log of communications and activities.
- Provide adequate turnover when a shift change occurs.
- Log-on to Integrated Computer System (ICS).

APPENDIX G
OSC RADCON SUPERVISOR
(Page 3 of 3)

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.
- Assists in forming re-entry and recovery plans.
- Ensures outlining emergency response groups (i.e., line crews, warehouse) have dosimetry and are being protected throughout the emergency.

**APPENDIX H
OSC RADCON BRIEFER**

(Page 1 of 4)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Inits/Time

____/____

ENTER keycard into the Accountability Badge Reader.

____/____

SIGN in OSC on the Staffing Chart.

____/____

SIGN the OSC Roster. (Appendix U)

____/____

ESTABLISH a log of communications and activities.

____/____

NOTIFY the OSC RADCON Supervisor of arrival.

____/____

ACCESS RADCON Party Line (ext. 4103) as necessary.

____/____

ENSURE that personnel reporting to the OSC teams staging area are briefed as time allows using page 3 of 4 of Appendix H as an orientation for responders.

**APPENDIX H
OSC RADCON BRIEFER**

(Page 2 of 4)

OPERATIONAL RESPONSIBILITIES

- Provide radiological technical assistance to the Briefing Teams.
- Provide radiological conditions analysis of the job assigned to the emergency response teams.
- Assist with portions of the OSC Team Briefings.
- Complete applicable portions of Appendix F, the OSC Team Tracking/Briefing/Debriefing Form.
- Ensure radiological data is collected and reported back to the OSC in an expeditious manner for planning and prioritizing further emergency response activities.
- Ensure TLDs are collected and processed from returning team members.
- Assist in the administration of KI according to EPIP 14.
- Maintain log of communications and activities.
- Provide adequate turnover when a shift change occurs.
- Ensures that the radiological information on the OSC status board is accurate.
- Ensures that personnel reporting to the OSC Teams Staging Area are briefed as time allows using page 3 of 4 of Appendix H as an orientation for responders.

**APPENDIX H
OSC RADCON BRIEFER**

(Page 3 of 4)

EMERGENCY RESPONSE TEAMS STAGING AREA ORIENTATION

(RADCON will brief responders as conditions allow on the contents of this list.)

- Stay continuously aware of REP status and in plant conditions.
- Plan contingencies when assigned a team (anticipate needs and hazards) prior to entering accident area.
- Communicate with briefers on a regular basis. Be aware of radio dead spots in the Plant (e.g., El. 676, RHR pump rooms). Perform functional check of radio and equipment prior to entering Auxiliary Building or accident area. Use repeat-backs for effective transfer of information. BP-364 lists radio sensitive areas of the plant.
- Perform applicable pathway surveys to and from work location.
- Relay data promptly and frequently to the OSC! This information is critical in assessing plant conditions and protection of personnel. Consideration should be given to designating a runner to telephone data if necessary.
- If on a pathway and the team encounters a field of >1000 mrem/HR advise the OSC.
- If when arriving to destination team encounters a field of >1000 mrem/HR, return to lower dose area and advise OSC.
- Stay together as a team for accountability.
- In-plant conditions are dynamic, OSC will continually advise the team of any changes while in the field.
- If for some reason the scope of the job changes while in the field, notify the OSC.
- Note any unusual plant conditions (frisker increases, liquid leaks, poor visibility, etc.), advise OSC.
- Use appropriate techniques to reduce exposure and maximize safety.
- When in the field, use available supplies in RADCON cabinets if needed.
- Contact RADCON briefer upon completion of task.
- Primary accident condition RWPS are available; please familiarize yourself with them, RADCON will brief the team on the RWP.
- If possible, keep a written log of team activities while in the field.
- Contact RADCON or OSC for return route in the event of change of event conditions, etc.

APPENDIX H
OSC RADCON BRIEFER
(Page 4 of 4)

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.
- Assists in forming re-entry and recovery plans.

WBN	ACTIVATION AND OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)	EPIP-7
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APPENDIX I OSC OPERATIONS ADVISOR

(Page 1 of 2)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Initis/Time

___/___

ENTER into the Accountability Badge Reader.

___/___

SIGN in on the OSC Staffing Chart.

___/___

SIGN the OSC Roster. (Appendix U)

___/___

ESTABLISH a log of activities and communications.

___/___

ESTABLISH communications with the TSC Operations Manager for updates and to obtain Operations support.

___/___

CALL-IN AUOs\Operations personnel from offshift to support OSC activities (Minimum of 3 AUOs are usually needed in the OSC).

___/___

ESTABLISH communications with the Control Room Communicator via the Control Room party-line.

___/___

LOG ON to Integrated Computer System (ICS) terminal.

___/___

ANNOUNCE on the portable radio: "AUO's report to the OSC." (repeat)

**APPENDIX I
OSC OPERATIONS ADVISOR**

(Page 2 of 2)

OPERATIONAL RESPONSIBILITIES

- Direct AUO's to maintain a log, and listen to the Operations Party Line to remain current on Plant Status.
- Provide plant operations advice to support the OSC Manager.
- Provide Operational advice to support the entire OSC, including Briefing Teams as needed. (Additional AUOs can be used to assist in briefing teams.)
- Provide personnel for any operations actions that may be required while in the field.
- Keep the TSC Operations Manager, and Operations Communicator apprised of the OSC Team activities while in the field.
- Operate ICS terminal in the OSC as needed.
- Ensure the OSC Plant Status Board is correct.
- Maintain log of communications and activities.
- Provide adequate turnover when a shift change occurs.

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.
- Assists in forming re-entry and recovery plans.

**APPENDIX J
OSC FIRE PROTECTION ADVISOR**

(Page 1 of 2)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Inits/Time

___/___ **ENTER** keycard into the Accountability Badge Reader.

___/___ **SIGN** in on the OSC Staffing Chart.

___/___ **SIGN** OSC Roster. (Appendix U)

___/___ **ESTABLISH** a log of activities and communications.

___/___ **ESTABLISH** communications with the Fire Operations Unit or the Fire Station to provide plant status updates.

APPENDIX J
OSC FIRE PROTECTION ADVISOR
(Page 2 of 2)

OPERATIONAL RESPONSIBILITIES

- Monitor plant status and fire response.
- Support EPIP-10, Medical Emergency Response, as needed.
- Support EPIP-17, Fire Emergency Response, as needed.
- Initiate and provide first response for hazardous material containment.
- Initiate personnel search and rescue in hazardous areas.
- Maintain log of communications and activities.
- Provide adequate turnover when a shift change occurs.

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.
- Assists in forming re-entry and recovery plans.

**APPENDIX K
OSC CHEMISTRY ADVISOR**

(Page 1 of 2)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Initis/Time

____/____

ENTER keycard into the Accountability Badge Reader.

____/____

SIGN in on the OSC Staffing Chart.

____/____

SIGN OSC Roster. (Appendix U)

____/____

ESTABLISH a log of activities and communications.

____/____

ESTABLISH communications with the TSC Chemistry Manager.

____/____

ESTABLISH communications with Chemistry Lab staff.

____/____

CALL the assigned Chemistry Shift Leads to support OSC operations.

**APPENDIX K
OSC CHEMISTRY ADVISOR**

(Page 2 of 2)

OPERATIONAL RESPONSIBILITIES

- Provide and coordinate Chemistry personnel needed to support the OSC.
- Provide Chemistry technical content in emergency team briefings as necessary.
- Dispatch the Post-Accident Sampling System (PASS) team as directed by the TSC.
- Maintain a communications link with the TSC Chemistry Manager.
- Maintain log of communications and activities.
- Provide adequate turnover when a shift change occurs.
- Provide/assist in obtaining Release/Pathway information as needed.
- Provide Chemistry data (primary and secondary) of initiating conditions and provide ongoing Chemistry information.

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.
- Assists in forming re-entry and recovery plans.

**APPENDIX L
OSC CLERK**

(Page 1 of 3)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Inits/Time

____/____ **ENTER** keycard into the Accountability Badge Reader.____/____ **SIGN** in on the OSC Staffing Chart.____/____ **SIGN** the OSC Roster. (Appendix U)____/____ **ESTABLISH** a log of activities and communications.____/____ **NOTIFY** other staff to report to the OSC as determined by the OSC Manager.

**APPENDIX L
OSC CLERK**

(Page 2 of 3)

OPERATIONAL RESPONSIBILITIES

- Ensure the OSC Status Boards are continuously updated to reflect current plant conditions.
- Ensure OSC responders have signed the OSC roster.
- Ensure a log is maintained of all important OSC activities.
- Collect and maintain all original copies of OSC generated records.
- Provide records to the WBN Emergency Preparedness (EP) Manager when the OSC is deactivated.
- Maintain log of communications and activities.
- Provide OSC team status reports to the control room on a periodic basis.
- Provide adequate turnover when a shift change occurs, and utilizes Appendix V to activate additional OSC responders.
- Assist OSC responders in obtaining their TLDs.

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.
- Assists in forming re-entry and recovery plans.

APPENDIX L OSC CLERK

(Page 3 of 3)

EMERGENCY RESPONSE TEAMS

TO: SM in MCR (Simulator for Drills)

FROM: ____/____/____/____/____/____

FAX to the SM (8463) and TSC (8365)

(For drills FAX to the SM/simulator at x8363).

Priority	Team	Task Location	Lead Briefer/Team Leader/RC Tech	Comments/Status	Time Briefed	Time Out	Time In	Time Debriefed
			L. Briefer: _____ T. Leader: _____ RC Tech: _____					
			L. Briefer: _____ T. Leader: _____ RC Tech: _____					
			L. Briefer: _____ T. Leader: _____ RC Tech: _____					
			L. Briefer: _____ T. Leader: _____ RC Tech: _____					
			L. Briefer: _____ T. Leader: _____ RC Tech: _____					
			L. Briefer: _____ T. Leader: _____ RC Tech: _____					
			L. Briefer: _____ T. Leader: _____ RC Tech: _____					
			L. Briefer: _____ T. Leader: _____ RC Tech: _____					

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**APPENDIX M
OSC BRIEFING TEAM**

(Page 1 of 2)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Inits/Time

___/___

ENTER keycard into the Accountability Badge Reader.

___/___

SIGN in on the OSC Staffing Chart.

___/___

SIGN the OSC Roster. (Appendix U)

___/___

ESTABLISH a log of communications and activities.

___/___

REPORT any conditions in the plant which may be related to the emergency condition.

**APPENDIX M
OSC BRIEFING TEAM**

(Page 2 of 2)

OPERATIONAL RESPONSIBILITIES

- Provide Mechanical, Electrical, and Instrument technical expertise.
- Notify Mechanical, Electrical, Instrument Foremen to report with crews to the OSC Staging Area.
- Evaluate job conditions (including RADCON, Fire Operations, and Operational aspects of the task) and analyze the necessary precautions and methods best suited to safe performance of the task.
- Brief the OSC Teams based on the analysis of the job.
- Track, communicate and monitor safety of the OSC Teams while in the field.
- Debrief the OSC Teams after completion of the task.
- Complete applicable portions of Appendix F, OSC Team Briefing/Debriefing Form.
- Operates Curator computer as needed to provide OSC team briefing information.
- Maintain log of communications and activities.
- Provide adequate turnover when a shift change occurs.

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.

WBN	ACTIVATION AND OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)	EPIP-7
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**APPENDIX N
OSC INDUSTRIAL SAFETY ADVISOR**

(Page 1 of 2)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Initis/Time

____/____

ENTER keycard into the accountability card reader.

____/____

SIGN the OSC Staffing Chart.

____/____

SIGN the OSC Roster. (Appendix U)

____/____

ESTABLISH a log of communications and activities.

WBN	ACTIVATION AND OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)	EPIP-7
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APPENDIX N
OSC INDUSTRIAL SAFETY ADVISOR
(page 2 of 2)

OPERATIONAL RESPONSIBILITIES

- Ensure the OSC Manager/OSC Staff are aware of safety hazards that could affect emergency response activities.
- Assist Briefing Teams in preparing applicable portions of Appendix F, OSC Team Tracking/Debriefing Form.
- Assist Briefing Teams in briefing process. Ensure teams have adequate safety apparel and equipment to complete emergency team assignments.
- Assist in obtaining/procuring adequate safety equipment.
- Assist in the team debriefing process as needed.
- Ensure safety hazard information obtained from returning teams flows back into the OSC in a timely expeditious manner. Incorporate significant information into the prioritizing and emergency team briefing process.
- Maintain log of communications and activities.
- Provide adequate turnover when a shift change occurs.

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.

**APPENDIX O
OSC NUCLEAR SECURITY ADVISOR**

(Page 1 of 1)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Inits/Time

____/____

ENTER keycard into the Accountability Badge Reader.

____/____

SIGN in on the OSC Staffing Chart.

____/____

SIGN the OSC Roster. (Appendix U)

____/____

ESTABLISH a log of communications and activities.**OPERATIONAL RESPONSIBILITIES**

- Ensure the OSC Manager/OSC Staff are aware of security hazards that could affect emergency response activities.
- Remain cognizant of Plant Radiological Conditions and report the location(s) of Security Personnel\Patrols (as needed) to RADCON and the OSC Manager.
- Provide assistance to briefing teams as needed.
- Ensure security provides expeditious emergency entries and exits for teams dispatched from the OSC.
- Ensure adequate staffing is available to support EPIP-8, "Personnel Accountability and Evacuation," when implementing assembly and accountability or evacuations.
- Provide Security support for search and rescue operations and other necessary emergency response actions.
- Maintain log of communications and activities.
- Provide adequate turnover when a shift change occurs.

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.

**APPENDIX P
OSC TEAMS COORDINATOR**

(Page 1 of 3)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Inits/Time

____/____

ENTER keycard into the Accountability Badge Reader.

____/____

SIGN in on the OSC Staffing Chart.

____/____

SIGN the OSC Roster. (Appendix U)

____/____

ESTABLISH a log of communications and activities.

____/____

USE Page 3 of 3 of this Appendix to organize an OSC Teams Staging Area.

____/____

ENSURE OSC tool kits have been moved from the Toolroom in the Maintenance Shop to the OSC Teams Staging Area.

____/____

ENSURE the following minimum number of personnel come to the prestaging area (these numbers are approximate depending on plant conditions):

4 Electrical Maintenance

6 Mechanical Maintenance

2 I&C Maintenance

3 AUOs from Main Control Room Kitchen (or from home)

NOTE: This is not a comprehensive list. The emergency may or may not require all of these positions to be prestaged. This is only a suggested list.

APPENDIX P
OSC TEAMS COORDINATOR
(Page 2 of 3)

OPERATIONAL RESPONSIBILITIES

- Maintain contact with Assistant OSC Manager.
- Manage the Emergency Response Team staging area by:
 1. Directing responders (potential OSC teams) to check-in with the HIS-20 Operator.
 2. Requiring all potential OSC team members to dress out.
 3. Prepare emergency responders to be dispatched.
- Ensure that OSC briefers know who is available in the OSC Teams Staging Area by periodically distributing lists of personnel awaiting assignments.
- Ensure that every team is debriefed upon returning.

DEACTIVATION RESPONSIBILITIES

- Ensures all teams are accounted for and properly debriefed.
- Ensures all logs and team briefing forms are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.

**APPENDIX Q
OSC NUCLEAR STORES COORDINATOR**

(Page 1 of 1)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Initis/Time

____/____

ENTER keycard into the Accountability Badge Reader.

____/____

SIGN in on the OSC Staffing Chart.

____/____

SIGN OSC Roster. (Appendix U)

____/____

ESTABLISH a log of communications and activities.

OPERATIONAL RESPONSIBILITIES

- Provides coordination between Power Stores and the OSC.
- Provides materials as expeditiously as possible for emergency response activities.
- Operates mainframe computer to determine materials availability.

DEACTIVATION RESPONSIBILITIES

- Ensures all records (anything written down during the OSC activation) are completed and signed.
- Leave all papers at your station which will be collected and properly stored by WBN Emergency Preparedness.

**APPENDIX R
WORK CONTROL BOARDWRITER**

(Page 1 of 2)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Initis/Time

____/____

ENTER keycard into the Accountability Badge Reader.

____/____

SIGN in on the OSC Staffing Chart.

____/____

SIGN the OSC Roster. (Appendix U)

____/____

ESTABLISH a log of communications and activities.

____/____

PROVIDE a status of current work control plant activities to the OSC for immediate analysis to:

- Determine if any ongoing work is related to the emergency.
- Determine if current jobs should be continued, expedited or stopped.

APPENDIX R
WORK CONTROL BOARDWRITER
(Page 2 of 2)

OPERATIONAL RESPONSIBILITIES

- Maintain contact on control room party line on x4102.
- Maintain OSC status boards.

DEACTIVATION RESPONSIBILITIES

- Ensures all records (anything written down during the OSC activation) are complete and signed.
- Leave all papers at work station which will be collected and properly stored by WBN Emergency Preparedness.

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**APPENDIX S
RADCON BOARDWRITER**

(Page 1 of 2)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Initis/Time

___/___

ENTER keycard into the Accountability Badge Reader.

___/___

SIGN in on the OSC Staffing Chart.

___/___

SIGN the OSC Roster. (Appendix U)

___/___

ESTABLISH a log of communications and activities.

___/___

ESTABLISH contact on the RADCON Party-line (ext. 4103).

APPENDIX S
RADCON BOARDWRITER
(Page 2 of 2)

OPERATIONAL RESPONSIBILITIES

- Maintains the radiological status boards by providing a radiological sequence of events.
- Maintains copies of radiological status board as conditions change.
- Notifies the OSC RADCON Supervisor of changes in radiological conditions.
- Maintains contact on RADCON Party Line (ext. 4103).
- Maintains radiological status elevation maps to provide a clear status of radiological conditions at all times.
- Maintains a clear status of eating and drinking in the OSC areas on the Radiological Status Board.

DEACTIVATION RESPONSIBILITIES

- Ensures all records (anything written down during the OSC activation) are complete and signed.
- Leaves all papers at work station which will be collected and properly stored by WBN Emergency Preparedness

**APPENDIX T
DCRM COORDINATOR**

(Page 1 of 1)

INITIAL OSC ACTIVATION CHECKLIST

Date: _____

Inits/Time

____/____

ENTER keycard into the Accountability Badge Reader.

____/____

SIGN in on the OSC Staffing Chart.

____/____

SIGN the OSC Roster (Appendix U).

____/____

ENSURES that current EPIP-7 copies are available for all OSC responders.

____/____

ESTABLISH a log of communications and activities.

____/____

ENSURE OSC Manager has a controlled copy of the EIPs on his desk.**OPERATIONAL RESPONSIBILITIES**

- Provides DCRM expertise as needed.
- Provides drawings, documents, vendors manuals as requested by OSC.
- Assists in OSC logistics as requested.

DEACTIVATION RESPONSIBILITIES

- Ensures all records (anything written down during the OSC activation) are complete and signed.
- Leaves all papers at work station which will be collected and properly stored by WBN Emergency Preparedness.

APPENDIX U

OSC ROSTER

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[illegible]

Date of OSC Activation

WBN EP Records Coordinator

APPENDIX V

EMERGENCY RESPONDER NOTIFICATION FORM

Page 1 of 1

Fitness for Duty

Person Calling_____

Date _____

Department _____

[illegible]

(1) REFER TO SPP-1.5, Overtime Restrictions (Regulatory)