



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000

JAN 05 2001

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

10 CFR 50, App E.

Gentlemen:

In the Matter of )  
Tennessee Valley Authority )

Docket No. 50-390

WATTS BAR NUCLEAR PLANT (WBN) - EMERGENCY PLAN IMPLEMENTING  
PROCEDURE (EPIP) REVISION

In accordance with the requirements of 10 CFR Part 50, Appendix E,  
Section V, the enclosure provides the following EPIP:

<u>EPIP</u>	<u>Rev</u>	<u>Title</u>	<u>Effective Date</u>
EPIP-8	14	Personnel Accountability and Evacuation	12-11-2000

Filing instructions are included with this document.

There are no regulatory commitments in this letter. If you should  
have any questions, please contact me at (423) 365-1824.

Sincerely,

P. L. Pace  
Manager, Licensing and Industry Affairs

Enclosure  
cc: See Page 2

A045

U.S. Nuclear Regulatory Commission  
Page 2

**JAN 0 5 2001**

PLP:JES

Enclosure

cc (Enclosure)

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# FILING INSTRUCTIONS

DOCUMENT NUMBER EPIP-8

REMOVE REVISION 13 INSERT REVISION 14

Comments \_\_\_\_\_  
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**TENNESSEE VALLEY AUTHORITY**

**WATTS BAR NUCLEAR PLANT**

**EMERGENCY PLAN IMPLEMENTING  
PROCEDURES**

**EPIP-8**

**PERSONNEL ACCOUNTABILITY AND EVACUATION**

Revision 14

Unit 0

**QUALITY RELATED**

PREPARED BY: Ben McNew  
(Type Name)

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY: Frank L. Pavlechko

EFFECTIVE DATE: 12/11/00

LEVEL OF USE: REFERENCE

<b>WBN</b>	<b>PERSONNEL ACCOUNTABILITY AND EVACUATION</b>	<b>EPIP-8 Revision 14 Page 2 of 30</b>
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**REVISION DESCRIPTION:**

Revision Number	Implementation Date	Description of Revision
0	04/24/90	New WBN-EPIP. Supersedes IP-8.
1	12/04/90	General Revision. Revised to conform to new "protected area" configuration. Alarm descriptions revised. New assembly areas designated. Added Attachments for protected area diagram and "construction site controlled area designated assembly areas."
2	02/10/93	General Format Revised. Map revised to show "protected area" and "site perimeter" configuration. Instructions revised and placed in responsibility appendices to improve clarity and use. Assembly areas for Nuclear Construction and other site buildings revised. Maps were included to provide additional information. Instructions for Assembly Areas added. Automated Accountability System Failure Guidelines added.
3	08/16/93	Editorial (non-intent) and format changes. Offsite staging areas were changed to better support site emergency operations. Phone numbers revised. Automated Accountability System Failure changed from collect PA badges to accountability cards to support Security request to avoid Protected Area compromise by unauthorized personnel. Source notes added to the procedure.
4	4/11/94	Revised incorrect DAC value and added one step to Appendix C. Revised maps in Appendices A, C, and H for clarity. Added words in Appendix C for Security to activate the assembly card readers.
5	10/14/94	Revised map in Appendix C. Revised phone numbers where needed. Automated Security System Failure Guidelines revised to meet new system design.
6	2/23/95	Editorial (non-intent) and format changes. Phone numbers revised. Protected area added before badge card to denote correct badge to use. Card reader location information enhanced for user identification.
7	4/21/95	Decontamination steps in Appendix H enhanced to provide clear instructions. Phone numbers revised. Editorial (non-intent) changes made.

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**REVISION DESCRIPTION:**

Revision Number	Implementation Date	Pages Affected	Description of Revision
CN-1	9/28/95	12, 17, 20	(Non-intent), phone numbers revised (i.e., new area code).
8	2-29-96	3, 11, 17, 18, 20, 27, 28, 29	Non-intent changes made to offsite assembly areas due to removal or nonutilization of the structures. Construction references revised to MODS. Phone number revisions made.
9	8/16/96	3, 4, 6, 10-13, 15-18, 20, 22, 23, 25, 27, 29	Non-intent changes made to identify new shift titles, offsite assembly areas, new building titles, and other format changes, to enhance usability.
CN-1	2/15/97	8,12	Non-intent revision. Added step concerning decontamination support from SQN to the SMs check list so that it corresponded to the Radcon check list. Added owner controlled area ID to the map in Appendix A.
CN-2	3/27/97	3,10,12,13	TEMA additional back-up number added, counties changed phone numbers.
CN-3	2/2/98	3,17,18,20, 25,27,28,29	Removed references to MODs Inprocessing Center
10	6/30/98	All	Non-intent Changes. Incorporated Change Notices 1, 2, and 3. Phone # revision. Typographical Error corrected.
11	12/08/99	All	Non-intent change. Warehouse phone number revised on page 17.
12	02/07/00	All	Non-intent change. Revised phone number.
13	06/14/00	All	Non Intent change. Revised phone numbers to the MET station and McMinn Co. Revised description location of security portal to include (West) portal. Added TVA Police number to near site organizations. This revision resolves problems identified in WBN PER, 006394.
14	12/11/00	All	Non Intent changes. Corrected the fax number for the Main Warehouse to use the fax closest to the assembly area. Revised requirements for visitor(s) and MODS personnel to remain in the Protected area during assembly and accountability operations per directions of the EP PEER Team and TVAN requirements for standardization. Removed reference to the all clear alarm which is being eliminated for standardization purposes.

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## **1.0 PURPOSE<sup>1,2,4</sup>**

This Procedure provides instructions for accounting for all onsite personnel and visitors prior to an orderly evacuation of a building(s) and/or the site during a radiological or toxic hazard emergency. This Procedure describes the method for notifying all site personnel and gives guidance for reentry initiation. This Procedure also describes the method for notifying other TVA facilities near the nuclear plant if evacuation from WBN is anticipated.

## **2.0 RESPONSIBILITY<sup>2,3,4</sup>**

- A. The SED is responsible for ordering Site Accountability or a limited/total evacuation of Site personnel.
- B. The duties/responsibilities of Nuclear Security and the other site disciplines involved in Accountability and Evacuations are identified in the Appendices of this Procedure.
- C. It is the responsibility of each onsite organization to ensure their personnel are informed of their responsibilities in regard to assembly/accountability.
- D. It is the responsibility of every person onsite to know the location and proper use of accountability card readers and/or the location of assembly areas.

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### 3.0 INSTRUCTIONS<sup>2,4</sup>

#### 3.1 Definitions and General Instructions

- A. "Protected Area" - area within the security fence through which access is controlled.
- B. "Site Perimeter Area" - area between the protected area and the outermost fence/buildings surrounding the plant.
- C. "Owner-Controlled Area" - area which lies between the Site Perimeter Area and the TVA Site Boundary. (all these areas are identified in Appendix A)
- D. Assembly and Accountability Alarm - Three (3) minute slow undulating siren.
- E. Particular Area Evacuation Announcement - an announcement over the Public Address (PA) system addressing evacuation of an identified area.
- F. Non-essential personnel - site personnel who do not have a specific role in the emergency response organization. Personnel who have not received Emergency Preparedness training identified in TRN-30, Radiological Emergency Preparedness Training, excluding General Employee Training (GET).
- G. Assembly/Accountability activities - considered for emergencies classified as an ALERT and **shall** be conducted for emergencies classified as SITE AREA EMERGENCY or GENERAL EMERGENCY.
- H. Accountability will be monitored and controlled from the "Central Alarm Station" (CAS).

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### **3.0 INSTRUCTIONS**

#### **3.2 Accountability/Evacuation, Checklists and Guidelines<sup>3</sup>**

Guidelines for key responders and support personnel are covered in the following appendices:

- Appendix A**      Protected Site Perimeter/Owner Controlled Area Map
- Appendix B**      SM/SED Particular Area (Limited ) Evacuation Checklist
- Appendix C**      SM/SED Assembly/Accountability/Evacuation Checklist(s)
- Appendix D**      NS Assembly/Accountability/Evacuation Checklist
- Appendix E**      Assembly Areas (Outside the Protected Area)  
Information Sheet
- Appendix F**      Nearsite Organization Information Sheet
- Appendix G**      Automated Accountability System Failure Guidelines
- Appendix H**      RADCON Assembly/Accountability/Evacuation Guidelines
- Appendix I**      Onsite Emergency Responder Duties
- Appendix J**      Site Personnel (Non Responder) Duties

### **4.0 RECORDS**

#### **4.1 QA Records**

None

#### **4.2 Non-QA Records**

Checklist, Logs, and Security Computer Roll Call List of accountability operations, will be sent to the WBN Emergency Planning Manager for retention.

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## **5.0 REFERENCES**

### **5.1 Interfacing Documents**

TVA NP Radiological Emergency Plan (REP)

WBN EPIP-3 Alert

WBN EPIP-4 Site Area Emergency

WBN EPIP-5 General Emergency

WBN EPIP-6 Activation and Operation of the Technical Support Center (TSC)

WBN EPIP-7 Activation and Operation of the Operations Support Center (OSC)

WBN EPIP-11 Security and Access Control

WBN EPIP-13 Termination of the Emergency and Recovery

### **5.2 Other Documents**

NUREG-0654 Criteria for Preparation and Evaluation of Radiological  
Emergency Response and Preparedness in Support of Nuclear Power Plants

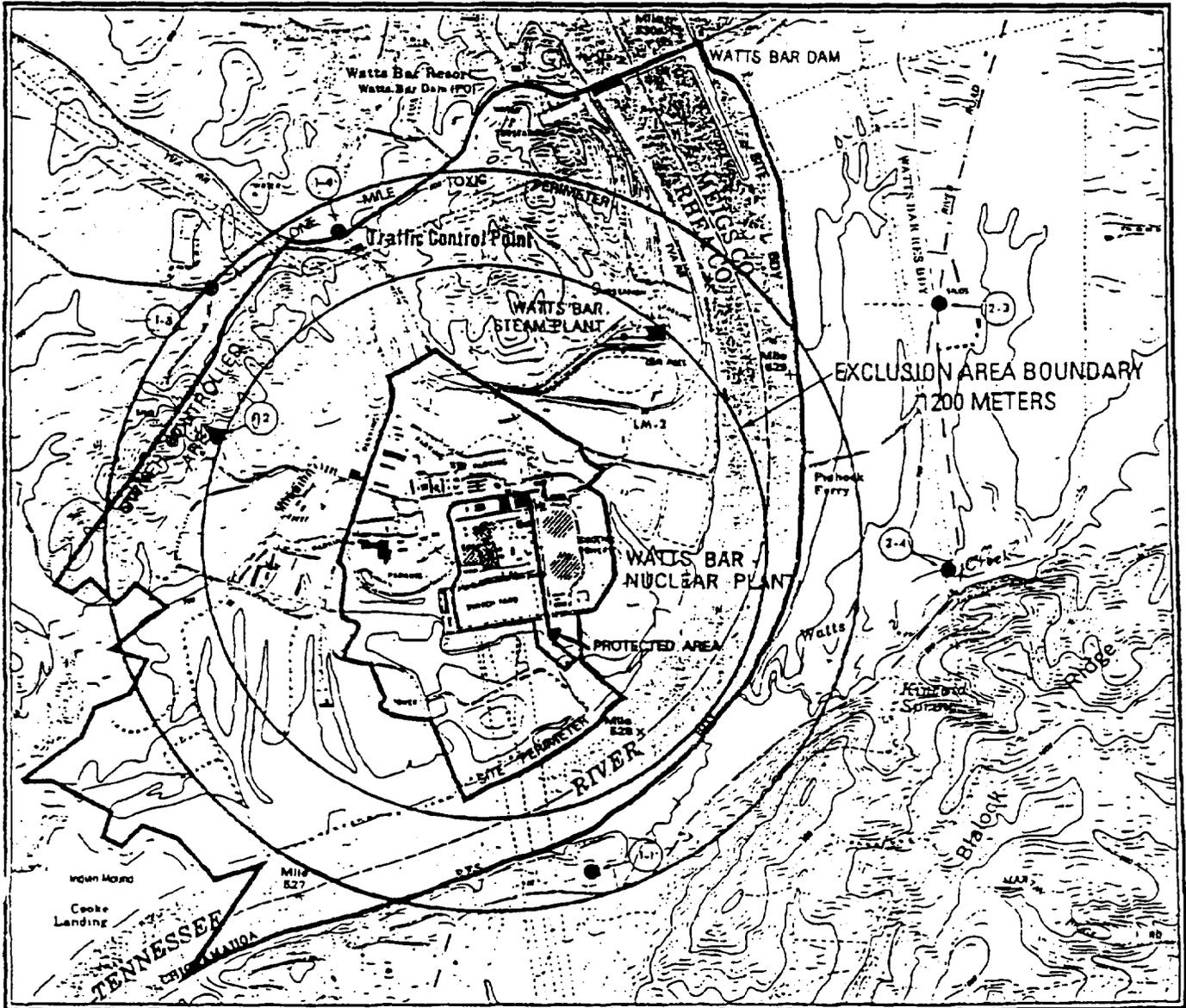
Title 10, Code of Federal Regulation Part 50, Appendix E

ANSI N18.7-1976

<p style="text-align: center;">WBN</p>	<p style="text-align: center;"><b>PERSONNEL ACCOUNTABILITY AND EVACUATION</b></p>	<p style="text-align: center;"><b>EPIP-8 Revision 14 Page 8 of 30</b></p>
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APPENDIX A  
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**PROTECTED SITE PERIMETER/OWNER CONTROLLED  
AREA MAP**





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APPENDIX C  
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## SM/SED ASSEMBLY/ACCOUNTABILITY CHECKLIST

<b>Assembly/Accountability</b>		
A.	<b>NOTIFY</b> Security (CAS), #8464 or 8495, that you are about to start Assembly and Accountability	<input type="checkbox"/>
B.	<b>DIRECT</b> all site personnel to report to their designated assembly areas for accountability.	<input type="checkbox"/>
C.	<b>ACTIVATE</b> the Assembly and Accountability Alarm; <b>REPEAT</b> if necessary.	<input type="checkbox"/>
D.	<b>FORM</b> a team composed of Operations and RADCON personnel (if necessary) to ensure that known high noise areas have been evacuated.	<input type="checkbox"/>
E.	<b>IF</b> the radiation level in any assembly area is <b>100 mrem/hr</b> , <b>OR IF</b> airborne radioactivity exceeds 10 CFR 20 DAC limits, or if toxic/security hazards exist in or near an assembly area. <b>CONSIDER</b> evacuation of the affected assembly area(s) to acceptable alternate areas.	<input type="checkbox"/>
F.	<b>MAKE</b> a PA announcement <b>and USE</b> Emergency Dispatches and/or other means to inform site personnel of needed information or directions.	<input type="checkbox"/>
G.	<b>RECEIVE</b> final accountability report from NS and initiate search and rescue operations (if necessary).	<input type="checkbox"/>

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**SM/SED SITE EVACUATION CHECKLIST**

**Site Evacuation**

**Note 1:** The implementation of a site evacuation should be based on the protective actions which will result in the lowest personal exposure. In a radiological or hazardous material emergency, evacuation should be initiated either before or after the passage of the release. Evacuation routes should be chosen to lead personnel away from the path of the plume or danger.

**Note 2:** Based on ongoing emergency activities in the local communities (if activated) discussions with the CECC, Meigs, Rhea, and McMinn Counties, EOC officials may be warranted to identify traffic conditions, road weather conditions, or any other hazards that would effect evacuation.

- A. **NOTIFY** the Central Emergency Control Center (CECC) Director of the impending evacuation. (5-751-1614) (IF not staffed, **NOTIFY** the Operations Duty Specialist, 5-751-1700)
- B. **CONSIDER** first the precautionary evacuation of all non-essential personnel (outside the Protected Area) from the site. These personnel will be assembled in their designated assembly areas. (Appendix E) Once completed, non-essential personnel within the Protected Area can be evacuated.
- C. **PROVIDE** any special instructions to assembly areas through PA announcements, Emergency Dispatches or NS communications. Coordination with RADCON may be necessary prior to these announcements.
- D. **IN** the event of a total plant **EVACUATION**, determine the need for non-essential personnel, and vehicles to pass through a RADCON check point (if deemed necessary) prior to being released from the site.<sup>5</sup>
- E. **IF** radiation levels in assembly areas are unsafe for occupancy, designate alternate points and direct personnel to go there.
- F. **EVACUATION** of onsite non-contaminated individuals should take place along normal exit routes away from the site, conditions permitting. **DIRECT NS** to provide appropriate personnel to direct traffic on Route 68.



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<b>Site Evacuation</b> (continued)		
L.	Conditions permitting, you may recall evacuated people as needed.	<input type="checkbox"/>
M.	Perform other duties as needed and keep the CECC informed of site activities	<input type="checkbox"/>

**SED PLANT/AREA RE-ENTRY GUIDELINES**

- A. As soon as possible after personnel evacuation has been accomplished, instructions will be initiated to restore the plant to normal conditions. However, before any reentry is attempted, complete radiological surveys will be made if the cause of the evacuation was radiological in nature. The SED will authorize reentry only when he/she is assured that the emergency is under control.
  
- B. In a long term emergency, the Termination and Recovery guidelines (WBN EPIP-13) should be reviewed for additional information.

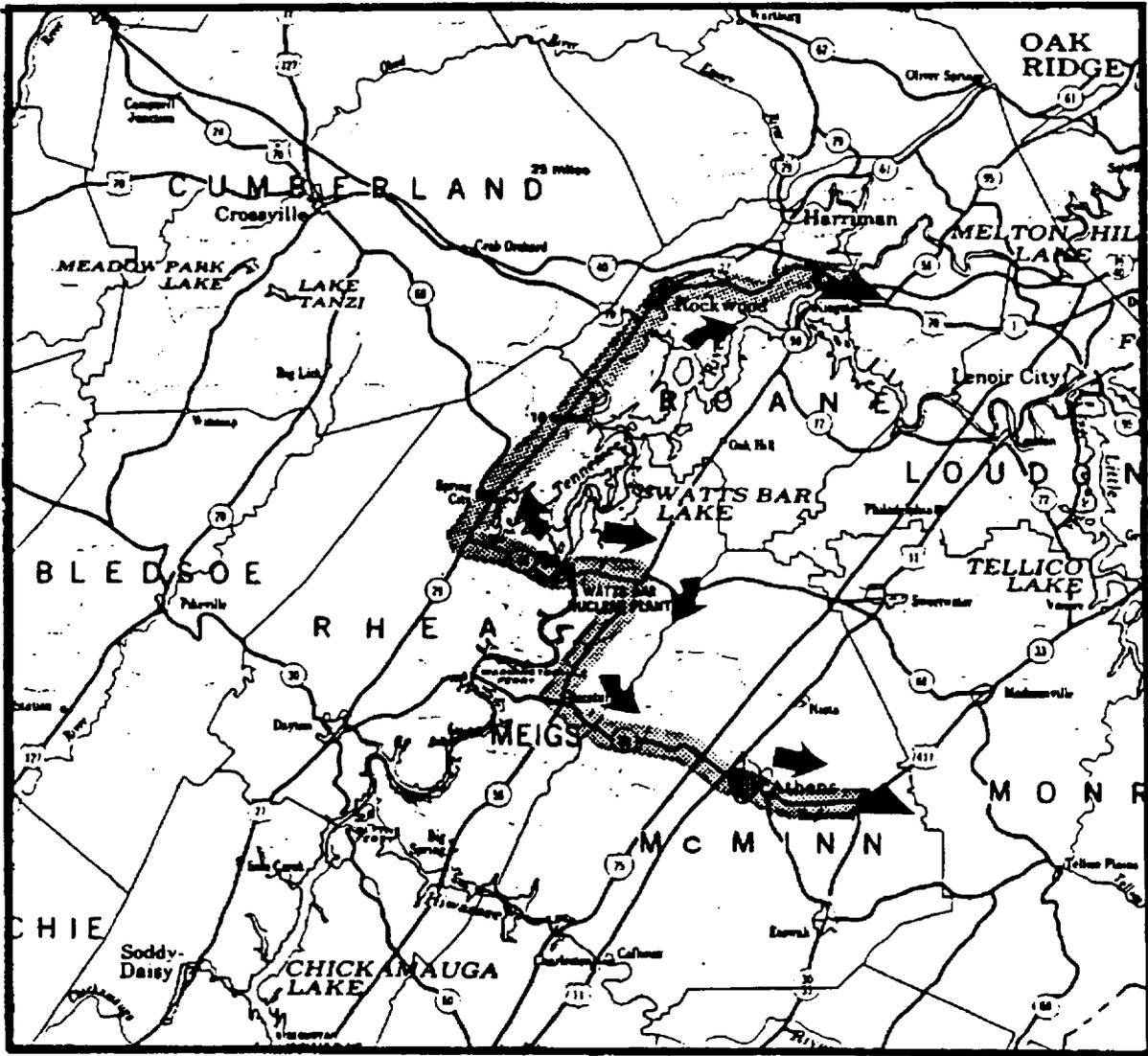
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**MAP TO ROANE COUNTY HIGH SCHOOL AND ENGLEWOOD ELEMENTARY SCHOOL<sup>2</sup>**

From WBN, take route 68 west to route 27 north. Follow 27 north and go through the city of Rockwood. At the 6th traffic light (last light) the road Y's to the right. The road to the right is route 70. Follow route 70 for 12 miles to Kingston. Cross the Clinch River bridge and go approximately one mile and you will see Roane County High School on the left.

From WBN, follow 68 east to route 58 south. Follow 58 south to Decatur. At the traffic light next to the County Court House make a left on to route 30 east. Follow 30 east (10 miles) and go through Athens. Turn left onto route 39 east to Englewood. Follow 39 to Englewood, cross over railroad tracks and go past the first red light; you will see the Englewood Elementary School one block up on the left.



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APPENDIX D  
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**NS ASSEMBLY/ACCOUNTABILITY/EVACUATION CHECKLIST**

**Nuclear Security (NS) General Duties Assembly/Accountability**

- A. **ESTABLISH** accountability activities at the CAS and **COMMENCE** monitoring accountability.
- B. **LOCK** down the West Portal and **RESTRICT** access to the Protected Area to personnel listed on the Emergency Response Organization Call List, the NRC, or authorized by the SED. The Emergency Response Organization Call List will be furnished periodically to NS and made available at the access portal.
- C. **REPORT** the results of accountability to the SM/SED or TSC, NS Manager (if activated) within 30 minutes after the assembly and accountability alarm has sounded. **RE-OPEN** the West Portal upon SED/TSC Security Manager Direction.
- D. **IF** requested **ASSIST** search team(s) made up of plant personnel to locate missing individual(s) 15 minutes after the accountability deadline has passed. The SED must approve the use of search teams. Each team should be accompanied by a RADCON technician.
- E. As needed, **DISPATCH** officers to search areas on TVA property outside the protected area.
- F. **PROVIDE** assistance to the SM/SED as directed.
- G. Assembly/Evacuation (Appendices E and F) should be filled out and upon direction from the SED initiate the calls and Fax the information to all locations.

**NOTE:** If no radiological problems exist, anyone discovered in the owner controlled area should be escorted to the site boundary and released. If radiological conditions warrant, RADCON will survey the individual.

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APPENDIX D (continued)

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**NS ASSEMBLY/ACCOUNTABILITY/EVACUATION CHECKLIST**

**NS CAS or SAS Assembly/Accountability Duties**

- A. **DIRECT** Security Officers to areas or post(s) as needed.
- B. **IF** there is any indication that a card reader is not functioning, **DIRECT** available persons as "runners" in the numbers necessary, to go to any assembly area and report the situation to the SM/SED for possible movement of personnel to a functional reader.
- C. **GENERATE** an accountability report and **REPORT** results to the SM/SED or TSC, NS Manager (**if activated**) and **EXPLAIN** problems encountered, if any, when the initial report is complete.
- D. **IF** the above report was **not** "an all present and accounted for" and someone is missing, **establish** that unaccounted for personnel are not in the assembly areas and have failed to enter the Security Accountability System.
- E. **IF** there are persons who cannot be accounted for, notify the TSC, NS Manager, (if activated), with the names.
- F. **KEEP** the TSC, NS Manager (x8618) or OSC NS advisor (x1982) informed of accountability progress or the SM/SED if TSC not activated.

**NS EVACUATION General Duties**

- A. **CLOSE** site access points by controlling protected area portals and securing main plant access (Highway 68 intersection) (WBN EPIP-11) upon SED directions.
- B. **ASSIST** in movement of traffic and personnel from the site.
- C. **COMPLETE** and **ISSUE** Appendix E and F to the Listed Locations.
- D. **PERFORM** other duties as directed.

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APPENDIX E  
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**ASSEMBLY AREAS  
(OUTSIDE THE PROTECTED AREA)  
INFORMATION SHEET**

Nuclear Security (NS) will provide the following information to all assembly areas outside the protected area (listed below) as it becomes available or as directed by the SM or TSC, SED.

Initial contact should be by phone with Fax message used for followup.

Location	Area	Phone #	Fax #
WBN Training Center	Mgr. Office (cafeteria)	x3758, x1216, or x8962	x3797
Administration Building	Vending Area, Office Area(s) Conference Room(s)	x8767 or x8768	x1924
Main Warehouse	Conference Room Area	x1436	x3233

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Time \_\_\_\_  
Date \_\_\_\_

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**ASSEMBLY AREAS  
(OUTSIDE THE PROTECTED AREA)  
INFORMATION SHEET**

A.	"This is a REAL EMERGENCY." <input type="checkbox"/> <b>OR</b> "This is a DRILL." <input type="checkbox"/> "This is a REAL EMERGENCY." "This is a DRILL."	
B.	WBN has declared a _____ emergency. (enter emergency classification.)	
C.	Radiological conditions are: No release <input type="checkbox"/> Release Ongoing <input type="checkbox"/>	
D.	Please convey the following instructions to all people in your assembly area(s). <ul style="list-style-type: none"> <li>• Stay indoors <span style="float: right;"><input type="checkbox"/></span></li> <li>• Close off HVAC Systems <span style="float: right;"><input type="checkbox"/></span></li> <li>• Check out doors or in adjacent buildings and direct all personnel to the assembly area to await instructions. <span style="float: right;"><input type="checkbox"/></span></li> <li>• Follow general instructions for the assembly area. <span style="float: right;"><input type="checkbox"/></span></li> </ul>	
E.	Additional instructions are as follows: Return to work <span style="float: right;"><input type="checkbox"/></span> Remain in assembly area <span style="float: right;"><input type="checkbox"/></span> Additional instructions/information: _____ _____	
F.	Site Evacuation has been ordered by the SED. <input type="checkbox"/> YES <input type="checkbox"/> NO	
G.	Remain calm and exit the site by your normal route unless otherwise directed. <input type="checkbox"/> YES <input type="checkbox"/> NO	
H.	You will be informed when it is safe to return to work. <span style="float: right;"><input type="checkbox"/></span>	

- WBN Training Center
- Administration Building
- Main Warehouse

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**ASSEMBLY AREAS  
(OUTSIDE THE PROTECTED AREA)  
INFORMATION SHEET**

**"FOR RADIOLOGICAL EMERGENCY"  
ASSEMBLY AREA - GENERAL INSTRUCTIONS  
(OUTSIDE THE PROTECTED AREA)**

- 1) **START ASSEMBLING PERSONNEL**
- 2) **CLOSE ALL DOORS AND WINDOWS**
- 3) **SHUT DOWN VENTILATION SYSTEM**
- 4) **NO EATING, DRINKING OR SMOKING**
- 5) **AVOID PANIC**
- 6) **CALL IN PEOPLE FROM OUTSIDE LOCATIONS OR SURROUNDING BUILDINGS TO THE ASSEMBLY AREA**
- 7) **KEEP PAGE SYSTEM AND PHONES CLEAR FOR USE DURING THE EMERGENCY**
- 8) **LISTEN FOR INSTRUCTIONS**
- 9) **IF EVACUATION OF SITE IS DIRECTED, LEAVE IN A SAFE AND ORDERLY MANNER**

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APPENDIX F  
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**NEARSITE ORGANIZATION  
INFORMATION SHEET**

Nuclear Security (NS) will provide the following information (Appendix F, Page 2 of 2) to the nearsite organizations listed below when directed by the SM/SED or TSC, SED. RADCON will provide technicians to monitor personnel if necessary.

These contacts should be made by phone:

- | <u>LOCATION</u>   | <u>PHONE #</u>                         |
|---|--|
| • WBN Hydro/Steam Plant<br>Alternate - TVA Police         | 9-365-7600 or 6300<br>9-1-423-334-1354 |
| • Watts Bar Maintenance Facility                          | 9-365-8720 or 8722                     |
| • WBN Environmental Data Station<br>(not normally manned) | 9-365-8450 or 8483                     |
| • Reservoir Property (Maintenance Base)                   | 9-365-7627                             |
| • Lock Master (Watts Bar)                                 | 9-365-7634 or<br>9-1-423-334-3522      |

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Time \_\_\_\_  
Date \_\_\_\_

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**NEARSITE ORGANIZATION  
INFORMATION SHEET**

A. "This is a REAL EMERGENCY."  OR "This is a DRILL."   
 "This is a REAL EMERGENCY." "This is a DRILL."

B. WBN has declared a \_\_\_\_\_ emergency.  
 (enter emergency classification.)

C. Radiological conditions are:  
 No release   
 Release Ongoing

D. Please convey the following information to all people at your location.   
 • Stay indoors   
 • Close off HVAC Systems   
 • Check outdoors or in adjacent buildings and direct all personnel to  
 your area to await instructions.

E. Additional instructions/information: \_\_\_\_\_  
 \_\_\_\_\_  
 WBN Site evacuation has been ordered by the Site Emergency Director.  
 YES  NO

F. Remain calm and initiate an evacuation of your organization unless otherwise  
 directed.  YES  NO

G. You will be informed when it is safe to return to work.

- WBN Hydro/Steam Plant
- Reservoir Property (Maintenance Base)
- Watts Bar Maintenance Facility
- WBN Environmental Data Station
- Lock Master (Watts Bar)

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APPENDIX G  
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**AUTOMATED ACCOUNTABILITY, SYSTEM FAILURE  
GUIDELINES**

In the event the automated accountability system is unable to accomplish its designed function, NS will recommend the following methods to account for onsite personnel to the SM or TSC SED for action.

- A. **NOTIFY** personnel in the Assembly Areas (within the Protected Area) to remain where they are until the Accountability System can be reactivated.
- B. **IF** plant conditions require immediate action (i.e., danger to health or safety), the SED will order all nonessential onsite personnel to exit the protected area and report to the Watts Bar Training Center. Once all nonessential personnel have left the protected area, a verbal review of the remaining onsite emergency responders will be conducted.

Walkdowns within the protected area will be conducted to ensure all nonessential personnel have left the plant. These actions and search and rescue efforts (if needed) will be coordinated by the TSC/SED or SM/SED.

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APPENDIX H  
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**RADCON  
ASSEMBLY/ACCOUNTABILITY/EVACUATION  
GUIDELINES**

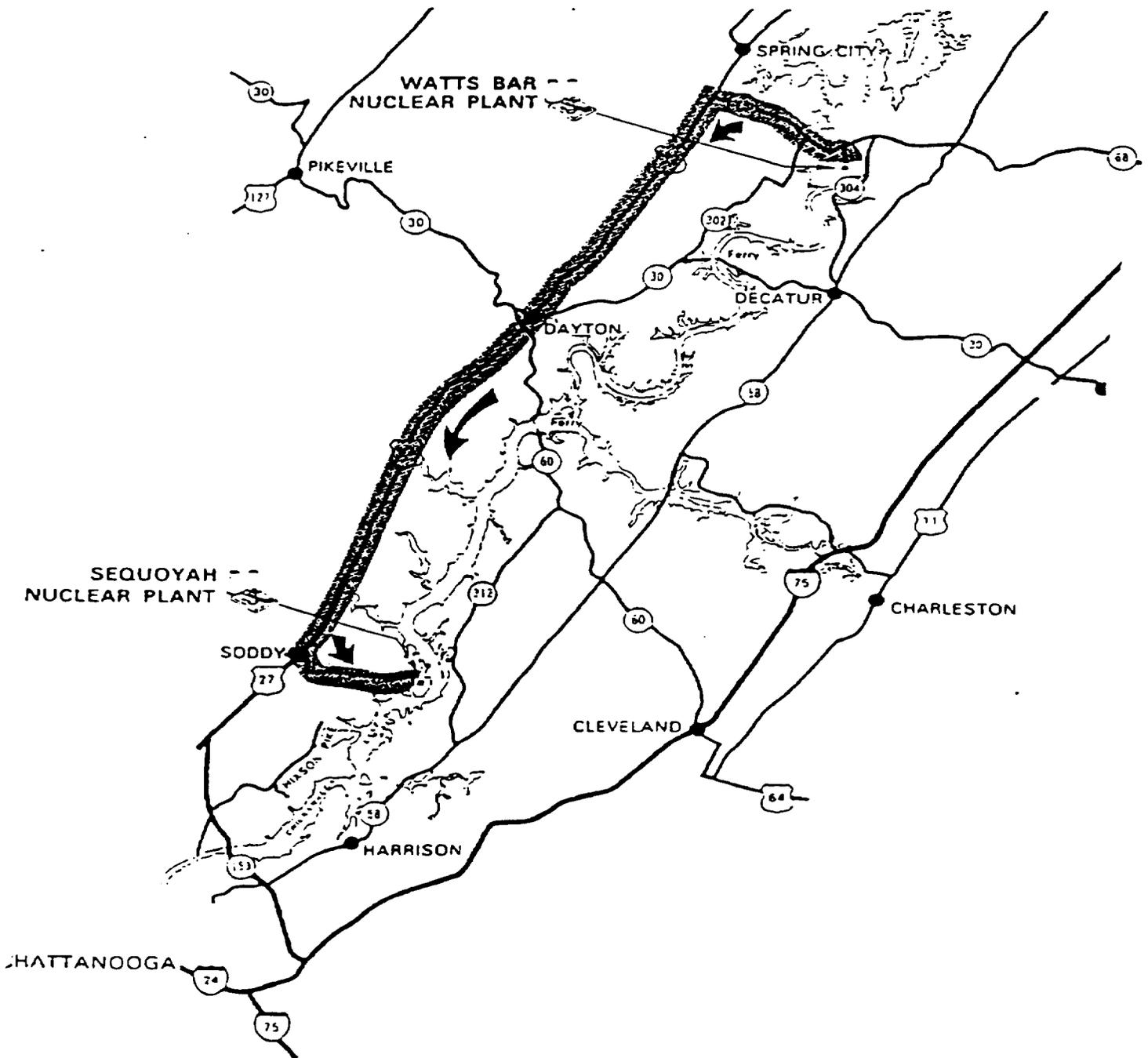
<b>Assembly/Accountability</b>		
A.	<b>SURVEY</b> all assembly areas (including the Emergency Centers), <b>IF</b> radiological conditions warrant.	<input type="checkbox"/>
B.	<b>SURVEY</b> personnel upon request who were working in a contaminated zone and wearing protective clothing.	<input type="checkbox"/>
C.	<b>SUPPORT</b> <u>any</u> search teams.	<input type="checkbox"/>
<b>Evacuation<sup>5</sup></b>		
A.	<b>IF</b> radiological plant conditions warrant, <b>ESTABLISH</b> RADCON control points which coincide with NS access control points (consult SM/SED for guidance).	<input type="checkbox"/>
B.	<b>ENSURE</b> personnel and vehicles are decontaminated before being released from the owner controlled area.	<input type="checkbox"/>
C.	<b>IF</b> plant conditions preclude radiological decontamination, evacuees will be informed of transportation, sheltering, and decontamination arrangements prior to leaving the site. The primary evacuation shelter for onsite contaminated personnel will be Sequoyah Nuclear Plant (SQN), approximately 50 miles south of Watts Bar Nuclear Plant (WBN). RADCON personnel from the plant site, SQN, and CECC will respond to the primary shelter area to support personnel decontamination activities if there is a need.	<input type="checkbox"/>

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**RADCON  
ASSEMBLY/ACCOUNTABILITY/EVACUATION  
GUIDELINES**

**DIRECTIONS TO (SQN) SEQUOYAH NUCLEAR PLANT**



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**ONSITE EMERGENCY RESPONDER DUTIES**

Upon hearing the emergency sirens, the people assigned to the following organizations will respond as follows:

- A. **Operations** - Personnel will **UTILIZE** the accountability card readers in the Main Control Room or the RADCON Lab in the Service Building.

The SM will **ASSIGN** an individual to ensure persons in the Main Control Room have been entered into the Main Control Room accountability card reader.

- B. **RADCON Personnel** - **PROCEED** to the RADCON Lab in the Service Building, Elevation 713', and **ENTER** their protected area badge card into the accountability card reader and stand by for instructions.

- C. **Nuclear Security (NS)** - All NS personnel shall **SECURE** all doors and gates as required. **REPORT** for assigned duties, and **REPORT** an accountability of themselves.

**INSTRUCT** all visitors to accompany their escort to an assembly area and card into an accountability reader and stand by for further instruction.

- D. **Technical Support Center (TSC) Personnel** - **PROCEED** immediately to the TSC accountability card reader and **ENTER** their protected area badge card into the accountability reader. **IF** the TSC is already staffed, the SED will **ASSIGN** an individual to ensure all persons in the TSC have been entered into the TSC accountability card reader.

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**ONSITE EMERGENCY RESPONDER DUTIES**

- E. **Operation Support Center (OSC) Personnel** - **PROCEED** immediately to the RADCON Lab (713' Level), **ENTER** their protected area badge card into the accountability card reader, and continue to the OSC, or staging area (713' Level). **IF** the OSC is already staffed, the OSC Manager will **ASSIGN** an individual to ensure all persons in the OSC have been entered into the Plant Assembly Room accountability card reader.
- F. **Radiochemical Lab Personnel** - **REPORT** to the Radiochemical Lab and **ENTER** their protected area badge card into the area accountability card reader on Elevation 713' near the Radiochemical Lab and **STAND BY** for instructions.
- G. **Fire Operations Personnel** - **PROCEED** immediately to the RADCON Lab (713' Level), **ENTER** their protected area badge card into the accountability card reader, then **STANDBY** for instructions at the OSC staging area.

NOTE: **IF** a fire has initiated the Site Assembly/Accountability operation, names of the Fire Operators will be radioed to NS.

- H. **IF** individuals are wearing protective clothing and working in a contaminated zone, **REMOVE** the outer protective articles (shoe covers, gloves, outer coveralls) at the stepoff pad and **PROCEED** to the nearest assembly area (i.e., RCA entrance/exit, 713' level) and **ENTER** their protected area badge card into the accountability card reader. To prevent the possible spread of contamination, these individuals should:
1. **WALK** at the outer edge of a normal passage route.
  2. **AVOID** contact with other individuals.
  3. **REQUEST** RADCON surveillance as soon as possible.

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**ONSITE EMERGENCY RESPONDER DUTIES**

I. Visitor Escort Responsibilities Within the Protected Area:

All emergency responders within the protected area that have preassigned work stations during an emergency and who are escorting visitors (protected area visitor badge card), **UPON** hearing the accountability/assembly alarms, will insure their visitors are escorted to the nearest assembly area and carded into an accountability reader. Once done they will turn over their visitor to another escort and report to their duty station.

**PROTECTED AREA ACCOUNTABILITY CARD READER LOCATIONS**

<u>LOCATION</u>	<u>REPORTING GROUP(S)</u>
El. 713' Mechanical Maintenance Shop	Mechanical Maintenance personnel
El. 729' Electrical Maintenance Shop	Electrical Maintenance personnel
El. 729' Instrument Maintenance Shop	Instrument Maintenance personnel
El. 713' Chem Lab	Chemistry Laboratory personnel
El. 713' RADCON Lab	RADCON personnel, AUOs, OSC responders, Fire Operators
El. 755' Technical Support Center (TSC)	TSC emergency responders
Plant Assembly Room	Main Office Building occupants/others
El. 755' Main Control Room	Control Room and Operations personnel
El. 729' MOB Maintenance Engineering Support Office	Maintenance Planning/Engineering/others
EQB, Vending Area	EQB and MDB Occupants, MODS personnel
El. 741' Ops. Procedures Office	Procedure Writers/NRC Office/others

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**SITE PERSONNEL  
(NON-RESPONDER) DUTIES**

A. Upon hearing the emergency siren, personnel with assembly areas within the protected area will **REPORT** to their preassigned areas, enter their protected area badge card into the accountability card reader, await completion of radiological surveys, and wait for further instructions.

**NOTE 1** Individuals temporarily assigned to areas or sections will be accounted for by the section or area in which they are presently assigned.

**NOTE 2** In the event there is any failure of the automated accountability equipment, personnel shall contact Nuclear Security at ext. 8464 or 8495.

B. **IF** individuals are wearing protective clothing and working in a contaminated zone, **REMOVE** the outer protective articles (shoe covers, gloves, outer coveralls) at the stepoff pad **and PROCEED** to the nearest assembly area (i.e., RCA 713' entrance/exit) **and ENTER** their protected area badge into the accountability card reader. To prevent the possible spread of contamination, these individuals should:

1. **WALK** at the outer edge of a normal passage route.
2. **AVOID** contact with other individuals.
3. **REQUEST RADCON** surveillance as soon as possible.

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**OTHER SITE PERSONNEL  
(NON-RESPONDER) DUTIES**

- C. All employees within the protected area that have a visitor during an emergency, upon hearing the accountability/assembly alarms, will ensure their visitors are escorted to the nearest assembly area and carded into an accountability reader. Visitors and their escort will remain in the assembly area awaiting further instructions.
  
- D. Employees and Visitors in the Site Perimeter Area, will assemble the employees assigned to their assembly areas. Each organization is responsible for accounting for any offsite personnel who are visiting their organization.

**PROTECTED AREA ACCOUNTABILITY CARD READER LOCATIONS**

<u>LOCATION</u>	<u>REPORTING GROUP(S)</u>
EI 713' Mechanical Maintenance Shop	Mechanical Maintenance personnel
EI 729' Electrical Maintenance Shop	Electrical Maintenance personnel
EI 729' Instrument Maintenance Shop	Instrument Maintenance personnel
EI 713' Chem Lab	Chemistry Laboratory personnel
EI 713' RADCON Lab	RADCON personnel and OSC responders
EI 755' Technical Support Center (TSC)	TSC emergency responders
Plant Assembly Room	Main Office Building occupants/others
EI 755' Main Control Room	Control Room and Operations personnel
EI 729' MOB Maintenance Engineering Support Office	Maintenance Planning, Engineering, others
EQB, Vending Area	EQB and MDB Occupants, MODS personnel
EI. 741' Ops. Procedures Office	Procedure Writers, NRC Office, others

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**SOURCE NOTES**

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|---|---|--|
| 1 | BR-70080, BF-00006, IEB-0025,<br>NCO-920047022. | WBN procedures allow emergency ingress and unimpeded egress for any postulated occurrence. See all sections. Also see EPIP-11.   |
| 2 | MC-840827005001, MSC-02372,<br>NCO-920030982.   | Includes the Spring City and Ten Mile Substations as alternate assembly areas. Appendix C, SED Assembly/Accountability/Evacuation Checklist (Pages 1 thru 5).                                  |
| 3 | MC-811029002008, MSC-04145,<br>NCO-920042326.   | Specific administrative procedure to establish authority/responsibility for controlling personnel access during normal and accident conditions. Section 2.0 Responsibility and all Appendices. |
| 4 | ANSI N18.7-1976<br>Subsection 5.3.9.3: 01 POI   | EIPs will contain the following elements.  |