



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

September 11, 2002

10 CFR Part 50, App E

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Gentleman:

In the Matter of)	Docket Nos.	50-259
Tennessee Valley Authority)		50-260
			50-296

**BROWNS FERRY NUCLEAR PLANT (BFN) - UNITS 1, 2, and 3
EMERGENCY PLAN IMPLEMENTING PROCEDURE (EPIP) REVISIONS**

TVA is submitting this notification in accordance with the requirements of 10 CFR Part 50, Appendix E, Section V. Specifically, several EIPs were revised: (1) EPIP-2, Revision 24; (2) EPIP-3, Revision 27; (3) EPIP-4, Revision 26; (4) EPIP-5, Revision 31; and (5) EPIP-11, Revision 9. The revisions have an effective date of August 26, 2002.

The enclosed information is being sent by certified mail. The signed receipt signifies that you have received this information. If you have any questions, please telephone me at (256) 729-2636.

Sincerely,


T. E. Abney
Manager of Licensing
and Industry Affairs

cc: See Page 2

A045

U.S. Nuclear Regulatory Commission
Page 2
September 11, 2002

Enclosure

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ENCLOSURE
TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT
UNITS 1, 2, AND 3

EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIP) REVISIONS
EPIP-2, EPIP-3, EPIP-4, EPIP-5, AND EPIP-11

SEE ATTACHED

GENERAL REVISIONS

GENERIC FILING INSTRUCTIONS

FILE DOCUMENTS AS FOLLOWS:

PAGES TO BE REMOVED

EPIP-2 Revision 23
EPIP-3 Revision 26
EPIP-4 Revision 25
EPIP-5 Revision 30
EPIP-11 Revision 8A

PAGES TO BE INSERTED

EPIP-2 Revision 24
EPIP-3 Revision 27
EPIP-4 Revision 26
EPIP-5 Revision 31
EPIP-11 Revision 9

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP- 2

NOTIFICATION OF UNUSUAL EVENT

REVISION 24

PREPARED BY: T. W. CORNELIUS

PHONE: 2038

RESPONSIBLE ORGANIZATION: EMERGENCY PREPAREDNESS

APPROVED BY: GILBERT V. LITTLE

DATE: 08/22/2002

EFFECTIVE DATE: 08/26/2002

LEVEL OF USE: REFERENCE USE

QUALITY-RELATED

REVISION LOG

Procedure Number: EPIP-2

Revision Number: 24

Pages Affected: 2,3,4,7,11

Description of Change:

- IC-27 This change is being conducted to incorporate the management of NRC Commitment changes as prescribed in the correspondence from site licensing RIMS R08000217713, to remove the Public Information Officer from the notification form and to human factor the notification and follow-up notification forms.
Page 2 - change to step 3.1.1 involves human factoring the Notification Form Title.
Page 7 - changes involves removing the "NRC Commitment Brackets to step requiring the review of PORC and the human factoring of applicable steps
Page 7 - change involves human factoring attachment title
Page 8 - change involves human factoring attachment title and modifying information to ensure consistency with NRC guidance.
Page 9 - change involves removing the Public Information Officer from the Attachment B notifications along with the NRC Commitment Brackets
Page 10 - change involved adding a clarify statement concerning the appropriate use of the Follow-up Notification Form
- IC-28 EPIP-2, revision 23 is being issued to incorporate changes resulting from the letter, NEI to NRC (to Mr. Bruce A. Boger) dated December 18, 2001 requesting confirmation for EAL basis change to include response to a Site-Specific Security Credible Threat. This letter was developed in response to the NRC's October 6, 2001 Safeguards Advisory. The change to this EPIP is a consequence to the EAL change. Under specific conditions this change will activate the ERO along with assembly/accountability. The revision also incorporates standardization of telephone numbers and actions taken by the Unit 1, Unit Operator during ERO staffing.
Page 2 - provide the action to staff the ERO when a credible site security threat notification exists.
Page 3 - provide the action to assembly/account site personnel for the purpose of establishing the "Two Person (Line of Sight) Rule"
Page 4 - standardize the review of PORC for actual events.
Page 7 - add attachment D.
Page 11 - add attachment D, actions taken by the Unit 1 Unit operator to staff the ERO
- IC-29 EPIP-2, revision 24, page 3 is being conducted to add clarification to the caution note regarding on-site security conditions for assembly/accountability. Additionally page 2 and 5 was revised to update telephone information regarding the Office of Radiation Control

1.0 PURPOSE

1.1 Provide for timely notification of appropriate individuals or organizations when the Shift Manager has determined by EPIP-1 that an incident has occurred which is classified as a NOTIFICATION OF UNUSUAL EVENT.

1.2 Provide for periodic analysis of the current situation by the Shift Manger/Site Emergency Director (SED) to determine whether the NOTIFICATION OF UNUSUAL EVENT should be terminated, continued, or upgraded to a more serious classification.

2.0 SCOPE

This procedure applies to emergency events that are classified as a Notification of Unusual Event by EPIP-1, Emergency Classification Procedure.

3.0 INSTRUCTIONS

3.1 Notification of the Operations Duty Specialist (ODS)

Note: The ODS should be notified within 5 minutes after the emergency event is declared.

Date: ___/___/___

3.1.1 Complete Attachment A (Initial Notification Form)

INITIALS TIME

3.1.2 If the NOUE has been declared due to the Security Emergency Action Level (EAL) 6 7-U, "A credible site-specific security threat notification", Then direct the Unit 1, Unit Operator to implement Attachment D, "Activation of the Emergency Paging System/Staffing of Emergency Responders"

INITIALS TIME

3.1.3 Notify the ODS and Provide the information from Attachment A

INITIALS TIME

Note: Utilize the direct ring-down ODS phone when making this notification or as applicable dial direct.

ODS Telephone Numbers

5-751-1700

5-751-2495

If the ODS cannot be reached within 10 minutes, Then contact the State of Alabama directly by requesting the Office of Radiation Control at:

Day Shift 8 a.m. - 5 p.m. (Central Time)

Primary: 9-1-334-206-5391

Backup 9-1-800-582-1866

Holidays-Weekends-Offshifts

Montgomery State Trooper Post

9-1-334-242-4378

3.1.4 Fax a copy of Attachment A to the ODS for confirmation of information or state if contacted directly

INITIALS TIME

ODS Fax
5-751-8620

Office of Radiation Control
9-1-334-206-5387

3.0 INSTRUCTIONS (CONTINUED)

3.1.5 Receive confirmation call from the ODS (to verify notification of the State of Alabama) (NA this step if the State was contacted directly). INITIALS TIME

3.2 NOTIFICATION OF SITE PERSONNEL

3.2.1 Provide the Unit 1, Unit Operator with a completed copy of Attachment A. INITIALS TIME

3.2.2 Direct the Unit 1, Unit Operator to make notifications from Attachment B (Unit 1, Unit Operator Notifications), utilizing information from Attachment A. INITIALS TIME

3.2.3 Make the following plant P.A. announcement: INITIALS TIME

THIS IS (NAME), SHIFT MANAGER. A NOTIFICATION OF UNUSUAL EVENT HAS BEEN DECLARED ON UNIT . I HAVE ASSUMED THE DUTIES OF SITE EMERGENCY DIRECTOR.

3.2.4 Notify the Plant Manager or alternate. INITIALS TIME

CAUTION: Do not initiate Assembly and Accountability if.

- 1. A severe weather condition exist or projected on-site, such as a Tornado.
2. An on-site security risk condition exists that may present a danger to site personnel during the assembly/accountability process (Consult with Nuclear Security).

3.3 ACCOUNTABILITY

3.3.1 If the NOUE has been declared due to Security EAL, 6.7-U, and Nuclear Security recommends Accountability to establish the "Two Person (Line of Sight) Rule", Then implement EGIP-8, Appendix C, for Assembly and Accountability only. INITIALS TIME

3.0 INSTRUCTIONS (CONTINUED)

3.4 OFFSITE DOSE ASSESSMENT

3.4.1 Evaluate the need for offsite dose assessment
(N/A STEP IF NOT APPLICABLE)

INITIALS

TIME

3.4.1.1 When offsite dose assessment is required obtain
the information from the CECC when
operational

3.4.1.2 If the CECC is not operational, contact the TSC,
when staffed or the RADCON Shift Supervisor
and request the implementation of EPIP 14, for
dose assessment

3.5 NOTIFICATION OF THE NRC

3.5.1 **Notify** the NRC immediately or within 1 hour and if
requested by the NRC maintain an open and continuous
communications channel

INITIALS

TIME

Note: **Utilize** the Emergency Notification System (ENS) when
making this notification Dial the first number listed on
the sticker affixed to the ENS telephone, by dialing 9-1-
"The Ten Digit Number Listed on the ENS Telephones".
If the number is busy, **Then** select in order, the alternate
numbers until a connection is achieved No access codes
are required

3.0 INSTRUCTIONS (CONTINUED)

3.6 PERIODIC EVALUATION OF THE EVENT

3.6.1 Continue to Evaluate the event by using EPIP-1 as conditions warrant.

3.6.2 If other EAL conditions exist indicating the current emergency classification or significant changes in plant conditions have occurred since the last update to the ODS, and the CECC is not staffed, Then, Complete the "Follow-Up" Notification Form (Attachment C), notify the ODS and provide the new information. Utilize the direct ring-down ODS phone when making this notification or as applicable dial direct.

ODS - 5-751-1700
5-751-2495

Note If the ODS cannot be reached, Then contact the State of Alabama directly by requesting the Office of Radiation Control at:

Day Shift 8 a.m. - 5 p.m. (Central Time)

Primary: 9-1-334-206-5391

Backup: 9-1-800-582-1866

Holidays-Weekends-Offshifts

Montgomery State Trooper Post

9-1-334-242-4378

3.6.3 If the conditions warrants upgrading to a higher classifications, Then initiate the appropriate EPIP

3.6.4 If the conditions warrant termination of the classification, Then enter the Termination section of this procedure at step 3.7.

3.6.5 Re-enter this procedural section as conditions warrant at step 3.6.1 or until directed to exit this procedure by steps 3.6.3 or 3.6.4.

3.0 INSTRUCTIONS (CONTINUED)

3.7 TERMINATION OF THE EVENT

If the situation no longer exists terminate the event and notify the following:

Date: ___/___/___

3.7.1 Notify the ODS of the termination of the emergency or the state directly if the ODS cannot be contacted.

INITIALS TIME

3.7.2 Notify the NRC of the termination of the emergency

INITIALS TIME

3.7.3 Notify the Plant Manager or Alternate of the termination of the emergency

INITIALS TIME

3.7.4 Complete Attachment A by providing the time and date of termination

INITIALS TIME

3.7.4 Notify the Unit 1, Unit Operator Provide the Unit 1, Unit Operator with the termination time and date and direct the Unit 1, Unit Operator to notify the individuals contacted on Attachment B of the termination of the emergency

INITIALS TIME

3.0 INSTRUCTIONS (CONTINUED)

3.8 CLOSURE OF THE NOTIFICATION OF UNUSUAL EVENT

3.8.1 Upon termination of the Notification of Unusual Event, the Shift Manager shall send the completed EPIP-2 and all attachments to Emergency Preparedness (EP).

INITIALS

TIME

3.8.2 Upon receipt of completed EPIP-2 and all attachments, Emergency Preparedness shall forward documents for the purpose of documentation storage.

INITIALS

TIME

4.0 ATTACHMENTS

Attachment A - Initial Notification Form Notification of Unusual Event

Attachment B - Unit 1, Unit Operator Notifications

Attachment C - Follow Up Information Form Notification of Unusual Event

Attachment D - Activation of the Emergency Paging System (EPS)/Staffing of Emergency Responders

ATTACHMENT A (Page 1 of 1)
INITIAL NOTIFICATION FORM
NOTIFICATION OF UNUSUAL EVENT

THIS IS AN ACTUAL EVENT THIS IS AN EXERCISE

This is _____
NAME

A NOTIFICATION OF UNUSUAL EVENT has been declared at Browns Ferry affecting:

Unit 1 Unit 2 Unit 3 Common

Event Declared: Time _____ Date _____

EAL Designator: _____

Brief Description of the Event

Radiological Conditions:

- No Abnormal Releases Offsite
- Airborne Release Offsite
- Liquid Release Offsite
- Release Information Not Known at this time

There is no Protective Action Recommendation at this time.

Ask, "Please repeat the information you have received to ensure accuracy."

ATTACHMENT B (Page 1 of 1)
UNIT 1, UNIT OPERATOR NOTIFICATIONS

Date: ___/___/___

Note. All notifications should be made utilizing the information located on EPIP 2, Attachment A

Received a completed copy of EPIP 2, Attachment A from the Site
Emergency Director.

INITIALS

TIME

Personnel Notifications	Initial Notifications		Termination Notifications	
Notify the Operations Manager (from the weekly duty list)	Initials	Time	Initials	Time
Notify the Vice President (from the weekly duty list)	Initials	Time	Initials	Time
Notify the REP manager (from the weekly duty list)	Initials	Time	Initials	Time
Notify the Nuclear Security Shift Supervisor. Ext 3150 or 2219	Initials	Time	Initials	Time
Notify the NRC Resident Ext. 2573, or 2572 or from the weekly duty list.	Initials	Time	Initials	Time

ATTACHMENT C (Page 1 of 1)
FOLLOW-UP INFORMATION FORM
NOTIFICATION OF UNUSUAL EVENT

[] THIS IS A REAL EVENT [] THIS IS A DRILL

Note: This form is for conducting Follow-up Information only

This is _____ at Browns Ferry
Name

There has been a NOTIFICATION OF UNUSUAL EVENT declared at Browns Ferry affecting
[] Unit 1 [] Unit 2 [] Unit 3 [] Common

The Reactor is [] Shutdown [] At Power

Plant Conditions are [] Stable [] Deteriorating

"Follow-Up" Information (e.g., Key Events, Status Changes)

Current Radiological Conditions are.

- [] No Abnormal Releases Offsite
[] Airborne Release Offsite
[] Liquid Release Offsite
[] Release Information Not Known

Additional Rad information: (e.g., release duration)

[] There is no Protective Action Recommendation at this time.

Please repeat the information you have received to ensure accuracy.

The time for this follow up is Time: _____ Date: _____

SIGNATURE: _____

ATTACHMENT D (Page 1 of 2)

ACTIVATION OF THE EMERGENCY PAGING SYSTEM (EPS) / STAFFING OF EMERGENCY RESPONDERS

- NOTES:** (1) The Emergency Paging System consists of a dedicated touch screen CRT. Activation of any screen feature requires the user place their fingertip within the boundary of the select button and leave it there for at least 1 second. The CRT Screen will normally display a large rectangle that indicates that the paging system is available but currently inactive
- (2) If the EPS fails to operate, contact the SM/SED immediately. Request that the ODS be contacted to initiate the system from his location. If the system fails to operate from the ODS area, then utilize the Weekly Duty List and Call-Out List to manually staff the Emergency Responders, implementing this attachment at step 5.

- | | | | |
|----|--|----------|------|
| 1. | PRESS the EPS CRT Screen once to activate the paging options. | INITIALS | TIME |
| 2. | PRESS the appropriate option | INITIALS | TIME |
| | <ul style="list-style-type: none"> • PAGER TEST • DRILL • EMERGENCY • ABORT | | |
| 3. | PRESS the START Button to initiate the option or ABORT to deny the option request. | INITIALS | TIME |
| 4. | Monitor the Paging System Terminal Display | INITIALS | TIME |
| | <p>A. IF... A "NO" response is observed
OR
The position being paged has not responded within approximately 20 minutes</p> <p>THEN... Utilize the Weekly Duty List and attempt to contact the position representative with available information. (No Fitness for Duty Question Required)</p> | | |
| | <p>B. IF... The individual cannot be reached utilizing the Weekly Duty List</p> <p>THEN... Utilize the Call-Out List and attempt to contact an alternate position representative. (Fitness for Duty Question Required)</p> | | |

ATTACHMENT D (Page 2 of 2)
**ACTIVATION OF THE EMERGENCY PAGING SYSTEM (EPS) / STAFFING OF
EMERGENCY RESPONDERS**

- 5 Manual Call-Out (N/A step if EPS operates normally)
- | | <u>INITIALS</u> | <u>TIME</u> |
|---|-----------------|-------------|
| A. Utilize the current Weekly Duty List and contact positions as listed. | | |
| B. If a position can not be reached from the current Weekly Duty List, then refer to the Call-Out List as applicable to fill all vacant positions | | |
6. CONTINUE until all positions have been filled.
- | | <u>INITIALS</u> | <u>TIME</u> |
|--|-----------------|-------------|
| | | |

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-3

ALERT

REVISION 27

PREPARED BY: T. W. CORNELIUS

PHONE: 2038

RESPONSIBLE ORGANIZATION: EMERGENCY PREPAREDNESS

APPROVED BY: GILBERT V. LITTLE

DATE: 08/22/2002

EFFECTIVE DATE: 08/26/2002

LEVEL OF USE: REFERENCE USE

QUALITY-RELATED

REVISION LOG

Procedure Number: EPIP-3

Revision Number: 27

Pages Affected: 2, 4, 8

Description of Change:

- IC-30 This change is being conducted to incorporate the management of NRC Commitment changes as prescribed in the correspondence from site licensing RIMS R08000217713, and to human factor the notification and follow-up notification forms
Page 2 - change to step 3.2.1 involves human factoring the Notification Form Title.
Page 6 - changes involves removing the "NRC Commitment Brackets to step requiring the review of PORC and the human factoring of applicable steps.
Page 7 - change involves human factoring attachment title and modifying information to ensure consistency with NRC guidance.
Page 8 - change involves adding information regarding the support of the Unit 1 Operator in staffing the ERO
Page 9 - Updated information for the Unit Operator to use during the ERO staffing process.
Page 10 - change involved adding a clarify statement concerning the appropriate use of the Follow-up Notification Form
- IC-31 EPIP-3, revision 26 is being issued to incorporate changes regarding assembly and accountability actions. All actions to initiate the accountability and evacuation processes are now located in EPIP-8. The revision additionally standardizes telephone numbers, and PORC reviews. This revision also adds clarification for the actions taken by the Unit 1 Unit Operator during their staffing of the ERO process
Page 3 - added a statement to the caution information regarding security threat. Clarified steps 3.4.1 and 3.4.2 to implement EPIP-8 regarding actions to be taken for assembly/accountability and evacuation
Page 6 - standardize Alert procedure closure information
Page 8.9 - Clarify actions taken by the Unit 1 Unit Operator during the notification attachment
- IC-32 EPIP-3, revision 27 is being conducted to incorporate changes regarding actions to be taken when dangerous conditions exist on site that would require the assembly of the ERO at the staging area. Additionally page 3 and 5 were revised to update telephone information regarding the Office of Radiation Control
Page 2 - change instruct the SED when to direct the Unit 1 Unit Operator to assembly the ERO at the staging area
Page 4 - revision adds clarification to the caution note regarding on-site security conditions for assembly/accountability.
Page 8 - revision adds option for staging area

1.0 PURPOSE

- 1.1 Provide for timely notification of appropriate individuals or organizations when the Shift Manager/Site Emergency Director (SED) has determined by EPIP-1 that an incident has occurred which is classified as an ALERT.
- 1.2 Provide for periodic evaluation of the current situation by the Shift Manager/SED to determine whether the ALERT should be terminated, continued, or upgraded to a more serious classification.

2.0 SCOPE

This procedure applies to emergency events that are classified as Alert by EPIP-1, Emergency Classification Procedure.

3.0 INSTRUCTIONS

Date: ___/___/___

3.1 If all Emergency Centers **ARE STAFFED**, Then notify the following that an **ALERT** Emergency Classification has been issued and EPIP 3 is being implemented, and continue in this procedure at Step 3 4. If all Emergency Centers **ARE NOT STAFFED**, Then N/A this step and continue in this procedure.

CECC
TSC
OSC

Control Rooms
Plant PA Announcement

INITIALS _____
TIME

This is NAME, Site Emergency Director, an Alert has been declared at BFN, we are currently implementing EPIP-3 Standby for further updates

3.2 Notification of the Operations Duty Specialist (ODS) & Emergency Responders

Note The ODS **should** be notified within 5 minutes after the emergency event is declared.

3.2.1 **Complete** Attachment A (Initial Notification Form)

INITIALS _____
TIME

3.2.2 **Activating Emergency Response Organization (ERO)**

3.2.2.1 **If** ongoing/anticipated on-site security events **may** present a danger to the emergency responders, **Then** consult with Nuclear Security

INITIALS _____
TIME

3.2.2.2 **If** ongoing/anticipated events present a danger to emergency responders, **Then** direct the Unit 1 Unit Operator to make notifications per Attachment B and select "Staging Area" as the option for the Emergency Paging System

INITIALS _____
TIME

3.2.2.3 **If** there are no ongoing/anticipated danger to emergency responders, **Then** direct the Unit 1 Unit Operator to make notifications per Attachment B and select as applicable, "Drill" or "Emergency" as the option for the Emergency Paging System

INITIALS _____
TIME

3.0 INSTRUCTIONS (CONTINUED)

3.2.3 **Notify** the ODS and **Provide** the information from Attachment A.

INITIALS TIME

Note: Utilize the direct ring-down ODS phone when making this notification or as applicable dial direct.

ODS Telephone Numbers - 5-751-1700, or 2495

If the ODS cannot be reached within 10 minutes, **Then** contact the State of Alabama directly by requesting the Office of Radiation Control at:

<u>Day Shift 8 a m - 5 p m (Central)</u>	<u>Holidays-Weekends-Off-Shifts</u>
Primary: 9-1-334-206-5391	Montgomery State Trooper Post
Backup 9-1-800-582-1866	9-1-334-242-4378

3.2.4 **Fax** a copy of Attachment A to the ODS for confirmation of information or state if the state was contacted directly.

INITIALS TIME

ODS Fax	Office of Radiation Control Fax
5-751-8620	9-1-334-206-5387

3.2.5 **Receive** confirmation call from the ODS (to verify notification of the State of Alabama)(NA this step, if the state was contacted directly)

INITIALS TIME

3.3 **NOTIFICATION OF SITE PERSONNEL**

3.3.1 **Make** the following plant P.A. announcement:

INITIALS TIME

THIS IS (NAME), SHIFT MANAGER A ALERT HAS BEEN DECLARED ON UNIT ____ . I HAVE ASSUMED THE DUTIES OF SITE EMERGENCY DIRECTOR. REPORT TO YOUR ASSIGNED EMERGENCY RESPONSE FACILITY AT THIS TIME.

3.0 INSTRUCTIONS (CONTINUED)**CAUTION:** Do not initiate Assembly and Accountability if:

- 1 A severe weather condition exist/projected on-site, such as a Tornado
- 2 An on-site security risk condition exists that may present a danger to site personnel during the assembly/accountability process (Consult with Nuclear Security).

3.4 ACCOUNTABILITY

3.4.1 If the emergency situation warrants an Assembly, Accountability, **Then** implement EPIP-8, Appendix C, concurrently with this procedure
(N/A STEP IF NOT APPLICABLE)

INITIALSTIME

3.4.2 If the emergency situation does not warrant an Assembly, Accountability at this time, **Continue** to assess the situation, implementing EPIP-8 when necessary

3.5 OFFSITE DOSE ASSESSMENT

3.5.1 Evaluate the need for offsite dose assessment
(N/A STEP IF NOT APPLICABLE)

INITIALSTIME

3.5.1.1 When offsite dose assessment is required obtain the information from the CECC when operational

3.5.1.2 If the CECC is not operational, contact the TSC, when staffed or the RADCON Shift Supervisor and request the implementation of EPIP 14, for dose assessment.

3.0 INSTRUCTIONS (CONTINUED)

3.6 NOTIFICATION OF THE NRC

3.6.1 Notify the NRC immediately or within 1 hour and if requested by the NRC, maintain an open and continuous communications channel

INITIALS _____
TIME _____

Note: Utilize the Emergency Notification System (ENS) when making this notification. Dial the first number listed on the sticker affixed to the ENS telephone, by dialing 9-1-
"The Ten Digit Number Listed on the ENS Telephones".
If the number is busy, Then select in order, the alternate numbers until a connection is achieved. No access codes are required.

3.7 PERIODIC EVALUATION OF THE EVENT

3.7.1 Continue to Evaluate the event using EPIP-1 as conditions warrant.

3.7.2 If plant conditions warrant the need for follow up information, Complete the Follow Up Notification Form, Attachment C.

Note: Conditions that warrant this evaluation are as a minimum when other EAL conditions exist indicating the current emergency classification or significant changes in plant conditions have occurred

3.7.3 If the CECC is not staffed, Then notify the ODS and provide follow up information from the completed Attachment C form. Utilize the direct ring-down ODS phone when making this notification or as applicable dial direct.

ODS - 5-751-2495, 1700

Note: If the ODS cannot be reached, Then contact the State of Alabama directly by requesting the Office of Radiation Control at:

<u>Day Shift 8 a m - 5 p m (Central Time)</u>	<u>Holidays-Weekends-Off-shifts</u>
Primary. 9-1-334-206-5391	Montgomery State Trooper Post
Backup 9-1-800-582-1866	9-1-334-242-4378

3.7.4 If the conditions warrant upgrading to a higher classification, Then initiate the appropriate EPIP.

3.0 INSTRUCTIONS (CONTINUED)

3.7.5 **If** the conditions warrants termination of the classifications, **Then** enter EPIP-16, Termination and Recovery Procedure

3.7.6 **After** the evaluation has been completed, **if staffed**, **Notify** the following of the status

- CECC
- NRC (ENS)
- TSC
- OSC
- CONTROL ROOMS
- PLANT PA ANNOUNCEMENT

3.7.7 **Re-enter** this procedural section as conditions warrant at step 3.7.1 or until directed to exit this procedure by steps 3.7.4 or 3.7.5.

3.8 CLOSURE OF THE ALERT

3.8.1 Upon termination of the Notification of Alert, the Shift Manager shall send the completed EPIP-3 and all attachments to Emergency Preparedness (EP).

INITIALSTIME

3.8.2 Upon receipt of completed EPIP-3 and all attachments, Emergency Preparedness shall forward documents for the purpose of documentation storage

INITIALSTIME**4.0 ATTACHMENTS**

Attachment A - Initial Notification Form Alert

Attachment B - Unit 1, Unit Operator Notifications

Attachment C - Follow Up Information Form Alert

ATTACHMENT A (Page 1 of 1)
INITIAL NOTIFICATION FORM
ALERT

THIS IS A REAL EVENT

THIS IS A DRILL

This is _____
NAME

An ALERT has been declared at Browns Ferry affecting:

Unit 1

Unit 2

Unit 3

Common

Event Declared: Time: _____ Date: _____

EAL Designator: _____

Brief Description of the Event:

Radiological Conditions:

- No Abnormal Releases Offsite
- Airborne Release Offsite
- Liquid Release Offsite
- Release Information Not Known at this time

There is no Protective Action Recommendation at this time.

Ask "Please repeat the information you have received to ensure accuracy"

ATTACHMENT B (Page 1 of 2)
UNIT 1, UNIT OPERATOR NOTIFICATIONS

Date: ___/___/___

- NOTES:** (1) The Emergency Paging System (EPS) consists of a dedicated touch screen CRT. Activation of any screen feature requires the user place their fingertip within the boundary of the select button and leave it there for at least 1 second. The CRT Screen will normally display a large rectangle that indicates that the paging system is available but currently inactive.
- (2) If the EPS fails to operate, contact the SM/SED immediately. Request that the ODS be contacted to initiate the system from his location. If the system fails to operate from the ODS area, then utilize the Weekly Duty List and Call-Out List to manually staff the Emergency Responders, implementing this attachment at step E.

1. Activation of the Emergency Paging System (EPS)

- | | | | |
|----|---|-------------------|---------------|
| A | PRESS the EPS CRT Screen once to activate the paging options | _____
INITIALS | _____
TIME |
| B | PRESS the appropriate option as instructed by the SED <ul style="list-style-type: none"> • PAGER TEST • DRILL • EMERGENCY • STAGING AREA • ABORT | _____
INITIALS | _____
TIME |
| C. | PRESS the START Button to initiate the option or ABORT to deny the option request | _____
INITIALS | _____
TIME |
| D | MONITOR the Paging System Terminal Display | _____
INITIALS | _____
TIME |
1. IF . A "NO" response is observed
OR
The position being paged has not responded within approximately 20 minutes
- THEN. . Utilize the Weekly Duty List and attempt to contact the position representative with available information (No Fitness for Duty Question Required)
- 2 IF . The individual cannot be reached utilizing the Weekly Duty List
- THEN . Utilize the Call-Out List and attempt to contact an alternate position representative (Fitness for Duty Question Required)

ATTACHMENT B (Page 2 of 2)
UNIT 1, UNIT OPERATOR NOTIFICATIONS

Date: ___/___/___

E Manual Call-Out (N/A step if EPS operates normally)

1 Utilize the current Weekly Duty List and contact positions as listed

2 If a position can not be reached from the current Weekly Duty list, then refer to the Call-out List as applicable to fill all vacant positions

INITIALS

TIME

F CONTINUE until all positions have been filled

INITIALS

TIME

2. Notify the Unit Supervisors on shift.

INITIALS

TIME

3. Notify Nuclear Security Shift Supervisor and state "AN ALERT HAS BEEN DECLARED" and direct to activate EPIP-11, Security and Access Control.

INITIALS

TIME

- Plant Extension 3150 or 2219

4. Notify the Chemistry Lab Supervisor and state "AN ALERT HAS BEEN DECLARED" and direct to implement 2/3-TI-331, Post Accident Sampling Procedure and CI-900 series, Analysis Procedures

INITIALS

TIME

- Plant Extension 2367 or 2368

5. Notify the RADCON Shift Supervisor and state "AN ALERT HAS BEEN DECLARED" and direct to activate EPIP-14, Radiological Control Procedure

INITIALS

TIME

- Plant Extension 7865 or 3104

6. Notify the "On-Call" NRC Resident and state "AN ALERT HAS BEEN DECLARED," per BFN-EPIP-03

INITIALS

TIME

- Plant Extension 2572 [Secretary] or from weekly duty list

ATTACHMENT C (Page 1 of 1)
FOLLOW-UP INFORMATION FORM
ALERT

THIS IS A REAL EVENT THIS IS A DRILL

Note: This form is for conducting Follow-up Information only.

This is _____ at Browns Ferry
Name

There has been a Alert declared at Browns Ferry affecting:

Unit 1 Unit 2 Unit 3 Common

The Reactor is Shutdown At Power

Plant Conditions are Stable Deteriorating

“Follow-Up” Information (e.g , Key Events, Status Changes)

Current Radiological Conditions are:

- No Abnormal Releases Offsite
- Airborne Release Offsite
- Liquid Release Offsite
- Release Information Not Known

Additional Rad information. (e g., release duration)

There is no Protective Action Recommendation at this time

Please repeat the information you have received to ensure accuracy.

The time for this follow up is: Time: _____ Date: _____

SIGNATURE: _____

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-4

SITE AREA EMERGENCY

REVISION 26

PREPARED BY: T. W. CORNELIUS

PHONE: 2038

RESPONSIBLE ORGANIZATION: EMERGENCY PREPAREDNESS

APPROVED BY: GILBERT V. LITTLE

DATE: 08/22/2002

EFFECTIVE DATE: 08/26/2002

LEVEL OF USE: REFERENCE USE

QUALITY-RELATED

REVISION LOG

Procedure Number: EPIP-4

Revision Number: 26

Pages Affected: 2,4,8

Description of Change:

- IC-31 This change is being conducted to incorporate a manual method of evacuating on-site, non-emergency response personnel during emergency situations. In addition changes to the procedure are being conducted to incorporate the management of NRC Commitment changes as prescribed in the correspondence from site licensing RIMS R08000217713, and to human factor the notification and follow-up notification forms.
Page 2 - change to step 3.2 1 involves human factoring the Notification Form Title.
Page 3 - changes to steps 3.4.1 - 3.4 5 involves information regarding steps for the SED to take when conducting an Accountably/Assembly and Evacuation
Page 6 - changes involves removing the "NRC Commitment Brackets to step requiring the review of PORC and the human factoring of applicable steps.
Page 7 - change involves human factoring attachment title.
Page 8 - change involves human factoring attachment title and modifying information to ensure consistency with NRC guidance
Page 9 - change involves adding information for Unit 1 Operator regarding ERO staffing support.
Page 10 - updated information for the Unit Operator to use during the ERO staffing process.
Page 11 - change involved adding a clarify statement concerning the appropriate use of the Follow-up Notification Form
- IC-32 EPIP-4, revision 25 is being issued to incorporate changes regarding assembly and accountability actions. All actions to initiate the accountability and evacuation processes are now located in EPIP-8 The revision additionally standardizes telephone numbers, and PORC reviews. This revision also adds clarification for the actions taken by the Unit 1 Unit Operator during their staffing of the ERO process.
Page 3 - added a statement to the caution information regarding security threat. Clarified steps 3.4.1 and 3.4.2 to implement EPIP-8 regarding actions to be taken for assembly/accountability and evacuation
Page 6 - standardize Site Area Emergency procedure closure information
Page 8.9 - Clarify actions taken by the Unit 1 Unit Operator during the notification attachment.
- IC-33 EPIP-4, revision 26 is being conducted to incorporate changes regarding actions to be taken when dangerous conditions exist on site that would require the assembly of the ERO at the staging area. Additionally page 3 and 5 were revised to update telephone information regarding the Office of Radiation Control
Page 2 - change instruct the SED when to direct the Unit 1 Unit Operator to assembly the ERO at the staging area.
Page 4 - revision adds clarification to the caution note regarding on-site security conditions for assembly/accountability.
Page 8 - revision adds option for staging area

1.0 PURPOSE

1.1 Provide for timely notification of appropriate individuals or organizations when the Shift Manager/Site Emergency Director (SED) has determined by EPIP-1 that an incident has occurred which is classified as a SITE AREA EMERGENCY (SAE).

1.2 Provide for periodic evaluation of the current situation by the Shift Manager/SED to determine whether the SAE should be terminated, continued, or upgraded to a more serious classification.

2.0 SCOPE

This procedure applies to emergency events that are classified as Site Area Emergency by EPIP-1, Emergency Classification Procedure

3.0 INSTRUCTIONS

Date: ___/___/___

3.1 If all Emergency Centers **ARE STAFFED**, Then notify the following that a **SITE AREA EMERGENCY** Emergency Classification has been issued and EPIP 4 is being implemented, and continue in this procedure at Step 3.4. If all Emergency Centers **ARE NOT STAFFED**, Then N/A this step and continue in this procedure

CECC
TSC
OSC

Control Rooms
Plant PA Announcement

INITIALS TIME

This is NAME, Site Emergency Director, an SAE has been declared at BFN, we are currently implementing EPIP-4. Standby for further updates

3.2 Notification of the Operations Duty Specialist (ODS) & Emergency Responders

Note: The ODS **should** be notified within 5 minutes after the emergency event is declared.

3.2.1 Complete Attachment A (Initial Notification Form).

INITIALS TIME

3.2.2 Activating Emergency Response Organization (ERO)

3.2.2.1 If ongoing/anticipated on-site security events may present a danger to the emergency responders, **Then** consult with Nuclear Security.

INITIALS TIME

3.2.2.2 If ongoing/anticipated events present a danger to emergency responders, **Then** direct the Unit 1 Unit Operator to make notifications per Attachment B and select "Staging Area" as the option for the Emergency Paging System.

INITIALS TIME

3.2.2.3 If there are no ongoing/anticipated danger to emergency responders, **Then** direct the Unit 1 Unit Operator to make notifications per Attachment B and select as applicable, "Drill" or "Emergency" as the option for the Emergency Paging System.

INITIALS TIME

3.0 INSTRUCTIONS (CONTINUED)

3.2.3 Notify the ODS and Provide the information from Attachment A.

INITIALS

TIME

Note: Utilize the direct ring-down ODS phone when making this notification or as applicable dial direct

ODS Telephone Numbers
5-751-1700, 2495

If the ODS cannot be reached within 10 minutes, **Then** contact the State of Alabama directly by requesting the Rad Health Duty Officer at:

<u>Day Shift 8 a.m - 5 p.m (Central)</u>	<u>Holidays-Weekends-Off-Shifts</u>
Primary: 9-1-334-206-5391	Montgomery State Trooper Post
Backup: 9-1-800-582-1866	9-1-334-242-4378

3.2.4 Fax a copy of Attachment A to the ODS for confirmation of information or if the state is contacted directly.

INITIALS

TIME

ODS Fax	Office of Radiation Control Fax
5-751-8620	9-1-334-206-5387

3.2.5 Receive confirmation call from the ODS (to verify notification of the State of Alabama)(NA this step, if the state was contacted directly).

INITIALS

TIME

3.3 NOTIFICATION OF SITE PERSONNEL

3.3.1 Make the following plant P.A. announcement:

INITIALS

TIME

THIS IS (NAME), SHIFT MANAGER. A SITE AREA EMERGENCY HAS BEEN DECLARED ON UNIT ____ . I HAVE ASSUMED THE DUTIES OF SITE EMERGENCY DIRECTOR. REPORT TO YOUR ASSIGNED EMERGENCY RESPONSE FACILITY AT THIS TIME.

3.0 INSTRUCTIONS (CONTINUED)

CAUTION: Do not initiate Assembly and Accountability if.

- 1 A severe weather condition exist or projected on-site, such as a Tornado.
- 2 An on-site security risk condition exists that may present a danger to site personnel during the assembly/accountability process (Consult with Nuclear Security)

3.4 ACCOUNTABILITY AND EVACUATION OF NON-EMERGENCY RESPONDERS

3.4.1 **If** Assembly and Accountability has not been conducted, **Then**, implement EPIP-8, Appendix C concurrently with this procedure. **If** Accountability has been conducted, **Then** N/A this step and continue in this procedure at step 3.4.2.

INITIALS

TIME

3.4.2 **If** an order to evacuate non-emergency responders has not be issued, **Then** upon completion of Assembly and Accountability, initiate the order to evacuate non-emergency responders, through the implementation of EPIP-8, Appendix F, concurrently with this procedure. **If** the order to evacuate non-emergency responders has been conducted, **Then** continue in this procedure at step 3.5.1.

INITIALS

TIME

3.5 DOSE ASSESSMENT

3.5.1 Evaluate the need for offsite dose assessment.
(N/A STEP IF NOT APPLICABLE)

INITIALS

TIME

3.5.1.1 **When** offsite dose assessment is required, obtain the information from the CECC when operational

3.5.1.2 **If** the CECC is not operational, contact the TSC, when staffed, or the RADCON Shift Supervisor and request the implementation of EPIP 14, for dose assessment

3.0 INSTRUCTIONS (CONTINUED)

3.6 NOTIFICATION OF THE NRC

3.6.1 Notify the NRC immediately or within 1 hour, and if requested by the NRC maintain an open and continuous communications channel. INITIALS TIME

Note. Utilize the Emergency Notification System (ENS) when making this notification. Dial the first number listed on the sticker affixed to the ENS telephone, by dialing 9-1-"The Ten Digit Number Listed on the ENS Telephones". If the number is busy, Then select in order, the alternate numbers until a connection is achieved. No access codes are required.

3.7 PERIODIC EVALUATION OF THE EVENT

3.7.1 Continue to Evaluate the event using EPIP-1 as conditions warrant

3.7.2 If plant conditions warrant the need for follow up information, Complete the Follow Up Notification Form, Attachment C.

Note: Conditions that warrant this evaluation are as a minimum when other EAL conditions exist indicating the current emergency classification or significant changes in plant conditions have occurred.

3.7.3 If the CECC is not staffed, Then notify the ODS and provide follow up information from the completed Attachment C form. Utilize the direct ring-down ODS phone when making this notification or as applicable dial direct.

ODS - 5-751-2495, 1700

Note: If the ODS cannot be reached, Then contact the State of Alabama directly by requesting the Rad Health Duty Officer at:

<u>Day Shift 8 a.m - 5 p.m (Central Time)</u>	<u>Holidays-Weekends-Off-shifts</u>
Primary: 9-1-334-206-5391	Montgomery State Trooper Post
Backup: 9-1-800-582-1866	9-1-334-242-4378

3.0 INSTRUCTIONS (CONTINUED)

3.7 PERIODIC EVALUATION OF THE EVENT (CONTINUED)

3.7.4 **If** the conditions warrants upgrading to a higher classification, **Then** initiate EPIP-5, General Emergency.

3.7.5 **If** the conditions warrant termination of the classification, **Then** enter EPIP-16, Termination and Recovery Procedure.

3.7.6 **After** the evaluation has been completed, **if staffed**, **Notify** the following of the status

- CECC
- NRC (ENS)
- TSC
- OSC
- CONTROL ROOMS
- PLANT PA ANNOUNCEMENT

3.7.7 **Re-enter** this procedural section as conditions warrant at step 3.7.1 or until directed to exit this procedure by steps 3.7.4 or 3.7.5.

3.8 CLOSURE OF THE SITE AREA EMERGENCY

3.8.1 Upon termination of the Notification of Site Area Emergency, the Shift Manager shall send the completed EPIP-4 and all attachments to Emergency Preparedness (EP).

INITIALS TIME

3.8.2 Upon receipt of completed EPIP-4 and all attachments, Emergency Preparedness shall forward documents for the purpose of documentation storage

INITIALS TIME

4.0 ATTACHMENTS

Attachment A - Initial Notification Form Site Area Emergency

Attachment B - Unit 1, Unit Operator Notifications

Attachment C - Follow Up Information Form Site Area Emergency

ATTACHMENT A (Page 1 of 1)
INITIAL NOTIFICATION FORM
SITE AREA EMERGENCY

THIS IS A REAL EVENT

THIS IS A DRILL

This is _____

NAME

A SITE AREA EMERGENCY has been declared at Browns Ferry affecting

Unit 1

Unit 2

Unit 3

Common

Event Declared: Time: _____ Date: _____

EAL Designator: _____

Brief Description of the Event:

Radiological Conditions:

No Abnormal Releases Offsite

Airborne Release Offsite

Liquid Release Offsite

Release Information Not Known at this time

There is no Protective Action Recommendation at this time.

Meteorological conditions are:

Wind Speed: _____ m p.h

Wind Direction From: _____ degrees

Ask "Please repeat the information you have received to ensure accuracy."

ATTACHMENT B (Page 1 of 2)
UNIT 1, UNIT OPERATOR NOTIFICATIONS

Date: ___/___/___

- NOTES:** (1) The Emergency Paging System consists of a dedicated touch screen CRT. Activation of any screen feature requires the user place their fingertip within the boundary of the select button and leave it there for at least 1 second. The CRT Screen will normally display a large rectangle that indicates that the paging system is available but currently inactive.
- (2) If the EPS fails to operate, contact the SM/SED immediately. Request that the ODS be contacted to initiate the system from his location. If the system fails to operate from the ODS area, then utilize the Weekly Duty List and Call-Out List to manually staff the Emergency Responders, implementing this attachment at step E

1. Activation of the Emergency Paging System (EPS).

- | | | |
|---|--------------------------|----------------------|
| A. PRESS the EPS CRT Screen once to activate the paging options. | _____
INITIALS | _____
TIME |
| B. PRESS the appropriate option
• PAGER TEST
• DRILL
• EMERGENCY
• STAGING AREA
• ABORT | _____
INITIALS | _____
TIME |
| C. PRESS the START Button to initiate the option or ABORT to deny the option request. | _____
INITIALS | _____
TIME |
| D. MONITOR the Paging System Terminal Display | _____
INITIALS | _____
TIME |
1. **IF..** A "NO" response is observed
OR
The position being paged has not responded within approximately 20 minutes
- THEN..** Utilize the Weekly Duty List and attempt to contact the position representative with available information. (No Fitness for Duty Question Required)
2. **IF ..** The individual cannot be reached utilizing the Weekly Duty List
- THEN..** Utilize the Call-Out List and attempt to contact an alternate position representative. (Fitness for Duty Question Required)

ATTACHMENT B (Page 2 of 2)
UNIT 1, UNIT OPERATOR NOTIFICATIONS

Date: ___/___/___

- | | | | | | | | | | | | | | | | | | |
|---|---|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| <p>E. Manual Call-Out (N/A step if EPS operates normally)</p> <ol style="list-style-type: none"> 1. Utilize the current Weekly Duty List and contact positions as listed. 2. If a position can not be reached from the current Weekly Duty list, then refer to the Call-out List as applicable to fill all vacant positions <p>F. CONTINUE until all positions have been filled.</p> <ol style="list-style-type: none"> 2. <u>Notify</u> the Unit Supervisors on shift. 3. <u>Notify</u> Nuclear Security Shift Supervisor and state "AN SITE AREA EMERGENCY HAS BEEN DECLARED" and direct to activate EPIP-11, Security and Access Control. <ul style="list-style-type: none"> • Plant Extension 3150 or 2219 4. <u>Notify</u> the Chemistry Lab Supervisor and state "AN SITE AREA EMERGENCY HAS BEEN DECLARED" and direct to implement 2/3-TI-331, Post Accident Sampling Procedure and CI-900 series, Analysis Procedures <ul style="list-style-type: none"> • Plant Extension 2367 or 2368 5. <u>Notify</u> the RADCON Shift Supervisor and state "AN SITE AREA EMERGENCY HAS BEEN DECLARED" and direct to activate EPIP-14, Radiological Control Procedure. <ul style="list-style-type: none"> • Plant Extension 7865 or 3104 6. <u>Notify</u> the "On-Call" NRC Resident and state "AN SITE AREA EMERGENCY HAS BEEN DECLARED". <ul style="list-style-type: none"> • Plant Extension 2572 [Secretary] or from weekly duty list | <table border="0"> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">INITIALS</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">TIME</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">INITIALS</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">TIME</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">INITIALS</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">TIME</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">INITIALS</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">TIME</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">INITIALS</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">TIME</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">INITIALS</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">TIME</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">INITIALS</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">TIME</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">INITIALS</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">TIME</td> </tr> </table> | INITIALS | TIME |
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| INITIALS | TIME | | | | | | | | | | | | | | | | |

ATTACHMENT C (Page 1 of 1)
FOLLOW-UP INFORMATION FORM
SITE AREA EMERGENCY

THIS IS A REAL EVENT THIS IS A DRILL

Note: This form is for conducting Follow-up Information only.

This is _____ at Browns Ferry
Name

There has been a Site Area Emergency declared at Browns Ferry affecting:

Unit 1 Unit 2 Unit 3 Common

The Reactor is Shutdown At Power

Plant Conditions are Stable Deteriorating

“Follow-Up” Information (e g , Key Events, Status Changes)

Current Radiological Conditions are:

- No Abnormal Releases Offsite
- Airborne Release Offsite
- Liquid Release Offsite
- Release Information Not Known

Additional Rad information: (e g , release duration)

There is no Protective Action Recommendation at this time

Please repeat the information you have received to ensure accuracy.

The time for this follow up is. Time _____ Date. _____

SIGNATURE: _____

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-5

GENERAL EMERGENCY

REVISION 31

PREPARED BY: T. W. CORNELIUS

PHONE: 2038

RESPONSIBLE ORGANIZATION EMERGENCY PREPAREDNESS

APPROVED BY: GILBERT V LITTLE

DATE: 08/22/2002

EFFECTIVE DATE: 08/26/2002

LEVEL OF USE: REFERENCE USE

QUALITY-RELATED

REVISION LOG

Procedure Number: EPIP-5

Revision Number: 31

Pages Affected: 2,4,9

Description of Change:

- IC-37 This change is being conducted to incorporate a manual method of evacuating on-site, non-emergency response personnel during emergency situations. In addition changes to the procedure are being conducted to incorporate the management of NRC Commitment changes as prescribed in the correspondence from site licensing RIMS R08000217713, and to human factor the notification and follow-up notification forms.
- Page 2 - change to step 3 2.1 involves human factoring the Notification Form Title and revised telephone for Morgan County.
 - Page 3/4 - changes to steps 3.4.1 - 3.4.5 involves information regarding steps for the SED to take when conducting an Accountably/Assembly and Evacuation.
 - Page 6 - changes involves removing the "NRC Commitment Brackets to step requiring the review of PORC and the human factoring of applicable steps
 - Page 7 - change involves human factoring attachment title
 - Page 8 - change involves human factoring attachment title.
 - Page 9 - change involves adding information for Unit 1 Operator regarding ERO staffing support.
 - Page 10 - revised to update information supporting Unit 1 Operator actions regarding ERO staffing support.
 - Page 11 - revised Protective Action Recommendation Flowchart
 - Page 12 - change involved adding a clarify statement concerning the appropriate use of the Follow-up Notification Form
- IC-38 EPIP-4, revision 25 is being issued to incorporate changes regarding assembly and accountability actions. All actions to initiate the accountability and evacuation processes are now located in EPIP-8. The revision additionally standardizes telephone numbers, and PORC reviews. This revision also adds clarification for the actions taken by the Unit 1 Unit Operator during their staffing of the ERO process.
- Page 3 - added a statement to the caution information regarding security threat. Clarified steps 3 4.1 and 3.4.2 to implement EPIP-8 regarding actions to be taken for assembly/accountability and evacuation.
 - Page 6 - standardize Site Area Emergency procedure closure information.
 - Page 8.9 - Clarify actions taken by the Unit 1 Unit Operator during the notification attachment
- IC-39 EPIP-5, revision 31 is being conducted to incorporate changes regarding actions to be taken when dangerous conditions exist on site that would require the assembly of the ERO at the staging area. Additionally page 3 and 6 were revised to update telephone information regarding the Office of Radiation Control.
- Page 2 - change instruct the SED when to direct the Unit 1 Unit Operator to assembly the ERO at the staging area.
 - Page 4 - revision adds clarification to the caution note regarding on-site security conditions for assembly/accountability.
 - Page 9 - revision adds option for staging area

1.0 PURPOSE

1.1 Provide for timely notification of appropriate individuals or organizations when the Shift Manager/Site Emergency Director (SED) has determined by EPIP-1 that an incident has occurred which is classified as a GENERAL EMERGENCY (GE)

1.2 Provide for periodic evaluation of the current situation by the Shift Manager/SED to determine whether the GE should be terminated, or continued.

2.0 SCOPE

This procedure applies to emergency events that are classified as General Emergency by EPIP-1, Emergency Classification Procedure

3.0 INSTRUCTIONS

Date: ___/___/___

3.1 If all Emergency Centers **ARE STAFFED**, Then notify the following that a **GENERAL EMERGENCY** Emergency Classification has been issued and EPIP 5 is being implemented, and continue in this procedure at Step 3 4 If all Emergency Centers **ARE NOT STAFFED**, Then N/A this step and continue in this procedure.

CECC
TSC
OSC

Control Rooms
Plant PA Announcement

INITIALS _____
TIME

This is NAME, Site Emergency Director, an GE has been declared at BFN, we are currently implementing EPIP-5 Standby for further updates

3.2 Notification of the Operations Duty Specialist (ODS) & Emergency Responders

Note The ODS **should** be notified within 5 minutes after the emergency event is declared

3.2.1 **Complete** Attachment A (Initial Notification Form).

INITIALS _____
TIME

3.2.2 **Activating Emergency Response Organization (ERO)**

3.2.2.1 **If** ongoing/anticipated on-site security events **may** present a danger to the emergency responders, **Then** consult with Nuclear Security.

INITIALS _____
TIME

3.2.2.2 **If** ongoing/anticipated events present a danger to emergency responders, **Then** direct the Unit 1 Unit Operator to make notifications per Attachment B and select "Staging Area" as the option for the Emergency Paging System

INITIALS _____
TIME

3.2.2.3 **If** there are no ongoing/anticipated danger to emergency responders, **Then** direct the Unit 1 Unit Operator to make notifications per Attachment B and select as applicable, "Drill" or "Emergency" as the option for the Emergency Paging System

INITIALS _____
TIME

3.0 INSTRUCTIONS (CONTINUED)

3.2.3 Notify the ODS and Provide the information from Attachment A _____
INITIALS TIME

Note: Utilize the direct ring-down ODS phone when making this notification or as applicable dial direct.

ODS Telephone Numbers
5-751-1700, 2495

If the ODS cannot be reached within 10 minutes, Then contact the following and Provide the information from Attachment A:

- 1. Limestone County: 9-232-0111 _____
INITIALS TIME
- 2. Morgan County: 9-1-256-432-2143 _____
INITIALS TIME
- 3. Lawrence County: 9-1-256-974-7641 _____
INITIALS TIME
- 4. Lauderdale County: 9-1-256-760-9117 _____
INITIALS TIME
- 5. State of Alabama Rad Health Duty Officer: _____
INITIALS TIME

Day Shift 8 a m - 5 p m (Central) Holidays-Weekends-Off-Shifts

Primary: 9-1-334-206-5391 Montgomery State Trooper Post

Backup: 9-1-800-582-1866 9-1-334-242-4378

3.2.4 Fax a copy of Attachment A to the ODS for confirmation of information or the state if contacted directly. _____
INITIALS TIME

ODS Fax Office of Radiation Control Fax
5-751-8620 9-1-334-206-5387

3.2.5 Receive confirmation call from the ODS (to verify notification of the State of Alabama), (N/A this step if the State was contacted directly). _____
INITIALS TIME

3.0 INSTRUCTIONS (CONTINUED)

3.3 NOTIFICATION OF SITE PERSONNEL

3.3.1 Make the following plant P.A announcement:

THIS IS (*NAME*), SHIFT MANAGER. A GENERAL EMERGENCY HAS BEEN DECLARED ON UNIT ____ . I HAVE ASSUMED THE DUTIES OF SITE EMERGENCY DIRECTOR. REPORT TO YOUR ASSIGNED EMERGENCY RESPONSE FACILITY AT THIS TIME

INITIALS

TIME

CAUTION: Do not initiate Assembly and Accountability if

1. A severe weather condition exist or projected on-site, such as a Tornado
2. An on-site security risk condition exists that may present a danger to site personnel during the assembly/accountability process (Consult with Nuclear Security).

3.4 ACCOUNTABILITY AND EVACUATION OF NON-EMERGENCY RESPONDERS

3.4.1 If Assembly and Accountability has not been conducted, Then, implement EGIP-8, Appendix C concurrently with this procedure. If Accountability has been conducted, Then, continue in this procedure at step 3.4 2

INITIALS

TIME

3.4.2 If an order to evacuate non-emergency responders has not be issued, Then upon completion of Assembly and Accountability, Initiate the order to evacuate non-emergency responders, through the implementation of EGIP-8, Appendix F, concurrently with this procedure If the order to evacuate non-emergency responders has been conducted, Then continue in this procedure at step 3 5 1

INITIALS

TIME

3.0 INSTRUCTIONS (CONTINUED)

3.5 DOSE ASSESSMENT

3.5.1 Evaluate the need for offsite dose assessment.

(N/A STEP IF NOT APPLICABLE)

INITIALS

TIME

3.5.1.1 **When** offsite dose assessment is required **Obtain** the information from the CECC when operational

3.5.1.2 If the CECC is not operational, **Contact** the TSC, when staffed or the RADCON Shift Supervisor and **Request** the implementation of EPIP 14, for dose assessment.

3.6 NOTIFICATION OF THE NRC

3.6.1 **Notify** the NRC immediately or within 1 hour and if requested by the NRC maintain an open and continuous communications channel.

INITIALS

TIME

Note: **Utilize** the Emergency Notification System (ENS) when making this notification. Dial the first number listed on the sticker affixed to the ENS telephone, by dialing 9-1-
"The Ten Digit Number Listed on the ENS Telephones".
If the number is busy, **Then** select in order, the alternate numbers until a connection is achieved. No access codes are required

3.7 PROTECTIVE ACTION RECOMMENDATION

3.7.1 **If** the CECC is **not staffed**, **Then** make a Protective Action Recommendation (PAR) using Attachment C. (This PAR shall be made only by the SED.)
(N/A STEP IF NOT APPLICABLE)

INITIALS

TIME

3.0 INSTRUCTIONS (CONTINUED)

3.8 PERIODIC EVALUATION OF THE EVENT

3.8.1 Continue to Evaluate the event using EPIP-1 as conditions warrant

3.8.2 If plant conditions warrant the need for follow-up information, Complete the Follow-Up Notification Form, Attachment D.

Note: Conditions that warrant this evaluation are as a minimum when other EAL conditions exist indicating the current emergency classification or significant changes in plant conditions have occurred

3.8.3 If the CECC is not staffed, Then notify the ODS and provide follow up information from the completed Attachment D form. Utilize the direct ring-down ODS phone when making this notification or as applicable dial direct

ODS - 5-751-2495, 1700

Note: If the ODS cannot be reached, Then contact the State of Alabama directly by requesting the Rad Health Duty Officer at:

<u>Day Shift 8 a.m - 5 p.m (Central Time)</u>		<u>Holidays-Weekends-Off-shifts</u>
Primary.	9-1-334-206-5391	Montgomery State Trooper Post
Backup	9-1-800-582-1866	9-1-334-242-4378

3.8.4 If the conditions warrant termination of the classification, Then enter EPIP-16, Termination and Recovery Procedure.

3.8.5 After the evaluation has been completed, if staffed, Notify the following of the status:

- CECC
- NRC (ENS)
- TSC
- OSC
- CONTROL ROOMS
- PLANT PA ANNOUNCEMENT

3.8.6 Re-enter this procedural section as conditions warrant at step 3 8 1 or until directed to exit this procedure by steps 3 8 4.

3.0 INSTRUCTIONS (CONTINUED)

3.9 CLOSURE OF THE GENERAL EMERGENCY

- | | | |
|--|---------------------------|-----------------------|
| <p>3.9.1 Upon termination of the Notification of General Emergency, the Shift Manager shall send the completed EPIP-5 and all attachments to Emergency Preparedness (EP).</p> | <p>_____
INITIALS</p> | <p>_____
TIME</p> |
| <p>3.9.2 Upon receipt of completed EPIP-5 and all attachments, Emergency Preparedness shall forward documents for the purpose of documentation storage.</p> | <p>_____
INITIALS</p> | <p>_____
TIME</p> |

4.0 ATTACHMENTS

Attachment A - Initial Notification Form General Emergency

Attachment B - Unit 1, Unit Operator Notifications

Attachment C - Protective Action Recommendations

Attachment D - Follow Up Information Form General Emergency

ATTACHMENT A (Page 1 of 1)
INITIAL NOTIFICATION FORM
GENERAL EMERGENCY

THIS IS A REAL EVENT

THIS IS A DRILL

This is _____
NAME

There has been a **GENERAL EMERGENCY** declared at Browns Ferry affecting

Unit 1

Unit 2

Unit 3

Common

Event Declared

Time: _____

Date: _____

EAL Designator: _____

Brief Description of the Event

Radiological Conditions:

- No Abnormal Releases Offsite
- Airborne Release Offsite
- Liquid Release Offsite
- Release Information Not Known at this time

The following Protective Action Recommendation is provided

- Recommendation 1 - Evacuate 2 mile radius and 10 miles downwind and shelter remainder of 10 mile EPZ.
- Recommendation 2 - Evacuate 2 mile radius and 5 miles downwind and shelter remainder of 10 mile EPZ

Meteorological Conditions are:

Wind Speed _____ m.p h.

Wind Direction From _____ degrees

Ask, "Please repeat the information you have received to ensure accuracy."

ATTACHMENT B (Page 1 of 2)
UNIT 1, UNIT OPERATOR NOTIFICATIONS

Date: ___/___/___

- NOTES:** (1) The Emergency Paging System consists of a dedicated touch screen CRT. Activation of any screen feature requires the user place their fingertip within the boundary of the select button and leave it there for at least 1 second. The CRT Screen will normally display a large rectangle that indicates that the paging system is available but currently inactive
- (2) If the EPS fails to operate, contact the SM/SED immediately. Request that the ODS be contacted to initiate the system from his location. If the system fails to operate from the ODS area, then utilize the Weekly Duty List and Call-Out List to manually staff the Emergency Responders, implementing this attachment at step E.

1. Activation of the Emergency Paging System (EPS).

A **PRESS** the EPS CRT Screen once to activate the paging options.
INITIALS TIME

B **PRESS** the appropriate option
INITIALS TIME

- PAGER TEST
- DRILL
- EMERGENCY
- STAGING AREA
- ABORT

C **PRESS** the START Button to initiate the option or **ABORT** to deny the option request
INITIALS TIME

D **MONITOR** the Paging System Terminal Display
INITIALS TIME

1. **IF..** A "NO" response is observed
OR
The position being paged has not responded within approximately 20 minutes

THEN... Utilize the Weekly Duty List and attempt to contact the position representative with available information. (No Fitness for Duty Question Required)

- 2 **IF...** The individual cannot be reached utilizing the Weekly Duty List

THEN.. Utilize the Call-Out List and attempt to contact an alternate position representative (Fitness for Duty Question Required)

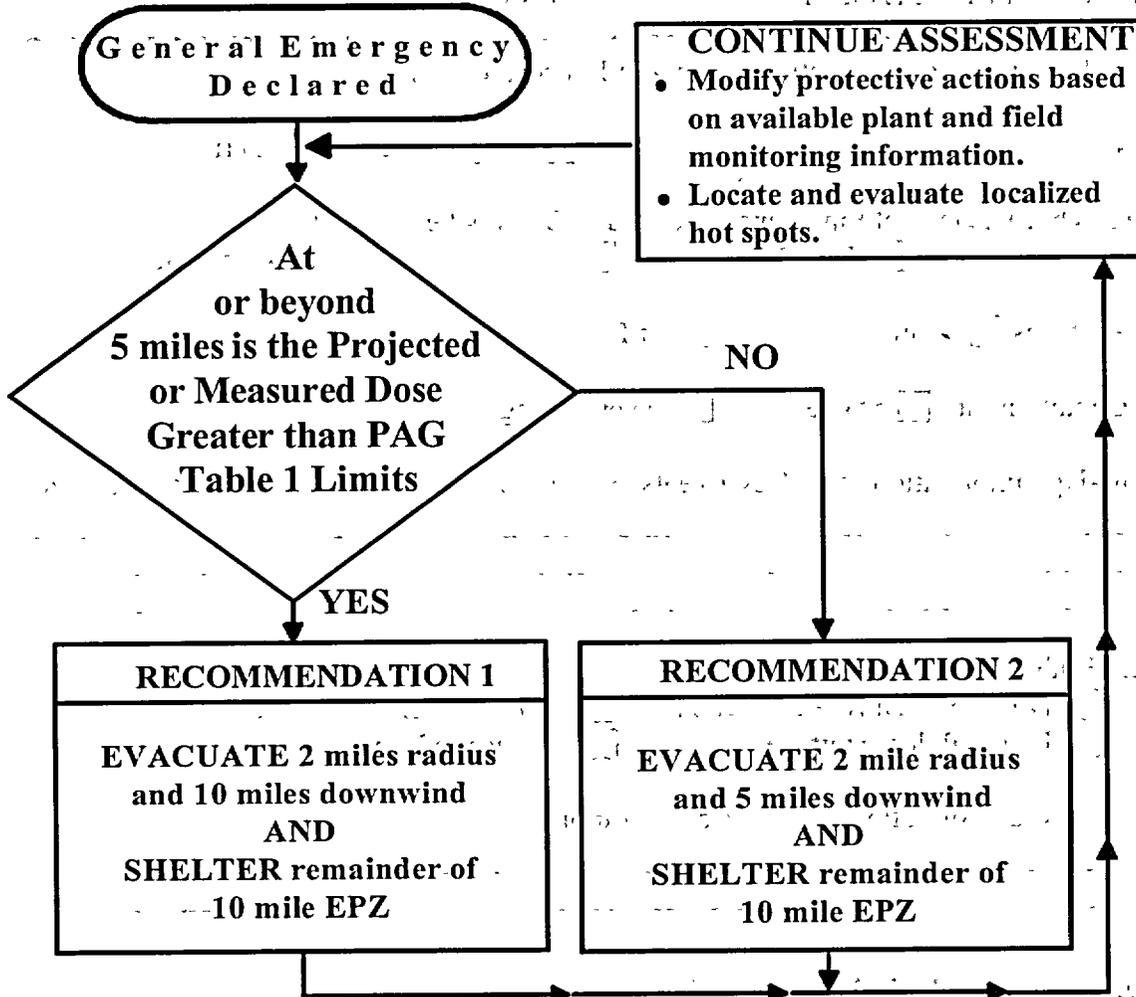
ATTACHMENT B (Page 2 of 2)
UNIT 1, UNIT OPERATOR NOTIFICATIONS

Date: ___/___/___

- | | |
|---|---|
| <p>E. Manual Call-Out (N/A step if EPS operates normally)</p> <p>1 Utilize the current Weekly Duty List and contact positions as listed.</p> <p>2 If a position can not be reached from the current Weekly Duty list, then refer to the Call-out List as applicable to fill all vacant positions</p> <p>F. CONTINUE until all positions have been filled.</p> | <p>_____</p> <p>INITIALS TIME</p> |
| <p>2. Notify the Unit Supervisors on shift</p> | <p>_____</p> <p>INITIALS TIME</p> |
| <p>3. Notify Nuclear Security Shift Supervisor and state "A GENERAL EMERGENCY HAS BEEN DECLARED" and direct to activate EPIP-11, Security and Access Control</p> <ul style="list-style-type: none"> • Plant Extension 3150 or 2219 | <p>_____</p> <p>INITIALS TIME</p> <p>_____</p> <p>INITIALS TIME</p> |
| <p>4. Notify the Chemistry Lab Supervisor and state "A GENERAL EMERGENCY HAS BEEN DECLARED" and direct to implement 2/3-TI-331, Post Accident Sampling Procedure and CI-900 series, Analysis Procedures.</p> <ul style="list-style-type: none"> • Plant Extension 2367 or 2368 | <p>_____</p> <p>INITIALS TIME</p> <p>_____</p> <p>INITIALS TIME</p> |
| <p>5. Notify the RADCON Shift Supervisor and state "A GENERAL EMERGENCY HAS BEEN DECLARED" and direct to activate EPIP-14, Radiological Control Procedure</p> <ul style="list-style-type: none"> • Plant Extension 7865 or 3104 | <p>_____</p> <p>INITIALS TIME</p> <p>_____</p> <p>INITIALS TIME</p> |
| <p>6. Notify the "On-Call" NRC Resident and state "A GENERAL EMERGENCY HAS BEEN DECLARED".</p> <ul style="list-style-type: none"> • Plant Extension 2572 [Secretary] or from weekly duty list | <p>_____</p> <p>INITIALS TIME</p> <p>_____</p> <p>INITIALS TIME</p> |

ATTACHMENT C (Page 1 of 1)
 PROTECTIVE ACTION RECOMMENDATIONS

Note 1: If conditions are unknown utilizing the flowchart, then answer NO



TYPE	LIMIT
Measured	3.9E-6 micro Ci/cc of Iodine 131 or 1 REM/hr External Dose
Projected	1 REM TEDE or 5 REM Thyroid CDE

ATTACHMENT D (Page 1 of 1)
FOLLOW-UP INFORMATION FORM
GENERAL EMERGENCY

THIS IS A REAL EVENT THIS IS A DRILL

Note: This form is for conducting Follow-up Information only

This is _____ at Browns Ferry.
Name

There has been a General Emergency declared at Browns Ferry affecting:
 Unit 1 Unit 2 Unit 3 Common

The Reactor is Shutdown At Power

Plant Conditions are Stable Deteriorating

“Follow-Up” Information (e g., Key Events, Status Changes, Status of any Plant Evacuations)

Current Radiological Conditions are:

No Abnormal Releases Offsite Airborne Release Offsite
 Liquid Release Offsite Release Information Not Known

Additional Rad information: (e g., release duration)

The current meteorological conditions from the site are.

Wind Speed _____, Wind Direction from _____

The following Protective Action Recommendation is provided:

Recommendation 1
 Recommendation 2

Please repeat the information you have received to ensure accuracy.

The time for this follow up is Time _____ Date _____

SIGNATURE: _____

LAST PAGE

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-11

SECURITY AND ACCESS CONTROL

REVISION 9

PREPARED BY: TIM CORNELIUS

PHONE: 2038

RESPONSIBLE ORGANIZATION: EMERGENCY PREPAREDNESS

APPROVED BY: GILBERT V. LITTLE

DATE: 08/22/2002

EFFECTIVE DATE: 08/26/2002

LEVEL OF USE: REFERENCE USE

QUALITY-RELATED

REVISION LOG

Procedure Number: EPIP-11

Revision Number: 9

Pages Affected: All

Pagination Pages: NONE

Description of Change:

- EC-11 This change is being conducted to human factor the Revision Log. Description of Change and added clarification to revision log effecting rev 8 EPIP 11 was revised re-format procedure and remove Security Checklist items, placing them into EPIP-6.
EPIP 11 (rev log) was changed to reflect the current revision level.
Pages 1-2, revised Shift Operations Supervisor title to Shift Manager and Shift Operations Supervisor Clerk to Unit 1 Unit Operator. Additionally incorporated checklist items from procedure to EPIP-6, Activation and Operation of the Technical Support Center. This is a general revision to EPIP-11
- IC-12 EPIP-11 is being revised update and clarify information. The procedure is be conduct primarily due to EPIP-8 revision 15. This is a general revision to EPIP-11.

SECURITY AND ACCESS CONTROL

1.0 PURPOSE

To provide access control for the Browns Ferry Site during a Radiological Emergency.

2.0 SCOPE

Provide for implementation of a predetermined security and access control plan for an NOTIFICATION OF UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY

3.0 INSTRUCTIONS

3.1 General

3.1.1 The Nuclear Security (NS) Shift Supervisor, when notified by the Shift Manager or Unit 1 Unit Operator that an emergency has been declared will report immediately to the Technical Support Center (TSC) and fill the position of Nuclear Security Manager until relieved by the on-call manager, unless the emergency involves a security event. If the emergency involves a security event the Nuclear Security Manager position will be filled through the staffing of the emergency response organization.

3.2 Access Control

3.2.1 Access control is primarily describe in EPIP-8 "Personnel Accountability and Evacuation". During the implementation of EPIP-8 or as directed by the Site Emergency Director, Nuclear Security will provide the following functions:

- Control and Restrict access to the Owner Controlled Area (OCA) and Protected Area (PA) as applicable, except for those individuals designated for emergency response, per the Emergency Access List or as authorized for emergency response by the Site Emergency Director.
- Establish OCA road blocks and on-site traffic control
- Dispatch officers as applicable to search the OCA and PA for the implementation of EPIP-8.
- Conduct periodic radio or telephone checks with Nuclear Security Shift Supervisor or his designee, by all officers assigned to a post.
- Report as applicable results of Assembly/Accountability and Evacuation to the Site Emergency Director.
- Provide instructions to personnel on-site regarding assembly locations and evacuation information

3.0 INSTRUCTIONS (CONTINUED)

3.2.2 All emergency vehicles and corresponding personnel including the RADCON monitoring van will be permitted immediate or expedited access. The Site Emergency Director or TSC Nuclear Security Manager will be made knowledgeable of any emergency vehicle entering the OCA during an emergency.

3.2.3 Following the termination of the emergency, Nuclear Security will be relieved from emergency duties by the Site Emergency Director or the Nuclear Security Shift Supervisor at which time, officers will resume their normal duties.

3.3 Accountability and Evacuation

If Accountability or Evacuation is conducted, security shall monitor the processes and report information in accordance with EPIP-8, "Personnel Accountability and Evacuation Procedure."

4.0 ATTACHMENTS
None

LAST PAGE