

Revision Log Sheet

Revision Date: PORC 1-9-83 thru 2-14-83 (issued 3-4-83)

This log sheet must be retained as the last page of the Sequoyah Nuclear Plant Implementing Procedures Document.

Inserted by: \_\_\_\_\_

Date Inserted: \_\_\_\_\_

Pages to be Removed			New Pages to be Inserted		
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IP-3	Cover Page 1 of 2	Rev. 5 Rev. 5	IP-3	Cover Page 1 of 2	Rev. 6 Rev. 6
IP-4	Cover Page 1 of 2	Rev. 5 Rev. 5	IP-4	Cover Page 1 of 2	Rev. 6 Rev. 6
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Revision Log Sheet (Continued)

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Pages to be Removed			New Pages to be Inserted		
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Attachment A	1 of 1	Rev. 2	Attachment A	1 of 1	Rev. 4
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IP-13	Cover Page	Rev. 4	IP-13	Cover Page	Rev. 5
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IMPLEMENTING PROCEDURES INDEX

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SQN-IP-1	4	Emergency Plan Classification Logic
*SQN-IP-2	4	Notification of Unusual Event
SQN-IP-3	6	Alert
*SQN-IP-4	6	Site Emergency
SQN-IP-5	6	Emergency - General Emergency
SQN-IP-6	4	Activation of the Technical Support Center
SQN-IP-7	1	Activation of the Operations Support Center
*SQN-IP-8	7	Personnel Accountability and Evacuation
SQN-IP-9	0	Personnel Accountability and Evacuation of the Power Operation Training Center
SQN-IP-10	6	Medical Emergency Procedure
SQN-IP-11	4	Security and Access Control
*SQN-IP-13	5	Call Lists (procedure cancelled)
SQN-IP-14	8	Health Physics Procedure
SQN-IP-15	1	Emergency Exposure Guidelines
SQN-IP-16	0	Recovery Procedure
SQN-IP-17	6	Emergency Equipment and Supplies
SQN-IP-18	4	Plant Release Rate Calculations
SQN-IP-19	0	Radiological Emergency Plan Training
SQN-IP-20	1	Environmental Monitoring During A Radiological Emergency

Revised 02/14/83

Sequoyah Nuclear Plant

DISTRIBUTION

SNQ REP - IMPLEMENTING  
PROCEDURES DOCUMENT

SNQ-IP-2

NOTIFICATION OF UNUSUAL EVENT

- IC 81 Plant Master File
- IC 83 Asst. Power Plant Supt. (Oper.)
- IC 84 Asst. Power Plant Supt. (Maint.)
- IC 86 Maintenance Supervisor (M)
- IC 87 Maintenance Supervisor (E)
- IC 88 Maintenance Supervisor (I)
- IC 89 Results Supervisor
- IC 90 Operations Supervisor
- IC 92 Health Physics Supervisor
- IC 93 Public Safety Services Supv.
- IC 95 Outage Director
- IC 96 Emergency Cabinet Control Room
- IC 97 Emergency Cabinet Communications Room
- IC 98 Emergency Van
- IC 102 Shift Engineer's Office
- IC 103 Unit Control Room
- IC 105 Health Physics Laboratory
- IC 106 Medical Office
- IC 107 Resident NRC Inspector - SNP
- IC 108 Technical Support Center
- IC 109 Assistant HP Supervisor
- IC 110 Plant Duty Supervisor
- IC 111 Asst. Power Plant Supt. (H&S)
- IC EP&P - Eric Sliger - 1470 - CST2-C

Prepared By: J.R. Walker

Revised By: R.J. Kitts

Submitted By: *Stephen P. Kelly*  
Supervisor

PORC Review: 2/9/83  
Date

Approved By: *James M. Guff*  
Pwr Plt Superintendent

Date Approved: FEB - 9 1983

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<u>1</u>	<u>10/21/80</u>	<u>2</u>			
<u>2</u>	<u>12/2/81</u>	<u>1</u>			
<u>3</u>	<u>3/11/82</u>	<u>1</u>			

The last page of this instruction is Number 2.

NOTIFICATION OF UNUSUAL EVENT

1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the shift engineer has determined by IP-1 that an incident has occurred which is classified as a Notification of Unusual Event.
- 1.2 To provide a method for periodic reanalysis of the current situation by the Site Emergency Director to determine whether the Notification of Unusual Event action should be canceled, continued, or upgraded to a more serious classification.

2.0 INSTRUCTION

- 2.1 Upon determining that existing conditions are classified as a Notification of Unusual Event, according to IP-1, the shift engineer will:

\* NOTE: NOTIFICATION OF OPERATIONS'S DUTY SPECIALIST SHALL BE MADE WITHIN 5 MINUTES AFTER  
\* DECLARATION OF THE EVENT.

(Initials)

- \_\_\_\_\_ 1. Notify the Operations Duty Specialist direct by Dimension telephone number 7-200 or alternate Chattanooga number 8-0200 and state the following:
- a. Your name
  - b. Sequoyah Nuclear Plant
  - c. Notification of Unusual Event
  - d. Time of incident
  - e. Brief description of incident
  - f. Plant condition (whether stable or deteriorating)
  - g. Unusual release of radioactivity (Yes or No)
  - h. Direction wind is coming from \_\_\_\_\_ and speed \_\_\_\_\_
  - i. Recommended iniital protective actions for the public  
(None)
- \_\_\_\_\_ 2. Notify the Plant Duty Supervisor and provide the same information given to Operations Duty Specialist (see duty list for telephone number). The Plant Duty Supervisor will call the Plant Superintendent or his alternate.

2.2 The Site Emergency Director will:

- \_\_\_\_\_ 1. If there is an indication that any personnel are injured, initiate IP-10, Medical.
- \_\_\_\_\_ 2. Notify the NRC by ring-down phone of plan activation in accordance with AI-18, File Package 18.
- \_\_\_\_\_ 3. At least every two hours, or more frequently if conditions warrant, reevaluate the event using IP-1.
  - a. If the situation no longer exists or should be downgraded, downgrade the Site Emergency by informing the Operations Duty Specialist and the Plant Duty Supervisor.
  - b. If the condition warrants upgrading to a higher classification, the Site Emergency Director initiates the appropriate steps of IP 3, 4 or 5.

Sequoyah Nuclear Plant

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SQN REP - IMPLEMENTING  
PROCEDURES DOCUMENT

SQN, IP-3

ALERT

- IC 81 Plant Master File
- IC 83 Asst. Power Plant Supt. (Oper.)
- IC 84 Asst. Power Plant Supt. (Maint.)
- IC 86 Maintenance Supervisor (M)
- IC 87 Maintenance Supervisor (E)
- IC 88 Maintenance Supervisor (I)
- IC 89 Results Supervisor
- IC 90 Operations Supervisor
- IC 92 Health Physics Supervisor
- IC 93 Public Safety Services Supv.
- IC 95 Outage Director
- IC 96 Emergency Cabinet Control Room
- IC 97 Emergency Cabinet Communications Room
- IC 98 Emergency Van
- IC 102 Shift Engineer's Office
- IC 103 Unit Control Room
- IC 105 Health Physics Laboratory
- IC 106 Medical Office
- IC 107 Resident NRC Inspector - SNP
- IC 108 Technical Support Center
- IC 109 Assistant HP Supervisor
- IC 110 Plant Duty Supervisor
- IC 111 Asst. Power Plant Supt. (H&S)
- IC EP&P - Eric Sliger - 1470 CST2-C

Prepared By: J.R. Walker

Revised By: D. E. Crawley

Submitted By: Step P Hall  
Supervisor

PORC Review: 2/9/83  
Date

Approved By: Jama M. Huff  
Pwr Plt Superintendent

Date Approved: FEB - 9 1983

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<u>1</u>	<u>10/10/80</u>	<u>2</u>	<u>5</u>	<u>12/29/82</u>	<u>All</u>
<u>2</u>	<u>12/2/81</u>	<u>1</u>	<u>6</u>	<u>2/9/83</u>	<u>1</u>
<u>3</u>	<u>3/11/82</u>	<u>1</u>			

The last page of this instruction is Number 2.

ALERT

1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the Shift Engineer has determined by IP-1 that an incident has occurred which is classified as an ALERT.
- 1.2 To provide a method for periodic reanalysis of the current situation by the Site Emergency Director to determine whether the Alert action should be canceled, continued, upgraded, or downgraded to another classification.

2.0 INSTRUCTION

- 2.1 Upon determining that existing conditions are classified as an Alert according to IP-1, the Shift Engineer will:

\* NOTE: NOTIFICATION OF OPERATIONS DUTY SPECIALIST SHALL BE MADE WITHIN 5 MINUTES AFTER  
\* DECLARATION OF THE EVENT.

(Initials)

- \_\_\_\_\_ 1. Evaluate plant conditions and, if conditions warrant, activate emergency sirens for personnel assembly and initiate IP-8, 9, 14 and 20 if needed.
- \_\_\_\_\_ 2. Notify the Operations Duty Specialist direct by Dimension telephone number 7-200 or alternate Chattanooga number 8-0200 and state the following:
  - a. Your name
  - b. Sequoyah Nuclear Plant
  - c. Alert
  - d. Time of incident
  - e. Brief description of incident
  - f. Plant condition (whether stable or deteriorating)
  - g. Unusual release of radioactivity (Yes or NO)
  - h. Direction wind is coming from \_\_\_\_\_ and speed \_\_\_\_\_
  - i. Recommend initial protective actions for the public:

(None)



Sequoyah Nuclear Plant

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SQN REP - IMPLEMENTING  
PROCEDURES DOCUMENT

SQN, IP-4

SITE AREA EMERGENCY

- 1C 81 Plant Master File
- 1C 83 Asst. Power Plant Supt. (Oper.)
- 1C 84 Asst. Power Plant Supt. (Maint.)
- 1C 86 Maintenance Supervisor (M)
- 1C 87 Maintenance Supervisor (E)
- 1C 88 Maintenance Supervisor (I)
- 1C 89 Results Supervisor
- 1C 90 Operations Supervisor
- 1C 92 Health Physics Supervisor
- 1C 93 Public Safety Services Supv.
- 1C 95 Outage Director
- 1C 96 Emergency Cabinet Control Room
- 1E 97 Emergency Cabinet Communications Room
- 1C 98 Emergency Van
- 1C 102 Shift Engineer's Office
- 1C 103 Unit Control Room
- 1C 105 Health Physics Laboratory
- 1C 106 Medical Office
- 1C 107 Resident NRC Inspector - SNP
- 1C 108 Technical Support Center
- 1C 109 Assistant HP Supervisor
- 1C 110 Plant Duty Supervisor
- 1C 111 Asst. Power Plant Supt. (H&S)
- 1C EP&P - Eric Sliger, 1470 CST2-C

Prepared By: J.R. Walker

Revised By: D.E. Crawley

Submitted By: *[Signature]*  
Supervisor

PORC Review: 2/9/83  
Date

Approved By: *[Signature]*  
Pwr Plt Superintendent

Date Approved: FEB - 9 1983

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<u>1</u>	<u>10/28/80</u>	<u>2</u>	<u>5</u>	<u>12/29/82</u>	<u>All, Title Change</u>
<u>2</u>	<u>12/2/81</u>	<u>1</u>	<u>6</u>	<u>2/9/83</u>	<u>1</u>
<u>3</u>	<u>03/11/82</u>	<u>1</u>			

The last page of this instruction is Number 2.

SITE AREA EMERGENCY

1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the Shift Engineer has determined by IP-1 that an incident has occurred which is classified as a Site Area Emergency.
- 1.2 To provide a method for periodic reanalysis of the current situation by the Site Emergency Director to determine whether the Site Area Emergency action should be canceled, continued, upgraded, or downgraded to another classification.

2.0 INSTRUCTIONS

- 2.1 Upon determining that existing conditions are classified as a Site Area Emergency according to IP-1, the shift engineer will:

\* NOTE: NOTIFICATION OF OPERATIONS DUTY SPECIALIST SHALL BE MADE WITHIN 5 MINUTES AFTER  
\* DECLARATION OF THE EVENT.

(Initials)

- \_\_\_\_\_ 1. Activate emergency sirens for personnel assembly and initiate IP-8 and IP-9.
- \_\_\_\_\_ 2. If conditions warrant, initiate IP-14 (Health Physics Procedures), IP-20 (Environmental Monitoring during a radiological emergency).
- \_\_\_\_\_ 3. Notify the Operations Duty Specialist direct by Dimension telephone number 7-200 or alternate Chattanooga number 8-0200 and state the following:
  - a. Your name
  - b. Sequoyah Nuclear Plant
  - c. Site Area Emergency
  - d. Time of incident
  - e. Brief description of incident
  - f. Plant condition (whether stable or deteriorating)
  - g. Unusual release of radioactivity (Yes or No)
  - h. Direction wind is coming from \_\_\_\_\_ and speed \_\_\_\_\_
  - i. Recommend initial protective actions for the public:

(None)

Sequoyah Nuclear Plant

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SQN REP - IMPLEMENTING  
PROCEDURES DOCUMENT

SQN, IP-5

GENERAL EMERGENCY

- IC 81 Plant Master File
- IC 83 Asst. Power Plant Supt. (Oper.)
- IC 84 Asst. Power Plant Supt. (Maint.)
- IC 86 Maintenance Supervisor (M)
- IC 87 Maintenance Supervisor (E)
- IC 88 Maintenance Supervisor (I)
- IC 89 Results Supervisor
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- IC 92 Health Physics Director
- IC 93 Public Safety Services Supv.
- IC 95 Outage Director
- IC 96 Emergency Cabinet Control Room
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- IC 98 Emergency Van
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- IC 103 Unit Control Room
- IC 105 Health Physics Laboratory
- IC 106 Medical Office
- IC 107 Resident NRC Inspector - SNP
- IC 108 Technical Support Center
- IC 109 Assistant HP Supervisor
- IC 110 Plant Duty Supervisor
- IC 111 Asst. Power Plant Supt. (H&S)
- IC EP&P - Eric Sliger, 1470 CST2-C

Prepared By: J.R. Walker

Revised By: D.E. Crawley

Submitted By: *[Signature]*  
Supervisor

PORC Review: 2/9/83  
Date

Approved By: *[Signature]*  
Plt Superintendent

Date Approved: FEB - 9 1983

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<u>1</u>	<u>10/21/80</u>	<u>2</u>	<u>5</u>	<u>12/29/82</u>	<u>All</u>
<u>2</u>	<u>12/2/81</u>	<u>1</u>	<u>6</u>	<u>2/9/83</u>	<u>1</u>
<u>3</u>	<u>3/11/82</u>	<u>1</u>			

The last page of this instruction is Number 2.

GENERAL EMERGENCY

1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the shift engineer has determined by IP-1 that an incident has occurred which is classified as a General Emergency.
- 1.2 To provide a method for periodic reanalysis of the current situation by the Site Emergency Director to determine whether the General Emergency action should be canceled, continued, upgraded, or downgraded to another classification.

2.0 INSTRUCTIONS

- 2.1 Upon determining that existing conditions are classified as a General Emergency according to IP-1, the shift engineer will:

\* NOTE: NOTIFICATION OF OPERATIONS DUTY SPECIALIST SHALL BE MADE WITHIN 5 MINUTES AFTER  
\* DECLARATION OF THE EVENT.

(Initials)

- \_\_\_\_\_ 1. Activate emergency sirens for personnel assembly and initiate IP-8 and IP-9.
- \_\_\_\_\_ 2. If conditions warrant, initiate IP-14 (Health Physics Procedures), IP-20, (environmental monitoring during radiological emergency).
- \_\_\_\_\_ 3. Notify the Operations Duty Specialist direct by dimension telephone number 7-200 or alternate Chattanooga number 8-0200 and state the following:
  - a. Your name
  - b. Sequoyah Nuclear Plant
  - c. General Emergency
  - d. Time of incident
  - e. Brief description of incident
  - f. Plant condition (whether stable or deteriorating)
  - g. Unusual release of radioactivity (Yes or No)
  - h. Direction wind is coming from \_\_\_\_\_ and speed \_\_\_\_\_

Sequoyah Nuclear Plant

DISTRIBUTION

SQN REP - IMPLEMENTING  
PROCEDURES DOCUMENT

SQN, IP-8

PERSONNEL ACCOUNTABILITY AND  
EVACUATION

- IC 81 Plant Master File
- IC 83 Asst. Power Plant Supt. (Oper.)
- IC 84 Asst. Power Plant Supt. (Maint.)
- IC 86 Maintenance Supervisor (M)
- IC 87 Maintenance Supervisor (E)
- IC 88 Maintenance Supervisor (I)
- IC 89 Results Supervisor
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- IC 92 Health Physics Supervisor
- IC 93 Public Safety Services Supv.
- IC 95 Outage Director
- IC 96 Emergency Cabinet Control Room
- IC 97 Emergency Cabinet Communications Room
- IC 98 Emergency Van
  
- IC 102 Shift Engineer's Office
- IC 103 Unit Control Room
- IC 105 Health Physics Laboratory
- IC 106 Medical Office
- IC 107 Resident NRC Inspector - SNP
- IC 108 Technical Support Center
- IC 109 Assistant HP Supervisor
- IC 110 Plant Duty Supervisor
- IC 111 Asst. Power Plant Supt. (H&S)
- IC EP&P - Eric Sliger, 1470 CST2-C

Prepared By: R. J. Prince

Revised By: Samuel Griffin

Submitted By: *S. Crawley*  
Supervisor

PORC Review: 2/14/83  
Date

Approved By: *James M. Guff*  
\* Per Plt Superintendent

Date Approved: 2/14/83

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<u>1</u>	<u>4/21/81</u>	<u>8</u>	<u>5</u>	<u>1/21/81</u>	<u>2</u>
<u>2</u>	<u>8/3/81</u>	<u>4, Add 4a</u>	<u>6</u>	<u>1/29/82</u>	<u>2&amp;3</u>
<u>3</u>	<u>12/1/81</u>	<u>All</u>	<u>7</u>	<u>2/14/83</u>	<u>All</u>

The last page of this instruction is Number 9.

PERSONNEL ACCOUNTABILITY AND EVACUATION

1.0 PURPOSE

To provide a method for accounting for all plant personnel and visitors prior to an orderly evacuation of the building and plant area during a radiological emergency.

2.0 INSTRUCTION

2.1 General

Upon hearing the emergency siren, all persons in the restricted operating area go to their preassigned areas to await completion of radiological surveys and further instructions. Assembly areas are identified by signs. Directional arrows pointing to these areas are placed throughout the plant.

If individuals are wearing protective clothing and working in a contaminated zone, they should remove the outer protective articles (shoe covers, gloves, outer coveralls) and proceed to their assigned assembly area. 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 health physics surveillance as soon as possible.

If only a particular area is cleared, personnel in that area will evacuate to a safe area. The responsible individual present will account for all personnel present and make a report to the Control Accountability Control, Pax 144 or 226.

2.2 Evacuation of Personnel from All Plant Areas Except the Control Room and Technical Support Center

Plant Employees, Escorted and Unescorted Visitors

Upon hearing the emergency sirens, these people will respond as follows:

2.2.1 Emergency Control Organization

Proceed immediately to the Technical Support Center.

Report to the accountability persons in the Technical Support Center for accountability.

- 2.2.2 Operators  
All operations personnel not assigned to the control room will secure the operation in which they are engaged and proceed to the Operations Support Center for further instructions and accountability. Each assistant shift engineer will get the number accountability cards needed from the Accountability persons in the control room, and account for operating personnel assigned to this unit by placing badge numbers on the reverse side of the cards and then deliver same to the shift engineer. The shift engineer will deliver completed accountability cards to the accountability person in the control room.
- 2.2.3 Health Physics Technicians  
Proceed to the health physics laboratory in the service bay, elevation 690.0 and make an accountability report to Central Accountability and provide ID badge numbers for each individual being counted; stand by for instructions.
- 2.2.4 Medical Services  
Proceed to the medical treatment area in the service bay elevation 706.0 and make an accountability report to Central Accountability Control and provide ID badge numbers for each individual being counted; stand by for instructions.
- 2.2.5 Public Safety Services  
All public safety personnel shall secure all doors, gates, and report for assigned duties per SQN IP-11. Make an accountability of themselves and stand by for further instructions.
- 2.2.6 Technical Support Center  
The accountability person in the technical support center will compile accountability data for the T.S.C. by entering ID badge numbers of each person on the reverse side of the card and then reporting accountability to Control Accountability Center.
- 2.2.7 Radiochemical Laboratory Personnel  
Report to the Operations Support Center and report to the shift engineer for accountability.
- 2.3 All Other Plant Employees, Escorted and Unescorted Visitors, Including Field Services Personnel  
Proceed to the assigned assembly areas as listed below for accountability and further instructions. Public Safety unit supervisor will have the responsibility of appointing accounting persons in all assembly areas and collecting accountability data from those assembly areas, during all shifts.

2.3.1 Office Building Assembly Room - Elevation 706.0

All personnel who have permanently assigned work locations in the office building and trailer complex, and bubble building, excluding maintenance engineers and maintenance engineering aides, will report to this area and to their immediate supervisor. All vendors and unescorted visitors in the office building will also report to this assembly area. Escorted visitors in the office building will go to their escort's appropriate assembly area. The office building assembly room accounting person will compile the accountability data for this area and report to Central Accountability Control.

2.3.2 Service Building Electrical Shop and Instrument Shop

All annual Electrical maintenance employees and all other personnel who have permanently assigned work locations in the service building, elevation 706.0, excluding carpenters, sheetmetal workers, insulators and painters will report to the electrical shop and to their immediate supervisor. This will include all Power Stores employees. All vendors and unescorted visitors in the service building, elevation 706.0, will also report to this assembly area. All instrument maintenance employees and escorted visitors will report to the main instrument shop. Escorted visitors in the service building, elevation 706.0 will go to their escort's appropriate assembly area. The service building electrical/instrument shop accounting person will compile the accountability data for this area and report to Central Accountability Control.

2.3.3 Service Building Machine Shop - Elevation 690.0

Excluding electricians, and instrument mechanics, all maintenance craftsmen and mechanical maintenance annual employees will report to this area and to their immediate supervisor. All vendors, contractors, service shop employees and unescorted visitors not in areas defined by 2.3.1 and 2.3.2 above will report to this assembly area. Escorted visitors not in areas defined by 2.3.1 and 2.3.2 above will go to their escort's appropriate assembly area. The service building machine shop accounting person will compile the accountability data for this area and report to Central Accountability Control.

2.3.4 All plant employees that have preassigned work stations and who may be escorting visitors, upon hearing the emergency sirens, should escort their visitors to an assembly area and assign them to an escort prior to proceeding to their work station.

2.3.5 Each craft foreman will account for persons assigned to him and report to their accounting person.



- 2.3.6 The senior PSO representative will account for all PSO engineering unit people onsite and report results to his assigned accounting person.
- 2.3.7 Each instructor from the Power Operations Training Center will account for persons assigned to him and report results to an accounting person.
- 2.3.8 All other Power annual employees and unescorted visitors report individually to an accounting person.
  - 2.3.8.1 In the absence of the craft foreman or other designated group accountant, the accounting person in the assembly area will appoint someone to perform this function.
  - 2.3.8.2 The responsible person in Central Accountability Control will provide the PSS Supervisor in the Technical Support Center, accountability information for all personnel assembled in all assembly areas. This information will be reported to the Site Emergency Director by the PSS supervisor.
  - 2.3.8.3 If there are persons who cannot be accounted for, the Site Emergency Director will dispatch a search and rescue team.
  - 2.3.8.4 After visitors inside the restricted operating area have been accounted for, at the direction of the Site Emergency Director they will be escorted to the main gate where health physics personnel will check all people and vehicles for contamination prior to release.

#### 2.4 Visitors Outside the Restricted Operating Area

Upon hearing the emergency siren, the construction public safety officer on duty will secure all accesses to TVA properly and will control all entrance and exit.

After recording the date, time, names, and addresses of all visitors outside the restricted operating area, they will be escorted to the site boundary. Affected areas of Chickamauga Lake will be evacuated in accordance with the State REP.

If only a particular area is cleared, the construction public safety officer will restrict entry of unescorted visitors.

## 2.5 Total Plant Evacuation

If the Site Emergency Director deems it necessary, or if radiation levels at the assembly point would cause a radiation exposure of 100 mrem/hr or if airborne radioactivity is in excess of MPC, he, using the public address system, will order evacuation to the employee parking lot.

If radiation levels at the employee parking lot are unsafe for occupancy, the assembly point will be moved along the permanent plant access road toward the site boundary. Instructions will be given by the Site Emergency Director, based on local radiation and contamination conditions. He may recall evacuated people as needed.

In the event of a total plant evacuation of non-essential personnel, the site Emergency Director will assure all personnel and vehicles pass through a health physics check point prior to being released. The DNPEC Director will be notified of the intended evacuation.

If the personnel require transportation and sheltering, the CECC Director will coordinate arrangements with the appropriate State agency. If the evacuees require radiological decontamination, they will be informed of transportation, sheltering, and decontamination arrangements prior to leaving the plant site. The primary evacuation shelter for onsite contaminated personnel will be Watts Bar Nuclear Plant approximately 50 miles north of Sequoyah Nuclear Plant. Evacuation of onsite non contaminated individuals would take place along one of the three southbound evacuation routes to the Chattanooga Power Services Center at Chickamauga Dam. The preferred route would be determined following discussion with Hamilton County EOC and would depend upon traffic conditions, road (weather) conditions, and radiological hazards. Health Physics personnel from the plant site, Watts Bar Nuclear Plant or Muscle Shoals will respond to the sheltering area.

Upon orders from the site emergency director, the training center supervisor or senior employee present shall evacuate the training center personnel, following the directions given by the site emergency director.

## 2.6 Particular Area Evacuation

In the case where only a particular area has been cleared, the following people will respond as follows:

2.6.1 All Persons Within the Affected Area

Evacuate to a safe area. The responsible individual will account for all personnel present and report to Central Accountability Control. Remain in the assembly area for further instructions.

2.6.2 Emergency Control Organization

Contact the Technical Support Center to determine the nature of the incident and receive any instructions. Gather required equipment and stand by near affected area for further instructions.

2.7 All Plant Employees, Escorted and Unescorted Visitors Not In Affected Area

All plant employees, escorted and unescorted visitors not in affected area will continue assigned tasks, if not instructed otherwise.

2.8 Plant or Area Reentry

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.

The Site Emergency Director will authorize reentry only when he is assured that the emergency has been controlled.

3.0 TEMPORARY INSTRUCTIONS APPLICABLE FOR CONSTRUCTION PERSONNEL OUTSIDE THE RESTRICTED OPERATING AREA

All personnel outside the confines of the operating units, in the event that a need arises for a partial or total plant site evacuation, will be notified by the public address system or the plant evacuation system. A three-minute undulating blast of the sirens is the signal for a radiological emergency. The all-clear signal is a steady three-minute blast of the sirens.

In the event the radiological emergency evacuation alarm is initiated, construction public safety will secure all entrances leading to the plant site and will not permit anyone to leave until they are assured personnel are accounted for and surveyed for radioactive contaminants if required.

#### 4.0 ALL PERSONNEL OUTSIDE THE RESTRICTED OPERATING AREA

##### 4.1 List of Personnel on Project

- 4.1.1 Trades and Labor--The normal timekeeping system through the use of brass alleys will provide information on all T&L personnel on the project at any given time.
- 4.1.2 Salary Policy Personnel (This includes onsite EN DES, Public Safety, QA, Personnel, and Medical Personnel)--The normal timekeeping system through the use of timekeepers in respective offices will provide information on all salary policy personnel on the project at any given time.
- 4.1.3 Contractor Personnel--Contractors working on the project shall maintain knowledge of their personnel on the project at all times.
- 4.1.4 Visitors, Vendor Representatives, Consultants, and All Other Personnel not Included in 4.1.1, 4.1.2 or 4.1.3. Construction Public Safety Service shall maintain a list at all times of all visitors, vendor representatives, consultants, and all other personnel not included in 4.1.1, 4.1.2 or 4.1.3 above.

##### 4.2 Evacuation and Assembling

When the evacuation alarm is sounded, all personnel shall immediately evacuate the work area and report to the following locations:

- 4.2.1 Trades and Labor--Report to your foreman's brass alley and remain there for further instructions.
- 4.2.2 Salary Policy Personnel--Assigned office area. Shop area salary policy personnel will report to the warehouse office. M-schedule craft supervisors should report to the general foremen's conference room after obtaining account information from all assigned foreman at the brass alleys. Assistant General Construction Superintendents will assist craft superintendents and assistants in accounting at brass alleys and then report to the general foremen's conference room.
- 4.2.3 Contractors--Assigned office area.
- 4.2.4 Visitors, Vendor Representatives, Consultants, and All Other Personnel not included in 4.2.1, 4.2.2, or 4.2.3--Construction Public Safety.

#### 4.3 Accounting

- 4.3.1 Trades and Labor--T&L craftsmen shall report to their foremen in the assembly area. T&L foremen shall report accounting of their crews to the craft supervisor. The craft supervisor will compare the accounting with the list of personnel on the project obtained from 4.1 above.
- 4.3.2 Salary Policy Personnel--All salary policy personnel shall report to their supervisor. The highest level supervisor in each organization shall compare the accounting with the list obtained from 4.1.2 above.
- 4.3.3 Contractors--All contractor personnel shall report to their supervisor. The highest level supervisor in each organization shall compare the accounting with the list obtained from 4.1.3 above.
- 4.3.4 Visitors, Vendor Representatives, Consultants, and All Other Personnel not included in 4.3.1, 4.3.2 or 4.3.3. All of these people will report to Construction Public Safety. Construction Public Safety will compare accounting with 4.1.4 above.

#### 4.4 Reporting

The highest level supervisor of each group shall report to the Project Manager's Office during regular working hours or to Construction Public Safety if during off shifts. Construction PSS will report to Central Accountability Control. Pax [REDACTED].

#### 4.5 Search

The supervisors shall initiate searches for any persons not accounted for.

#### 4.6 All Clear

All personnel shall remain in their designated area until instructed by their supervisor or the all-clear signal is sounded. The all-clear signal is a steady three-minute blast of the sirens.

### 5.0 INSIDE RESTRICTED OPERATING AREA

#### 5.1 List of Personnel in Restricted Area

A construction coordinator will maintain a list of all construction employees in the restricted operating area.

#### 5.2 Evacuation and Assembly

When the evacuation alarm is sounded, all personnel shall evacuate the work area and report to the turbine building elevation 701.0 in the railroad bay.

5.3 Accounting

- 5.3.1 All personnel on elevation 701.0 railroad bay turbine building will report to their supervisors.
- 5.3.2 The supervisors will complete an accountability card by entering badge number on the reverse side and then deliver the cards to the senior construction supervisor in the area.
- 5.3.3 This supervisor will give the accountability cards to the Accountability person in the area with the total number of individuals.
- 5.3.4 The accountability person will report this information to Central Accountability Control.

5.4 Reporting

Central Accountability Control will provide the PSS Supervisor in the Technical Support Center all accountability information for all personnel assembled in the assembly areas. This information will be provided to the site emergency director.

5.5 Search

If there are persons who cannot be accounted for, the Site Emergency Director will dispatch a search and rescue team.

5.6 All Clear

All personnel will remain in the assembly area until they are released by the Site Emergency Director or the all-clear signal.

SQN REP - IMPLEMENTING PROCEDURES DOCUMENT

SQN-IP-11

SECURITY AND ACCESS CONTROL

- 1C 81 Plant Master File
- 1C 83 Asst. Power Plant Supt. (Oper.)
- 1C 84 Asst. Power Plant Supt. (Maint.)
- 1C 86 Maintenance Supervisor (M)
- 1C 87 Maintenance Supervisor (E)
- 1C 88 Maintenance Supervisor (I)
- 1C 89 Results Supervisor
- 1C 90 Operations Supervisor
- 1C 92 Health Physics Supervisor
- 1C 93 Public Safety Services Supv
- 1C 95 Outage Director
- 1C 96 Emergency Cabinet Control Room
- 1C 97 Emergency Cabinet Communications Room
- 1C 98 Emergency Van
- 1C 102 Shift Engineer's Office
- 1C 103 Unit Control Room
- 1C 105 Health Physics Laboratory
- 1C 106 Medical Office
- 1C 107 Resident NRC Inspector - SNP
- 1C 108 Technical Support Center
- 1C 109 Assistant HP Supervisor
- 1C 110 Plant Duty Supervisor
- 1C 111 Asst. Power Plant Supt. (H&S)
- 1C EP&P - Eric Sliger 1470 CST2-C

Prepared By: Captain J.T. Crittenden

Revised By: Samuel Griffin

Submitted By: *DeCrawley*  
Supervisor

PORC Review: 2/14/83  
Date

Approved By: *James M. Huff*  
Pwr Plt Superintendent

Date Approved: 2/14/83

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>	<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
<u>0</u>	<u>8/5/80</u>	<u>All</u>	<u>4</u>	<u>2/14/83</u>	<u>All</u>
<u>1</u>	<u>5/5/81</u>	<u>2,3,4</u>			
<u>2</u>	<u>12/3/81</u>	<u>All</u>			
<u>3</u>	<u>1/29/82</u>	<u>Revise 2,3,4,5, Add 5A, Delete 8 and 9</u>			

The last page of this instruction is Number 76.

## SECURITY AND ACCESS CONTROL

### 1.0 PURPOSE

Radiological Emergency Plan (R.E.P.) is the document setting forth the policies, purposes, delegations, standards, guidelines and where feasible, specific instructions necessary for TVA to discharge its responsibilities during a nuclear emergency.

### 2.0 PUBLIC SAFETY RESPONSIBILITIES

Public Safety Unit Supervisor shall publish a unit Section Instruction Letter that delineates specific requirement to be performed by the security force during a radiological emergency. This instruction shall address all directed requirements for the security force contained in this REP.

### 3.0 MEDICAL ASSISTANCE

In the event of a medical emergency, PSS shall provide adequate support as needed. All medical response personnel called for will assemble on elevation 690 (Service Bldg., Maintenance Area) to be briefed on the case.

### 4.0 ACCOUNTABILITY PROCEDURE

4.1 Upon hearing the siren sound a radiological emergency, designated assembly area accountability personnel shall immediately proceed to a pick-up point and acquire a prepared package and go to assigned assembly areas.

4.2 The following applies to accountability personnel working assembly areas in the Control Room, Electrical Shop, the Main Assembly Room, the RR Bay El 701 Turbine Building, the Maintenance Shop elevation 690 Service Bulding:

- A. Take the numerically prepared 3 x 5 REP accountability cards from the emergency package and station themselves in an area where each person coming to the assembly area can pass by and receive an accountability card.
- B. Require each person to pass by and take a REP accountability card. Issue the cards in numerical order beginning at one (1).
- C. Require each person to write their ID badge number on the reverse side of the card and then return the card.
- D. When the situation in the assmeby areas has settled to where it seems everyone has completed an REP accountability card, announce again to all present that each must complete an accountability card.



- E. After the above has been accomplished, immediately call in/radio the report of the assembly area count. The number to report is that number of cards issued for completion of individuals, i.e., if the next accountability card to be issued is 301, the assembly area count is 300.
- F. After reporting the assembly area count, give the completed accountability cards to the designated "Runner" and tell him/her to take them to the gatehouse.
- G. Once accountability is complete, announce to everyone in the assembly area that no one is to leave the area until approval to leave has been received from the site director.
- H. If authority is received for certain individuals to leave the assembly area prior to an all clear announcement, require them to log on as Attachment A.
- I. In addition to the requirements above the accountability person working the control room shall closely coordinate his/her activity and accountability action with the Shift Engineer or the person he may designate. Persons reporting to this area will assemble in two places. Some in the control room and some in the rest area and locker room, north of the control room.

4.3 The following applies to accountability personnel working the gatehouse:

- A. Immediately re-rack all badges and total the shift accountability register cards to determine the number of personnel in the protected area.
- B. Take the numerically prepared 3 x 5 REP accountability cards from emergency package and when directed, place a card in each badge rack slot of those required. This task will be accomplished for all Public Safety personnel, the medical station personnel, and Health Physics personnel that assembles in the Health Physics station on E1 690 in the service building. This information will be received from central accountability control.
- C. When REP accountability cards are received at the gatehouse from assembly areas, immediately ensure they are racked in slots in accordance with the badge number written on the reverse side.
- D. When all REP accountability cards are racked, reconcile problems. If no one is missing, all racks should have a 3 x 5 REP assembly area accountability card, an ID badge or the slot should be pegged. Problems shall immediately be reported to the Site Director.

- 4.4 The following applies to the accountability person working the Technical Support Center:
- A. Issue a block of numerically prepared 3 x 5 REP accountability cards to the person reporting to the Technical Support Center to assist in accountability procedure in the number necessary to cover individuals reporting for accountability.
  - B. Insure individuals being counted complete the reverse side of the card with their ID badge number. For those unable to fill out the card personally, the person responsible for compiling the accountability data, will complete the card(s).
  - C. When account is completed, immediately radio in/PAX the total figure.
  - D. Deliver completed REP accountability cards to the assigned "Runner" for delivery to the gatehouse.
  - E. Follow other duties required.
- 4.4 The following applies to persons working Central Accountability Control. This is the central locations where all assembly area accountability personnel will call in/radio the physical count from their assembly area:
- A. Central Accountability Control shall account for all Public Safety, Medical Station and Health Physics personnel on elevation 690 by radio or other communication (PAX) to the gatehouse by relaying badge numbers of the persons in these areas. The gatehouse accountability person will then accomplish tasks delineated in paragraph 4.3.B.
  - B. Central Accountability Control shall direct an available person to the snack bar area to insure the vending machine personnel have gone to the assembly room.
  - C. Central Accountability Control shall direct available persons "Runners" in the numbers necessary to go to all assembly areas, and to the Technical Support Center/Control Room to collect completed REP accountability cards. Two persons should be sufficient for this task.
  - D. Direct one (1) available person to the Technical Support Center. See paragraph .5 for procedures this person shall follow.
  - E. Central Accountability Control receives all accountability figures from assembly areas and balances them with the gatehouse count. If the figures do not balance expedient racking of REP accountability cards and requiring responsible persons in the gatehouse to search by name and resolve figure problems, keep the Technical Support Center, PSS, Supervisors informed of progress.

F. As needed, provide Construction PSS assistance in securing and clearing the owner control property and provide them with portable radio service.

4.5 The following applies to the person sent to the Technical Support Center:

- A. The PSS Supervisor in the Technical Support Center shall control this person and will provide any special instruction necessary.
- B. In addition to the above, this person will assist in acquiring accountability data for all persons reporting to the Technical Support Center.
- C. This person shall remain in the Technical Support Center until otherwise directed by the Emergency Site Director.

#### 5.0 CONTINGENCIES

This IP does not address security problems that may arise during a radiological emergency. These problems shall continue to be handled in accordance with the approved Contingency Plan.

SQNP  
REP-IPD  
SQN-IP-11  
Attachment A  
Page 1 of 1  
Rev. 4

RADIOLOGICAL EMERGENCY LOG SHEETS

PSS Officer		Date			
Name	Section	Badge No.	Time In	Time Out	Vehicle No. if Approp.

PERSONNEL ACCOUNTABILITY INVENTORY

The following is an accountability of the personnel inside the protected area at the time and date indicated.

Time: \_\_\_\_\_

Date: \_\_\_\_\_

<u>GATEHOUSE FIGURE</u>		<u>PHYSICAL COUNT</u>	
<u>PERSONNEL WITH PICTURE BADGE</u>	<u>TOTAL</u>	<u>REP ACCOUNTABILITY</u>	<u>TOTAL</u>
1. Power Personnel	_____	1. PSS Personnel	_____
2. Outage Personnel	_____	2. HP Personnel	_____
3. Construction Personne	_____	3. Medical Personnel	_____
		4. 701 Turb. Bldg. (Const)	_____
		5. Machine Shop	_____
<u>OFF-SITE WITH PICTURE BADGE</u>	<u>TOTAL</u>	6. Assembly Room	_____
1. Power Personnel	_____	7. Electrical Shop	_____
2. Outage Personnel	_____	18. Technical Support Center	_____
<u>VISITORS BADGES</u>	<u>TOTAL</u>	19. Control Room Operations Support Center	_____
1. Power Personnel	_____		
2. Field Services Personnel	_____		
3. Construction Personnel	_____		
4. Non-TVA Personnel	_____		
		<b>TOTAL</b>	_____
<b>GRAND TOTAL:</b>	_____	210. Owner Control	_____

<sup>1</sup>Get these figures from PSS Unit Supervisor in the Control Room.

<sup>2</sup>Get this figure from Construction PSS. (Do Not add in our protected area figure).

Sequoyah Nuclear Plant

DISTRIBUTION

SQN REP - IMPLEMENTING  
PROCEDURES DOCUMENT

SQN, IP-13

CALL LISTS

Prepared By: Ron Kitts

Revised By: Ron Kitts

Submitted By: D. Crowley  
Supervisor

PORC Review: 2/14/83  
Date

Approved By: James M. Guff  
Pwr Plt Superintendent

Date Approved: 2/14/83

- 1C 81 Plant Master File
- 1C 83 Asst. Power Plant Supt. (Oper.)
- 1C 84 Asst. Power Plant Supt. (Maint.)
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- 1C 96 Emergency Cabinet Control Room
- 1C 97 Emergency Cabinet Communications Room
- 1C 98 Emergency Cabinet Gatehouse
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- 1C EP&P - Eric Sliger 1470 CST2-C

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>	<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
<u>0</u>	<u>8/5/80</u>	<u>ALL</u>	<u>4</u>	<u>11/9/81</u>	<u>Revise 1, Delete 2,3,4</u>
<u>1</u>	<u>2/20/81</u>	<u>2,3, Added 4</u>	<u>5</u>	<u>2/14/83</u>	<u>Cancel Entire Instruction</u>
<u>2</u>	<u>7/10/81</u>	<u>2,3</u>			
<u>3</u>	<u>10/22/81</u>	<u>2</u>			

The last page of this instruction is Number \_\_\_\_\_