

REVISION LOG SHEET

Revision Date: February 9, 1983

This log sheet must be retained as the last page of the Muscle Shoals
Emergency Center Implementing Procedures Document.

<u>Pages to be Removed</u>			<u>New Pages to be Inserted</u>		
<u>Part</u>	<u>Page Number</u>	<u>Revision</u>	<u>Part</u>	<u>Page Number</u>	<u>Revision</u>
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REP-IPD/EC-IPD Cover Page

REP-IPD

MSEC, IP-16

Security Procedures

Prepared By: _____

Approved By: _____

Date: 9/25/81

<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>9/25/81</u>	<u>All</u>	_____	_____	_____
<u>1</u>	<u>2/9/83</u>	<u>All</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

The last page of this procedure is Number 1.

SECURITY PROCEDURES

1.0 PURPOSE

These procedures provide for security and access control at the MSEC during exercises and radiological emergencies.

2.0 SCOPE

These procedures describe the notification procedure to obtain security needed for the MSEC by TVA Public Safety Service in Muscle Shoals, Alabama.

3.0 REFERENCES

TVA Radiological Emergency Plan, Appendix D

4.0 ABBREVIATIONS AND DEFINITIONS

None

5.0 RESPONSIBILITIES

*The MSEC Director or alternate is responsible for ensuring security for MSEC and notifying the Public Safety Service upon declaration of an Alert, Site Area Emergency, or General Emergency. Security may be requested upon declaration of a Notification of Unusual Event, if deemed necessary.

6.0 PROCEDURE REQUIREMENTS

6.1 Security will be provided for the MSEC entrances. The doors should be locked as appropriate and MSEC staff or TVA Public Safety Service assigned to ensure that only personnel with proper identification are permitted inside the MSEC.

6.2 *The Public Safety Service, is available for EARL and WARL should the need arise. Contact to request this service is:

EARL - Knoxville, extention

WARL - Muscle Shoals, extention

*Revision

REVISION LOG SHEET

Revision Date: February 3, 1983

This log sheet must be retained as the last page of the Division of Nuclear Power Emergency Center Implementing Procedures Document.

Inserted by: _____

Date Inserted: _____

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IP-5	Cover Page 2 of 3	Rev. 2 Rev. 2	IP-5	Cover Page 2 of 3	Rev. 3 Rev. 3

(Time/Initials)

- / 6.1.1 Upon receiving a call from the Site Emergency Director:
1. Turn on recording equipment.
 2. Receive information from the Site Emergency Director.
 3. Log information on attachment 1.
 4. Conduct verification call to originating plant.

- / *6.1.2 Notify the appropriate State agency by direct line and provide attachment 1 information. After hours, the Alabama phone will be answered by the Department of Public Safety. Ask the Officer to contact Radiological Health Staff by phone or pager (No. 215) and relay attachment 1 information. Alternate telephone numbers for these agencies are listed in the TVA Radiological Emergency Notification Directory.

***Note: Notification to the State shall be made as soon as possible such that in all cases it is made within five minutes from when call is first received from the plant.

- / *6.1.3 Notify the NUC PR EDO. He will specify whether to notify the MSEC Director. (See the DNP Notification Board.)
- / 6.1.4 Notify the MSEC Director if specified by the Emergency Duty Officer. (See the DNP Notification Board.)
- / 6.1.5 Notify the CECC Director. (See the DNP Notification Board.)
- / 6.1.6 Notify the DNPEC Director. (See the DNP Notification Board.)
- / 6.1.7 Notify the Load Coordinator of the condition.
- 6.2 Actions to be Taken When the Condition is Terminated
- 6.2.1 Upon notification of the termination of the notification of unusual event, the ODS has the responsibility of notifying all parties informed in section 6.1 of this procedure.

*Revision
***Addendum

REP-IPD

DNPEC - IP-3

OPERATIONS DUTY SPECIALIST
PROCEDURE FOR ALERT

Prepared By: W. E. Webb, Jr.

Approved By: *W. E. Webb, Jr.*

Date: 9/25/81

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>	<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
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<u>2</u>	<u>OCT 26 1982</u>	<u>A11</u>	<u> </u>	<u> </u>	<u> </u>

The last page of this procedure is Number 4.

6.0 PROCEDURE REQUIREMENTS

6.1 Actions to be Taken for an Alert

The ODS performs the following tasks:

(Time/Initials)

- / 6.1.1 Upon receiving a call from the Site Emergency Director:
1. Turn on recording equipment.
 2. Receive information from the Site Emergency Director.
 3. Log information on attachment 1.
 4. Conduct verification call to originating plant.

- / *6.1.2 Notify the appropriate State agency by direct line and provide attachment 1 information. After hours, the Alabama phone will be answered by the Department of Public Safety. Ask the officer to contact Radiological Health Staff by phone or pager (No. 215) and relay attachment 1 information. Alternate telephone numbers for these agencies are listed in the TVA Radiological Emergency Notification Directory.

***Note: Notification to the State shall be made as soon as possible such that in all cases it is made within five minutes from when call is first received from the plant.

- / *6.1.3 Notify the NUC PR EDO. (See the DNP Notification Board.)
- / 6.1.4 Notify the MSEC Director. Determine if the MSEC Director considers it necessary to request emergency helicopter support. (See the DNP Notification Board.)
- / 6.1.5 Notify the CECC Director and have him report to the center. (See the DNP Notification Board.)
- / 6.1.6 Notify the DNPEC Director and have him report to the center. Determine if the DNPEC Director considers it necessary to call any technical support personnel at this time. (See the DNP Notification Board.)
- / 6.1.7 Notify the KEC Duty Officer and have him activate the KEC, if required. (See the DNP Notification Board.)
- / 6.1.8 Notify the Load Coordinator of the condition.
- / 6.1.9 Arrange for emergency helicopter support if requested by the MSEC or the DNPEC Director. The MSEC Director has first priority on the use of the helicopter.

*Revision
***Addendum

(Time/Initials)

 / 6.1.1

Upon receiving a call from the Site Emergency Director:

1. Turn on recording equipment.
2. Receive information from the Site Emergency Director.
3. Log information on attachment 1.
4. Conduct verification call to originating plant.

 / *6.1.2

Notify the appropriate State agency by direct line and provide attachment 1 information. After hours, the Alabama phone will be answered by the Department of Public Safety. Ask the officer to contact Radiological Health Staff by phone or pager (No. 215) and relay attachment 1 information. Alternate telephone numbers for these agencies are listed in the TVA Radiological Emergency Notification Directory.

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***Note: Notification to the State shall be made as soon as possible such that in all cases it is made within five minutes from when call is first received from the plant.

 / *6.1.3

Notify the NUC PR EDO. He will specify whether to notify the MSEC Director. (See the DNP Notification Board.)

 / 6.1.4

Notify the MSEC Director and have him activate the MSEC. Determine if the MSEC Director considers it necessary to request emergency helicopter support. (See the DNP Notification Board.)

 / 6.1.5

Notify the CECC Director and have him report to the center. (See the DNP Notification Board.)

 / 6.1.6

Notify the DNPEC Director and have him report to the center. Determine if the DNPEC Director considers it necessary to call any technical support personnel at this time. (See the DNP Notification Board.)

 / 6.1.7

Notify the KEC Duty Officer and have him activate the KEC. (See the DNP Notification Board.)

 / 6.1.8

Notify the Load Coordinator of the condition.

 / 6.1.9

Arrange for emergency helicopter support if requested by the MSEC or the DNPEC Director. The MSEC Director has first priority on the use of the helicopter.

 / 6.1.10

Notify the key CECC and DNPEC staff (See the DNP Notification Board and have them report to the emergency center.)

*Revision
***Addendum

REP-IPD

DNPEC - IP-5
OPERATIONS DUTY SPECIALIST
PROCEDURE FOR GENERAL EMERGENCY

Prepared By: W. E. Webb, Jr.
Approved By: [Signature]
Date: 9/25/81

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>	<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
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<u>2</u>	<u>OCT 26 1982</u>	<u>All</u>	<u> </u>	<u> </u>	<u> </u>

The last page of this procedure is Number 4.

6.1 Actions to be Taken for an Alert

The ODS performs the following tasks:

(Time/Initials)

 / 6.1.1

Upon receiving a call from the Site Emergency Director:

1. Turn on recording equipment.
2. Receive information from the Site Emergency Director.
3. Log information on attachment 1.
4. Conduct verification call to originating plant.

 / *6.1.2

Notify the appropriate State agency by direct line and provide attachment 1 information. After hours, the Alabama phone will be answered by the Department of Public Safety. Ask the officer to contact the Radiological Health Staff by phone or pager (No. 215) and relay attachment 1 information.

Alternate telephone numbers for these agencies are listed in the TVA Radiological Emergency Notification Directory.

***Note: Notification to the State shall be made as soon as possible such that in all cases it is made within five minutes from when call is first received from the plant.

 / 6.1.3

Notify the appropriate Local Civil Defense Agencies. (See the TVA Radiological Emergency Notification Directory.)

Give the following message. "This is the TVA Operations Duty Specialist. We have a General Emergency existing at _____ nuclear plant. Please activate your emergency organization. You will receive further instructions from the appropriate State agency "

Ensure the following recommended protective action is given:

"TVA recommends that you activate the warning system and advise the public to take shelter, tune radio or TV to a local station, and await further instructions."

 / *6.1.4

Notify the NUC PR EDO. (See the DNP Notification Board.)

 / 6.1.5

Notify the MSEC Director and have him activate the MSEC. Determine if the MSEC Director considers it necessary to request emergency helicopter support. (See the DNP Notification Board.)

 / 6.1.6

Notify the CECC Director and have him report to the center. (See the DNP Notification Board.)

REVISION LOG SHEET

Revision Date: PORC December 21, 1982 (issued 2/4/83)

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Inserted by: _____

Date Inserted: _____

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TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT IMPLEMENTING PROCEDURES DOCUMENT

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This List of Effective Pages must be retained with the Browns Ferry Nuclear Plant Implementing Procedures Documents.

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			8 of 18	06/29/82
			9 of 18	06/29/82
			10 of 18	06/29/82
			11 of 18	06/29/82
			12 of 18	06/29/82
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DEC 21 1982

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 to determine whether the NOTIFICATION OF UNUSUAL EVENT action should be cancelled, continued, or upgraded to a more serious classification.

2.0 INSTRUCTIONS

- 2.1 Upon determining by IP-1 that a NOTIFICATION OF UNUSUAL EVENT exists:

(initials - time) The Shift Engineer will:

- A. Notify the Operations Duty Specialist direct by dimension phone or alternate Chattanooga and state the following:

- a. Your name.
- b. Browns Ferry 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 _____.

- B. Operations Duty Specialist will return call to verify authenticity.

- C. The Shift Engineer or Shift Engineer's Clerk will notify the following individual of the incident:

*Revision

J.L.P.

DEC 21 1982

Contact the individual directly: the only message that should be left is for the individual to call the plant. Use PAX phone, plant paging system, or pocket pager as applicable. State that this is "NOTIFICATION OF UNUSUAL EVENT" and a brief description. The individual does not have to report to the plant.

(Initials) (Time)

- | | | | |
|-------|-------|--|---------------------------|
| _____ | _____ | a. Other Shift Engineer. (when assigned) | |
| _____ | _____ | b. Shift Technical Advisor 353/396/313/281 | |
| _____ | _____ | c. Operations Section Supervisor | R. Hunkapillar
Decatur |

OR

- | | | | |
|-------|-------|-----------------------|-------------------------------|
| _____ | _____ | Operations Supervisor | Tommy Jordon
Muscle Shoals |
|-------|-------|-----------------------|-------------------------------|

OR

- | | | | |
|-------|-------|-----------------------|-------------------------|
| _____ | _____ | Operations Supervisor | A. Burnette
Florence |
| _____ | _____ | Plant Superintendent | G. T. Jones
Decatur |

OR

- | | | | |
|-------|-------|--------------------------------|------------------------|
| _____ | _____ | Assistant Plant Superintendent | E. R. Ennis
Decatur |
|-------|-------|--------------------------------|------------------------|

OR

- | | | | |
|-------|-------|--------------------------------|----------------------------------|
| _____ | _____ | Assistant Plant Superintendent | J. R. Pittman |
| _____ | _____ | Public Information Officer | R. C. Boyer
Decatur
Beeper |

- | | | | |
|-------|-------|--|--|
| _____ | _____ | D. Notify the NRC by ring-down of plan activation. Specify <u>NOTIFICATION OF UNUSUAL EVENT</u> . Maintain an open line until released by NRC. | |
|-------|-------|--|--|

*Revision *J.L.H.*

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- 2.2 At least every two hours, or more frequently, if conditions warrant, the shift engineer will reevaluate the event using IP-1. The shift engineer on the unaffected unit(s) will handle additional communications.
- a. If the situation no longer exist, inform the personnel notified in step 2.1.
 - b. If the condition warrants upgrading to a higher classification, initiate the appropriate procedure for the more serious conditions.

ALERT

* Page 1 of 2
BEN - IPD
BEN, IP-3

DEC 21 1982

1.0 Purpose

- 1.1 To provide a method for timely notification of appropriate individuals when the shift engineer had 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 to determine whether the ALERT action should be cancelled, continued, or upgraded to a more serious classification.

2.0 INSTRUCTIONS

- 2.1 Upon determining by IP-1 that an ALERT exists:

The Shift Engineer will:

- A. Have the Shift Engineer's Clerk notify the Public Safety Shift Supervisor, state that this is an "ALERT", and direct him to activate the following procedures:

Initials - Time

_____ a. IP-11, Security Access Control (for control rooms only)

_____ b. IP-7, Activation of the Operations Support Center

- B. Have the Shift Engineer's clerk notify the Health Physics shift supervisor, state that this is an "Alert", and direct him to activate the following procedure:

IP-14, Health Physics Procedure

- _____ C. Evaluate plant conditions, and, if conditions warrant, initiate either or both IP-8 or IP-9 (activate emergency sirens for personnel assembly).

- _____ D. Notify the Operations Duty Specialist direct by dimension-phone _____ or alternate Chattanooga _____ and state the following:

a. Your name

b. Browns Ferry Nuclear Plant

c. ALERT

d. Time of incident

e. Brief description of incident

f. Plant condition (whether stable or deteriorating)

*Revision J.L.P.

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Initials - Time

g. Unusual release of radioactivity (yes or no). If yes, calculate release rate(s) in $\mu\text{Ci/sec}$ from Table 1 and 2. Release rate _____ $\mu\text{Ci/sec}$.

h. Direction wind is coming from _____ and speed _____.

E. Operations Duty Specialist will return call to verify authenticity.

F. The Shift Engineer or Shift Engineer's clerk will notify the following individuals of the incident.

Message: This is an ALERT. This is not a drill. Give a brief description.

- a. Other Shift Engineer (when assigned)
- b. Shift Technical Advisor, PAX
- c. Chemical Laboratory, PAX

G. The Shift Engineer's clerk will notify the personnel listed in IP-6.

H. Notify the NRC by ring-down phone of plan activation. Specify that this is an ALERT and a brief description. Maintain an open line until released by the NRC.

Note: NRC may send a response team to the site.

I. Time permitting, the Shift Engineer will implement operation of the TSC (IP-20), to include activation of Dimension telephones and placing required desks in hall in front of TSC.

2.2 At least every two hours, or more frequently if conditions warrant, the Shift Engineer will reevaluate the event using IP-1.

- a. If the situation no longer exists or should be downgraded, inform the personnel notified in step 2.1.
- b. If the condition warrants upgrading to a higher classification, initiate the appropriate procedure for the more serious conditions.

2.3 Refer to Table 1 for a quick estimate of maximum offsite dose for a stack release, and Table 2 for a quick estimate of the site boundary dose for building release.

SITE AREA EMERGENCY

DEC 21 1982

1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the shift engineer had 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 to determine whether the SITE AREA EMERGENCY action should be cancelled, continued, upgraded, or downgraded to another classification.

2.0 INSTRUCTIONS

- 2.1 Upon determining by IP-1 that a SITE AREA EMERGENCY exists:

The shift engineer will:

- | (Initials) | (Time) | |
|------------|--------|---|
| _____ | _____ | A. Have the shift engineer's clerk notify the Public Safety Shift Supervisor, state that this is a " <u>SITE AREA EMERGENCY</u> " and direct him to activate the following procedures: |
| _____ | _____ | a. IP-11, Security and Access Control. |
| _____ | _____ | b. IP-7, Activation of the Operations Support Center. |
| _____ | _____ | B. Have the shift engineer's clerk notify the Health Physics Shift Supervisor, state this is a <u>SITE AREA EMERGENCY</u> and direct him to activate the following procedure:
IP-14, Health Physics Procedure. |
| _____ | _____ | C. Evaluate plant conditions, and, if conditions warrant, initiate either or both IP-8 or IP-9 (activate emergency sirens for personnel assembly). |
| _____ | _____ | D. Notify the Operations Duty Specialist by direct dimension-phone _____, alternate Chattanooga _____ and state the following: |
| | | a. Your name. |
| | | b. Browns Ferry Nuclear Plant. |
| | | c. <u>SITE AREA EMERGENCY</u> |
| | | d. Time of incident. |
| | | e. Brief description of incident. |
| | | f. Plant condition (whether, stable or deteriorating). |

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g. Unusual release of radioactivity (yes or no) If yes, calculate release rate(s) in μ Ci/sec from Table 1 & 2. Release rate μ Ci/sec

h. Direction wind is coming from _____ and speed _____/.

E. Operations Duty Specialist will return call to verify authenticity.

F. The Shift Engineer or Shift Engineer's clerk will notify the following individuals of the incident.

Message: "This is a SITE AREA EMERGENCY, this is not a drill." Give a brief description.

a. Other Shift Engineer. (when assigned)

b. Shift Technical Advisor, PAX

c. Chemical laboratory, PAX

G. The Shift Engineer's clerk will notify the personnel listed in IP-6.

H. Notify the NRC by ring-down phone of plan activation. Specify this is a SITE AREA EMERGENCY and a brief description. Maintain an open line until released by the NRC.

Note: NRC should arrive onsite in approximately 3 hours.

I. Time permitting, the Shift Engineer will implement operation of the TSC (IP-20), to include activation of Dimension telephones and placing required desks in hall in front of TSC.

2.2 At least every two hours or more frequently if conditions warrant, the Shift Engineer will reevaluate the event using IP-1.

a. If the situation no longer exists or should be downgraded, inform the personnel notified in step 2.1.

b. If the condition warrants upgrading to a higher classification, initiate the appropriate for the more serious conditions.

NOTE: Precautionary site evacuation should be considered.

2.3 Refer to Table 1 for a quick estimate of maximum offsite dose for a stack release, and Table 2 for a quick estimate of the site boundary dose for a building release.

GENERAL EMERGENCY

REC 31 1982

1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the shift engineer had determined by IP-1 that an incident has occurred which classified as a GENERAL EMERGENCY.
- 1.2 To provide a method for periodic reanalysis of the current situation to determine whether the GENERAL EMERGENCY action should be cancelled, continued, or downgraded to a less classification.

2.0 INSTRUCTIONS

- 2.1 Upon determining by IP-1 that a GENERAL EMERGENCY exists:

The shift engineer will:

<u>Initials</u>	<u>Time</u>	
_____	_____	A. Have the shift engineer's clerk notify the Public Safety Shift Supervisor, state that this is a " <u>GENERAL EMERGENCY</u> " and direct him to activate the following procedures:
_____	_____	a. IP-11, Security and Access Control.
_____	_____	b. IP-7, Activation of the Operations Support Center.
_____	_____	B. Have the shift engineer's clerk notify the Health Physics Shift Supervisor, state this is a "GENERAL EMERGENCY", and direct him to activate the following procedure: IP-14, Health Physics Procedure.
_____	_____	C. Evaluate plant conditions and, if conditions warrant, initiate either or both IP-8 or IP-9 (activate emergency sirens for personnel assembly).
_____	_____	D. Notify the Operations Duty Specialist direct by dimension-phone alternate Chattanooga and state the following:
		a. Your name.
		b. Browns Ferry Nuclear Plant
		c. <u>GENERAL EMERGENCY</u>
		d. Time of incident.
		e. Brief description of incident.

J.R.P.

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Initials - Time

- f. Plant condition (whether stable or deteriorating).
- g. Unusual release of radioactivity (yes or no). If yes, calculate release rate(s) in $\mu\text{Ci/sec}$ from Table 1 and 2. Release rate $\mu\text{Ci/sec}$.
- h. Wind direction is coming from and speed .
- i. Recommended initial protective actions for the public: (Activate the warning systems and advise the public to take shelter, tune radio or TV to a local station, and await further instructions.)

____ E. Operations Duty Specialist will return call to verify authenticity.

F. The Shift Engineer or Shift Engineer's clerk will notify the following individuals of the incident.

Message: This a GENERAL EMERGENCY. This is not a drill. Give a brief description.

____ a. Other Shift Engineer. (when assigned)

____ b. Shift Technical Advisor, PAX

____ c. Chemical Laboratory, PAX

____ G. The Shift Engineer's Clerk will notify the people listed in IP-6.

____ H. Notify the NRC by ring-down phone of plan activation. Specify that this is a GENERAL EMERGENCY and a brief description. Maintain an open line until released by the NRC.

NOTE: NRC should arrive on site in approximately 3 hours.

I. Time permitting, the Shift Engineer will implement operation of the TSC (IP-20), to include activation of Dimension telephones and placing required desks in hall in front of the TSC.

2.2 At least every two hours, or more frequently if conditions warrant, the Shift Engineer will reevaluate the event using IP-1. The Shift Engineer on the unaffected unit(s) will handle additional communications.

a. If the situation no longer exists or should be downgraded, inform the personnel notified in step 2.1.

NOTE: Site evacuation is probable under these conditions.

2.3 Refer to Table 1 for a quick estimate of maximum offsite dose for a stack release, and Table 2 for a quick estimate of the site boundary dose for building release.

*Revision

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ATTACHMENT 1

Contact one or more (as noted below) from each category by name . Do not leave a message.
Inform each person contacted of the position he was contacted to fill.

MESSAGE: "We have a/an (ALERT) (SITE AREA EMERGENCY) (GENERAL EMERGENCY) condition
existing at the plant. This is not a drill. Please report to the Technical Support
Center immediately.

SITE EMERGENCY DIRECTOR (Contact 1)

<u>INITIAL</u>	<u>TIME CONTACTED</u>	<u>PAY</u>	<u>DIMENSION</u>	<u>HOME</u>
_____	_____	George Jones		
_____	_____	John Pittman		
_____	_____	Eddie Ennis		
_____	_____	Ray Hunkpillar		

OPERATIONS MANAGER (Contact 1)

_____	_____	Ray Hunkpillar
_____	_____	Tommy Jordan
_____	_____	A. L. Burnette

TECHNICAL ASSESSMENT MANAGER (Contact 1)

*	_____	Bill Thomison
*	_____	Terry Chinn
	_____	Bob Metke

MAINTENANCE MANAGER (Contact 1)

_____	_____	John Pittman
_____	_____	Jim Swindell
_____	_____	Tink Haney

REP COMMUNICATOR (Contact 1)

<u>INITIAL</u>	<u>TIME CONTACTED</u>	<u>PAX</u>	<u>DIMENSION</u>	<u>HOME</u>
_____	_____	Terry Chinn		
_____	_____	Bill Roberts		
_____	_____	Carrol Rozear		

TSC COMMUNICATOR (Contact 1)

_____	_____	Bob Metke
_____	_____	Dwight Mims
_____	_____	R. McPherson

PUBLIC SAFETY SERVICE SUPERVISOR (Contact 1)

_____	_____	Ralph Jackson
_____	_____	James Brazell
_____	_____	Glenn Lard

NRC COMMUNICATOR (Contact 1)

_____	_____	Bob Smith
_____	_____	Bill Roberts
_____	_____	Carrol Rozear

HEALTH PHYSICS (Contact 2)

_____	_____	Allen Sorrell
_____	_____	Ed Cargill
_____	_____	Wayne Simpkins
_____	_____	Herman Crowson

RADIOCHEMICAL ENGINEER (Contact 1)

_____	_____	Bill Thomison
_____	_____	Ausie Clement
_____	_____	Weaver Burton

MECHANICAL ENGINEER (Contact 1)

<u>INITIAL</u>	<u>TIME CONTACTED</u>	<u>PAX</u>	<u>DIMENSION</u>	<u>HOME</u>
		Tink Haney		
		Charlie Wages		
		Jim Walker		

ELECTRICAL ENGINEER (Contact 1)

		Tom Cosby
		D. Thompson
		Stan Solley

INSTRUMENT & CONTROLS ENGINEER (Contact 1)

		Ron Burns
		Gary Shanker
		Bob Irby

REACTOR ENGINEER (Contact 1)

Earl Nave
 (Backup provided by shift technical advisor)
PSO ENGINEER (Contact 1)

		Leonard Bynum
		Lee Haygood
		Elmer Todd

SECRETARY (Contact 3)

		G. Harrison
		C. McChristian
		Betty Riley
		Brenda Owens

PUBLIC INFORMATION OFFICER

		Bob Boyer
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OPERATIONS SPECIALIST (Contact 1)

<u>INITIAL</u>	<u>TIME CONTACTED</u>	<u>PAX</u>	<u>DIMENSION</u>	<u>HOME</u>
_____	_____	S. Burnette		
_____	_____	Tommy Jordan		
_____	_____	Roy Smallwood		

COMPUTER SPECIALIST (Contact 1)

_____	_____	Dan Phillips
_____	_____	Larry Johnson
_____	_____	Russ McNutt

SYSTEMS & TEST ENGINEER (Contact 1)

_____	_____	Dwight Mims
_____	_____	R. McPherson
_____	_____	Paul Romine

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ATTACHMENT 1

Request each person by name by stating "Browns Ferry calling (name)" and indicate the time each person was contacted in the left margin.

Message: "We have a/an (ALERT) (SITE AREA EMERGENCY) (GENERAL EMERGENCY) condition existing at the plant. Please report to the Operations Support Center immediately.

<u>Initials</u>	<u>Time Contacted</u>	<u>Name</u>	<u>PAX</u>	<u>DIM</u>	<u>HOME</u>
-----------------	-----------------------	-------------	------------	------------	-------------

INSTRUMENT MAINTENANCE (CONTACT 3)

_____	_____	Alton McCaleb
_____	_____	Gene Hartsfield
_____	_____	J. D. Thompson
_____	_____	Guy Thompson
_____	_____	Ken Montgomery
_____	_____	Ron Turberville

ELECTRICAL MAINTENANCE (CONTACT 4)

_____	_____	Jim Fowler
_____	_____	Mike Jackson
_____	_____	John Killen
_____	_____	Julian Bass
_____	_____	Pete McLemore
_____	_____	Billy Tompkins
_____	_____	Dennis White

*Revision *J.R.P.*

<u>Initials</u>	<u>Time Contacted</u>	<u>Name</u>	<u>PAX</u>	<u>DIM</u>	<u>HOME</u>
-----------------	-----------------------	-------------	------------	------------	-------------

MECHANICAL MAINTENANCE (CONTACT 4)

_____	_____	John Whitt			
_____	_____	Carlos Jones			
_____	_____	Bobby Laurence			
_____	_____	John Beck			
_____	_____	Tom Marshall			
_____	_____	Dale Taylor			

PSO (Contact 1) —

_____	_____	Jim Thompson			
_____	_____	Duncan Massey			

*Revision J.L.P.

2.1.2.2 Operators

If outside the control room, secure the operation in which they are engaged and proceed to the control room for further instructions and accountability. If within the control room, remain there for instructions and accountability. Each assistant shift engineer will account for operating personnel assigned to his unit and report to the shift engineer. The shift engineer will forward these listings to the Site Emergency Director.

2.1.2.3 Health Physics Technicians

Proceed to the Health Physics lab (if habitable) and make an accountability report to the Site Emergency Director, and standby for instructions. If the HP lab is uninhabitable, proceed to the backup HP center in the unit 3 mechanical equipment room, control bay, elevation 617, and report to the Site Emergency Director and standby for instructions.

2.1.2.4 Public Safety Service Employees

Man assigned post until instructed otherwise by the Public Safety Service shift supervisor. The PSS shift supervisor, after consultation with the Site Emergency Director, will assign PSS officers at strategic locations, as needed, compatible with IP-11, Security Access Control. The Public Safety Service shift supervisor will notify construction of the evacuation using Attachment 1.

* 2.1.2.5 Radiochemical Laboratory Analysts

Proceed to the Radiochemical Laboratory (if habitable). If uninhabitable, proceed to shift engineers office. Report accountability to Site Emergency Director. Standby for instructions.

* 2.1.2.6 Nurse

Proceed to Health Station (if habitable). If uninhabitable, proceed to shift engineer office. Report accountability to Site Emergency Director. Standby for instructions.

* Revision

J. R. R.

DEC 21 1982

PERSONNEL ACCOUNTABILITY AND EVACUATION

1.0 Purpose

- 1.1 To provide a method for the accounting and orderly evacuation of all plant personnel and visitors prior to an orderly evacuation of an area, building, or site during a radiological emergency. Reentry guidelines are also involved.

2.0 INSTRUCTIONS

- 2.1 In the event of any release of radioactivity or sudden increase in radiation levels, it is the responsibility of the Site Emergency Director to make the decision concerning the necessity for area, building, and site evacuation.

2.1.1 AREA AND BUILDING EVACUATION (NOTIFICATION BY PUBLIC ADDRESS)

- * All personnel evacuate to a safe area. The senior individual present will account for all personnel present and report to the Site Emergency Director. Remain in a safe area for further instructions. 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 possible spread of contamination these persons 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 directed, report to your supervisor, or the TSC or OSC, depending on individual circumstances, for accountability purposes. If not instructed otherwise, continue assigned tasks.

2.1.2 TOTAL SITE EVACUATION (NOTIFICATION BY PUBLIC ADDRESS AND SIREN)

2.1.2.1 Site Emergency Groups

- * Technical Support Center personnel previously notified will report to the TSC. Operations Support Center personnel previously notified will report to the OSC. Individuals will be designated to perform accountability and notify the Site Emergency Director of results.

*Revision J. L. R.

2.1.2.7 All Persons Within Plant Controlled Areas

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BPN - IPD
BPN, IP-8

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If he deems it necessary, or if radiation levels would cause a radiation exposure of 100 mrem in unrestricted areas, or if airborne radioactivity is in excess of MPC for uncontrolled areas, the Site Emergency Director, using the public address systems and siren, will order evacuation to the west and east employee parking lots adjacent to the front and rear portals for accountability and additional instructions. If radiological conditions are such that one parking lot is unsuitable for an assembly area, the other lot will act as a backup. Personnel would then exit through their normal gatehouse but then proceed to the other parking lot.

All plant employees (except those assigned emergency duties) and visitors will proceed to the parking lot adjacent to the front portal for accountability and further instructions.

The emergency director appoints and dispatches an accounting officer to this location. Persons working in a c-zone will follow the procedures listed in 2.1.1 for evacuation.

- a. Assembled personnel's names and badge numbers from control rooms, TSC, OSC, health physics, radiochemical laboratory, and health station are forwarded to the Site Emergency Director.
- b. Each craft foreman will account for persons assigned to him and report results to Public Safety.
- c. The property and supply officer will account for Power Stores employees and report results to Public Safety.
- d. The senior PSO engineer not assigned emergency duty will account for all PSO engineering unit people and report results to Public Safety.
- e. Visitor's escorts will account for their visitors and report to Public Safety.
- f. Visitors without escorts and construction services personnel will report their presence to Public Safety.
- g. All other Power annual employees report individually to their supervisor who will report their presence to Public Safety.
- h. In the absence of the craft foreman or other supervisor, Public Safety will appoint someone to perform this function.
- i. The portals will provide a listing of badge numbers and names of all present inplant personnel to Public Safety and names who will forward this to the TSC.

* Revision

J. R. P.

j. With the listing from steps a - h, the Site Emergency Director or his designee will subtract these from step 1.

BFN - IPD
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k. The names and badge number of absent persons are returned to Public Safety to determine where persons may be.

l. If required, the Site Emergency Director forms search parties, each having at least one HP technician.

m. Employees will be released from their assembly points when the Site Emergency Director determines it is suitable. Certain individuals may be recalled before release by the Site Emergency Director. All people and vehicles pass through the Health Physics checkpoints coincident with the PSS access control point for survey prior to being released. If radiation levels at both employee parking lots are unsafe for occupancy, the assembly point will be moved to a location specified by the Site Emergency Director. Instructions will be given by the Site Emergency Director, based on local radiation and contamination conditions.

2.1.2.8 DIVISION OF CONSTRUCTION

Refer to IP-9. Notification will be made by Public Safety as described in 2.1.2.4.

2.1.3 CONTAMINATED INDIVIDUALS

Contaminated individuals will be evacuated to the Wilson Hydro Plant utility building. The Site Emergency Director will notify the CEC Director and provide for transportation, sheltering, and decontamination through the CEC Director. The Site Emergency Director may recall these individuals through the CEC Director.

2.1.4 VISITORS OUTSIDE PLANT CONTROLLED AREAS

Upon hearing the emergency siren, the Public Safety Officer on duty at the gate will lock all gates to ensure controlled entrance and exit. Using the Public Safety Service radio system, he will summon additional Public Safety officers to assist in evacuation of all visitors from TVA land and adjacent water areas outside the fenced area. He will then assemble all nonescorted visitors in the designated area in the parking lot and account for them to the Site Emergency Director. Visitor's names and addresses will be recorded and they will be escorted to the PSS access control point where Health Physics personnel will check all people and vehicles for contamination prior to their release. Affected areas of Wheeler Lake will be evacuated by the Alabama Division of Water Safety, as defined in that section of the State Plan, through the Division Emergency Director.

* Revision J.L.D.

ATTACHMENT 1

TIME CONTACTED

PAX

BELL

Dave Montgomery

or:

Preston Scott

or:

Thomas Beasley

Give the following information:

"We have an emergency condition existing at the plant necessitating a site evacuation. Please assemble at the construction gatehouse, account for your personnel, and notify plant public safety when completed."

*Revision J.R.P.

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2.1.5 PLANT REENTRY

As soon as possible after personnel evacuation has been accomplished, procedures will be initiated to restore the plant to normal conditions. Complete radiation and contamination surveys will be made prior to plant personnel reentering evacuated areas.

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

*Addendum: J. D. R.

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EVACUATION IF CONSTRUCTION SERVICES PERSONNEL

1.0 PURPOSE

- 1.1 To provide a method for accounting for all Division of Construction personnel and visitors prior to an orderly evacuation during a radiological emergency. Reentry guidelines are also described.

2.0 INSTRUCTIONS (FOR PERSONS IN CONSTRUCTION AREA)

- 2.1 It is the responsibility of the Site Emergency Director to make the decision concerning the necessity for construction area evacuation.
- 2.2 Upon receiving notification from the PSS Shift Supervisor, the Construction contact will notify the Public Safety Office on duty at the construction site to secure the construction access roads and parking lot.
- * 2.3 Construction personnel and visitors will assemble at the construction gatehouse.
- 2.4 All employees and visitors will be accounted for by the Construction Engineer, General Foreman, or Assistant General Foreman, and a complete list of names will be made available to the Site Emergency Director.
- 2.5 Visitor's names and addresses will be recorded and they will be held along with the employees, at the assembly area until Health Physics personnel check for personal and vehicle contamination prior to their release.
- 2.6 Only upon authorization and notification by the Site Emergency Director will construction personnel return to their assigned work locations.

3.0 INSTRUCTIONS (FOR CONSTRUCTION SERVICES PERSONS WITHIN THE PLANT)

- 3.1 Construction personnel working inside the plant should evacuate in accordance with IP-8, and report their presence to Public Safety.

*Revision J.R.P.

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SECURITY AND ACCESS CONTROL

1.0 PURPOSE

- * 1.1 To provide a method for implementation of a predetermined security and access control plan for a plant emergency as declared by the shift engineer or Site Emergency Director.

2.0 INSTRUCTIONS

- * On notification of an ALERT, SITE AREA, OR GENERAL EMERGENCY by the shift engineer or the shift engineer's clerk, the PSS shift supervisor will initiate the following steps:
- * 2.1 Report immediately to the Central Alarm Station. He will take charge of the assignments to the PSS personnel, supervise accountability procedures as necessary and maintain communications with all onsite PSS personnel.
- 2.2 If it is a SITE AREA EMERGENCY or GENERAL EMERGENCY, or at the request of the Site Emergency Director, close all site access control points which control personnel entering or leaving the site. No personnel except those preauthorized by identification card or authorized by the Site Emergency Director will be allowed to enter. No personnel except those who have (1) been authorized by the Site Emergency Director, (2) accounted for by PSS, and (3) monitored by HP will be allowed to leave the site.
- 2.3 Notify the PSS unit supervisor of the emergency condition.
- 2.4 Dispatch officers to secure all exterior doors into the plant and all gates on the reservation.
- 2.5 If it is an ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY, or at the request of the Site Emergency Director, dispatch access control officers to the entrance of control rooms. These officers will deny access to the control room of all personnel without the required picture badge with solid red bar at the bottom of the badge. The Site Emergency Director can give authorization for other persons to enter the control rooms, if required.
- * 2.6 If the evacuation alarm sounds, assign available officers to access portals, east and west. These officers will survey the employees badge, accountability card racks, and visitor log. These officers will then make an accountability by badge number of all personnel in the plant that entered these access portals, and checked against the accountability reports taken by Public Safety from supervisors at the assembly areas. This list will then be taken to and compared with the Site Emergency Director's assembly area accountability list.

TECHNICAL SUPPORT CENTER (TSC)
OPERATION

DEC 21 1982

1.0 PURPOSE

To establish the TSC organization and provide for TSC operation after it is manned. This should begin within 30-minutes to 1 hour after plan activation. Activation of the TSC is required only during an ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY.

1.0 INSTRUCTIONS

Note: Refer to Figure 1 of IP-20 for Radiological Emergency Organization Chart.

- 2.1 As soon as possible after the shift engineer has begun plan activation the TSC should be established. See Attachment 2 for activating TSC phones.
- 2.2 The shift engineer designated by the schedule will assume the duties of the Site Emergency-Director and man the TSC until relieved. When relieved, he will continue to act as the principal communicator with DNPEC until relieved by the REP Communicator. If a second shift engineer is assigned to the shift, he will direct activities on the affected unit.
- 2.3 Establish communications with the Division of Nuclear Power Emergency Center (DNPEC) by dimension phone or alternate means as listed in IP-23. (Duty will be assumed by REP Communicator notified in IP-6 upon arrival at the TSC).
- 2.4 Shift engineer will maintain log of events and communications. (Duty will be assumed by secretary notified in IP-6 upon arrival at the ECC.)
- 2.5 Site Emergency Director will verify that all positions in the Emergency Organization (Figure 1) are filled, or will call in additional personnel from the call list in IP-6.
- 2.6 Site Emergency Director will reevaluate emergency conditions in accordance with IP-1 every two hours or more often if conditions warrant.
- 2.7 Maintenance Unit Supervisor or individual designated by the Maintenance Manager will direct each area of the OSC and will communicate with the appropriate engineer in the TSC. The Maintenance Manager will communicate with the OSC through these individuals. OSC PAX numbers are:
Mechanical
Electrical
Instrumentation

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2.8 Technical Assessment Manager will direct the technical staff in the TSC.

2.9 The TSC is located on the 3C level of the control bay, between the units 1 and 2 and unit 3 control rooms. Physical layout of the TSC is shown in Figure 2 of this procedure. The lunchroom, located between the relay room and units 1 and 2 control room is available for extra working space.

Note: Additional communications for the TSC are available in the shift engineer's office.

2.10 The TSC communicator will keep the TSC informed of plant conditions, especially information required for use in IP-18.

2.11 Responsibilities of positions in the TSC and individuals assigned these positions are as listed below:

2.12 Reference books available for TSC use during an emergency are listed on Attachment D. Keys for bookshelves in the TSC are located in the TSC supply cabinet and/or the shift engineer's office.

Site Emergency Director

1. Directs activities of site emergency organization.
2. Consults with CECC on important decisions
3. Initiates protective actions onsite.
4. Coordinates as necessary emergency actions with onsite NRC.

Operations Manager

1. Directs operational activities.
2. Informs Site Emergency Director of plant status and operational problems.
3. Performs damage assessment as necessary.
4. Recommends solutions and mitigating action for operational problems.

Technical Assessment Manager

1. Directs onsite radiological monitoring and effluent assessment.
2. Directs activities of system status evaluators.
3. Projects future plant status based on present plant conditions.
4. Keeps assessment team informed on plant status.
5. Provides information, evaluations, and projections to Site Emergency Director.
6. Coordinates assessment activities with the DNPEC.

Maintenance Manager

1. Directs repairs and corrective actions.
2. Performs damage assessment.
3. Directs activities of Operational Support Center thru his engineers.
4. Coordinates repair activities with the DNPEC.

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REP Communicator

1. Advises site emergency director regarding overall radiological emergency plan, use of procedures, emergency equipment availability, and coordination with DNPEC, KEC, and MSEC.
2. Evaluates plant status and performs principal communications with DNPEC.
3. Maintains plant status board in TSC.
4. Maintains REP Organization Board.

Secretaries

1. Maintains log of events.
2. Maintains accountability of TSC personnel.
3. Answers telephones.
4. Distributes IP-20, Attachment A data sheets.
5. Other duties as assigned by Site Emergency Director.

TSC Communicator

1. Provides information from control rooms to Technical Assessment Manager.
2. Completes IP-20, Attachment A data sheets.

Public Safety Services Supervisor

1. Directs activities of public safety services personnel.
2. Controls access to site and control rooms.
3. Reports on accountability in case of evacuation.

Radiochemical Engineer

1. Coordinates with MSEC assessment of radioactive effluents.
2. Directs post-accident sampling activities.
3. Directs activities of the radiochemical laboratory.
4. Determines impact of incident on radwaste and various effluent treatment systems.
5. Coordinates assessment of radiological conditions offsite with MSEC.
6. Provides meteorological and dose protection information.

Mechanical Engineer

1. Directs OSC (Mechanical)
2. Performs damage and repair assessment.

Reactor Engineer

1. Performs evaluations as directed by Technical Assessment Manager.

Instrument & Controls Engineer

1. Directs OSC (Instrumentation)
2. Performs damage and repair assessment.

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Electrical Engineer

1. Directs OSC (Electrical)
2. Performs damage and repair assessment.

Health Physicist

1. Directs and/or performs assessment of inplant and onsite radiological conditions.
2. Directs onsite HP activities.
3. Coordinates additional HP support with MSEC.
4. Makes recommendations for protective actions for onsite personnel.
5. Coordinates effluent and offsite dose assessment with MSEC.
6. Maintains inplant radiation status board.

PSO Engineer

1. Directs OSC (PSO)
2. Performs damage and repair assessment.

Systems & Test Engineer

1. Performs evaluations as directed by Technical Assessment Manager.

NRC Communicator

1. Acts as primary liason with onsite NRC personnel.
2. Updates NRC personnel of plant status.
3. Provides information requests from NRC to TSC personnel.
4. Mans NRC red phone.
5. Update area maps and off-site status board.

Operations Specialist

1. Provides operational knowledge into status evaluation of all plant systems.
2. Provides advice regarding technical specifications, system response, safety limits, etc.
3. Assists in development of recommended solutions to developing problems.

Computer Engineer

1. Provides assistance to TSC by maintaining computer, repairing hardware, software development, etc.
2. Troubleshoot, maintain, and repair TSC computer systems and peripheries (when installed).

2.13 Key emergency communication systems and numbers are listed in IP-23 for both onsite and offsite communications.

2.14 In events lasting longer than 12 hours, long term operations will be undertaken as described in IP-22.

— 2.15 Calculations made in accordance with IP-18 will be forwarded to DNPEC, KEC, MSEC via dimension phone or by alternate communications as described in IP-23.

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2.16 Communications of other technical information will be via dimension phone or alternate communications as described in IP-23 to the DNPEC, KEC, or MSEC, as appropriate.

2.17 Ringdown with Chattanooga, Muscle Shoals, and Knoxville via dimension is operated as follows:

<u>Number</u>	<u>Location</u>
22 + 200	DNPEC
23 + 361	Sequoyah TSC
24	MSEC
25	KEC
26	BFNP TSC
99	All (Conference)

2.18 The NRC role onsite is to observe, advise, and concur with licensee decisions and actions. If a situation arises where the NRC wants an action taken regarding plant operation that TVA does not agree with, the Site Emergency Director shall require the NRC to sign a Written Order (per 10 CFR 2) directing TVA to take the action before the Site Emergency Director will comply.

* 2.19 Should it be necessary to evacuate the TSC, the second level of the office building will act as the alternate TSC.

2.20 Refer to Attachment B for TSC dimension phone numbers.

*Revision J.E.W.

DEC 21 1982

		Time _____	
<u>Parameter</u>	<u>Instrument</u>	<u>Panel</u>	<u>Reading</u>
Reactor Level (Normal)	LI 3-62 (inches)	9-3	_____
Drywell Pressure	PI 64-50A (psia)	9-3	_____
	PI 64-67B (psia)	9-3	_____
Drywell Temperature	TR 64-52 (OF)	9-3	_____
Torus Temperature	TR 64-52 (OF)	9-3	_____
Torus Waterlevel	LI 64-54A (inches)	9-3	_____
HPCI Pressure	PI 73-31A (psig)	9-3	_____
HPCI Flow	FI 73-33 (gpm)	9-3	_____
RCIC Pressure	PI 71-35A (psig)	9-3	_____
RCIC Flow	FI 71-36A (gpm)	9-3	_____
RHR Loop I Pressure	PI 74-51 (psig)	9-3	_____
RHR Loop I Flow	FI 74-50 (gpm)	9-3	_____
RHR Loop II Pressure	PI 74-65 (psig)	9-3	_____
RHR Loop II Flow	FI 74-64 (gpm)	9-3	_____
Core Spray Loop I Press.	PI 75-20 (psig)	9-3	_____
Core Spray Loop I Flow	FI 75-21 (gpm)	9-3	_____
Core Spray Loop II Press	PI 75-48 (psig)	9-3	_____
Core Spray Loop II Flow	FI 75-49 (gpm)	9-3	_____

After completion, hand carry to secretary in hallway outside TSC for distribution.

Distribution

Technical Assessment Manager
 Maintenance Manager
 Operations Manager
 REP Communicator
 NRC Communicator
 DNPEC (Telecopy)

vision *[Signature]*

DEC 21 1982

		Time	
Reactor Coolant Temp.	TR 68-2 Loop A (°F)	9-4	_____
	Loop B (°F)	9-4	_____
Reactor Level(Accident)	LI 3-46A (inches)	9-5	_____
Reactor Pressure	PI 3-54 (psia)	9-5	_____
Torus H ₂ conc.	H ₂ R 76-37 or 39(%)	9-54,55	_____
Torus O ₂ conc.	O ₂ R 76-41 or 43(%)	9-54,55	_____
Drywell H ₂ conc.	H ₂ R 76-37 or 39(%)	9-54,55	_____
Drywell O ₂ conc.	O ₂ R 76-41 or 43(%)	9-54,55	_____
<u>Other (specify)</u>			
_____	_____	_____	_____
_____	_____	_____	_____

Equipment Operability - Check the listed equipment for operability. If less than fully operable, explain in REMARKS.

<u>Equipment</u>	<u>Operable (Init)</u>	<u>Equipment</u>	<u>Operable (Init)</u>
Standby Liquid Control	_____	ADS/Relief Vlvs	_____
CRD Pumps	_____	SBGT	_____
Core Spray	_____	Control Room	_____
RHR (LPCI)	_____	Emer. Press.	_____
RHR (CTMT Cooling)	_____	CAD	_____
HPCI	_____	Diesels (U1&U2)	_____
RCIC	_____	Diesels (U3)	_____
EECW	_____	500 KV Power	_____
RHRSW	_____	161 KV Power	_____
Feedwater System	_____	4 KV System	_____
Condensate System	_____	480V System	_____
Primary Containment	_____	DC Power	_____

After completion, hand carry to secretary in hallway outside TSC for distribution.

Distribution

Technical Assessment Manager
Maintenance Manager
Operations Manager

REP Communicator
NRC Communicator
DNPEC (Telecopy)

		Time	
SBGTS Flow	FI 65-50 + FI65-71(cfm)	9-25	_____
	FI 65-71 (scfm x 1000)	9-25	_____
Drywell Radiation	RM 90-272A (R/hr)	9-54	_____
	RM 90-273A (R/hr)	9-55	_____
Torus Radiation	RM 90-272B (R/hr)	9-54	_____
	RM 90-273B (R/hr)	9-55	_____
Stack Radiation	RE 90-147 (cps)	25-39	_____
	RE 90-147 (cps)	25-39	_____
Stack Flow	FI 1-90-271 (cfm)	9-53	

After completion, hand carry to secretary in hallway outside TSC for distribution.

Distribution

Technical Assessment Manager
 Radiochemical Engineer
 DNPEC (Telecopy)

*Revision

J.R.V.

DEC 21 1982

TECHNICAL SUPPORT CENTER - DIMENSION PHONE NUMBERS

TITLE

PHONE

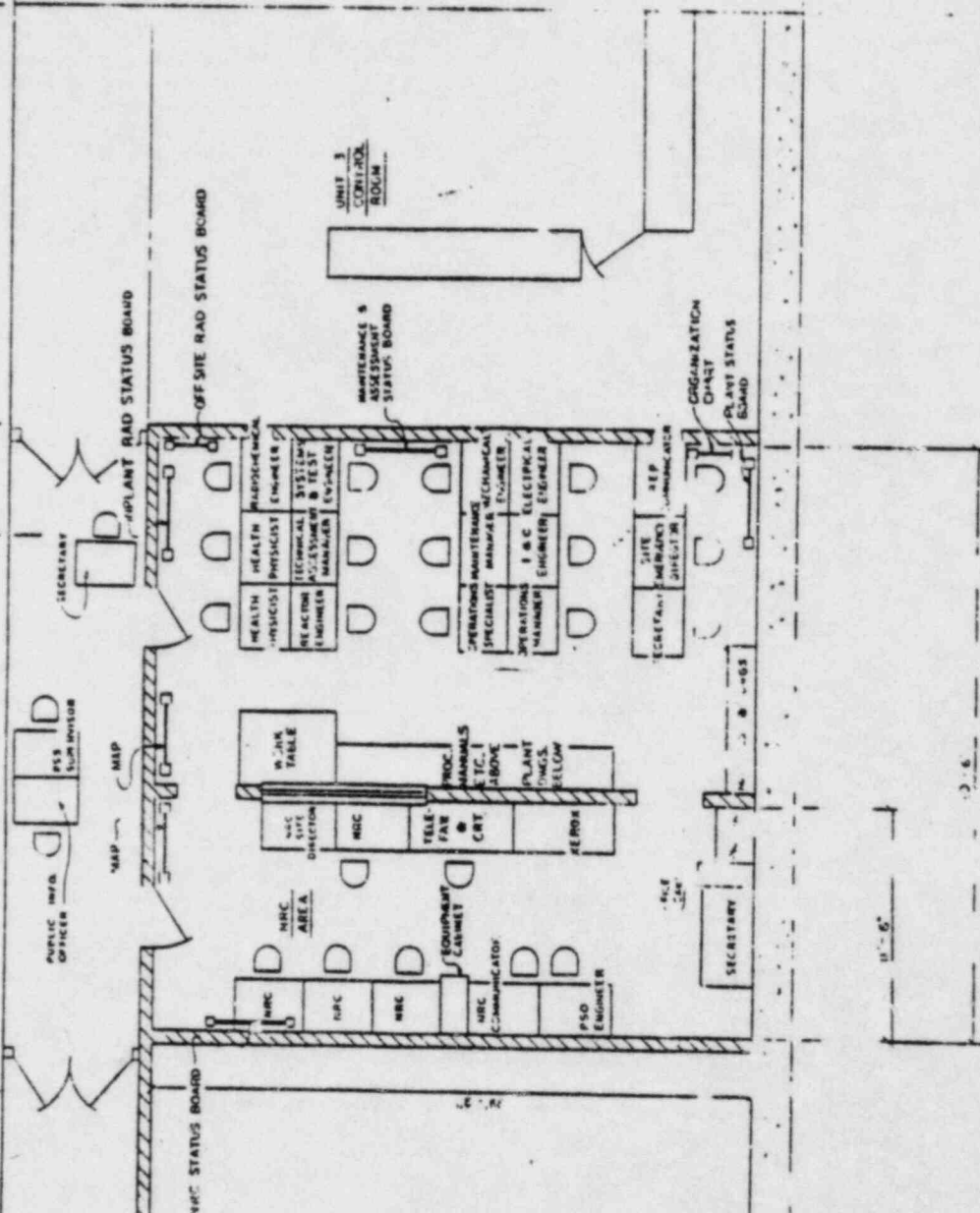
Site Emergency Director
Operations Manager
REP Communicator
NRC Communicator
Technical Assessment Manager
Maintenance Manager
Health Physicist
Health Physicist
Radiochemical Engineer
Mechanical Engineer
Electrical Engineer
I & C Engineer
Reactor Engineer
Systems & Test Engineer
Operations Specialist
Secretary
PSO Engineer
Secretary
NRC Site Director of Operations
NRC
NRC
NRC
NRC
Secretary (Hallway)
PSS Supervisor
Public Information Officer
Any

PAX

¹Rings at Secretary's desk
to any phone in TSC.

, and can be transferred via dimension

*Revision J.C.O.



J.R.P.

OPERATIONS SUPPORT CENTER (OSC)
OPERATION

1.0 PURPOSE

To provide for OSC operation after it is manned. This should begin within 30-minutes to 1 hour after plan activation. Activation is required only during an ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY.

2.0 INSTRUCTIONS

NOTE: Refer to Figure 1 of IP-20 for Radiological Emergency Organization.

- 2.1 The OSC is located in three maintenance shop offices as follows:
Mechanical - Mechanical maintenance shop office, elevation 565 service building. (Figure 1)
Electrical - Electrical maintenance shop office, elevation 565 service building. (Figure 1)
Instrumentation - Instrument maintenance shop office, elevation 580 service building. (Figure 2)
- PSO - Same as Electrical
- 2.2 Any necessary emergency supplies for the OSC can normally be found in the shop areas, but a cabinet in the Central Alarm Station can be used as necessary.
- 2.3 The Maintenance Manager located in the TSC will direct the overall OSC effort thru the respective engineers in the TSC. The maintenance unit supervisors (mech. elec, inst.) or other individual designated by the Maintenance Manager will supervise their respective areas. They will be in communication with the engineers in the TSC. These individuals will also assume responsibility for OSC personnel accountability in their area, and will log individual in/out.
- 2.4 The respective engineers will keep the OSC informed of plant conditions.
- 2.5 The primary role of the OSC is damage and repair assessment. Any inspections must be coordinated with Health Physics.
- 2.6 In events lasting longer than 12 hours, long-term operations will be undertaken as described in IP-22.
- 2.7 Should evacuation of the OSC be necessary, the office building, second floor, will act as backup.
- 2.8 See Attachment 1 for TSC Dimension and PAX phone numbers.

TECHNICAL SUPPORT CENTER - DIMENSION PHONE NUMBERS

DEC 21 1982

TITLE

PHONE

Site Emergency Director
Operations Manager
REP Communicator
NRC Communicator
Technical Assessment Manager
Maintenance Manager
Health Physicist
Health Physicist
Radiochemical Engineer
Mechanical Engineer
Electrical Engineer
I & C Engineer
Reactor Engineer
Systems & Test Engineer
Operations Specialist
Secretary
PSO Engineer
Secretary
NRC Site Director of Operations
NRC
NRC
NRC
NRC

*Revision *J.L.P.*

DEC 21 1982

Secretary (Hallway)

PSS Supervisor

Public Information Officer

Any

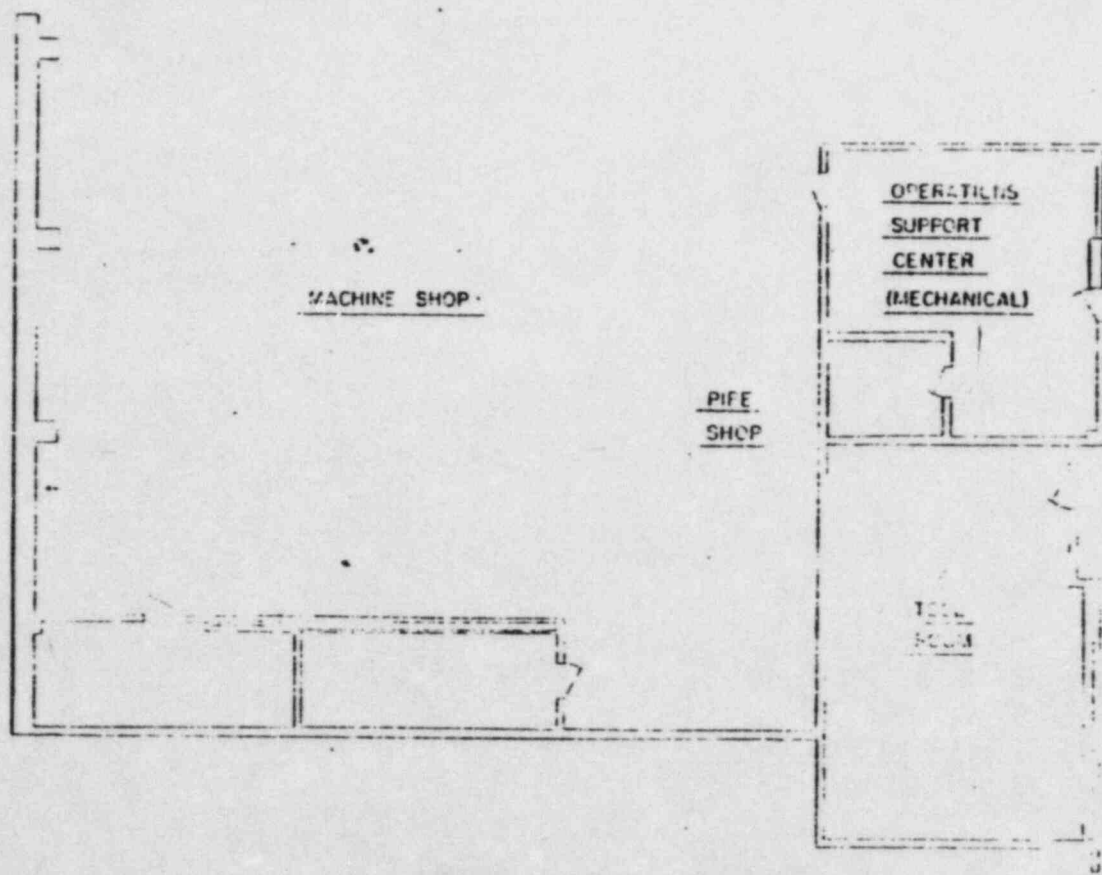
1 Rings at secretary's desk
to any phone.

and can be transferred via dimension

*Revision *J.K.P.*

*Revision P.R.O.

LOC. 100
LOC. 101
ROOM



ELEVATION 100-0

OPERATIONS
SUPPORT
CENTER
(ELECTRICAL)
(PSO)

CARPENTER
SHOP

DEC 21 1982

100-100
100-101
100-102

DEC 21 1982

LONG TERM OPERATION

1.0 PURPOSE

To provide for operation with emergency conditions categorized as ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY which exist or are projected to exist for more than 12 hours.

2.0 INSTRUCTIONS

2.1 When an emergency condition has existed or in the Site Emergency Director's judgement will exist for greater than 12 hours, he will take the steps outlined for long-term operations.

2.2 Notify DNPEC of decision to begin long-term operation.

DNPEC will make arrangements necessary for food, clothing, and other supplies requested.

* 2.3 Food is immediately available in the plant and Field Services lunchrooms. The Site Emergency Director, through the DNPEC, will arrange for delivery of meals to the plant at specified times. The plant lunchroom will serve as dining facilities for all emergency personnel.

2.4 The upper level of the office building will serve as the primary sleeping area. If radiological or other conditions do not permit this area to be used, provisions will be made through the DNPEC for near-site lodging, or for other sleeping areas onsite.

2.5 The lunchroom in the control bay at elevation 3C will serve as an assembly room for meetings, etc. The plant assembly room can also be used if additional space is needed and radiological conditions permit.

2.6 Additional personnel can be called in by the Site Emergency Director to provide coverage in the following areas:

- a. Drawing Control Center
- b. Document Control
- c. Administration
- d. Additional clerical support

2.7 The Technical Support Center will be placed on 12-hour shifts. The Site Emergency Director will establish the 12-hour shifts and provide for calling in additional personnel from IP-6 to fill key positions in the Radiological Emergency Organization.

DEC 21 1982

- * 2.8 The Maintenance Manager, through the designated engineers, will establish 12-hour shifts for the OSC personnel. The OSC personnel will, in turn, establish 12-hour shifts for their craft personnel onsite and call in additional personnel as necessary.
- 2.9 During long-term operation, all key positions shown in Figure 1 of IP-20 will be filled to the extent possible.
- 2.10 If additional personnel are needed in particular areas, they will be filled with onsite personnel or offsite personnel, dependent on the situation.

*Revision

J.R.P.

COMMUNICATIONS SYSTEMS

DEC 21 1982

1.0 PURPOSE

To provide a ready reference of onsite communication capabilities and key telephone and pager numbers on and offsite. It also specified which lines of communication are assigned to which individual or group.

2.0 INSTRUCTIONS

2.1 Communications in shift engineer's office

- a. PAX - For shift engineer use.
- b. NRC ring-down (u.) - For initial use by TVA, until NRC arrives onsite.
- c. Bell (dimension) system - For Site Emergency Director and TSC use.
- d. Repeater radio (F1, F2) - For operations or PSS use.
- e. Paging system (beeper) - For shift engineer use. See Attachment B.
- f. PAX executive right-of-way - For Site Emergency Director use.
- g. Turret extension (receiver only) - For shift engineer use.
- h. Ring-down to/from superintendent's office - For shift engineer use.

2.2 Communications in Technical Support Center

- a. PAX (lunchroom or relay room) - For TSC use.
- b. PAX (5 lines) - For TVA and NRC use.
- c. Bell (Dimension) System - For TVA & NRC use - See Attachment D for numbers.
- d. Private circuit with Chattanooga, Muscle Shoals, Knoxville - For TSC use (see IP-20 for numbers).
- e. NRC ring-down (u.) - For NRC use.
- f. PSO VHF radio - For PSO or Site Emergency Director use. (See Attachment E for operating instructions and numbers)
- g. Cordless telephone for TSC Communicator use (stored in TSC cabinet)

JUN 21 1982

Operations

QSC

Mechanical

Electrical & PSQ

Instrumentation

Field Services

Paging System

Plant Superintendent's Office

Power Stores

PSS shift supervisor

Shift engineer's office

Shift technical advisor

TSC

TVA ambulance

West Gatehouse

2.4 Key Offsite Numbers

Location

Ambulances

AAA Southend (Decatur)

Athens Limestone Hospital

Metro Shoals Emergency Hospital
Serviced (Florence)

J. R. R.

DEC 21 1982

- 2.6 Information on plant communications systems (Normal and alternate power supplies, etc.) is shown on Attachment A.
- 2.7 NRC Orange Phone (HP Network) - This phone is located in the HP plant laboratory and the NRC Resident Inspectors Office. The phone is to be used by TVA personnel only under the following circumstances:
- a. Incoming call from NRC.
 - b. Incoming call from another reactor site, if call is made at request of NRC at that site. Individual answering phone should verify that incoming call is made at NRC request.
 - c. Outgoing call to another reactor site at request of NRC at Browns Ferry.
 - d. Outgoing call to the two numbers (NRC listed on the phone. This is to be used in the event of an emergency, or as a third backup to the ENS (red phone) and Bell system during an emergency.
- 2.8 To ensure proper pager operation, a monthly functional test of personnel pagers will be conducted in accordance with BF Standard Practice 19.25 using Attachment B.
- 2.9 Refer to Attachment C for procedure to activate TSC phones.
- 2.10 Refer to Attachment D for TSC dimension phone numbers.

J. R. R.

BFNP PERSONNEL PAGER MONTHLY FUNCTIONAL TEST

DEC 21 1982

Date _____

<u>SECTION</u>	<u>PAGER NUMBER</u>	<u>HOME PHONE NUMBER</u>	<u>NAME</u>
Superintendent			G. T. Jones
EM			T. D. Cosby
EM			J. M. Jackson
HP			A. W. Sorrell
Assistant Superintendent			J. R. Pittman
MM			M. W. Haney
MM			J. B. Walker
* MM			T. L. Marshall
NR			Shift Technical Adv
Spare			Spare
OPS			Spare
OPS			R. Hunkapillar
Field Services			J. Miller
Spare			Spare
IM			R. E. Burns
Field Services			J. E. Swindell

Pager check on the following numbers was unsuccessful:

Signature _____

Remarks _____

* Revision *JRP*

Operations Section Supervisor

DEC 21 1982

TECHNICAL SUPPORT CENTER - DIMENSION PHONE NUMBERS

TITLE

PHONE

Site Emergency Director

Operations Manager

REP Communicator

NRC Communicator

Technical Assessment Manager

Maintenance Manager

Health Physicist

Health Physicist

Radiochemical Engineer

Mechanical Engineer

Electrical Engineer

I & C Engineer

Reactor Engineer

Systems & Test Engineer

Operations Specialist

Secretary

PSO Engineer

Secretary

NRC Site Director of Operations

NRC

NRC

NRC

NRC

Secretary (Hallway)

PSS Supervisor

Public Information Officer

*Revision J.P.P.

PSO VHF RADIO INSTRUCTIONS

Locate touch tone number for desired location.
 Numbers for each location are three digits.

Press first digit on radio keyboard and hold until light on radio comes on
 (Approximately 6 seconds)

When lamp lights, press second and then third digits.

PSO RADIO LOCATIONS/NUMBERS

To Call	When in Vicinity of	Call Sign	Touch Tone Number
Bellefonte NP	Widows Creek		
Browns Ferry NP	Huntsville		
Chickamauga LD	Chattanooga		
Chickamauga LD	Widows Creek		
Chattanooga AO	Chattanooga		
Chattanooga WC	Widows Creek		
Chattanooga LD	Huntsville		
Guntersville Hydro	Guntersville		
Huntsville AO	Huntsville		
Huntsville AO	Cullman		
Madison Sub.	Cullman		
Madison Sub.	Huntsville		
Muscle Shoals AO	Muscle Shoals		
Scottsboro PSC	Widows Creek		
Trinity Sub.	Trinity		
Wilson LD	Muscle Shoals		
Wilson WC	Muscle Shoals		
Wilson LD	Huntsville		
Wilson LD	Cullman		
Widows Crk Stm Plt.	Widows Creek		

Group Call

(Hold 6 seconds)

First Digit

Edney Building

*Addendum

J. L. P.