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November 13, 2001

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

Subject: Oconee Nuclear Station  
Docket Nos. 50-269, -270, -287  
Emergency Plan Implementing Procedures Manual  
Volume C Revision 2001-10

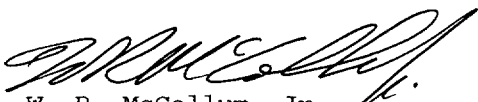
Please find attached for your use and review copies of the revision to the Oconee Nuclear Station Emergency Plan: Volume C Revision 2001-10, November 2001.

This revision is being submitted in accordance with 10 CFR 50-54(q) and does not decrease the effectiveness of the Emergency Plan or the Emergency Plan Implementing Procedures.

Any questions or concerns pertaining to this revision please call Mike Thorne, Emergency Planning Manager at 864-885-3210.

By copy of this letter, two copies of this revision are being provided to the NRC, Region II, Atlanta, Georgia.

Very truly yours,



W. R. McCollum, Jr.  
VP, Oconee Nuclear Site

xc: (w/2 copies of attachments)  
Mr. Luis Reyes,  
Regional Administrator, Region II  
U. S. Nuclear Regulatory Commission  
61 Forsyth St., SW, Suite 24T23  
Atlanta, GA 30303

w/copy of attachments  
Mr. Steven Baggett  
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(w/o Attachments, Oconee Nuclear Station)  
NRC Resident Inspector  
M. D. Thorne, Manager, Emergency Planning

November 13, 2001

OCONEE NUCLEAR SITE  
INTRASITE LETTER

SUBJECT: Emergency Plan Implementing Procedures  
Volume C, Revision 2001-10

Please make the following changes to the Emergency Plan Implementing Procedures Volume C by following the below instructions.

REMOVE

Cover Sheet - Rev. 2001-09

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RP/0/B/1000/002 - 06/03/01

RP/0/B/1000/007 - 01/16/01

RP/0/B/1000/029 - 04/30/01

ADD

Cover Sheet Rev. 2001-10

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RP/0/B/1000/002 - 11/05/01

RP/0/B/1000/007 - 11/05/01

RP/0/B/1000/029 - 11/07/01

# DUKE POWER

## EMERGENCY PLAN IMPLEMENTING PROCEDURES VOLUME C



APPROVED:



W. W. Foster, Manager  
Safety Assurance

11/13/2001

Date Approved

11/13/2001

Effective Date

VOLUME C  
REVISION 2001-10  
NOVEMBER, 2001

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Revision 2001-10  
November, 2001

# INFORMATION ONLY

## Duke Power Company PROCEDURE PROCESS RECORD

(1) ID No. RP/0/B/1000/002

Revision No. 008

### PREPARATION

(2) Station OCONEE NUCLEAR STATION

(3) Procedure Title Control Room Emergency Coordinator Procedure

(4) Prepared By Rodney Brown (Signature) Rodney Brown Date 10/25/2001

(5) Requires NSD 228 Applicability Determination?

☒ Yes (New procedure or revision with major changes)

☐ No (Revision with minor changes)

☐ No (To incorporate previously approved changes)

(6) Reviewed By Ray Waterman (QR) Date 11/1/01

Cross-Disciplinary Review By George R. Roberts (QR) NA Date 10-30-01

Reactivity Mgmt Review By Ray Waterman (QR) NA Ray Waterman Date 11/1/01

Mgmt Involvement Review By \_\_\_\_\_ (Ops Supt) NA \_\_\_\_\_ Date \_\_\_\_\_

(7) Additional Reviews

Reviewed By David A. King Date 10/29/01

Reviewed By \_\_\_\_\_ Date \_\_\_\_\_

Temporary Approval (if necessary)

By \_\_\_\_\_ (OSM/QR) Date \_\_\_\_\_

By \_\_\_\_\_ (QR) Date \_\_\_\_\_

(9) Approved By M. Q. Thorne Date 11-5-01

### PERFORMANCE (Compare with control copy every 14 calendar days while work is being performed.)

(10) Compared with Control Copy \_\_\_\_\_ Date \_\_\_\_\_

Compared with Control Copy \_\_\_\_\_ Date \_\_\_\_\_

Compared with Control Copy \_\_\_\_\_ Date \_\_\_\_\_

(11) Date(s) Performed \_\_\_\_\_

Work Order Number (WO#) \_\_\_\_\_

### COMPLETION

(12) Procedure Completion Verification:

☐ Unit 0 ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 Procedure performed on what unit?

☐ Yes ☐ NA Check lists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?

☐ Yes ☐ NA Required enclosures attached?

☐ Yes ☐ NA Data sheets attached, completed, dated, and signed?

☐ Yes ☐ NA Charts, graphs, etc. attached, dated, identified, and marked?

☐ Yes ☐ NA Procedure requirements met?

Verified By \_\_\_\_\_ Date \_\_\_\_\_

(13) Procedure Completion Approved \_\_\_\_\_ Date \_\_\_\_\_

(14) Remarks (Attach additional pages)

<b>Duke Power Company</b> <b>Oconee Nuclear Site</b>  <b>Control Room Emergency Coordinator Procedure</b>   <b>Reference Use</b>	Procedure No. <b>RP/0/B/1000/002</b>
	Revision No. 008
	Electronic Reference No. OX002WOT

## Control Room Emergency Coordinator Procedure

**NOTE:** This procedure is an implementing procedure to the Oconee Nuclear Site Emergency Plan and must be forwarded to Emergency Planning within three (3) working days of approval.

### 1. Symptoms

- 1.1 Events are in process or have occurred which require activation of the Oconee Nuclear Site Emergency Plan.

### 2. Immediate Actions

The Operations Shift Manager/Emergency Coordinator shall use this procedure until relieved by the Station Manager/Alternate in the Technical Support Center.

**NOTE:** Place Keeping Aids: ☐ at left of steps may be used for procedure place keeping. (☒)

- ☐ 2.1 **IF** General Emergency conditions are met,  
**THEN** GO TO Enclosure 4.1 (General Emergency).
- ☐ 2.2 **IF** Site Area Emergency conditions are met,  
**THEN** GO TO Enclosure 4.2 (Site Area Emergency).
- ☐ 2.3 **IF** Alert conditions are met,  
**THEN** GO TO Enclosure 4.3 (Alert).
- ☐ 2.4 **IF** Unusual Event conditions are met,  
**THEN** GO TO Enclosure 4.4 (Unusual Event).
- ☐ 2.5 **IF** An Emergency Classification does **NOT** exist and ERO Activation is desired,  
**THEN** GO TO Step 1.6 of Enclosure 4.4 (Unusual Event).

### 3. Subsequent Actions

**NOTE:** Actions are **NOT** required to be followed in any particular sequence.

- ☐ 3.1 **IF** A SBLOCA or Steam Generator Tube Leak exist,  
**THEN** Implement Step 5.4, Emergency Worker Exposure Limits, of OMP 1-18,  
(Implementation Standard During Abnormal And Emergency Events).



- ☐ 3.2    **IF**            RIA 46 is on scale,  
          **THEN**        Use Enclosure 4.3 of RP/0/B/1000/001, (Emergency Classification), to determine if the emergency classification should be upgraded to a Site Area Emergency or General Emergency based on radiation activity.
- ☐ 3.2.1    Instruct RP to perform an Offsite Dose Calculation and determine any additional Protective Action Recommendations.
- ☐ 3.3    **IF**            1, 3 RIA 57 reads  $\geq 1.0$  R/hr; 2 RIA 57 reads  $\geq 1.6$  R/hr; or 1, 2, 3 RIA 58 reads  $\geq 1.0$  R/hr.  
          **THEN**        Use Enclosure 4.1 or 4.8 of RP/0/B/1000/001, (Emergency Classification), to determine if the emergency classification should be upgraded to a Site Area Emergency or General Emergency based on radiation activity.
- ☐ 3.4    **IF**            RIA 16 or 17 are/were in Alert or High Alarm ( $\geq 2.5$  mR/hr),  
          **THEN**        Instruct RP to perform an Offsite Dose Calculation using the RIA values.
- ☐ 3.4.1    Use Enclosure 4.3 of RP/0/B/1000/001, (Emergency Classification), and the Offsite Dose Calculation results to determine if the emergency classification should be upgraded to a Site Area Emergency or General Emergency based on dose projection at the site boundary.
- ☐ 3.4.2    Determine any additional Protective Action Recommendations.
- ☐ 3.5    **IF**            A large scale fire or flood damage has occurred or is occurring,  
          **THEN**        Use RP/0/B/1000/022, (Procedure For Site Fire Damage Assessment And Repair) and /or RP/0/B/1000/29, (Fire Brigade Response) to determine additional actions that may be required.
- ☐ 3.6    **IF**            A Security Event is in progress,  
          **THEN**        Use RP/0/B/1000/007, (Security Event), to determine additional actions that may be required.
- ☐ 3.7    **IF**            A hazardous substance has been released,  
          **THEN**        Use RP/0/B/1000/017, (Spill Response), to determine additional actions that may be required.

**NOTE:** Priority should be placed on providing treatment for the most life-threatening event (i.e., medical vs radiation exposure - OSC procedure RP/0/B/1000/011, (Planned Emergency Exposure). The Emergency Coordinator may authorize (either verbal or signature) exposures greater than 25 rem TEDE (Total Effective Dose Equivalent) for lifesaving missions.

- ☐ 3.8    **IF**            A medical response is required,  
             **THEN**        Use RP/0/1000/016, (Medical Response).
- ☐ 3.8.1    Document verbal approval of Planned Emergency Exposures required for lifesaving missions in the Control Room Emergency Coordinator Log.
- ☐ 3.9    **IF**            Changing plant conditions require an emergency classification upgrade,  
             **THEN**        **GO TO** the applicable enclosure, designated in the Immediate Actions section of this procedure, required for the appropriate emergency classification.
- ☐ 3.10    Announce over the Plant Public address System the following information:
- ☐ 3.10.1    The current emergency classification level and plant status UE/Alert/SAE/GE
- ☐ 3.10.2    If appropriate, the status of contamination and how people are to handle themselves:

Plant personnel should assume they are contaminated until surveyed by RP or until they have frisked themselves.

**NO** eating, drinking, or smoking until the area is cleared by RP

Identify areas of contamination to plant personnel:

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**WARNING:** Use of the Outside Air Booster Fans during a Security Event may introduce incapacitating agents into the Control Room.

{3}

- NOTE:**
- The Outside Air Booster Fans (Control Room Ventilation System - CRVS) are used to provide positive pressure in the Control Room to prevent smoke, toxic gases, or radioactivity from entering the area as required by NuReg 0737.
  - Chlorine Monitor Alarm will either stop the Air Booster Fans or will not allow them to start.

☐ 3.11 **IF** There is an indication that smoke or toxic gases from the Turbine Building may enter the Control Room.

**THEN** Instruct Control Room personnel to turn on the Outside Air Booster Fans.

Fans On \_\_\_\_\_ Time: \_\_\_\_\_

☐ 3.12 **IF** RIA-39 is in **ALARM**,

**THEN** Follow AP/1/2/3/1700/018, (Abnormal Release Of Radioactivity).

Fans On \_\_\_\_\_ Time: \_\_\_\_\_

☐ Secure fans if back-up sample by RP shows RIA-39 is in error.

☐ Isolate source of airborne contamination to the Control Room if sample from RP shows RIA alarm is valid.

☐ Secure fans if dose levels in CR/TSC/OSC are increased by the addition of outside filtered air.

Fans Off \_\_\_\_\_ Time: \_\_\_\_\_

- NOTE:**
- 10CFR50.54(q) allows for reasonable actions that depart from a License Condition or Technical Specification to be performed in an emergency when this action is immediately needed to protect the health and safety of the public and no action consistent with the License Condition or Technical Specification that can provide adequate or equivalent protection is immediately apparent.
  - 10CFR50.54 (y) requires approval of any 10CFR50.54(x) actions by a Licensed Senior Operator
  - Implementation of Oconee Severe Accident Guidelines (OSAG) requires the use of 10CFR50.54 (x) and (y) provisions.

- ☐ 3.13 **IF** Plant conditions require a decision to implement 10CFR50.54(x),  
**THEN** Perform the following steps:
- ☐ 3.13.1 Document decision and actions taken in the affected unit's log.
- ☐ 3.13.2 Document decision and actions taken in the CR Emergency Coordinator Log.

**NOTE:** NRC **must be** notified of any 10CFR50.54(x) decisions and actions within one (1) hour.

- ☐ 3.13.3 Request CR NRC Communicator to report decision and actions taken to the NRC.

**NOTE:** 10CFR50.72 requires NRC notification for specific plant conditions.

- ☐ 3.14 **IF** Plant conditions require NRC notification under 10CFR50.72,  
**THEN** Request the CR NRC Communicator to provide this notification using the guidance in OMP 1-14, (Notifications).
- 3.15 **IF** The Emergency Response Organization was activated,  
**THEN** Provide turnover to the Technical Support Center using Enclosure 4.5 of this procedure.

Technical Support Center Activated \_\_\_\_\_ Time: \_\_\_\_\_

A. Turn over all emergency response procedures in use to the TSC.

- 3.16 **IF** An Unusual Event classification is being terminated,
- THEN** **REFER TO** Enclosure 4.6, (Emergency Classification Termination Criteria), of this procedure for termination guidance.
- ☐ 3.16.1 Verify that the Offsite Communicator has provided termination message to the offsite agencies.

**NOTE:** The EP Section shall develop a written report, for signature by the Site Vice President, to the State Emergency Preparedness Agency, Oconee County EPD, and Pickens County EPD within 24 working hours of the event termination.

- ☐ 3.16.2 Notify Emergency Planning Section (Emergency Planning Duty person after hours) that the Unusual Event has been terminated.
- ☐ 3.16.3 Emergency Planning shall hold a critique following termination of any actual Unusual Event.

#### **4. Enclosures**

- 4.1 General Emergency
- 4.2 Site Area Emergency
- 4.3 Alert
- 4.4 Unusual Event
- 4.5 Operations Shift Manager to TSC Emergency Coordinator Turnover Sheet
- 4.6 Emergency Classification Termination Criteria
- 4.7 Condition A/Condition B Response Actions
- 4.8 ERO Pager Activation By Security
- 4.9 References

**Enclosure 4.1**  
**General Emergency**

RP/0/B/1000/002  
Page 1 of 4

**1. Immediate Actions**

- NOTE:**
- State and County Agencies must be notified of event classification within **15 minutes** of Emergency Declaration.
  - Provide Offsite Communicator with declaration time.

- ☐ 1.1    **IF**            It has been determined that an Emergency Action Level for an Initiating Condition has been met,

**THEN**    Declare a **General Emergency**.

Time of Declaration: \_\_\_\_\_

- ☐ 1.2    Appoint a person to maintain the Emergency Coordinator Log **OR** maintain the log yourself.

- NOTE:**
- Remind the Control Room Offsite Communicator that Follow Up notifications (updates) are required at least every **60 Minutes** for this classification.
  - Condition A, Dam Failure (Keowee or Jocassee), **OR** Condition B also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the Control Room Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County.

- ☐ 1.3    Appoint Control Room Offsite Communicator(s).
- ☐ 1.4    Provide the following Protective Action Recommendations for use by the Offsite Communicator to complete the Emergency Notification Form.

PROTECTIVE ACTION RECOMMENDATION	PICKENS COUNTY SECTORS							OCONEE COUNTY SECTORS						
	A0	A1	B1	C1	A2	B2	C2	A0	D1	E1	F1	D2	E2	F2
EVACUATE	X	X	X	X				X	X	X	X			
SHELTER					X	X	X					X	X	X

- 1.4.1    **IF**            Condition A, Imminent or Actual Dam Failure (Keowee or Jocassee) exists,
- THEN**    **REFER TO** Enclosure 4.7, (Condition A/Condition B Response Actions), Step 1.0, for additional Protective Action Recommendations.

**Enclosure 4.1**  
**General Emergency**

RP/0/B/1000/002  
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**NOTE:** Steps 1.6 - 1.13 may be started/completed while the Emergency Notification Form is being prepared by the Offsite Communicator.

- ☐ 1.5 Review and approve completed Emergency Notification Form.

1.5.1 Sign Emergency Notification Form.

**NOTE:** Activate the Alternate TSC and OSC in the Oconee Office Building, Rooms 316 and 316A, if a fire in the Turbine Building, flooding conditions, security events, or onsite/offsite hazardous materials spill have occurred or area occurring.

- ☐ 1.6 Activate the Emergency Response Organization (ERO) by completing the following actions.

1.6.1 Activate ERO Pagers as follows:

**NOTE:** Flooding/dam failure/earthquake conditions assume bridges may be impassable to reach emergency facilities. Provide the code below for these conditions.

- ☐ A. **IF** ERO activation for an Emergency (Blue Echo) is required,  
**THEN** Press ERO Pager Activation Panel Button 1.
- ☐ B. **IF** ERO activation for an Emergency affecting bridges (Blue Echo Bridges) is required,  
**THEN** Press ERO Pager Activation Panel Button 2.
- ☐ C. **IF** ERO activation for a Drill (Blue Delta) is required,  
**THEN** Press ERO Pager Activation Panel Button 3.
- ☐ D. **IF** ERO activation for a Drill affecting bridges (Blue Delta Bridges) is required,  
**THEN** Press ERO Pager Activation Panel Button 4.
- ☐ E. **IF** Alternate TSC/OSC will be used,  
**THEN** Press ERO Pager Activation Panel Button 5.
- ☐ F. **IF** A Security Event is in progress,  
**THEN** Press ERO Pager Activation Panel Button 6.

- ☐ 1.6.2 Wait one minute and repeat step 1.6.1.

- ☐ 1.6.3 Monitor ERO Pager and verify that message has been provided to the ERO.



**Enclosure 4.1**  
**General Emergency**

RP/0/B/1000/002  
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- ☐ 1.6.4 Repeat steps 1.6.1 - 1.6.3 if message is not displayed on ERO Pager.
- A. **REFER TO** Enclosure 4.8, (ERO Pager Activation By Security), if the ERO Pager is not activated by the completion of Steps 1.6.1 - 1.6.3.
- ☐ 1.6.5 **IF** ERO activation is after normal working hours,  
**THEN** Contact Security at extension 3636 or 2309.
- Security Officer Name \_\_\_\_\_
- A. Request Security Officer to activate the CAN call list.

**WARNING:** Conducting Site Assembly during a Security Event may not be prudent.

- ☐ 1.7 Contact the Security Shift Supervisor.
- 1.7.1 Inform the Security Shift Supervisor that the ERO has been activated.
- 1.7.2 Discuss the need to conduct Site Assembly.
- ☐ 1.8 **IF** A Security Event does **NOT** exist,  
**OR** A Security Event does exist and the Security Shift Supervisor agrees,  
**THEN** Conduct Site Assembly per RP/0/B/1000/009, (Procedure For Site Assembly), Enclosure 4.1 and 4.3.
- ☐ 1.9 **IF** Area Radiation Monitors are in **ALARM**,  
**OR** Steam Line Break has occurred,  
**THEN** Contact shift RP and dispatch onsite monitoring teams.

**NOTE:**

- Remind the NRC Communicator to complete the NRC Event Notification Worksheet and Plant Status Sheet from OMP 1-14 (Notifications).
- An open line to the NRC may be required.

- ☐ 1.10 Appoint a SRO to notify the NRC immediately after notification of the Offsite Agencies but not later than **one (1) hour** after declaration of the emergency.
- 1.10.1 NRC Communicator (SRO) Name \_\_\_\_\_

**Enclosure 4.1**  
**General Emergency**

RP/0/B/1000/002  
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<b>NOTE:</b> The NRC Communicator is responsible for activating ERDS.
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- ☐ 1.10.2 Start the Emergency Response Data System (ERDS) for unit(s) involved within **one (1) hour** of the emergency classification.
  - A. **REFER TO** RP/0/B/1000/003A, (ERDS Operation).
- ☐ 1.11 Evacuate all non-essential personnel from the site after personnel accountability has been reached.
  - 1.11.1 **REFER TO** RP/0/B/1000/010, (Procedure For Emergency Evacuation/Relocation Of Site Personnel).
- ☐ 1.12 **IF** Condition A, Imminent or Actual Dam Failure (Keowee or Jocassee),  
**OR** Condition B (Keowee) exists,  
**THEN** **REFER TO** Enclosure 4.7, (Condition A/Condition B Response Actions), Step 2.0 or 3.0, for additional response actions.
- ☐ 1.13 Notify the Unit Operations Coordinator/Duty person of emergency status.
- ☐ 1.14 Return to Step 3.0, (Subsequent Actions), of this procedure.

**Enclosure 4.2**  
**Site Area Emergency**

RP/0/B/1000/002  
Page 1 of 4

## 1. Immediate Actions

- NOTE:**
- State and County Agencies must be notified of event classification within **15 minutes** of Emergency Declaration.
  - Provide Offsite Communicator with declaration time.

☐ 1.1    **IF**            It has been determined that an Emergency Action Level for an Initiating Condition has been met,

**THEN**    Declare a **Site Area Emergency**.

Time of Declaration: \_\_\_\_\_

☐ 1.2    Appoint a person to maintain the Emergency Coordinator Log **OR** maintain the log yourself.

- NOTE:**
- Remind the Control Room Offsite Communicator that Follow Up notifications (updates) are required at least every **60 Minutes** for this classification.
  - Condition A, Dam Failure (Keowee or Jocassee), **OR** Condition B also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the Control Room Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County.

☐ 1.3    Appoint Control Room Offsite Communicator(s).

☐ 1.4    Provide the Protective Action Recommendations from Enclosure 4.7, (Condition A/ Condition B Response Actions), Step 1.0, for use by the Offsite Communicator if a Condition A, Imminent or Actual Dam Failure, exists.

**NOTE:**    Steps 1.6 - 1.12 may be started/completed while the Emergency Notification Form is being prepared by the Offsite Communicator.

☐ 1.5    Review and approve completed Emergency Notification Form.

1.5.1    Sign Emergency Notification Form.

**Enclosure 4.2**  
**Site Area Emergency**

RP/0/B/1000/002  
Page 2 of 4

**NOTE:** Activate the Alternate TSC and OSC in the Oconee Office Building, Rooms 316 and 316A, if a fire in the Turbine Building, flooding conditions, security events, or onsite/offsite hazardous materials spill have occurred or area occurring.

- ☐ 1.6 Activate the Emergency Response Organization (ERO) by completing the following actions.

1.6.1 Activate ERO Pagers as follows:

**NOTE:** Flooding/dam failure/earthquake conditions assume bridges may be impassable to reach emergency facilities. Provide the code below for these conditions.

- ☐ A. **IF** ERO activation for an Emergency (Blue Echo) is required,  
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  - ☐ C. **IF** ERO activation for a Drill (Blue Delta) is required,  
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  - ☐ D. **IF** ERO activation for a Drill affecting bridges (Blue Delta Bridges) is required,  
**THEN** Press ERO Pager Activation Panel Button 4.
  - ☐ E. **IF** Alternate TSC/OSC will be used,  
**THEN** Press ERO Pager Activation Panel Button 5.
  - ☐ F. **IF** A Security Event is in progress,  
**THEN** Press ERO Pager Activation Panel Button 6.
- ☐ 1.6.2 Wait one minute and repeat step 1.6.1.
- ☐ 1.6.3 Monitor ERO Pager and verify that message has been provided to the ERO.
- ☐ 1.6.4 Repeat steps 1.6.1 - 1.6.3 if message is not displayed on ERO Pager.
- A. **REFER TO** Enclosure 4.8, (ERO Pager Activation By Security), if the ERO Pager is not activated by the completion of Steps 1.6.1 - 1.6.3.

**Enclosure 4.2**  
**Site Area Emergency**

RP/0/B/1000/002  
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- ☐ 1.6.5    **IF**        ERO activation is after normal working hours,  
                 **THEN**    Contact Security at extension 3636 or 2309.

Security Officer Name \_\_\_\_\_

A. Request Security Officer to activate the CAN call list.

**WARNING:** Conducting Site Assembly during a Security Event may not be prudent.

- ☐ 1.7    Contact the Security Shift Supervisor.
- 1.7.1    Inform the Security Shift Supervisor that the ERO has been activated.
- 1.7.2    Discuss the need to conduct Site Assembly.
- ☐ 1.8    **IF**        A Security Event does **NOT** exist,  
                 **OR**        A Security Event does exist and the Security Shift Supervisor agrees,  
                 **THEN**    Conduct Site Assembly per RP/0/B/1000/009, (Procedure For Site Assembly),  
                 Enclosure 4.1 and 4.3.
- ☐ 1.9    **IF**        Area Radiation Monitors are in **ALARM**,  
                 **OR**        Steam Line Break has occurred,  
                 **THEN**    Contact shift RP and dispatch onsite monitoring teams.

**NOTE:**

- Remind the NRC Communicator to complete the NRC Event Notification Worksheet and Plant Status Sheet from OMP 1-14 (Notifications).
- An open line to the NRC may be required.

- ☐ 1.10    Appoint an SRO to notify the NRC immediately after notification of the Offsite Agencies but not later than **one (1) hour** after declaration of the emergency.
- 1.10.1    NRC Communicator (SRO) Name \_\_\_\_\_

**Enclosure 4.2**  
**Site Area Emergency**

RP/0/B/1000/002  
Page 4 of 4

<b>NOTE:</b> The NRC Communicator is responsible for activating ERDS.
---

- ☐ 1.10.2 Start the Emergency Response Data System (ERDS) for unit(s) involved within **one (1) hour** of the emergency classification.
  - A. **REFER TO** RP/0/B/1000/003A, (ERDS Operation).
  
- ☐ 1.11 **IF** Condition A, Imminent or Actual Dam Failure (Keowee or Jocassee),  
**OR** Condition B (Keowee) exists,  
**THEN** **REFER TO** Enclosure 4.7, (Condition A/Condition B Response Actions),  
Step 2.0 or 3.0, for additional response actions.
  
- ☐ 1.12 Notify the Unit Operations Coordinator/Duty person of emergency status.
  
- ☐ 1.13 Return to Step 3.0, (Subsequent Actions), of this procedure.

**1. Immediate Actions**

- NOTE:**
- State and County Agencies must be notified of event classification within **15 minutes** of Emergency Declaration.
  - Provide Offsite Communicator with declaration time.

- ☐ 1.1    **IF**        It has been determined that an Emergency Action Level for an Initiating Condition has been met,

**THEN**    Declare an **Alert**.

Time of Declaration: \_\_\_\_\_

- ☐ 1.2    Appoint a person to maintain the Emergency Coordinator Log **OR** maintain the log yourself.

- NOTE:**
- Remind the Control Room Offsite Communicator that Follow Up notifications (updates) are required at least every **60 minutes** for this classification.
  - Condition B for Keowee Hydro Project Dams/Dikes also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the Control Room Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County.

- ☐ 1.3    Appoint Control Room Offsite Communicator(s).

**NOTE:**    Steps 1.5 - 1.11 may be started/completed while the Emergency Notification Form is being prepared by the Offsite Communicator.

- ☐ 1.4    Review and approve completed Emergency Notification Form.

1.4.1    Sign Emergency Notification Form.

**NOTE:** Activate the Alternate TSC and OSC in the Oconee Office Building, Rooms 316 and 316A, if a fire in the Turbine Building, flooding conditions, security events, or onsite/offsite hazardous materials spill have occurred or area occurring.

- ☐ 1.5 Activate the Emergency Response Organization (ERO) by completing the following actions.

1.5.1 Activate ERO Pagers as follows:

**NOTE:** Flooding/dam failure/earthquake conditions assume bridges may be impassable to reach emergency facilities. Provide the code below for these conditions.

- ☐ A. **IF** ERO activation for an Emergency (Blue Echo) is required,  
**THEN** Press ERO Pager Activation Panel Button 1.
  - ☐ B. **IF** ERO activation for an Emergency affecting bridges (Blue Echo Bridges) is required,  
**THEN** Press ERO Pager Activation Panel Button 2.
  - ☐ C. **IF** ERO activation for a Drill (Blue Delta) is required,  
**THEN** Press ERO Pager Activation Panel Button 3.
  - ☐ D. **IF** ERO activation for a Drill affecting bridges (Blue Delta Bridges) is required,  
**THEN** Press ERO Pager Activation Panel Button 4.
  - ☐ E. **IF** Alternate TSC/OSC will be used,  
**THEN** Press ERO Pager Activation Panel Button 5.
  - ☐ F. **IF** A Security Event is in progress,  
**THEN** Press ERO Pager Activation Panel Button 6.
- ☐ 1.5.2 Wait one minute and repeat step 1.5.1.
- ☐ 1.5.3 Monitor ERO Pager and verify that message has been provided to the ERO.
- ☐ 1.5.4 Repeat steps 1.5.1 - 1.5.3 if message is not displayed on ERO Pager.
- A. **REFER TO** Enclosure 4.8, (ERO Pager Activation By Security), if the ERO Pager is not activated by the completion of Steps 1.5.1 - 1.5.3.



## Alert

- ☐ 1.5.5    **IF**        ERO activation is after normal working hours,  
                 **THEN**    Contact Security at extension 3636 or 2309.

Security Officer Name \_\_\_\_\_

A. Request Security Officer to activate the CAN call list.

**WARNING:** Conducting Site Assembly during a Security Event may not be prudent.

- ☐ 1.6    Contact the Security Shift Supervisor.
- 1.6.1    Inform the Security Shift Supervisor that the ERO has been activated.
- 1.6.2    Discuss the need to conduct Site Assembly.
- ☐ 1.7    **IF**        A Security Event does **NOT** exist,  
                 **OR**        A Security Event does exist and the Security Shift Supervisor agrees,  
                 **THEN**    Conduct Site Assembly per RP/0/B/1000/009, (Procedure For Site Assembly),  
                         Enclosure 4.1 and 4.3.
- ☐ 1.8    **IF**        Area Radiation Monitors are in **ALARM**,  
                 **OR**        Steam Line Break has occurred,  
                 **THEN**    Contact shift RP and dispatch onsite monitoring teams

**NOTE:**

- Remind the NRC Communicator to complete the NRC Event Notification Worksheet and Plant Status Sheet from OMP 1-14 (Notifications).
- An open line to the NRC may be required.

- ☐ 1.9    Appoint an SRO to notify the NRC immediately after notification of the Offsite Agencies but not later than **one (1) hour** after declaration of the emergency.
- 1.9.1    NRC Communicator (SRO) Name \_\_\_\_\_

**NOTE:** The NRC Communicator is responsible for activating ERDS.

- ☐ 1.9.2 Start the Emergency Response Data System (ERDS) for unit(s) involved within **one (1) hour** of the emergency classification.
  - A. **REFER TO** RP/0/B/1000/003A, (ERDS Operation).
- ☐ 1.10 **IF** Condition B at Keowee exists,  
**THEN** **REFER TO** Enclosure 4.7, (Condition A/Condition B Response Actions), Step 3.0, for additional response actions.
- ☐ 1.11 Notify the Unit Operations Coordinator/Duty person of emergency status.
- ☐ 1.12 Return to Step 3.0, (Subsequent Actions), of this procedure.

## 1. Immediate Actions

- NOTE:**
- State and County Agencies must be notified of event classification within **15 minutes** of Emergency Declaration.
  - Provide Offsite Communicator with declaration time.

- ☐ 1.1    **IF**            It has been determined that an Emergency Action Level for an Initiating Condition has been met,

**THEN**    Declare an **Unusual Event**.

Time of Declaration: \_\_\_\_\_

- ☐ 1.2    Appoint a person to maintain the Emergency Coordinator Log **OR** maintain the log yourself.

- NOTE:**
- Remind the Control Room Offsite Communicator that an Initial Message and a Termination Message are required for this classification. No Follow Up Notifications (updates) are required unless requested by the Offsite Agencies.
  - Condition B for Keowee Hydro Project Dams/Dikes also requires notification of the Georgia Emergency Management Agency and National Weather Service. Remind the Control Room Offsite Communicator to notify these agencies in addition to and after SC State, Oconee County, and Pickens County.

- ☐ 1.3    Appoint Control Room Offsite Communicator(s).

**NOTE:**    Steps 1.5 - 1.11 may be started/completed while the Emergency Notification Form is being prepared by the Offsite Communicator.

- ☐ 1.4    Review and approve completed Emergency Notification Form.

1.4.1    Sign Emergency Notification Form.

- ☐ 1.5    **IF**            Condition B at Keowee exists,  
**THEN**    **REFER TO** Enclosure 4.7, (Condition A/Condition B Response Actions),  
Step 3.0, for additional response actions.

- NOTE:**
- Activation of the ERO is **NOT** required for an Unusual Event Classification.
  - Activate the Alternate TSC and OSC in the Oconee Office Building, Rooms 316 and 316A, if a fire in the Turbine Building, flooding conditions, security events, or onsite/offsite hazardous materials spills have occurred or are occurring.

- ☐ 1.6    **IF**        Emergency Response Organization (ERO) activation is desired,  
          **THEN**      Complete the following actions.

1.6.1      Activate ERO Pagers as follows:

- NOTE:**    Flooding/dam failure/earthquake conditions assume bridges may be impassable to reach emergency facilities. Provide the code below for these conditions.

- ☐ A.    **IF**        ERO activation for an Emergency (Blue Echo) is required,  
          **THEN**      Press ERO Pager Activation Panel Button 1.
- ☐ B.    **IF**        ERO activation for an Emergency affecting bridges  
                    (Blue Echo Bridges) is required,  
          **THEN**      Press ERO Pager Activation Panel Button 2.
- ☐ C.    **IF**        ERO activation for a Drill (Blue Delta) is required,  
          **THEN**      Press ERO Pager Activation Panel Button 3.
- ☐ D.    **IF**        ERO activation for a Drill affecting bridges (Blue Delta Bridges)  
                    is required,  
          **THEN**      Press ERO Pager Activation Panel Button 4.
- ☐ E.    **IF**        Alternate TSC/OSC will be used,  
          **THEN**      Press ERO Pager Activation Panel Button 5.
- ☐ F.    **IF**        A Security Event is in progress,  
          **THEN**      Press ERO Pager Activation Panel Button 6.
- ☐ 1.6.2      Wait one minute and repeat step 1.6.1.
- ☐ 1.6.3      Monitor ERO Pager and verify that message has been provided to the ERO.

- ☐ 1.6.4 Repeat steps 1.6.1 - 1.6.3 if message is not displayed on ERO Pager.
- A. **REFER TO** Enclosure 4.8, (ERO Pager Activation By Security), if the ERO Pager is not activated by the completion of Steps 1.6.1 - 1.6.3.
- ☐ 1.6.5 **IF** ERO activation is after normal working hours,  
**THEN** Contact Security at extension 3636 or 2309.

Security Officer Name \_\_\_\_\_

- A. Request Security Officer to activate the CAN call list.

**WARNING:** Conducting Site Assembly during a Security Event may not be prudent.

- ☐ 1.7 Contact the Security Shift Supervisor.
- 1.7.1 Inform the Security Shift Supervisor that the ERO has been activated.
- 1.7.2 Discuss the need to conduct Site Assembly.

**NOTE:** Consider conducting a Site Assembly if a Hazardous Materials spill affecting personnel safety is involved; or, if personnel safety is a concern.

- ☐ 1.8 **IF** The Emergency Response Organization is needed to assist with the Unusual Event emergency activities,  
**AND** A Security Event does **NOT** exist,  
**OR** A Security Event does exist and the Security Shift Supervisor agrees,  
**THEN** Conduct Site Assembly per RP/0/B/1000/009, (Procedure For Site Assembly), Enclosure 4.1 and 4.3.
- ☐ 1.8.1 Document the decision to conduct Site Assembly in the Control Room Emergency Coordinator Log.
- ☐ 1.9 **IF** Area Radiation Monitors are in **ALARM**,  
**OR** Steam Line Break has occurred,  
**THEN** Contact shift RP and dispatch onsite monitoring teams.

- NOTE:**
- Remind the NRC Communicator to complete the NRC Event Notification Worksheet and Plant Status Sheet from OMP 1-14 (Notifications).
  - An open line to the NRC may be required.

- ☐ 1.10 Appoint an SRO to notify the NRC immediately after notification of the Offsite Agencies but not later than **one (1) hour** after declaration of the emergency.

1.10.1 NRC Communicator (SRO) Name\_\_\_\_\_

- ☐ 1.11 Notify the Unit Operations Coordinator/Duty person of emergency status.

- ☐ 1.12 Return to Step 3.0, (Subsequent Actions), of this procedure.

**Operations Shift Manager To TSC Emergency  
Coordinator Turnover Sheet**

EMERGENCY CLASSIFICATION \_\_\_\_\_ TIME DECLARED \_\_\_\_\_  
DESCRIPTION OF EVENT \_\_\_\_\_  
\_\_\_\_\_

Unit One Status:

Reactor Power \_\_\_\_\_ RCS Pressure \_\_\_\_\_ RCS Temperature \_\_\_\_\_  
Auxiliaries Being Supplied Power From \_\_\_\_\_ ES Channels Actuated \_\_\_\_\_

MAJOR EQUIPMENT OUT OF SERVICE \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

JOBS IN PROGRESS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Unit Two Status:

Reactor Power \_\_\_\_\_ RCS Pressure \_\_\_\_\_ RCS Temperature \_\_\_\_\_  
Auxiliaries Being Supplied Power From \_\_\_\_\_ ES Channels Actuated \_\_\_\_\_

MAJOR EQUIPMENT OUT OF SERVICE \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

JOBS IN PROGRESS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Unit Three Status:

Reactor Power \_\_\_\_\_ RCS Pressure \_\_\_\_\_ RCS Temperature \_\_\_\_\_  
Auxiliaries Being Supplied Power From \_\_\_\_\_ ES Channels Actuated \_\_\_\_\_

MAJOR EQUIPMENT OUT OF SERVICE \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

JOBS IN PROGRESS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Operations Shift Manager To TSC Emergency  
Coordinator Turnover Sheet**

Classification Procedure in Use:

RP/0/B/1000/002 (Control Room Emergency Coordinator Procedure)

Is RP/0/B/1000/03A, (ERDS Operation) in use? Yes \_\_\_\_ No \_\_\_\_ If Yes, Unit No. \_\_\_\_  
Step No. \_\_\_\_

Is RP/0/B/1000/007, (Security) in use? Yes \_\_\_\_ No \_\_\_\_ If Yes, Step No. \_\_\_\_

Is RP/0/B/1000/016, (Medical) in use? Yes \_\_\_\_ No \_\_\_\_ If Yes, Step No. \_\_\_\_

Is RP/0/B/1000/017, (Spill Response) in use? Yes \_\_\_\_ No \_\_\_\_ If Yes, Step No. \_\_\_\_

Is RP/0/B/1000/022, (Fire/Flood) in use? Yes \_\_\_\_ No \_\_\_\_ If Yes, Step No. \_\_\_\_

Is RP/0/B/1000/029, (Fire Brigade) in use? Yes \_\_\_\_ No \_\_\_\_ If Yes, Step No. \_\_\_\_

Is Step 5.4 of OMP 1-18 (Implementation Standard During  
Abnormal And Emergency Events) in use? \* Yes \_\_\_\_ No \_\_\_\_

\* If yes, implementation of emergency worker exposure limits must be announced over Public  
Address System. {1}

**IF** Condition A, Dam Failure, has been declared for Keowee Hydro Project,

**THEN** Provide the following information to the TSC Emergency Coordinator:

- ◆ Status of Offsite Agency Notifications \_\_\_\_\_
- ◆ Recommendations made to offsite agencies \_\_\_\_\_
- ◆ Status of relocation of site personnel \_\_\_\_\_

What is the status of Site Assembly? (This question is only applicable for those times that the  
Emergency Response Organization is activated after hours, holidays, or weekends.)

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Next message due to Offsite Agencies at Time: \_\_\_\_\_

Operations Shift Manager/CR \_\_\_\_\_ Time: \_\_\_\_\_

Emergency Coordinator/TSC \_\_\_\_\_ Time: \_\_\_\_\_



**Enclosure 4.6**  
**Emergency Classification Termination**  
**Criteria**

RP/0/B/1000/002

Page 1 of 1

**IF**        The following guidelines **applicable to the present emergency condition** have been met or addressed,

**THEN**     An emergency condition may be considered resolved when:

- \_\_\_\_\_ 1. Existing conditions no longer meet the existing emergency classification criteria and it appears unlikely that conditions will deteriorate further.
- \_\_\_\_\_ 2. Radiation levels in affected in-plant areas are stable or decreasing to below acceptable levels.
- \_\_\_\_\_ 3. Releases of radioactive material to the environment greater than Technical Specifications are under control or have ceased.
- \_\_\_\_\_ 4. The potential for an uncontrolled release of radioactive material is at an acceptably low level.
- \_\_\_\_\_ 5. Containment pressure is within Technical Specification requirements.
- \_\_\_\_\_ 6. Long-term core cooling is available.
- \_\_\_\_\_ 7. The shutdown margin for the core has been verified.
- \_\_\_\_\_ 8. A fire, flood, earthquake, or similar emergency condition is controlled or has ceased.
- \_\_\_\_\_ 9. Offsite power is available per Technical Specification requirements.
- \_\_\_\_\_ 10. All emergency action level notifications have been completed.
- \_\_\_\_\_ 11. Hydro Central has been notified of termination of Condition B for Keowee Hydro Project. {2}
- ♦     **REFER TO** Section 6 of the Emergency Telephone Directory, (Keowee Hydro Project Dam/Dike Notification).
- \_\_\_\_\_ 12. The Regulatory Compliance Section has evaluated plant status with respect to Technical Specifications and recommends Emergency classification termination.
- \_\_\_\_\_ 13. Emergency terminated. Request the Control Room Offsite Communicator to complete an Emergency Notification Form for a Termination Message using guidance in RP/0/1000/015A, (Offsite Communications From The Control Room), and provide information to offsite agencies.  
          ♦     Return to Step 3.16.1.

Date/Time    Initial

**1. Condition A Response - Immediate Actions**

- ☐ 1.1 **IF** Condition A, Imminent or Actual Dam Failure (Keowee or Jocassee) exists,  
**THEN** Perform the following actions:
- ☐ 1.1.1 Provide the following **protective action recommendations** to Oconee County and Pickens County for imminent/actual dam failure.
- A. Provide the following recommendation for Emergency Notification Form Section 15 (B) Evacuate:
1. Move residents living downstream of the Keowee Hydro Project dams to higher ground.
- B. Provide the following recommendation for Emergency Notification Form Section 15 (D) Other:
1. Prohibit traffic flow across bridges identified on your inundation maps until the danger has passed.
- ☐ 1.2 Return to applicable Enclosure (4.1 or 4.2).
- ☐ 1.2.1 **IF** A General Emergency has been declared,  
**THEN** **GO TO** Step 1.5 of Enclosure 4.1, (General Emergency).
- ☐ 1.2.2 **IF** A Site Area Emergency has been declared,  
**THEN** **GO TO** Step 1.5 of Enclosure 4.2, (Site Area Emergency).

**2. Condition A Response - Subsequent Actions**

- ☐ 2.1 Notify Hydro Central and provide information related to the event.
- 2.1.1 **REFER TO** Section 6 of the Emergency Telephone Directory, (Keowee Hydro Project Dam/Dike Notification). {2}
- ☐ 2.2 Relocate Keowee personnel to the Operational Support Center (OSC) if events occur where their safety could be affected.
- ☐ 2.2.1 **IF** Keowee personnel are relocated to the OSC,  
**THEN** Notify Hydro Central.
- A. **REFER TO** Section 6 of the Emergency Telephone Directory, (Keowee Hydro Project Dam/Dike Notification). {2}

**NOTE:** A loss of offsite communications capabilities (Selective Signaling and the Wide Area Network - WAN) could occur within 1.5 hours after Keowee Hydro Dam failure. Rerouting of the Fiber Optic Network through Bad Creek should be started **as soon as possible**.

- ☐ 2.3 Notify Telecommunications Group in Charlotte to begin rerouting the Oconee Fiber Optic Network.

2.3.1 **REFER TO** Selective Signaling Section of the Emergency Telephone Directory (page 9).

- ☐ 2.4 Request Security to alert personnel at the Security Track/Firing Range and Building 8055 (Warehouse #5) to relocate to work areas inside the plant.

**NOTE:**

- Plant access road to the Oconee Complex could be impassable within **1.5 hours** if the Keowee Hydro Dam fails. A loss of the Little River Dam (Newry Dam) or Dikes A-D will take longer to affect this road.
- PA Announcements can be made by the Control Room using the Office Page Override feature or Security.

- ☐ 2.5 Make a PA Announcement to relocate personnel at the following locations to the World Of Energy/Operations Training Center.

\_\_\_\_\_ Oconee Complex

\_\_\_\_\_ Oconee Garage

\_\_\_\_\_ Oconee Maintenance Training Facility

- ☐ 2.6 Dispatch operators to the SSF and establish communications.

- ☐ 2.7 Return to applicable Enclosure (4.1 or 4.2).

☐ 2.7.1 **IF** A General Emergency has been declared,  
**THEN GO TO** Step 1.13 of Enclosure 4.1, (General Emergency).

☐ 2.7.2 **IF** A Site Area Emergency has been declared,  
**THEN GO TO** Step 1.12 of Enclosure 4.2, (Site Area Emergency).

### 3. Condition B Response - Immediate Actions

- 3.1     **IF**           Condition B at Keowee exists,  
            **THEN**       Notify Hydro Central. {2}
- 3.1.1     **REFER TO** Section 6 of the Emergency Telephone Directory, (Keowee Hydro Project Dam/Dike Notification).
- 3.2     Return to applicable Enclosure (4.1, or 4.2, or 4.3, or 4.4).
- 3.2.1   **IF**           A General Emergency has been declared,  
            **THEN**       **GO TO** Step 1.13 of Enclosure 4.1, (General Emergency).
- 3.2.2   **IF**           A Site Area Emergency has been declared,  
            **THEN**       **GO TO** Step 1.12 of Enclosure 4.2, (Site Area Emergency).
- 3.2.3   **IF**           An Alert has been declared,  
            **THEN**       **GO TO** Step 1.11 of Enclosure 4.3, (Alert).
- 3.2.4   **IF**           An Unusual Event has been declared,  
            **THEN**       **GO TO** Step 1.6 of Enclosure 4.4, (Unusual Event).

**Enclosure 4.8**  
**ERO Pager Activation By Security**

RP/0/B/1000/002  
Page 1 of 1

**1. Symptoms**

- 1.1 Activation of the ERO Pagers using the ERO Pager Activation Panel in the TSC was unsuccessful.

**2. Immediate Actions**

- 2.1 Activate the Emergency Response Organization (Technical Support Center, Operational Support Center, and Emergency Operations Facility) by completing the following actions.:

- 2.1.1 Contact Security.

- A. Dial 3636 (Dial 2309 if no response is received).

Security Officer Name \_\_\_\_\_

- 2.1.2 Read the following information to the Security Officer:

- A. The Emergency Response Organization (Technical Support Center, Operational Support Center, and Emergency Response Facility) is being activated for an emergency relating to Unit # \_\_\_\_\_.

**NOTE:** Activate the Alternate TSC and OSC in the Oconee Office Building, Rooms 316 and 316A, if a fire in the Turbine Building, flooding conditions, security events, or onsite/offsite hazardous materials spills have occurred or are occurring.

- B. \_\_\_\_\_ Primary TSC/OSC will be used

**OR**

\_\_\_\_\_ Alternate TSC/OSC will be used

- C. This is a \_\_\_\_\_ Blue Delta (Drill) activation

**OR**

This is a \_\_\_\_\_ Blue Echo (Emergency) activation

**NOTE:** Flooding/dam failure/earthquake conditions assume bridges may be impassable to reach emergency facilities. Provide the code below for these conditions.

- D. This is a \_\_\_\_\_ Blue Delta Bridges (Drill) activation

**OR**

This is a \_\_\_\_\_ Blue Echo Bridges (Emergency) activation

1. PIP O-01-01395
2. PIP O-01-03460
3. PIP O-01-03696

**INFORMATION  
ONLY****Duke Power Company  
PROCEDURE PROCESS RECORD**(1) ID No. RP/0/B/1000/007Revision No. 004**PREPARATION**

- (2) Station OCONEE NUCLEAR STATION
- (3) Procedure Title Security Event
- (4) Prepared By Rodney Brown (Signature) Rodney Brown Date 10/23/01
- (5) Requires NSD 228 Applicability Determination?  
☒ Yes (New procedure or revision with major changes)  
☐ No (Revision with minor changes)  
☐ No (To incorporate previously approved changes)
- (6) Reviewed By Ray Waterman (QR) Date 11/1/01  
 Cross-Disciplinary Review By George R. Robinson (QR) NA Date 10-24-01  
 Reactivity Mgmt Review By POW (QR) NA Date 11/1/01  
 Mgmt Involvement Review By \_\_\_\_\_ (Ops Supt) NA Date \_\_\_\_\_
- (7) Additional Reviews  
 Reviewed By David O. Loring Date 10/24/01  
 Reviewed By \_\_\_\_\_ Date \_\_\_\_\_
- Temporary Approval (if necessary)  
 By \_\_\_\_\_ (OSM/QR) Date \_\_\_\_\_  
 By \_\_\_\_\_ (QR) Date \_\_\_\_\_
- (9) Approved By M. R. Thorne Date 11-5-01

**PERFORMANCE** (Compare with control copy every 14 calendar days while work is being performed.)

- (10) Compared with Control Copy \_\_\_\_\_ Date \_\_\_\_\_  
 Compared with Control Copy \_\_\_\_\_ Date \_\_\_\_\_  
 Compared with Control Copy \_\_\_\_\_ Date \_\_\_\_\_
- (11) Date(s) Performed \_\_\_\_\_  
 Work Order Number (WO#) \_\_\_\_\_

**COMPLETION**

- (12) Procedure Completion Verification:  
☐ Unit 0 ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 Procedure performed on what unit?  
☐ Yes ☐ NA Check lists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?  
☐ Yes ☐ NA Required enclosures attached?  
☐ Yes ☐ NA Data sheets attached, completed, dated, and signed?  
☐ Yes ☐ NA Charts, graphs, etc. attached, dated, identified, and marked?  
☐ Yes ☐ NA Procedure requirements met?
- Verified By \_\_\_\_\_ Date \_\_\_\_\_
- (13) Procedure Completion Approved \_\_\_\_\_ Date \_\_\_\_\_
- (14) Remarks (Attach additional pages)

<b>Duke Power Company</b> <b>Oconee Nuclear Site</b>  <b>Security Event</b>   <b>Reference Use</b>	Procedure No. <b>RP/0/B/1000/007</b>
	Revision No. <b>004</b>
	Electronic Reference No. <b>OX002WOZ</b>

PROPRIETARY INFORMATION - NOT FOR PUBLIC DISCLOSURE



## Security Event

**NOTE:** This procedure is an implementing procedure to the Oconee Nuclear Site Emergency Plan and should be reviewed by the Emergency Planning Group prior to approval by the responsible group. Upon revision, a Control Copy of this procedure must be forwarded to Emergency Planning within three (3) working days of approval.

### 1. Symptoms

- |     |                                       |     |  |
|-----|---------------------------------------|-----|--|
| 1.1 | Personnel/Civil Disturbance (Hostile) |     |  |
| 1.2 | Intrusion/attempted intrusion (Site)  | {2} |  |
| 1.3 | Hostage Situation/Extortion           |     |  |
| 1.4 | Discovery of Bomb/explosive device    |     |  |
| 1.5 | Terrorist Threat                      | {2} |  |

### 2. Immediate Actions

- NOTE:**
- Following an intrusion into the site by an outsider, Security personnel at the CAS will notify the control room of the intrusion using the emergency telephone number. {2}
  - Place keeping aids: ☐ at left of steps may be used for procedure place keeping (☒).

- |                                |                    |  |     |
|--------------------------------|--------------------|--|-----|
| <input type="checkbox"/> 2.1   | <b><u>IF</u></b>   | Security notifies the control room of an imminent or actual threat to the site by an outsider/hostile force,                         |     |
|                                | <b><u>THEN</u></b> | Perform the following steps:   | {2} |
| <input type="checkbox"/> 2.1.1 |                    | Maintain an open line over the phone with Security.  |     |
| <input type="checkbox"/> 2.1.2 |                    | Dispatch an RO or SRO to the communications area in the back of the control room and have them retrieve the portable Security radio. |     |
| <input type="checkbox"/> 2.1.3 |                    | Establish/monitor radio communications on Security Channel 1 with the Security Officer in the CAS.                                   |     |
|                                |                    | A. Continue to maintain open phone communications after radio communication with the CAS has been established.                       |     |
| <input type="checkbox"/> 2.1.4 |                    | Inform the Control Room SRO to dispatch operators to the SSF.  | {1} |
|                                |                    | A. Coordinate this action with Security as needed.   |     |

- NOTE:** For drill purposes only, preface and close all PA announcements with the following statement, **“This is a drill. This is a drill.”**

- NOTE:** Pre-staging of TSC/OSC personnel may be prudent if an Unusual Event Classification exists. {2}

- PROPRIETARY INFORMATION - NOT FOR PUBLIC DISCLOSURE

- ☐ 2.2.3 Evaluate the need to man the SSF based on Security recommendations related to discovery of an explosive device or civil disturbance. {1}
- ☐ 2.2.4 Authorize Security to notify Local Law Enforcement Agencies and/or Explosive Ordnance Disposal Center as applicable.
  - A. **IF** Offsite Agency support is requested and an emergency classification is not applicable,  
**THEN** the NRC must be notified within four (4) hours.  
 (ref. §50.72 (b)(2)(xi)).
- ☐ 2.2.5 Evaluate staging SCBAs in the immediate control room area. {2}

### 3. Subsequent Actions

**NOTE:** Consideration should be given to tripping the unit(s) if it is determined that there is an imminent or actual threat to the plant site. {2}

- ☐ 3.1 Assess the operating status of each unit.
  - 3.1.1 Determine the advisability of continuing power generation.
  - 3.1.2 **IF** Unit(s) are tripped,  
**THEN** Maintain Mode 3 until conditions allow further cool down. {2}
- ☐ 3.2 Utilize emergency and operating procedures as applicable to mitigate the consequences of sabotage.
- ☐ 3.3 Assess the situation and take actions necessary within the scope of the Duke Power Nuclear Security and Contingency Plan as directed by the Senior Security Officer.
  - 3.3.1 Determine the need for the following:
    - A. Lock the Control Room doors.
    - B. Lock perimeter doors to buildings inside the protected area to control access and egress.
- ☐ 3.4 Ensure Keowee underground and overhead power paths are available. {2}

### 4. Enclosures

- 4.1 References

**Enclosure 4.1**

RP/0/B/1000/007

**References**

Page 1 of 1

1. PIP O-00-02158
2. PIP O-01-03696

NSD 793 (R04.01)  
**INFORMATION  
ONLY**

**Duke Power Company  
PROCEDURE PROCESS RECORD**

(1) ID No. RP/0/B/1000/029

Revision No. 002

**PREPARATION**

(2) Station OCONEE NUCLEAR STATION

(3) Procedure Title FIRE BRIGADE RESPONSE

(4) Prepared By ROBERT TAYLOR (Signature) *Robert Taylor* Date 10/30/01

(5) Requires NSD 228 Applicability Determination?

☒ Yes (New procedure or revision with major changes)

☐ No (Revision with minor changes)

☐ No (To incorporate previously approved changes)

(6) Reviewed By *Rodney Brown* (QR) Date 11-07-01

Cross-Disciplinary Review By *Tony R. Lee* (QR) NA Date 11-05-01

Reactivity Mgmt Review By *JLB* (QR) NA Date 11-07-01

Mgmt Involvement Review By  (Ops Supt) NA Date

(7) Additional Reviews

Reviewed By *A. R. R. R.* Date 11-05-01

Reviewed By  Date

Temporary Approval (if necessary)

By  (OSM/QR) Date

By  (QR) Date

(9) Approved By *M. R. Thome* Date 11-7-01

**PERFORMANCE** (Compare with control copy every 14 calendar days while work is being performed.)

(10) Compared with Control Copy  Date

Compared with Control Copy  Date

Compared with Control Copy  Date

(11) Date(s) Performed

Work Order Number (WO#)

**COMPLETION**

(12) Procedure Completion Verification:

☐ Unit 0 ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 Procedure performed on what unit?

☐ Yes ☐ NA Check lists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?

☐ Yes ☐ NA Required enclosures attached?

☐ Yes ☐ NA Data sheets attached, completed, dated, and signed?

☐ Yes ☐ NA Charts, graphs, etc. attached, dated, identified, and marked?

☐ Yes ☐ NA Procedure requirements met?

Verified By  Date

(13) Procedure Completion Approved  Date

(14) Remarks (Attach additional pages)

Duke Power Company  
Oconee Nuclear Station

**Fire Brigade Response**

**Reference Use**

Procedure No.

RP/0/B/1000/029

Revision No.

002

Electronic Reference No.

OX0091UU

## Fire Brigade Response

**NOTE:** This procedure is an implementing procedure to the Oconee Nuclear Site Emergency Plan and must be forwarded to Emergency Planning within three (3) working days of approval.

### 1. Symptoms

- 1.1 Fire, explosions or conditions (smoke, smoldering, burning) associated with a fire have been reported to the Control Room or to the OSC when activated.
- 1.2 This procedure shall provide guidance to shift personnel and Emergency Coordinator for response, actions, and coordination associated with an incident involving real or suspected fires.

### 2. Immediate Actions

- 2.1 **IF** Fire Brigade response is being considered during routine operations  
**THEN** Go to Enclosure 4.1 (Fire Brigade Response - Routine Operations)
- 2.2 **IF** Fire Brigade response is being considered  
**AND** The OSC/TSC are activated  
**THEN** Go to Enclosure 4.2 (Fire Brigade Response - OSC/TSC Activation).

### 3. Subsequent Actions

- 3.1 **IF** Fire Brigade equipment or supplies have been used,  
**THEN** Ensure that all equipment is returned to its proper place and consumable supplies are replaced or ordered.

**NOTE:** Original copies of the Fire Emergency Report can be located in NSD 112, Fire Brigade Organization and Training.

- \_\_\_\_\_ 3.2 Complete Enclosure 4.3 (Fire Emergency Report).
  - \_\_\_\_\_ 3.2.1 Forward a copy to the Fire Protection Engineer.
  - \_\_\_\_\_ 3.2.2 Initiate a PIP if Enclosure 4.3 (Fire Emergency Report) is completed. Include all important information from Enclosure 4.3 (Fire Emergency Report) in PIP.
  - \_\_\_\_\_ 3.2.3 Forward this procedure to the Emergency Planning Section.
- \_\_\_\_\_ 3.3 Conduct a post incident critique for events requiring full Fire Brigade activation.

#### **4. Enclosures**

- 4.1 Fire Brigade Response - Routine Operations
- 4.2 Fire Brigade Response - OSC/TSC Activation
- 4.3 Fire Emergency Report
- 4.4 Fire Brigade Leader Checklist
- 4.5 Safety Officer's Checklist
- 4.6 References



**Enclosure 4.1**  
**Fire Brigade Response - Routine Operations**

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**1. Fire Brigade Response – Routine Operations**

- Actions may be followed in any sequence.
- Lines left of procedure steps are used to indicate place in procedure.
- Check marks are acceptable in these blanks.
- Complete the procedure steps that apply to this incident.
- N/A steps not performed.

\_\_\_\_\_ 1.1 Complete the following with information taken from the caller:

Name/Group of person reporting fire/smoke \_\_\_\_\_

\_\_\_\_\_

Location of fire/smoke \_\_\_\_\_

Equipment/components affected by fire/smoke \_\_\_\_\_

\_\_\_\_\_

Time \_\_\_\_\_

Are there people in the immediate area who need to be warned or relocated to a safe area?

\_\_\_\_\_

Are there any injured people? \_\_\_\_\_

Call back number \_\_\_\_\_

\_\_\_\_\_ 1.2 Refer to the Fire Plan for the location reported for fire in Step 1.1

\_\_\_\_\_ 1.2.1 Request support from an unaffected unit. (Refer to Fire Plan SOG #10 for Fire Brigade equipment locations).

**Enclosure 4.1**  
**Fire Brigade Response - Routine Operations**

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**NOTE:** The Operations Shift Manager (OSM) or designee may activate a full Fire Brigade response without sending someone to investigate first, if deemed necessary. Possible situations that warrant full response could include:

- Multiple reports from individuals
- Multiple alarms,
- Other system indications
- Any other indicators that the Operations Shift Manager deems significant.

\_\_\_\_\_ 1.3 If fire is involved or suspected **INSIDE** the protected area perform the following:

\_\_\_\_\_ 1.3.1 Send one operator, with a radio, to the fire/smoke location to perform one of the following:

A. Extinguish the fire (if possible) with portable extinguisher (notify Control Room)

**OR**

B. IF Fire Brigade response is required, then notify Control Room immediately.

\_\_\_\_\_ 1.3.2 If Fire Brigade response is **NOT** needed, then perform the following:

A. Direct NLO to search affected area for victims

B. Activate MERT if required per RP/0/B/1000/016, Medical Response.

C. IF **NO** fire was discovered then exit this procedure.

D. If fire was discovered then GO TO Step 1.3.8.

\_\_\_\_\_ 1.3.3 If a full Fire Brigade response is needed, perform the following:

A. Direct NLO to:

- Search effected area for victims
- Evacuate surrounding areas
- Pre-stage nearby equipment for Fire Brigade
- Report to Fire Brigade Leader for further instructions

**Enclosure 4.1**  
**Fire Brigade Response - Routine Operations**

RP/0/B/1000/029  
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- B. Use plant page to request all Fire Brigade and MERT members to respond to the fire.
1. Include any information, if known, that would be important to Fire Brigade members responding to the incident location. (eg. Hazardous materials, smoke, structural damage, etc.)
  2. Include the statement "All non-Fire Brigade personnel please avoid the \_\_\_\_\_." (fire location area)

- \_\_\_\_\_ 1.3.4 Use the following directions to activate radios and pagers.
- A. Transmit "Standby for Emergency Message"
  - B. Press the "Instant Call" button labeled "Fire Brigade"
  - C. Wait for the red "Transmit" light on the radio to turn off
  - D. Transmit message including information, if known, that would be important to Fire Brigade members responding to the staging area (e.g. hazardous materials, smoke, structural damage, etc.).
- \_\_\_\_\_ 1.3.5 Notify OSM to refer to Emergency Plan
- \_\_\_\_\_ 1.3.6 Get staging area location from the Fire Brigade Leader then repeat Steps 1.3.3.B & 1.3.4.
- \_\_\_\_\_ 1.3.7 Establish and maintain communications with Fire Brigade Leader to provide assistance as needed. {3}
- A. Available equipment, refer to SOG #10 in the Fire Plan.
  - B. Critical equipment in vicinity of fire (Fire Plan)
- \_\_\_\_\_ 1.3.8 If hazardous materials are involved, refer to RP/0/B/1000/017 (Spill Response Procedure).
- \_\_\_\_\_ 1.3.9 **IF** An oil filled transformer is involved in a fire,
- THEN** Request Oconee County Fire Department to dispatch the Keowee Key Fire Department to the site.

Dial 9-911	from Ext. 3271	Operations Shift Manager's phone
Dial 9-911	from Ext. 2159	Unit 1 Control Room SRO's phone or
Dial 911	from 882-7076	Units 1, 2 and 3 Control Rooms, Bell South lines

**Enclosure 4.1**  
**Fire Brigade Response - Routine Operations**

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- \_\_\_\_\_ 1.3.10 IF the Fire Brigade identifies a fire requiring application of water for extinguishment, perform the following:
- A. Operate HPSW pumps as required to boost pressure (refer to OP/0/A/1104/01, High Pressure Service Water). {1}
  - B. Make a PA announcement to discontinue use of HPSW for non-essential purposes. {1}
  - C. Evaluate any Auxiliary Building Flooding Concerns (Refer to Auxiliary Building Flood AP). {2}

- \_\_\_\_\_ 1.3.11 **IF** Fire occurs on backshifts or weekends and additional Fire Brigade support is needed,

**THEN** Perform the following:

- A. Select the off duty shift(s) that will impact the safe operation of the plant the least by being recalled (i.e., shifts other than on coming shift).

\_\_\_\_\_ A      \_\_\_\_\_ B      \_\_\_\_\_ C      \_\_\_\_\_ D      \_\_\_\_\_ E

- B. Call the Switchboard Operator and request them to call the shift(s) selected in Step 1.3.11.A.

<p><b>NOTE:</b> All site phones except for the following are blocked from accessing the public 911 emergency service line.</p>
--

- \_\_\_\_\_ 1.3.12 **IF** Oconee County Fire Department assistance is needed,

**THEN** Dial 9-911    from Ext. 3271    Operations Shift Manager's phone

Dial 9-911    from Ext. 2159    Unit 1 Control Room SRO's phone

Or

Dial 911    from 882-7076    Units 1 /2 and 3 Control Rooms, Bell South lines

**Enclosure 4.1**  
**Fire Brigade Response - Routine Operations**

RP/0/B/1000/029  
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A. Request a response from:

- Keowee Key Fire Department
- Keowee Ebenezer Fire Department
- Corinth-Shiloh Fire Department
- Give the fire location (building, parking lot, etc.) and best gate for entry to the fire department dispatch.
- Call Security (est. 2222) and request that they have a Security Officer escort the fire department to the fire location.

**NOTE:**

- Offsite fire departments are normally responsible for fire suppression activities outside the Protected Area. The Fire Brigade may provide limited support for a fire outside the Protected Area if resources allow.
- The Fire Plan for Keowee Hydro calls for sending the Fire Brigade to extinguish fires there.
- Security will automatically send a Security Officer to investigate alarms on fire detection systems that are monitored by Security in the PAP. Security will call the emergency line to report the existence of a fire or a need for further investigation by plant personnel as needed.

\_\_\_\_ 1.4    **IF**        Fire is involved or suspected **OUTSIDE** the Protected Area,

**THEN**      Call Security (ext. 2222) and request that a Security Officer be dispatched to the suspected fire location to verify fire location and nature of the fire.

                    Request Security Shift Supervisor to relay information back to the Control Room via the emergency line (4911).

\_\_\_\_ 1.4.1    **IF**        Security confirms that there is a fire or the situation has the potential for developing into one,

**THEN**      Send a Fire Brigade Leader and one Fire Brigade Member or the full Fire Brigade if resources allow.

**Enclosure 4.1**  
**Fire Brigade Response - Routine Operations**

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\_\_\_\_\_ 1.4.2      Notify OSM to refer to Emergency Plan

**NOTE:** All site phones except for the following are blocked from accessing the public 911 emergency service line.

\_\_\_\_\_ 1.4.3      **IF**      Oconee County Fire Department assistance is needed,

**THEN**   Dial 9-911      from Ext. 3271      Operations Shift Manager's phone

                 Dial 9-911      from Ext. 2159      Unit 1 Control Room SRO's phone

                 Dial 911      from 882-7076      Units 1/2 and 3 Control Rooms, Bell South line

\_\_\_\_\_ 1.4.4      Request a response from:

- Keowee Key Fire Department
- Keowee Ebenezer Fire Department
- Corinth-Shiloh Fire Department

- Give the fire location (building, parking lot, etc.) and best gate for entry to the fire department dispatch.
- Call Security (ext. 2222) and request that they have a Security Officer escort the fire department to the fire location.

**NOTE:** Keowee Hydro Station is located in Pickens County. Dialing 9-911 will **NOT** access the Pickens County Fire Dispatch.

\_\_\_\_\_ 1.4.5      **IF**      Six Mile Fire Department assistance is needed for a fire at Keowee Hydro Station,

**THEN**   Call the Pickens County Sheriffs Department (898-5500) and request the response of Six Mile Fire Department to Keowee Hydro Station.

- Call Security (ext. 2222) and request that they have a Security Officer escort the fire department to the fire location.

\_\_\_\_\_ 1.5      Return to Section 3, Subsequent Actions.

**Enclosure 4.2**  
**Fire Brigade Response - OSC/TSC Activation**

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Page 1 of 5

**1. Fire Brigade Response – OSC/TSC Activation**

- Actions may be followed in any sequence.
- Lines left of procedure steps are used to indicate place in procedure.
- Check marks are acceptable in these blanks.
- Complete the procedure steps that apply to this incident.
- N/A steps not performed.

\_\_\_\_\_ 1.1 Complete the following with information taken from the Work Control Assistant who received the emergency line call:

Name/Group of person reporting fire/smoke \_\_\_\_\_

\_\_\_\_\_

Location of fire/smoke \_\_\_\_\_

Equipment/components affected by fire/smoke \_\_\_\_\_

\_\_\_\_\_

Time \_\_\_\_\_

Are there people in the immediate area who need to be warned or relocated to a safe area?

\_\_\_\_\_

Are there any injured people? \_\_\_\_\_

Call back number \_\_\_\_\_

\_\_\_\_\_ 1.2 Refer to Fire Plan for the location reported for fire in Step 1.1.

\_\_\_\_\_ 1.2.1 Request support from an unaffected unit. (Refer to Fire Plan SOG#10 for Fire Brigade Equipment locations).

**NOTE:** The Emergency Coordinator or designee may activate a full Fire Brigade response without sending someone to investigate first, if deemed necessary. Possible situations that warrant full response could include:

- Multiple reports from individuals
- Multiple alarms,
- Other system indications
- Any other indicators that the Emergency Coordinator deems significant.

\_\_\_\_\_ 1.3 When fire is involved or suspected **INSIDE** the Protected Area, perform one of the following as required.

\_\_\_\_\_ 1.3.1 Send one operator, with a radio, to the fire/smoke location to perform one of the following:

A. Extinguish the fire (if possible) with portable extinguisher (notify Control Room)

**OR**

B. IF Fire Brigade response is required, then notify Control Room immediately.

\_\_\_\_\_ 1.3.2 If Fire Brigade response is **NOT** needed, then perform the following:

A. Direct NLO to search affected area for victims

B. Activate MERT if required per RP /0/B/1000/016 (Medical Response)

C. IF **NO** fire was discovered then exit this procedure.

D. If fire was discovered then GO TO Step 1.3.5.

\_\_\_\_\_ 1.3.3 If a full Fire Brigade response is needed, perform the following:

A. Direct NLO to:

- Search effected area for victims
- Evacuate surrounding areas
- Pre-stage nearby equipment for Fire Brigade
- Report to Fire Brigade Leader for further instructions



**Enclosure 4.2**  
**Fire Brigade Response - OSC/TSC Activation**

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- B. Dispatch Fire Brigade Members assigned to the OSC to respond to the fire.
- C. Request the OSC Security Manager to have MERT respond along with the Fire Brigade to the fire location.

\_\_\_\_\_ 1.3.4 Establish and maintain communications with Fire Brigade Leader to provide assistance as needed. {3}

- A. Available equipment (Refer to SOG #10 in the Fire Plan)
- B. Critical equipment in vicinity of fire (Fire Plan)

\_\_\_\_\_ 1.3.5 If hazardous materials are involved, refer to RP/0/B/1000/017 (Spill Response Procedure).

\_\_\_\_\_ 1.3.6 **IF** An oil filled transformer is involved in a fire,

**THEN** Request Oconee County Fire Department to dispatch the Keowee Key Fire Department to the site.

Dial 9-911	from Ext. 3271	Operations Shift Manager's phone
Dial 9-911	from Ext. 2159	Unit 1 Control Room SRO's phone or
Dial 911	from 882-7076	Units 1, 2 and 3 Control Rooms, Bell South lines

\_\_\_\_\_ 1.3.7 IF the Fire Brigade identifies a fire requiring application of water for extinguishment, perform the following:

- A. Operate HPSW pumps as required to boost pressure (Refer to OP/0/A/1104/01 High Pressure Service Water). {1}
- B. Make a PA announcement to discontinue use of HPSW for non-essential purposes. {1}
- C. Evaluate any Auxiliary Building Flooding Concerns (Refer to Auxiliary Building Flood AP). {2}

\_\_\_\_\_ 1.3.8 **IF** Fire occurs on backshifts or weekends and additional Fire Brigade support is needed,

**THEN** Perform the following:

- A. Select the off duty shift(s) that will impact the safe operation of the plant the least by being recalled (i.e., shifts other than on coming shift).

\_\_\_\_\_ A    \_\_\_\_\_ B    \_\_\_\_\_ C    \_\_\_\_\_ D    \_\_\_\_\_ E

- B. Call the Switchboard Operator and request them to recall the shift(s) selected in Step A.

**Enclosure 4.2**  
**Fire Brigade Response - OSC/TSC Activation**

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\_\_\_\_\_ 1.3.9     **IF**     Oconee County Fire Department assistance is needed,

**THEN**   Request that the Offsite Communicator call and request a fire department response from:

- Keowee Key Fire Department
  - Keowee-Ebenezer Fire Department
  - Corinth Shiloh Fire Department
- A.   Give the fire location (building, parking lot, etc.) and best gate for entry to the Offsite Communicator so that it can be given to the fire department dispatcher.
- B.   Request that a Security Officer meet and escort the fire department to the fire location.

**NOTE:**

- Offsite fire departments are normally responsible for fire suppression activities outside the Protected Area. The Fire Brigade may provide limited support for a fire outside the Protected Area if resources allow.
- The Fire Plan for Keowee Hydro calls for sending the Fire Brigade to extinguish fires there.
- Security will automatically send a Security Officer to investigate alarms on fire detection systems that are monitored by Security in the PAP. Security will call the emergency line to report the existence of a fire or a need for further investigation by plant personnel as needed.

\_\_\_\_\_ 1.4     **IF**     Fire is involved or suspected **OUTSIDE** the Protected Area,

**THEN**     Request that a Security Officer be dispatched to the suspected fire location to verify the location and status of the fire. Request that information be relayed back to the OSC via the emergency line (4911).

\_\_\_\_\_ 1.4.1     **IF**     Security confirms that there is a fire or the situation has the potential for developing into one,

**THEN**     Send a Fire Brigade Leader and one Fire Brigade Member or the full Fire Brigade if resources allow.

**Enclosure 4.2**  
**Fire Brigade Response - OSC/TSC Activation**

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- \_\_\_\_\_ 1.4.2     **IF**     Oconee County Fire Department assistance is needed,
- THEN**   Request that the Offsite Communicator call and request a fire department response from:
- Keowee Key Fire Department
  - Keowee-Ebenezer Fire Department
  - Corinth Shiloh Fire Department
- A.   Give the fire location (building, parking lot, etc.) and best gate for entry to the Offsite Communicator so that it can be given to the fire department dispatcher.
- B.   Request that a Security Officer meet and escort the fire department to the fire location.

<b>NOTE:</b> Keowee Hydro Station is located in Pickens County.
---

- \_\_\_\_\_ 1.4.3     **IF**   Six Mile Fire Department assistance is needed for a fire at Keowee Hydro Station,
- THEN**   Request the Offsite Communicator call the Pickens County Sheriffs Department (898-5500) and request Six Mile Fire Department to respond to Keowee Hydro Station.
- Request that a Security Officer meet and escort the fire department to the fire location.

\_\_\_\_\_ 1.5     Return to Section 3, Subsequent Actions.

**Enclosure 4.3**  
**Fire Emergency Report**  
**FIRE EMERGENCY REPORT**

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Station/Location: \_\_\_\_\_ Date: \_\_\_\_\_

Location (Unit/Area): \_\_\_\_\_

Time Discovered: \_\_\_\_\_ Discovered By: \_\_\_\_\_

Operations Shift Manager: \_\_\_\_\_

Evacuation: Yes \_\_\_\_\_ No \_\_\_\_\_ Partial \_\_\_\_\_ Other \_\_\_\_\_

Fire Brigade Response: Yes \_\_\_\_\_ No \_\_\_\_\_

Time Fire Extinguished: \_\_\_\_\_

List All Fire Protection Equipment Used \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Operation Satisfactory: Yes \_\_\_\_\_ No \_\_\_\_\_ (Use Back For Details)

Equipment Restored For Use: Yes \_\_\_\_\_ No \_\_\_\_\_ If no, Explain (Use Back for Details)

Outside Assistance Called: No \_\_\_\_\_ Yes \_\_\_\_\_ Agency(s) \_\_\_\_\_

\_\_\_\_\_

Area Involved: \_\_\_\_\_

Point of Origin (If known): \_\_\_\_\_

Cause (If known) \_\_\_\_\_

Damage To:

Building \_\_\_\_\_

Equipment \_\_\_\_\_

Personal \_\_\_\_\_

Other \_\_\_\_\_

Injuries Reported: \_\_\_\_\_

Briefly Describe What Happened: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
\*Signature of Fire Brigade Leader

\_\_\_\_\_  
\*Signature of Operations Shift Manager

\*Notify Safety Representative of Fires Involving Personal Injury (Refer to Duty List for after hours).

**Enclosure 4.4**  
**Fire Brigade Leader Checklist**

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Page 1 of 1

<b>TASK</b>	<b>✓</b>
<b>Don Fire Brigade Leader Vest</b>	
<b>Determine Staging Area and Communicate to Control Room</b> <ul style="list-style-type: none"> <li>• Safe accessibility</li> <li>• Minimal distractions</li> <li>• Appropriate vicinity</li> </ul>	
<b>Establish The Following Teams/Priorities:</b> <ul style="list-style-type: none"> <li>• Entry Team - Priority = search &amp; rescue/fight fire</li> <li>• Backup Team - Priority = backup Entry Team/help fight fire</li> <li>• Rapid Intervention Team - Priority = Rescue Fire Fighters (if required)</li> </ul>	
<b>Stress The Following Items With All Teams Prior To Dispatching To Fire:</b> <ul style="list-style-type: none"> <li>• Safety of Team is top priority</li> <li>• Stay with the hose/rescue line <u>at all times</u></li> <li>• Maintain contact with your team at all times</li> <li>• All teams report to Safety Officer prior to entering fire zone and after exiting fire zone for accountability</li> </ul>	
<b>Assess The Fire:</b> <ul style="list-style-type: none"> <li>• Request CR to dispatch additional resources as required: <ul style="list-style-type: none"> <li>- Off Duty Shifts and/or Offsite Fire Departments</li> <li>- Outside Equipment Truck and/or Equipment Carts</li> <li>- CO2 or Wheeled Dry Chemical Extinguishers</li> <li>- Foam Units</li> </ul> </li> <li>• Exposures - Critical Equipment Concerns <ul style="list-style-type: none"> <li>- Above/Below Fire?, Fire/Smoke/Water?, Electrical Hazards?</li> </ul> </li> <li>• Report Critical Equipment Concerns to CR for Emergency Plan Consideration</li> </ul>	
<b>Request Location of Nearest Fire Hose Locations From Control Room:</b> <ul style="list-style-type: none"> <li>• Elevation/column #</li> <li>• Communicate locations to teams</li> </ul>	
<b>Request Assistance From RP/Security</b> <ul style="list-style-type: none"> <li>• Request Security At The Scene To Control Access To The Area</li> <li>• If Radiological Concerns Exist, Request CR To Notify RP</li> </ul>	
<b>Refer To Fire Plan As Required:</b> <ul style="list-style-type: none"> <li>• Hazards/Ventilation</li> <li>• Refer To SOG #10 for Fire Brigade equipment locations</li> </ul>	
<b>If Hazardous Materials Involved, Request CR to Dispatch Haz-Mat Team</b>	

Enclosure 4.5  
Safety Officer's Checklist

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<b>TASK</b>	<b>✓</b>
<b>Don Safety Officer Vest</b>	
<b>Establish Accountability For FB Members</b> <ul style="list-style-type: none"><li>• Name tags/accountability board</li></ul>	
<b>Perform PPE Checks of Fire Fighters</b> <ul style="list-style-type: none"><li>• All skin covered</li><li>• All turnout gear openings closed</li><li>• SCBA cylinder full (<math>\geq 4000</math> psi)</li><li>• SCBA cylinder valves fully open</li><li>• PASS device operational</li></ul>	
<b>Log Team Assignments on Accountability Board</b> <ul style="list-style-type: none"><li>• Log time on air</li><li>• Log entry times</li><li>• Log team assignments</li></ul>	
<b>Assign MERT Responsibilities</b> <ul style="list-style-type: none"><li>• Stand by with medical equipment</li><li>• Monitor FB members for signs of heat exhaustion/stress/etc.</li><li>• Provide drinking water for fire fighters</li></ul>	
<b>Maintain Continuous Contact With Fire Brigade Leader</b>	
<b>Evaluate SCBA Needs</b> <ul style="list-style-type: none"><li>• If required, request CR to have SCBA cylinder fill trailer delivered</li><li>• If required, request CR to have Spare SCBA cylinders delivered.</li><li>• If required, request CR to have spare SCBAs (for additional responders) delivered</li></ul>	

References:

{1} PIP 01-0405

{2} PIP 99-1286

{3} PIP 01-1220