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April 8, 2013

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

Subject: Duke Energy Carolinas, LLC  
Oconee Nuclear Station, Units 1, 2, and 3  
Docket Nos. 50-269, -270, and -287  
Emergency Plan Implementing Procedures Manual  
Volume C, Revision 2013-04

Please find attached for your use and review copies of the revision to the Oconee Nuclear Station Emergency Plan.

This revision is being submitted in accordance with 10 CFR 50.54(q) and does not reduce the effectiveness of the Emergency Plan or the Emergency Plan Implementing Procedures. If there are any questions or concerns pertaining to this revision please call Pat Street, Emergency Planning Manager, at 864-873-3124.

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

Sincerely,

Scott L. Batson  
Vice President  
Oconee Nuclear Station

Attachments:  
Revision Instructions  
EPIP Volume C - Revision 2013-04  
50.54(q) Evaluation(s)

AK45  
NRC

U. S. Nuclear Regulatory Commission  
April 8, 2013  
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xc: w/2 copies of attachments

Mr. Victor McCree, Regional Administrator  
U.S. Nuclear Regulatory Commission - Region II  
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Atlanta, GA 30303-1257

w/copy of attachments

Mr. John Boska  
Oconee Project Manager, NRR/DORL  
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w/o attachments

NRC Senior Resident Inspector  
Oconee Nuclear Station

April 4, 2013

OCONEE NUCLEAR STATION

SUBJECT: Emergency Plan Implementing Procedures  
Volume C Revision 2013-04

Please make the following changes to the Emergency Plan Implementing  
Procedures, Volume C:

Change the tabs in your manual to reflect the changes, new tabs will be issued at a later date.

**REMOVE**

Cover Sheet Rev. 2013-03

Table of Contents  
Pages 1, 2, & 3

RP/0/B/1000/001 SUPERSEDED  
With RP/0/A/1000/001

RP/0/B/1000/002 Rev. 24

SR/0/B/2000/004 SUPERSEDED  
With SR/0/A/1000/004

**INSERT**

Cover Sheet Rev. 2013-04

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Pages 1, 2, & 3

RP/0/A/1000/001 - Rev. 000

RP/0/B/1000/002 - Rev. 025

SR/0/A/2000/004 - Rev. 000

A handwritten signature in black ink, appearing to read 'Pat Street', with a long horizontal line extending to the right.

Pat Street  
ONS Emergency Planning Manager



# **OCONEE NUCLEAR STATION EMERGENCY PLAN IMPLEMENTING PROCEDURES VOLUME C**



**APPROVED:**

4/3/13

**Terry L. Patterson  
Safety Assurance Manager**

4/3/13

**Date Approved**

4/3/13

**Effective Date**

**VOLUME C  
REVISION 2013-04  
APRIL 2013**



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HP/0/B/1009/020	Estimating Food Chain Doses Under Post- Accident Conditions	Rev. 005
HP/0/B/1009/022	On-Shift Off-Site Dose Projections	Rev. 013
HP/0/B/1009/023	Radiation Protection Emergency Response	Rev. 000
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RP/0/B/1000/002	Control Room Emergency Coordinator Procedure	Rev. 025
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RP/0/A/1000/009	Procedure For Site Assembly	Rev. 000
RP/0/B/1000/010	Procedure For Emergency Evacuation/Relocation Of Site Personnel	Rev. 007
RP/0/A/1000/015 A	Offsite Communications From The Control Room	Rev. 000
RP/0/A/1000/015 B	Offsite Communications From The Technical Support Center	Rev. 000
RP/0/B/1000/016	MERT Activation Procedure For Medical, Confined Space, and High Angle Rescue Emergencies	Rev. 018
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SR/0/B/2000/001	Standard Procedure For Corporate Communications Response To The Emergency Operations Facility	Rev. 012
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SR/0/A/2000/003	Activation of the Emergency Operations Facility	Rev. 000
SR/0/A/2000/004	Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee	Rev. 000
Business Management	Business Management Emergency Plan	Rev. 012
SSG Functional Area Directive 102	SSG Emergency Response Plan – ONS Specific	Rev. 008
SCD – 110	Supply Chain Directive 110 – SCO Emergency Response Plan	Rev. 004
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Training Division DTS-007	Oconee Training Division Training Standard	Rev. 018

Duke Energy  
Oconee Nuclear Station  
Emergency Classification

Procedure No.

RP/0/A/1000/001

Revision No.

000

Electronic Reference No.

OP009A63

Reference Use

PERFORMANCE

This Procedure was printed on 03/20/13 at 13:32:27 from the electronic library as:

(ISSUED) - PDF Format

Compare with Control Copy every 14 calendar days while work is being performed.

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

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

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

Date(s) Performed

Work Order/Task Number (WO#)

COMPLETION

- ☐ Yes ☐ NA Checklists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?  
☐ Yes ☐ NA Required enclosures attached?  
☐ Yes ☐ NA Charts, graphs, data sheets, etc. attached, dated, identified, and marked?  
☐ Yes ☐ NA Calibrated Test Equipment, if used, checked out/in and referenced to this procedure?  
☐ Yes ☐ NA Procedure requirements met?

Verified By\*

Date

Procedure Completion Approved\*

Date

*\*Printed Name and Signature*

Remarks (attach additional pages, if necessary)

IMPORTANT: Do **NOT** mark on barcodes.

Printed Date: \*03/20/2013\*

Enclosure No.: \*FULL\*



Revision No.: \*000\*



Procedure No.: \*RP/0/A/1000/001\*



Duke Energy  
**PROCEDURE PROCESS RECORD**

(1) ID No. RP/0/A/1000/01Revision No. 0**PREPARATION**

- (2) Station OCONEE NUCLEAR STATION
- (3) Procedure Title Emergency Classification
- (4) Prepared By\* [Signature] DONALD A. CROWC Date 3/18/13
- (5) Requires NSD 228 Applicability Determination?  
☒ Yes (New procedure or revision with major changes) - Attach NSD 228 documentation.  
☐ No (Revision with minor changes)
- (6) Reviewed By\* RAY WATERMAN / Ray Waterman (QR)(KI) Date 3-18-13  
 Cross-Disciplinary Review By\* \_\_\_\_\_ (QR)(KI) NA Date 3-18-13  
 Reactivity Mgmt Review By\* \_\_\_\_\_ (QR) NA Date 3-18-13  
 Mgmt Involvement Review By\* \_\_\_\_\_ (Ops. Supt.) NA Date 3-18-13
- (7) Additional Reviews  
 Reviewed By\* \_\_\_\_\_ Date \_\_\_\_\_  
 Reviewed By\* \_\_\_\_\_ Date \_\_\_\_\_
- (8) Approved By\* PATRICK M. STILES [Signature] Date 3/18/13

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

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

**COMPLETION**

- (11) 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 Charts, graphs, data sheets, etc. attached, dated, identified, and marked?  
☐ Yes ☐ NA Calibrated Test Equipment, if used, checked out/in and referenced to this procedure?  
☐ Yes ☐ NA Procedure requirements met?
- Verified By\* \_\_\_\_\_ Date \_\_\_\_\_
- (12) Procedure Completion Approved \_\_\_\_\_ Date \_\_\_\_\_
- (13) Remarks (Attach additional pages, if necessary)

## Emergency Classification

**NOTE:** This procedure is an implementing procedure to the Oconee Nuclear Site Emergency plan and must be forwarded to Emergency Planning within seven (7) working days of approval.

### 1. Symptoms

- 1.1 This procedure describes the immediate actions to be taken to recognize and classify an emergency condition.
- 1.2 This procedure identifies the four emergency classifications and their corresponding Emergency Action Levels (EALs).
- 1.3 This procedure provides reporting requirements for non-emergency abnormal events.
- 1.4 The following guidance is to be used by the Emergency Coordinator/EOF Director in assessing emergency conditions:
  - 1.4.1 Definitions and Acronyms are italicized throughout procedure for easy recognition. The definitions are in Enclosure 4.10 (Definitions/Acronyms).
  - 1.4.2 The Emergency Coordinator/EOF Director shall review all applicable initiating events to ensure proper classification.
  - 1.4.3 The BASIS Document (Volume A, Section D of the Emergency Plan) is available for review if any questions arise over proper classification.
  - 1.4.4 **IF** An event occurs on more than one unit concurrently,  
**THEN** The event with the higher classification will be classified on the Emergency Notification Form.  
 A. Information relating to the problem(s) on the other unit(s) will be captured on the Emergency Notification Form as shown in RP/0/A/1000/015A, (Offsite Communications From The Control Room), RP/0/A/1000/015B, (Offsite Communications From The Technical Support Center) or SR/0/B/2000/004, (Notification to States and Counties from the Emergency Operations Facility).
  - 1.4.5 **IF** An event occurs,  
**AND** A lower or higher plant operating mode is reached before the classification can be made,  
**THEN** The classification shall be based on the mode that existed at the time the event occurred.

1.4.6 The Fission Product Barrier Matrix is applicable only to those events that occur at Mode 4 (Hot Shutdown) or higher.

A. An event that is recognized at Mode 5 (Cold Shutdown) or lower shall not be classified using the Fission Product Barrier Matrix.

1. Reference should be made to the additional enclosures that provide Emergency Action Levels for specific events (e.g., Severe Weather, Fire, Security).

1.5 **IF** A transient event should occur,

**THEN** Review the following guidance:

1.5.1 **IF** An Emergency Action Level (EAL) identifies a specific duration

**AND** The Emergency Coordinator/EOF Director assessment concludes that the specified duration is exceeded or will be exceeded, (i.e.; condition cannot be reasonably corrected before the duration elapses),

**THEN** Classify the event.

1.5.2 **IF** A plant condition exceeding EAL criteria is corrected before the specified duration time is exceeded,

**THEN** The event is **NOT** classified by that EAL.

A. Review lower severity EALs for possible applicability in these cases.

**NOTE:** Reporting under 10CFR50.72 may be required for the following step. Such a condition could occur, for example, if a follow up evaluation of an abnormal condition uncovers evidence that the condition was more severe than earlier believed.

1.5.3 **IF** A plant condition exceeding EAL criteria is not recognized at the time of occurrence, but is identified well after the condition has occurred (e.g.; as a result of routine log or record review)

**AND** The condition no longer exists,

**THEN** An emergency shall **NOT** be declared.

- Refer to NSD 202 for reportability

1.5.4 **IF** An emergency classification was warranted, but the plant condition has been corrected prior to declaration and notification

**THEN** The Emergency Coordinator must consider the potential that the initiating condition (e.g.; Failure of Reactor Protection System) may have caused plant damage that warrants augmenting the on shift personnel through activation of the Emergency Response Organization.

A. **IF** An *Unusual Event* condition exists,

**THEN** Make the classification as required.

1. The event may be terminated in the same notification or as a separate termination notification.

B. **IF** An *Alert, Site Area Emergency*, or *General Emergency* condition exists,

**THEN** Make the classification as required,

**AND** Activate the Emergency Response Organization.

1.6 Emergency conditions shall be classified as soon as the Emergency Coordinator/EOF Director assessment determines that the Emergency Action Levels for the Initiating Condition have been exceeded.



## 2. Immediate Actions

- 2.1 Assessment, classification and declaration of any applicable emergency condition should be completed within 15 minutes after the availability of indications or information to cognizant facility staff that an EAL threshold has been exceeded.
- 2.2 Determine the operating mode that existed at the time the event occurred prior to any protection system or operator action initiated in response to the event.
- 2.3 **IF** The unit is at Mode 4 (Hot Shutdown) or higher  
**AND** The condition/event affects fission product barriers,  
**THEN** GO TO Enclosure 4.1, (Fission Product Barrier Matrix).
- 2.3.1 Review the criteria listed in Enclosure 4.1, (Fission Product Barrier Matrix) and make the determination if the event should be classified).
- 2.4 Review the listing of enclosures to determine if the event is applicable to one of the categories shown.
- 2.4.1 **IF** One or more categories are applicable to the event,  
**THEN** Refer to the associated enclosures.
- 2.4.2 Review the EALs and determine if the event should be classified.
- A. **IF** An EAL is applicable to the event,  
**THEN** Classify the event as required.
- 2.5 **IF** The condition requires an emergency classification,  
**THEN** Initiate the following:
- for Control Room - RP/0/B/1000/002, (Control Room Emergency Coordinator Procedure)
  - for TSC - RP/0/A/1000/019, (Technical Support Center Emergency Coordinator Procedure)
  - for EOF - SR/0/A/2000/003, (Activation of the Emergency Operations Facility)
- 2.6 Continue to review the emergency conditions to assure the current classification continues to be applicable.

### 3. Subsequent Actions

- 3.1 Continue to review the emergency conditions to assure the current classification continues to be applicable.

### 4. Enclosures

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# **Enclosure 4.1** **Fission Product Barrier Matrix**

RP/0/A/1000/001  
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**DETERMINE THE APPROPRIATE CLASSIFICATION USING THE TABLE BELOW:**

**ADD POINTS TO CLASSIFY.**

**SEE NOTE BELOW**

RCS BARRIERS (BD 5-7)		FUEL CLAD BARRIERS (BD 8-9)		CONTAINMENT BARRIERS (BD 10-13)	
Potential Loss (4 Points)	Loss (5 Points)	Potential Loss (4 Points)	Loss (5 Points)	Potential Loss (1 Point)	Loss (3 Points)
RCS Leakrate $\geq 160$ gpm	RCS Leak rate that results in a loss of subcooling.	Average of the 5 highest CETC $\geq 700^\circ\text{F}$	Average of the 5 highest CETC $\geq 1200^\circ\text{F}$	CETC $\geq 1200^\circ\text{F} \geq 15$ minutes <u>OR</u> CETC $\geq 700^\circ\text{F} \geq 15$ minutes with a valid RVLS reading 0"	Rapid unexplained containment pressure decrease after increase <u>OR</u> containment pressure or sump level not consistent with LOCA
SGTR $\geq 160$ gpm		Valid RVLS reading of 0"	Coolant activity $\geq 300 \mu\text{Ci/ml DEI}$	RB pressure $\geq 59$ psig <u>OR</u> RB pressure $\geq 10$ psig and no RBCU or RBS	Failure of secondary side of SG results in a direct opening to the environment with SG Tube Leak $\geq 10$ gpm in the <u>SAME</u> SG
Entry into the PTS (Pressurized Thermal Shock) Operation  NOTE: PTS is entered under either of the following: <ul style="list-style-type: none"> <li>A cooldown below <math>400^\circ\text{F}</math> @ <math>&gt; 100^\circ\text{F/hr.}</math> has occurred.</li> <li>HPI has operated in the injection mode while NO RCPs were operating.</li> </ul>	1RIA 57 or 58 reading $\geq 1.0$ R/hr  2 RIA 57 reading $\geq 1.6$ R/hr 2 RIA 58 reading $\geq 1.0$ R/hr  3RIA 57 or 58 reading $\geq 1.0$ R/hr	<div style="border: 1px solid black; padding: 5px;">           NOTE: RVLS is <u>NOT</u> valid if one or more RCPs are running <u>OR</u> if LPI pump(s) are running <u>AND</u> taking suction from the LPI drop line.         </div>	<div>           Hours Since SD      RIA 57 OR RIA 58 R/hr      R/hr         </div> <div>0 - &lt;0.5      <math>\geq 300</math>      <math>\geq 150</math></div> <div>0.5 - &lt; 2.0      <math>\geq 80</math>      <math>\geq 40</math></div> <div>2.0 - 8.0      <math>\geq 32</math>      <math>\geq 16</math></div>	<div>           Hours Since SD      RIA 57 OR RIA 58 R/hr      R/hr         </div> <div>0 - &lt;0.5      <math>\geq 1800</math>      <math>\geq 860</math></div> <div>0.5 - &lt; 2.0      <math>\geq 400</math>      <math>\geq 195</math></div> <div>2.0 - 8.0      <math>\geq 280</math>      <math>\geq 130</math></div>	SG Tube Leak $\geq 10$ gpm exists in one SG. <u>AND</u> the other SG has secondary side failure that results in a direct opening to the environment <u>AND</u> is being fed from the affected unit.
HPI Forced Cooling	RCS pressure spike $\geq 2750$ psig			Hydrogen concentration $\geq 9\%$	Containment isolation is incomplete and a release path to the environment exists
Emergency Coordinator/EOF Director judgment	Emergency Coordinator/EOF Director judgment	Emergency Coordinator/EOF Director judgment	Emergency Coordinator/EOF Director judgment	Emergency Coordinator/EOF Director judgment	Emergency Coordinator/EOF Director judgment
UNUSUAL EVENT (1-3 Total Points)		ALERT (4-6 Total Points)		SITE AREA EMERGENCY (7-10 Total Points)	
<b>OPERATING MODE:</b> 1, 2, 3, 4		<b>OPERATING MODE:</b> 1, 2, 3, 4		<b>OPERATING MODE:</b> 1, 2, 3, 4	
4.1.U.1 Any potential loss of Containment		4.1.A.1 Any potential loss or loss of the RCS		4.1.S.1 Loss of any two barriers	
4.1.U.2 Any loss of containment		4.1.A.2 Any potential loss or loss of the Fuel Clad		4.1.S.2 Loss of one barrier and potential loss of either RCS or Fuel Clad Barriers	
				4.1.S.3 Potential loss of both the RCS and Fuel Clad Barriers	
				4.1.G.1 Loss of any two barriers and potential loss of the third barrier	
				4.1.G.2 Loss of all three barriers	

**NOTE:** An event with multiple events could occur which would result in the conclusion that exceeding the loss or potential loss threshold is IMMINENT (i.e., within 1-3 hours). In this IMMINENT LOSS situation, use judgment and classify as if the thresholds are exceeded.

**Enclosure 4.2  
System Malfunctions**

RP/0/A/10001  
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UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p>1. <b>RCS LEAKAGE (BD 15)</b></p> <hr/> <p><b>OPERATING MODE:</b> 1, 2, 3, 4</p> <p>A. Unidentified leakage <math>\geq</math> 10 gpm</p> <p>B. Pressure boundary leakage <math>\geq</math> 10 gpm</p> <p>C. Identified leakage <math>\geq</math> 25 gpm</p> <ul style="list-style-type: none"> <li>Includes SG tube leakage</li> </ul> <p>2. <b>UNPLANNED LOSS OF MOST OR ALL SAFETY SYSTEM ANNUNCIATION/ INDICATION IN CONTROL ROOM FOR &gt; 15 MINUTES (BD 16)</b></p> <hr/> <p><b>OPERATING MODE:</b> 1, 2, 3, 4</p> <p>A. <i>Unplanned</i> loss of &gt; 50% of the following annunciators on one unit for &gt; 15 minutes:</p> <p><u>Units 1 &amp; 3</u> 1 SA1, 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, 16, &amp; 18 3 SA1, 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, 16, &amp; 18</p> <p><u>Unit 2</u> 2 SA1, 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, &amp; 16</p> <p><b>AND</b></p> <p>Loss of annunciators or indicators requires additional personnel (beyond normal shift complement) to safely operate the unit</p> <p align="center">(CONTINUED)</p>	<p>1. <b>UNPLANNED LOSS OF MOST OR ALL SAFETY SYSTEM ANNUNCIATION/ INDICATION IN CONTROL ROOM (BD 20)</b></p> <hr/> <p><b>OPERATING MODE:</b> 1, 2, 3, 4</p> <p>A. <i>Unplanned</i> loss of &gt; 50% of the following annunciators on one unit for &gt; 15 minutes:</p> <p><u>Units 1 &amp; 3</u> 1 SA1, 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, 16, &amp; 18 3 SA1, 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, 16, &amp; 18</p> <p><u>Unit 2</u> 2 SA1, 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, &amp; 16</p> <p><b>AND</b></p> <p>Loss of annunciators or indicators requires additional personnel (beyond normal shift complement) to safely operate the unit</p> <p><b>AND</b></p> <p><i>Significant plant transient in progress</i></p> <p><b>OR</b></p> <p>Loss of the OAC and ALL PAM indications</p> <p align="center">(END)</p>	<p>1. <b>INABILITY TO MONITOR A SIGNIFICANT TRANSIENT IN PROGRESS (BD 22)</b></p> <hr/> <p><b>OPERATING MODE:</b> 1, 2, 3, 4</p> <p>A. <i>Unplanned</i> loss of &gt; 50% of the following annunciators on one unit for &gt; 15 minutes:</p> <p><u>Units 1 &amp; 3</u> 1 SA1, 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, 16, &amp; 18 3 SA1, 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, 16, &amp; 18</p> <p><u>Unit 2</u> 2 SA1, 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, &amp; 16</p> <p><b>AND</b></p> <p><i>A significant transient is in progress</i></p> <p><b>AND</b></p> <p>Loss of the OAC and ALL PAM indications</p> <p><b>AND</b></p> <p><i>Inability to directly monitor any one of the following functions:</i></p> <ol style="list-style-type: none"> <li>Subcriticality</li> <li>Core Cooling</li> <li>Heat Sink</li> <li>RCS Integrity</li> <li>Containment Integrity</li> <li>RCS Inventory</li> </ol> <p align="center">(END)</p>	

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p>3. <b>INABILITY TO REACH REQUIRED SHUTDOWN WITHIN LIMITS (BD 17)</b></p> <hr/> <p><b>OPERATING MODE:</b> 1, 2, 3, 4</p> <p>A. Required operating mode not reached within TS LCO action statement time</p>			
<p>4. <b>UNPLANNED LOSS OF ALL ONSITE OR OFFSITE COMMUNICATIONS (BD 18)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Loss of all onsite communications capability (Plant phone system, PA system, Pager system, Onsite Radio system) affecting ability to perform Routine operations</p> <p>B. Loss of all onsite communications capability (Selective Signaling, NRC ETS lines, Offsite Radio System, AT&amp;T line) affecting ability to communicate with offsite authorities.</p>			
<p>5. <b>FUEL CLAD DEGRADATION (BD 19)</b></p> <hr/> <p><b>OPERATING MODE:</b> All:</p> <p>A. DEI - &gt;5<math>\mu</math>Ci/ml</p> <p>(END)</p>			

**Enclosure 4.3**  
**Abnormal Rad Levels/Radiological Effluent**

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UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p>1. ANY UNPLANNED RELEASE OF GASEOUS OR LIQUID RADIOACTIVITY TO THE ENVIRONMENT THAT EXCEEDS TWO TIMES THE SLC LIMITS FOR 60 MINUTES OR LONGER (BD 25)</p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Valid indication on radiation monitor RIA 33 of <math>\geq 4.06E+06</math> cpm for &gt; 60 minutes (See Note 1)</p> <p>B. Valid indication on radiation monitor RIA-45 of <math>\geq 9.35E+05</math> cpm or RP sample reading of <math>\geq 6.62E-2</math> uCi/ml Xe 133 eq for &gt; 60 minutes (See Note 1)</p> <p>C. Liquid effluent being released exceeds two times SLC 16.11.1 for &gt; 60 minutes as determined by Chemistry Procedure</p> <p>D. Gaseous effluent being released exceeds two times SLC 16.11.2 for &gt; 60 minutes as determined by RP Procedure</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><b>NOTE 1:</b> If monitor reading is sustained for the time period indicated in the EAL <b>AND</b> the required assessments (procedure calculations) cannot be completed within this period, declaration must be made on the valid Radiation Monitor reading.</p> </div> <p style="text-align: center;">(CONTINUED)</p>	<p>1. ANY UNPLANNED RELEASE OF GASEOUS OR LIQUID RADIOACTIVITY TO THE ENVIRONMENT THAT EXCEEDS 200 TIMES RADIOLOGICAL TECHNICAL SPECIFICATIONS FOR 15 MINUTES OR LONGER (BD 30)</p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Valid indication of RIA-46 of <math>\geq 2.09E+04</math> cpm or RP sample reading of <math>\geq 6.62</math> uCi/ml Xe 133 eq for &gt; 15 minutes. (See Note 1)</p> <p>B. RIA 33 HIGH Alarm</p> <p><b>AND</b></p> <p>Liquid effluent being released exceeds 200 times the level of SLC 16.11.1 for &gt; 15 minutes as determined by Chemistry Procedure</p> <p>C. Gaseous effluent being released exceeds 200 times the level of SLC 16.11.2 for &gt; 15 minutes as determined by RP Procedure</p> <p style="text-align: center;">(CONTINUED)</p>	<p>1. BOUNDARY DOSE RESULTING FROM ACTUAL/IMMINENT RELEASE OF GASEOUS ACTIVITY (BD 35)</p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Valid reading on RIA 46 of <math>\geq 2.09E+05</math> cpm or RIA 56 reading of <math>\geq 17.5</math> R/hr or RP sample reading of <math>6.62E+01</math> uCi/ml Xe 133 eq for &gt; 15 minutes (See Note 2)</p> <p>B. Valid reading on RIA 57 or 58 as shown on Enclosure 4.8 (See Note 2)</p> <p>C. Dose calculations result in a dose projection at the <i>site boundary</i> of:</p> <p style="padding-left: 40px;"><math>\geq 100</math> mRem TEDE or 500 mRem CDE adult thyroid</p> <p>D. Field survey results indicate <i>site boundary</i> dose rates exceeding <math>\geq 100</math> mRad/hr expected to continue for more than one hour</p> <p><b>OR</b></p> <p>Analyses of field survey samples indicate adult thyroid dose commitment of <math>\geq 500</math> mRem CDE (<math>3.84 E^{-7}</math> uCi/ml) for one hour of inhalation</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><b>NOTE 2:</b> If actual Dose Assessment cannot be completed within 15 minutes, then the valid radiation monitor reading should be used for emergency classification.</p> </div> <p style="text-align: center;">(CONTINUED)</p>	<p>1. BOUNDARY DOSE RESULTING FROM ACTUAL/IMMINENT RELEASE OF GASEOUS ACTIVITY (BD 39)</p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Valid reading on RIA 46 of <math>\geq 2.09E+06</math> cpm or RIA 56 reading of <math>\geq 175</math> R/hr or RP sample reading of <math>6.62E+02</math> uCi/ml Xe 133 eq for <math>\geq 15</math> minutes (See Note 3)</p> <p>B. Valid reading on RIA 57 or 58 as shown on Enclosure 4.8 (See Note 3)</p> <p>C. Dose calculations result in a dose projection at the <i>site boundary</i> of:</p> <p style="padding-left: 40px;"><math>\geq 1000</math> mRem TEDE</p> <p><b>OR</b></p> <p style="padding-left: 40px;"><math>\geq 5000</math> mRem CDE adult thyroid</p> <p>D. Field survey results indicate <i>site boundary</i> dose rates exceeding <math>\geq 1000</math> mRad/hr expected to continue for more than one hour</p> <p><b>OR</b></p> <p>Analyses of field survey samples indicate adult thyroid dose commitment of <math>\geq 5000</math> mRem CDE for one hour of inhalation</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><b>NOTE 3:</b> If actual Dose Assessment cannot be completed within 15 minutes, then the valid radiation monitor reading should be used for emergency classification.</p> </div> <p style="text-align: center;">(END)</p>

**Enclosure 4.3**  
**Abnormal Rad Levels/Radiological Effluent**

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UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p><b>2 UNEXPECTED INCREASE IN PLANT RADIATION OR AIRBORNE CONCENTRATION (BD 27)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. LT 5 reading 14" and decreasing with makeup not keeping up with leakage <b>WITH</b> fuel in the core</p> <p>B. Valid indication of <i>uncontrolled</i> water decrease in the SFP or fuel transfer canal with all fuel assemblies remaining covered by water</p> <p><b>AND</b></p> <p>Unplanned <i>Valid</i> RIA 3, 6 or Portable Area Monitor readings increase.</p> <p>C. 1 R/hr radiation reading at one foot away from a damaged storage cask located at the ISFSI</p> <p>D. <i>Valid</i> area monitor readings exceeds limits stated in Enclosure 4.9.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>NOTE:</b> This Initiating Condition is also located in Enclosure 4.4., (Loss of Shutdown Functions). High radiation levels will also be seen with this condition.</p> </div> <p style="text-align: center; margin-top: 20px;">(END)</p>	<p><b>2. RELEASE OF RADIOACTIVE MATERIAL OR INCREASES IN RADIATION LEVELS THAT IMPEDES OPERATION OF SYSTEMS REQUIRED TO MAINTAIN SAFE OPERATION OR TO ESTABLISH OR MAINTAIN COLD SHUTDOWN (BD 32)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. <i>Valid</i> radiation reading <math>\geq 15</math> mRad/hr in CR, CAS, or Radwaste CR</p> <p>B. <i>Unplanned/unexpected valid</i> area monitor readings exceed limits stated in Enclosure 4.9</p> <p><b>3. MAJOR DAMAGE TO IRRADIATED FUEL OR LOSS OF WATER LEVEL THAT HAS OR WILL RESULT IN THE UNCOVERING OF IRRADIATED FUEL OUTSIDE THE REACTOR VESSEL (BD 33)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. <i>Valid</i> RIA 3*, 6, 41, OR 49* <b>HIGH</b> Alarm</p> <p style="text-align: center;">* - Applies to Mode 6 and No Mode Only</p> <p>B. <b>HIGH</b> Alarm for portable area monitors on the main bridge or SFP bridge</p> <p>C. Report of visual observation of irradiated fuel uncovered</p> <p>D. Operators determine water level drop in either the SFP or fuel transfer canal will exceed makeup capacity such that irradiated fuel will be uncovered</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>NOTE:</b> This Initiating Condition is also located in Enclosure 4.4., (Loss of Shutdown Functions). High radiation levels will also be seen with this condition.</p> </div> <p style="text-align: center; margin-top: 10px;">(END)</p>	<p><b>2. LOSS OF WATER LEVEL IN THE REACTOR VESSEL THAT HAS OR WILL UNCOVER FUEL IN THE REACTOR VESSEL (BD 38)</b></p> <hr/> <p><b>OPERATING MODE:</b> 5, 6</p> <p>A. Loss of all decay heat removal as indicated by the inability to maintain RCS temperature below 200° F</p> <p><b>AND</b></p> <p>LT 5 indicates 0 inches after initiation of RCS makeup</p> <p>B. Loss of all decay heat removal as indicated by the inability to maintain RCS temperature below 200° F</p> <p><b>AND</b></p> <p>Either train ultrasonic level indication less than 0 inches and decreasing after initiation of RCS makeup</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>NOTE:</b> This Initiating Condition is also located in Enclosure 4.4., (Loss of Shutdown Functions). High radiation levels will also be seen with this condition.</p> </div> <p style="text-align: center; margin-top: 20px;">(END))</p>	

**Enclosure 4.4**  
**Loss of Shutdown Functions**

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UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
(CONTINUE TO NEXT PAGE)	<p><b>1. FAILURE OF RPS TO COMPLETE OR INITIATE A Rx SCRAM (BD 44)</b></p> <hr/> <p><u>OPERATING MODE</u> 1, 2, 3</p> <p>A. Valid reactor trip signal received or required <u>WITHOUT</u> automatic scram</p> <p><u>AND</u></p> <p>DSS has inserted Control Rods</p> <p><u>OR</u></p> <p>Manual trip from the Control Room is successful and reactor power is less than 5% and decreasing</p>	<p><b>1. FAILURE OF RPS TO COMPLETE OR INITIATE A Rx SCRAM (BD 50)</b></p> <hr/> <p><u>OPERATING MODE:</u> 1, 2</p> <p>A. Valid reactor trip signal received or required <u>WITHOUT</u> automatic scram</p> <p><u>AND</u></p> <p>DSS has <u>NOT</u> inserted Control Rods</p> <p><u>AND</u></p> <p>Manual trip from the Control Room was <u>NOT</u> successful in reducing reactor power to less than 5% and decreasing</p>	<p><b>1. FAILURE OF RPS TO COMPLETE</b></p> <hr/> <p><u>OPERATING MODE:</u> 1, 2</p> <p>A. Valid Rx trip signal received or required <u>WITHOUT</u> automatic scram</p> <p><u>AND</u></p> <p>Manual trip from the Control Room was <u>NOT</u> successful in reducing reactor power to &lt; 5% and decreasing</p> <p><u>AND</u></p> <p>Average of the 5 highest CETCs <math>\geq 1200^{\circ}</math> F on ICCM</p> <p align="right">(END)</p>
	<p><b>2. INABILITY TO MAINTAIN PLANT IN MODE 5 (COLD SHUTDOWN) (BD 46)</b></p> <hr/> <p><u>OPERATING MODE:</u> 5, 6</p> <p>A. Loss of LPI and/or LPSW</p> <p><u>AND</u></p> <p>Inability to maintain RCS temperature below <math>200^{\circ}</math> F as indicated by either of the following:</p> <p>RCS temperature at the LPI Pump Suction</p> <p><u>OR</u></p> <p>Average of the 5 highest CETCs as indicated by ICCM display</p> <p><u>OR</u></p> <p>Visual observation</p> <p align="center">(CONTINUED)</p>	<p><b>2. COMPLETE LOSS OF FUNCTION NEEDED TO ACHIEVE OR MAINTAIN MODE 4 (HOT SHUTDOWN) (BD 51)</b></p> <hr/> <p><u>OPERATING MODE:</u> 1, 2, 3, 4</p> <p>A. Average of the 5 highest CETCs <math>\geq 1200^{\circ}</math> F shown on ICCM</p> <p>B. Unable to maintain reactor subcritical</p> <p>C. EOP directs feeding SG from SSF ASWP or station ASWP</p> <p align="center">(CONTINUED)</p>	



**Enclosure 4.4**  
**Loss of Shutdown Functions**

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UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p>1. <b>UNEXPECTED INCREASE IN PLANT RADIATION OR AIRBORNE CONCENTRATION (BD 42)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. LT 5 reading 14" and decreasing with makeup not keeping up with leakage <b>WITH</b> fuel in the core</p> <p>B. <i>Valid</i> indication of <i>uncontrolled</i> water decrease in the SFP or fuel transfer canal with all fuel assemblies remaining covered by water</p> <p><b>AND</b></p> <p><i>Unplanned Valid</i> RIA 3, 6 or Portable Area Monitor readings increase.</p> <p>C. 1 R/hr radiation reading at one foot away from a damaged storage cask located at the ISFSI</p> <p>D. <i>Valid</i> area monitor readings exceeds limits stated in Enclosure 4.9.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>NOTE:</b> This Initiating Condition is also located in Enclosure 4.3., (Abnormal Rad Levels/Radiological Effluent). High radiation levels will also be seen with this condition.</p> </div> <p align="center"><b>(END)</b></p>	<p>3. <b>MAJOR DAMAGE TO IRRADIATED FUEL OR LOSS OF WATER LEVEL THAT HAS OR WILL RESULT IN THE UNCOVERING OF IRRADIATED FUEL OUTSIDE THE REACTOR VESSEL (BD 48)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. <i>Valid</i> RIA 3*, 6, 41, OR 49* <b>HIGH</b> Alarm</p> <p>*Applies to Mode 6 and No Mode Only</p> <p>B. <b>HIGH</b> Alarm for portable area monitors on the main bridge or SFP bridge</p> <p>C. Report of visual observation of irradiated fuel uncovered</p> <p>D. Operators determine water level drop in either the SFP or fuel transfer canal will exceed makeup capacity such that irradiated fuel will be uncovered</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>NOTE:</b> This Initiating Condition is also located in Enclosure 4.3, (Abnormal Rad Levels/Radiological Effluent). High radiation levels will also be seen with this condition.</p> </div> <p align="center"><b>(END)</b></p>	<p>3. <b>LOSS OF WATER LEVEL IN THE REACTOR VESSEL THAT HAS OR WILL UNCOVER FUEL IN THE REACTOR VESSEL (BD 52)</b></p> <hr/> <p><b>OPERATING MODE:</b> 5, 6</p> <p>A. Loss of all decay heat removal as indicated by the inability to maintain RCS temperature below 200° F</p> <p><b>AND</b></p> <p>LT-5 indicates 0 inches after initiation of RCS Makeup</p> <p>B. Loss of all decay heat removal as indicated by the inability to maintain RCS temperature below 200° F</p> <p><b>AND</b></p> <p>Either train ultrasonic level indication less than 0 inches and decreasing after initiation of RCS makeup</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>NOTE:</b> This Initiating Condition is also located in Enclosure 4.3, (Abnormal Rad Levels/Radiological Effluent). High radiation levels will also be seen with this condition.</p> </div> <p align="center"><b>(END)</b></p>	

**Enclosure 4.5**  
**Loss of Power** (4)

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UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p>1. <b>LOSS OF ALL OFFSITE POWER TO ESSENTIAL BUSES FOR GREATER THAN 15 MINUTES (BD 55)</b></p> <p><u>OPERATING MODE:</u> All</p> <p>A. Unit auxiliaries are being supplied from Keowee or CT5</p> <p><u>AND</u></p> <p>Inability to energize <u>either</u> MFB from an offsite source (either switchyard) within 15 minutes.</p>	<p>1. <b>LOSS OF ALL OFFSITE AC POWER AND LOSS OF ALL ONSITE AC POWER TO ESSENTIAL BUSES (BD 57)</b></p> <p><u>OPERATING MODE:</u> 5, 6 Defueled</p> <p>A. MFB 1 and 2 de-energized</p> <p><u>AND</u></p> <p>Failure to restore power to at least one MFB within 15 minutes from the time of loss of both offsite and onsite AC power</p>	<p>1. <b>LOSS OF ALL OFFSITE AC POWER AND LOSS OF ALL ONSITE AC POWER TO ESSENTIAL BUSES (BD 59)</b></p> <p><u>OPERATING MODE:</u> 1, 2, 3, 4</p> <p>A. MFB 1 and 2 de-energized</p> <p><u>AND</u></p> <p>Failure to restore power to at least one MFB within 15 minutes from the time of loss of both offsite and onsite AC power</p>	<p>1. <b>PROLONGED LOSS OF ALL OFFSITE POWER AND ONSITE AC POWER (BD 62)</b></p> <p><u>OPERATING MODE:</u> 1, 2, 3, 4</p> <p>A. MFB 1 and 2 de-energized</p> <p><u>AND</u></p> <p>SSF fails to maintain Mode 3 (Hot Standby) {1}</p> <p><u>AND</u></p> <p>At least one of the following conditions exist:</p> <p>Restoration of power to at least one MFB within 4 hours is <b>NOT</b> likely</p> <p><u>OR</u></p> <p>Indications of continuing degradation of core cooling based on Fission Product Barrier monitoring</p> <p align="center">(END)</p>
<p>2. <b>UNPLANNED LOSS OF REQUIRED DC POWER FOR GREATER THAN 15 MINUTES (BD 56)</b></p> <p><u>OPERATING MODE:</u> 5, 6</p> <p>A. <i>Unplanned</i> loss of vital DC power to required DC busses as indicated by bus voltage less than 110 VDC</p> <p><u>AND</u></p> <p>Failure to restore power to at least one required DC bus within 15 minutes from the time of loss</p> <p align="center">(END)</p>	<p>2. <b>AC POWER CAPABILITY TO ESSENTIAL BUSES REDUCED TO A SINGLE SOURCE FOR GREATER THAN 15 MINUTES (BD 58)</b></p> <p><u>OPERATING MODE:</u> 1, 2, 3, 4</p> <p>A. AC power capability has been degraded to a single power source for &gt; 15 minutes due to the loss of all but one of the following:</p> <p>Unit Normal Transformer (backcharged) Unit SU Transformer Another Unit SU Transformer (aligned) CT4 CT5</p> <p align="center">(END)</p>	<p>2. <b>LOSS OF ALL VITAL DC POWER (BD 60)</b></p> <p><u>OPERATING MODE:</u> 1, 2, 3, 4</p> <p>A. <i>Unplanned</i> loss of <i>vital</i> DC power to required DC busses as indicated by bus voltage less than 110 VDC</p> <p><u>AND</u></p> <p>Failure to restore power to at least one required DC bus within 15 minutes from the time of loss</p> <p align="center">(END)</p>	

**Loss of Power** - Emergency Action Levels (EALs) apply to the ability of electrical energy to perform its intended function, reach its intended equipment. ex. - If both MFBs, are energized but all 4160V switchgear is not available, the electrical energy can not reach the motors intended. The result to the plant is the same as if both MFBs were de-energized. {4}

Enclosure 4.6  
Fire/Explosions and Security Actions

(2) (3)

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UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p>1. <b>FIRES/EXPLOSIONS WITHIN THE PLANT (BD 65)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><b>NOTE:</b> Within the plant means:</p> <ul style="list-style-type: none"> <li>Turbine Building</li> <li>Auxiliary Building</li> <li>Reactor Building</li> <li>Keowee Hydro</li> <li>Transformer Yard</li> <li>B3T</li> <li>B4T</li> <li>Service Air Diesel Compressors</li> <li>Keowee Hydro &amp; associated Transformers</li> <li>SSF</li> </ul> </div> <p>A. Fire within the plant not extinguished within 15 minutes of Control Room notification or verification of a Control Room alarm</p> <p>B. Unanticipated <i>explosion</i> within the plant resulting in <i>visible damage</i> to permanent structures/equipment</p> <ul style="list-style-type: none"> <li>• includes steam line break and FDW line break</li> </ul> <p style="text-align: center;">(Continued)</p>	<p>1. <b>FIRE/EXPLOSION AFFECTING OPERABILITY OF PLANT SAFETY SYSTEMS REQUIRED TO ESTABLISH/MAINTAIN SAFE SHUTDOWN (BD 70)</b></p> <hr/> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><b>NOTE:</b> Only one train of a system needs to be affected or damaged in order to satisfy this condition.</p> </div> <p>A. <i>Fire/explosions</i></p> <p><b>AND</b></p> <p>Affected safety-related system parameter indications show degraded performance</p> <p style="text-align: center;"><b>OR</b></p> <p>Plant personnel report <i>visible damage</i> to permanent structures or equipment required for safe shutdown</p> <p style="text-align: center;">(Continued)</p>	(CONTINUE TO NEXT PAGE)	(CONTINUE TO NEXT PAGE)

**Enclosure 4.6**  
**Fire/Explosions and Security Actions**

{2} {3}

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UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p>2. <b>CONFIRMED SECURITY CONDITION OR THREAT WHICH INDICATES A POTENTIAL DEGRADATION IN THE LEVEL OF SAFETY OF THE PLANT (BD 67)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Security condition that does not involve a HOSTILE ACTION as reported by the Security Shift Supervision.</p> <p>B. A <i>credible</i> site-specific security threat notification</p> <p>C. A validated notification from NRC providing information of an aircraft threat</p> <p>3. <b>OTHER CONDITIONS EXIST WHICH IN THE JUDGEMENT OF THE EMERGENCY DIRECTOR WARRANT DECLARATION OF A NOUE. (BD 69)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant or indicate a security threat to facility protection has been initiated. No releases of radioactive material requiring off-site response or monitoring are expected unless further degradation of safety systems occurs.</p> <p align="center">(END)</p>	<p>2. <b>HOSTILE ACTION WITHIN THE OWNER CONTROLLED AREA OR AIRBORNE ATTACK THREAT. (BD 72)</b></p> <hr/> <p>A. A HOSTILE ACTION is occurring or has occurred within the OWNER CONTROLLED AREA as reported by the Security Shift Supervision.</p> <p>B. A validated notification from NRC of an AIRLINER attack threat within 30 minutes of the site.</p> <p>3. <b>OTHER CONDITIONS EXIST WHICH IN THE JUDGEMENT OF THE EMERGENCY DIRECTOR WARRANT DECLARATION OF AN ALERT (BD 75)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.</p> <p align="center">(END)</p>	<p>1. <b>HOSTILE ACTION within the PROTECTED AREA (BD 76)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. A HOSTILE ACTION is occurring or has occurred within the PROTECTED AREA as reported by the Security Shift Supervision.</p> <p>2. <b>OTHER CONDITIONS EXIST WHICH IN THE JUDGEMENT OF THE EMERGENCY DIRECTOR WARRANT DECLARATION OF A SITE AREA EMERGENCY. (BD 78)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve actual or likely major failures of plant functions needed for protection of the public or HOSTILE ACTION that results in intentional damage or malicious acts; (1) toward site personnel or equipment that could lead to the likely failure of or; (2) that prevent effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the site boundary.</p> <p align="center">(END)</p>	<p>1. <b>A HOSTILE ACTION RESULTING IN LOSS OF PHYSICAL CONTROL OF THE FACILITY (BD 79)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. A HOSTILE ACTION has occurred such that plant personnel are unable to operate equipment required to maintain safety functions</p> <p>B. A HOSTILE ACTION has caused failure of Spent Fuel Cooling Systems and IMMINENT fuel damage is likely for a freshly off-loaded reactor core in pool.</p> <p>2. <b>OTHER CONDITIONS EXIST WHICH IN THE JUDGMENT OF THE EMERGENCY DIRECTOR WARRANT DECLARATION OF A GENERAL EMERGENCY. (BD 81)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Other conditions exist which in the judgment of the Emergency Director indicate that events are in progress or have occurred which involve actual or IMMINENT substantial core degradation or melting with potential for loss of containment integrity or HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels off-site for more than the immediate site area.</p> <p align="center">(END)</p>

## Natural Disasters, Hazards and Other Conditions Affecting Plant Safety

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p>1. NATURAL AND DESTRUCTIVE PHENOMENA AFFECTING THE PROTECTED AREA (BD 83)</p> <hr/> <p><u>OPERATING MODE:</u> All</p> <p>A. Tremor felt and <i>valid</i> alarm on the strong motion accelerometer</p> <p>B. Tornado striking within <i>Protected Area</i> Boundary</p> <p>C. Vehicle crash into plant structures/systems within the <i>Protected Area</i> Boundary</p> <p>D. Turbine failure resulting in casing penetration or damage to turbine or generator seals</p> <p>(CONTINUED)</p>	<p>1. NATURAL AND DESTRUCTIVE PHENOMENA AFFECTING THE PLANT VITAL AREA (BD 89)</p> <hr/> <p><u>OPERATING MODE:</u> All</p> <p>A. Tremor felt and seismic trigger actuates (0.05g)</p> <hr/> <p><u>NOTE:</u> Only one train of a safety-related system needs to be affected or damaged in order to satisfy these conditions.</p> <p>B. Tornado, high winds, missiles resulting from turbine failure, vehicle crashes, or other catastrophic event.</p> <p><u>AND</u></p> <p><i>Visible damage</i> to permanent structures or equipment required for safe shutdown of the unit.</p> <p><u>OR</u></p> <p>Affected safety system parameter indications show degraded performance.</p> <p>(CONTINUED)</p>	<p>(CONTINUE TO NEXT PAGE)</p>	<p>(CONTINUE TO NEXT PAGE)</p>

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p><b>2. NATURAL AND DESTRUCTIVE PHENOMENA AFFECTING KEOWEE HYDRO CONDITION B (BD 85)</b></p> <hr/> <p><b><u>OPERATING MODE:</u></b> All</p> <p>A. Reservoir elevation <math>\geq 805.0</math> feet with all spillway gates open and the lake elevation continues to rise</p> <p>B. Seepage readings increase or decrease greatly or seepage water is carrying a significant amount of soil particles</p> <p>C. New area of seepage or wetness, with large amounts of seepage water observed on dam, dam toe, or the abutments</p> <p>D. Slide or other movement of the dam or abutments which could develop into a failure</p> <p>E. Developing failure involving the powerhouse or appurtenant structures and the operator believes the safety of the structure is questionable</p> <p><b>3. NATURAL AND DESTRUCTIVE PHENOMENA AFFECTING JOCASSEE HYDRO CONDITION B (BD 86)</b></p> <hr/> <p><b><u>OPERATING MODE:</u></b> All</p> <p>A. Condition B has been declared for the Jocassee Dam</p> <p>(CONTINUED)</p>	<p><b>2. RELEASE OF TOXIC/FLAMMABLE GASES JEOPARDIZING SYSTEMS REQUIRED TO MAINTAIN SAFE OPERATION OR ESTABLISH/ MAINTAIN MODE 5 (COLD SHUTDOWN) (BD 91)</b></p> <hr/> <p><b><u>OPERATING MODE:</u></b> All</p> <p>A. Report/detection of <i>toxic</i> gases in concentrations that will be life-threatening to plant personnel</p> <p>B. Report/detection of <i>flammable</i> gases in concentrations that will affect the safe operation of the plant:</p> <ul style="list-style-type: none"> <li>Reactor Building</li> <li>Auxiliary Building</li> <li>Turbine Building</li> <li>Control Room</li> </ul> <p><b>3. TURBINE BUILDING FLOOD (BD 93)</b></p> <hr/> <p><b><u>OPERATING MODE:</u></b> All</p> <p>A. Turbine Building flood requiring use of AP/1,2,3/A/1700/10, (Turbine Building Flood)</p> <p><b>4. CONTROL ROOM EVACUATION HAS BEEN INITIATED (BD 94)</b></p> <hr/> <p><b><u>OPERATING MODE:</u></b> All</p> <p>A. Evacuation of Control Room</p> <p><b><u>AND ONE OF THE FOLLOWING:</u></b></p> <p><b><u>AND</u></b></p> <p>Plant control <b>IS</b> established from the Aux shutdown Panel or the SSF</p> <p><b><u>OR</u></b></p> <p>Plant control <b>IS BEING</b> established from the Aux Shutdown Panel or SSF</p> <p>(CONTINUED)</p>	<p><b>1. CONTROL ROOM EVACUATION AND PLANT CONTROL CANNOT BE ESTABLISHED (BD 96)</b></p> <hr/> <p><b><u>OPERATING MODE:</u></b> All</p> <p>A. Control Room evacuation has been initiated</p> <p><b><u>AND</u></b></p> <p>Control of the plant cannot be established from the Aux Shutdown Panel or the SSF within 15 minutes</p> <p><b>2. KEOWEE HYDRO DAM FAILURE (BD 97)</b></p> <hr/> <p><b><u>OPERATING MODE:</u></b> All</p> <p>A. Imminent/actual dam failure exists involving any of the following:</p> <ul style="list-style-type: none"> <li>Keowee Hydro Dam</li> <li>Little River Dam</li> <li>Dikes A, B, C, or D</li> <li>Intake Canal Dike</li> <li>Jocassee Dam - Condition A</li> </ul> <p>(CONTINUED)</p>	<p>(CONTINUE TO NEXT PAGE)</p>

Enclosure 4.7  
Natural Disasters, Hazards and Other Conditions Affecting Plant Safety

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UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<p><b>4. RELEASE OF TOXIC OR FLAMMABLE GASES DEEMED DETRIMENTAL TO SAFE OPERATION OF THE PLANT (BD 87)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Report/detection of toxic or flammable gases that could enter within the site area boundary in amounts that can affect normal operation of the plant</p> <p>B. Report by local, county, state officials for potential evacuation of site personnel based on offsite event</p>	<p><b>5. OTHER CONDITIONS WARRANT CLASSIFICATION OF AN ALERT (BD 95)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Emergency Coordinator judgment indicates that:</p> <p style="padding-left: 40px;">Plant safety may be degraded</p> <p><b>AND</b></p> <p style="padding-left: 40px;">Increased monitoring of plant functions is warranted</p> <p style="text-align: center;">(END)</p>	<p><b>3. OTHER CONDITIONS WARRANT DECLARATION OF SITE AREA EMERGENCY (BD 98)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Emergency Coordinator/EOF Director judgment</p> <p style="text-align: center;">(END)</p>	<p><b>1. OTHER CONDITIONS WARRANT DECLARATION OF GENERAL EMERGENCY (BD 99)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Emergency Coordinator/EOF Director judgment indicates:</p> <p style="padding-left: 40px;">Actual/imminent substantial core degradation with potential for loss of containment</p> <p><b>OR</b></p> <p style="padding-left: 40px;">Potential for <i>uncontrolled</i> radionuclide releases that would result in a dose projection at the site boundary greater than 1000 mRem TEDE or 5000 mRem CDE Adult Thyroid</p> <p style="text-align: center;">(END)</p>
<p><b>5. OTHER CONDITIONS EXIST WHICH WARRANT DECLARATION OF AN UNUSUAL EVENT (BD 88)</b></p> <hr/> <p><b>OPERATING MODE:</b> All</p> <p>A. Emergency Coordinator determines potential degradation of level of safety has occurred</p> <p style="text-align: center;">(END)</p>			

**Enclosure 4.8**  
**Radiation Monitor Readings for Emergency Classification**

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All RIA values are considered GREATER THAN or EQUAL TO

HOURS SINCE REACTOR TRIPPED	RIA 57 R/hr		RIA 58 R/hr*	
	Site Area Emergency	General Emergency	Site Area Emergency	General Emergency
0.0 - < 0.5	5.9E+003	5.9E+004	2.6E+003	2.6E+004
0.5 - < 1.0	2.6E+003	2.6E+004	1.1E+003	1.1E+004
1.0 - < 1.5	1.9E+003	1.9E+004	8.6E+002	8.6E+003
1.5 - < 2.0	1.9E+003	1.9E+004	8.5E+002	8.5E+003
2.0 - < 2.5	1.4E+003	1.4E+004	6.3E+002	6.3E+003
2.5 - < 3.0	1.2E+003	1.2E+004	5.7E+002	5.7E+003
3.0 - < 3.5	1.1E+003	1.1E+004	5.2E+002	5.2E+003
3.5 - < 4.0	1.0E+003	1.0E+004	4.8E+002	4.8E+003
4.0 - < 8.0	1.0E+003	1.0E+004	4.4E+002	4.4E+003

\* RIA 58 is partially shielded



**Enclosure 4.9**  
**Unexpected/Unplanned Increase In Area Monitor Readings**

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**NOTE:** This Initiating Condition is not intended to apply to anticipated temporary increases due to planned events (e.g.; incore detector movement, radwaste container movement, depleted resin transfers, etc.).

MONITOR NUMBER	UNITS 1, 2, 3	
	UNUSUAL EVENT 1000x NORMAL LEVELS mRAD/HR	ALERT mRAD/HR
RIA 7, Hot Machine Shop Elevation 796	150	≥ 5000
RIA 8, Hot Chemistry Lab Elevation 796	4200	≥ 5000
RIA 10, Primary Sample Hood Elevation 796	830	≥ 5000
RIA 11, Change Room Elevation 796	210	≥ 5000
RIA 12, Chem Mix Tank Elevation 783	800	≥ 5000
RIA 13, Waste Disposal Sink Elevation 771	650	≥ 5000
RIA 15, HPI Room Elevation 758	NOTE*	≥ 5000

**NOTE:** RIA 15 normal readings are approximately 9 mRad/hr on a daily basis. Applying 1000x normal readings would put this monitor greater than 5000 mRad/hr just for an *Unusual Event*. For this reason, an *Unusual Event* will **NOT** be declared for a reading less than 5000 mRad/hr.

## 1. List of Definitions and Acronyms

**NOTE:** Definitions are italicized throughout procedure for easy recognition.

- 1.1 **ALERT** - Events are in process or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.
- 1.2 **BOMB** - Refers to an explosive device suspected of having sufficient force to damage plant systems or structures.
- 1.3 **COGNIZANT FACILITY STAFF** - any member of facility staff, who by virtue of training and experience, is qualified to assess the indications or reports for validity and to compare the same to the EALs in the licensee's emergency classification scheme. (Does not include staff whose positions require they report, rather than assess, abnormal conditions to the facility.)
- 1.4 **CONDITION A** - Failure is Imminent or Has Occurred - A failure at the dam has occurred or is about to occur and minutes to days may be allowed to respond dependent upon the proximity to the dam.
- 1.5 **CONDITION B** - Potentially Hazardous Situation is Developing - A situation where failure may develop, but preplanned actions taken during certain events (such as major floods, earthquakes, evidence of piping) may prevent or mitigate failure.
- 1.6 **CIVIL DISTURBANCE** - A group of persons violently protesting station operations or activities at the site.
- 1.7 **EXPLOSION** - A rapid, violent, unconfined combustion, or catastrophic failure of pressurized/energized equipment that imparts energy of sufficient force to potentially damage permanent structures, systems, or components.
- 1.7 **EXTORTION** - An attempt to cause an action at the station by threat of force.
- 1.8 **FIRE** - Combustion characterized by heat and light. Sources of smoke, such as slipping drive belts or overheated electrical equipment, do NOT constitute *fires*. Observation of flames is preferred but is NOT required if large quantities of smoke and heat are observed.
- 1.9 **FRESHLY OFF-LOADED CORE** - The complete removal and relocation of all fuel assemblies from the reactor core and placed in the spent fuel pool. (Typical of a "No Mode" operation during a refuel outage that allows safety system maintenance to occur and results in maximum decay heat load in the spent fuel pool system).

- 1.10 **GENERAL EMERGENCY** - Events are in process or have occurred which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity or **HOSTILE ACTION** that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guidelines exposure levels offsite for more than the immediate area.
- 1.11 **HOSTAGE** - A person(s) held as leverage against the station to ensure demands will be met by the station.
- 1.12 **HOSTILE ACTION** - An act toward an NPP or its personnel that includes the use of violent force to destroy equipment, takes **HOSTAGES**, and/or intimidates the licensee to achieve an end. This includes attack by air, land, or water using guns, explosives, **PROJECTILES**, vehicles, or other devices used to deliver destructive force. Other acts that satisfy the overall intent may be included. **HOSTILE ACTION** should not be construed to include acts of civil disobedience or felonious acts that are not part of a concerted attack on the NPP. Non-terrorism-based EALs should be used to address such activities, (e.g., violent acts between individuals in the owner controlled area.)
- 1.13 **HOSTILE FORCE** - One or more individuals who are engaged in a determined assault, overtly or by stealth and deception, equipped with suitable weapons capable of killing, maiming, or causing destruction.
- 1.14 **IMMINENT** - Mitigation actions have been ineffective, additional actions are not expected to be successful, and trended information indicates that the event or condition will occur. Where **IMMINENT** timeframes are specified, they shall apply.
- 1.15 **INTRUSION** - A person(s) present in a specified area without authorization. Discovery of a **BOMB** in a specified area is indication of **INTRUSION** into that area by a **HOSTILE FORCE**.
- 1.16 **INABILITY TO DIRECTLY MONITOR** - Operational Aid Computer data points are unavailable or gauges/panel indications are NOT readily available to the operator.
- 1.17 **LOSS OF POWER** - Emergency Action Levels (EALs) apply to the ability of electrical energy to perform its intended function, reach its intended equipment. Ex. - If both MFBs, are energized but all 4160v switchgear is not available, the electrical energy can not reach the motors intended. The result to the plant is the same as if both MFBs were de-energized.
- 1.18 **PROJECTILE** - An object directed toward a NPP that could cause concern for its continued operability, reliability, or personnel safety.
- 1.19 **PROTECTED AREA** - Typically the site specific area which normally encompasses all controlled areas within the security **PROTECTED AREA** fence.

- 1.20 **REACTOR COOLANT SYSTEM (RCS) LEAKAGE** – RCS Operational Leakage as defined in the Technical Specification Basis B 3.4.13:

RCS leakage includes leakage from connected systems up to and including the second normally closed valve for systems which do not penetrate containment and the outermost isolation valve for systems which penetrate containment.

**A. Identified LEAKAGE**

LEAKAGE to the containment from specifically known and located sources, but does not include pressure boundary LEAKAGE or controlled reactor coolant pump (RCP) seal leakoff (a normal function not considered LEAKAGE).

LEAKAGE, such as that from pump seals, gaskets, or valve packing (except RCP seal water injection or leakoff), that is captured and conducted to collection systems or a sump or collecting tank;

LEAKAGE through a steam generator (SG) to the Secondary System (primary to secondary LEAKAGE): Primary to secondary LEAKAGE must be included in the total calculated for identified LEAKAGE.

**B. Unidentified LEAKAGE**

All LEAKAGE (except RCP seal water injection or leakoff) that is not identified LEAKAGE.

**C. Pressure Boundary LEAKAGE**

LEAKAGE (except primary to secondary LEAKAGE) through a nonisolable fault in an RCS component body, pipe wall or vessel wall.

- 1.21 **RUPTURED** (As relates to Steam Generator) - Existence of Primary to Secondary leakage of a magnitude sufficient to require or cause a reactor trip and safety injection.
- 1.22 **SABOTAGE** - Deliberate damage, mis-alignment, or mis-operation of plant equipment with the intent to render the equipment inoperable. Equipment found tampered with or damaged due to malicious mischief may not meet the definition of SABOTAGE until this determination is made by security supervision.
- 1.23 **SECURITY CONDITION** – Any Security Event as listed in the approved security contingency plan that constitutes a threat/compromise to site security, threat/risk to site personnel, or a potential degradation to the level of safety of the plant. A SECURITY CONDITION does not involve a HOSTILE ACTION.
- 1.24 **SAFETY-RELATED SYSTEMS AREA** - Any area within the *Protected area* which contains equipment, systems, components, or material, the failure, destruction, or release of which could directly or indirectly endanger the public health and safety by exposure to radiation.

- 1.25 **SELECTED LICENSEE COMMITMENT (SLC)** -Chapter 16 of the FSAR
- 1.26 **SIGNIFICANT PLANT TRANSIENT** - An *unplanned* event involving one or more of the following:
- (1) Automatic turbine runback>25% thermal reactor power
  - (2) Electrical load rejection >25% full electrical load
  - (3) Reactor Trip
  - (4) Safety Injection System Activation
- 1.27 **SITE AREA EMERGENCY** - Events are in process or have occurred which involve actual or likely major failures of plant functions needed for the protection of the public. or **HOSTILE ACTION** that results in intentional damage or malicious act; (1) toward site personnel or equipment that could lead to the likely failure of or; (2) that prevents effective access to equipment needed for the protection of the public. Any releases are NOT expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the Site Boundary.
- 1.28 **SITE BOUNDARY** - That area, including the *Protected Area*, in which DPC has the authority to control all activities including exclusion or removal of personnel and property (1 mile radius from the center of Unit 2).\
- 1.29 **TOXIC GAS** - A gas that is dangerous to life or health by reason of inhalation or skin contact (e.g.; Chlorine).
- 1.30 **UNCONTROLLED** - Event is not the result of planned actions by the plant staff.
- 1.31 **UNPLANNED** - An event or action is UNPLANNED if it is not the expected result of normal operations, testing, or maintenance. Events that result in corrective or mitigative actions being taken in accordance with abnormal or emergency procedures are UNPLANNED.
- 1.32 **UNUSUAL EVENT** - Events are in process or have occurred which indicate a potential degradation of the level of safety of the plant or indicate a security threat to facility protection has been initiated. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.
- 1.33 **VALID** - An indication or report or condition is considered to be VALID when it is conclusively verified by: (1) an instrument channel check; or, (2) indications on related or redundant instrumentation; or, (3) by direct observation by plant personnel such that doubt related to the instrument's operability, the condition's existence, or the report's accuracy is removed. Implicit with this definition is the need for timely assessment.

- 1.34 **VIOLENT** - Force has been used in an attempt to injure site personnel or damage plant property.
- 1.35 **VISIBLE DAMAGE** - Damage to equipment or structure that is readily observable without measurements, testing, or analyses. Damage is sufficient to cause concern regarding the continued operability or reliability of affected safety structure, system, or component. Example damage: deformation due to heat or impact, denting, penetration, rupture.
- 1.36 **VITAL AREA** - An area within the protected area where an individual is required to badge in to gain access to the area and that houses equipment important for nuclear safety. The failure or destruction of this equipment could directly or indirectly endanger the public health and safety by exposure to radiation.

**Enclosure 4.11**  
**Operating Modes Defined In Improved**  
**Technical Specifications**

RP/0/A/1000/001

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**MODES**

MODE	TITLE	REACTIVITY CONDITION ( $K_{eff}$ )	% RATED THERMAL POWER (a)	AVERAGE REACTOR COOLANT TEMPERATURE (°F)
1	Power Operation	$\geq 0.99$	$> 5$	NA
2	Startup	$\geq 0.99$	$\leq 5$	NA
3	Hot Standby	$< 0.99$	NA	$\geq 250$
4	Hot Shutdown (b)	$< 0.99$	NA	$250 > T > 200$
5	Cold Shutdown (b)	$< 0.99$	NA	$\leq 200$
6	Refueling (c)	NA	NA	NA

(a) Excluding decay heat.

(b) All reactor vessel head closure bolts fully tensioned.

(c) One or more reactor vessel head closure bolts less than fully tensioned

## 1. Instructions For Using Enclosure 4.1 – Fission Product Barrier Matrix

- 1.1 If the unit was at Hot S/D or above, (Modes 1, 2, 3, or 4) and one or more fission product barriers have been affected, refer to Enclosure 4.1, (Fission Product Barrier Matrix) and review the criteria listed to determine if the event should be classified.

- 1.1.1 For each Fission Product Barrier, review the associated EALs to determine if there is a Loss or Potential Loss of that barrier.

**NOTE:** An event with multiple events could occur which would result in the conclusion that exceeding the loss or potential loss thresholds is imminent (i.e. within 1-3 hours). In this situation, use judgement and classify as if the thresholds are exceeded.

- 1.2 Three possible outcomes exist for each barrier. No challenge, potential loss, or loss. Use the worst case for each barrier and the classification table at the bottom of the page to determine appropriate classification.
- 1.3 The numbers in parentheses out beside the label for each column can be used to assist in determining the classification. If no EAL is met for a given barrier, that barrier will have 0 points. The points for the columns are as follows:

<u>Barrier</u>	<u>Failure</u>	<u>Points</u>
RCS	Potential Loss	4
	Loss	5
Fuel Clad	Potential Loss	4
	Loss	5
Containment	Potential Loss	1
	Loss	3

- 1.3.1 To determine the classification, add the highest point value for each barrier to determine a total for all barriers. Compare this total point value with the numbers in parentheses beside each classification to see which one applies.
- 1.3.2 Finally as a verification of your decision, look below the Emergency Classification you selected. The loss and/or potential loss EALs selected for each barrier should be described by one of the bullet statements.



## Instructions For Using Enclosure 4.1

EXAMPLE: Failure to properly isolate a 'B' MS Line Rupture outside containment, results in extremely severe overcooling.

PTS entry conditions were satisfied.

Stresses on the 'B' S/G resulted in failure of multiple S/G tubes.

RCS leakage through the S/G exceeds available makeup capacity as indicated by loss of subcooling margin.

Barrier	EAL	Failure	Points
RCS	SGTR > Makeup capacity of one HPI pump in normal makeup mode with letdown isolated	Potential Loss	4
	Entry into PTS operating range	Potential Loss	4
	RCS leak rate > available makeup capacity as indicated by a loss of subcooling	Loss	5
Fuel Clad	No EALs met and no justification for classification on judgment	No Challenge	0
Containment	Failure of secondary side of SG results in a direct opening to the environment	Loss	3

RCS 5 + Fuel 0 + Containment 3 = Total 8

- A. Even though two Potential Loss EALs and one Loss EAL are met for the RCS barrier, credit is only taken for the worst case (highest point value) EAL, so the points from this barrier equal 5.
- B. No EAL is satisfied for the Fuel Clad Barrier so the points for this barrier equal 0.
- C. One Loss EAL is met for the Containment Barrier so the points for this barrier equal 3.
- D. When the total points are calculated the result is 8, therefore the classification would be a *Site Area Emergency*.
- E. Look in the box below "*Site Area Emergency*". You have identified a loss of two barriers. This agrees with one of the bullet statements. The classification is correct.

**1 References:**

1. PIP O-05-02980
2. PIP O-05-4697
3. PIP O-06-0404
4. PIP O-06-03347
5. PIP O-09-00234
6. PIP O-10-1055
7. PIP O-10-01750
8. PIP O-11-02811
9. PIP O-12-1590
10. PIP O-10-7809
11. PIP O-12-9201
12. PIP O-12-9198
13. PIP O-12-11227

## §50.54(q) Screening Evaluation Form

**Activity Description and References:** Emergency Classification Procedure  
RP/0/A/1000/001 rev. 0

BLOCK 1

See attached sheet for all changes pertaining to this procedure.

**Activity Scope:**

BLOCK 2

- ☒ The activity is a change to the emergency plan  
☐ The activity is not a change to the emergency plan

**Change Type:**

BLOCK 3

**Change Type:**

BLOCK 4

- ☐ The change is editorial or typographical  
☒ The change is not editorial or typographical
- ☒ The change does conform to an activity that has prior approval  
☐ The change does not conform to an activity that has prior approval

**Planning Standard Impact Determination:**

BLOCK 5

- ☐ §50.47(b)(1) – Assignment of Responsibility (Organization Control)  
☐ §50.47(b)(2) – Onsite Emergency Organization  
☐ §50.47(b)(3) – Emergency Response Support and Resources  
☒ §50.47(b)(4) – Emergency Classification System\*  
☐ §50.47(b)(5) – Notification Methods and Procedures\*  
☐ §50.47(b)(6) – Emergency Communications  
☐ §50.47(b)(7) – Public Education and Information  
☐ §50.47(b)(8) – Emergency Facility and Equipment  
☐ §50.47(b)(9) – Accident Assessment\*  
☐ §50.47(b)(10) – Protective Response\*  
☐ §50.47(b)(11) – Radiological Exposure Control  
☐ §50.47(b)(12) – Medical and Public Health Support  
☐ §50.47(b)(13) – Recovery Planning and Post-accident Operations  
☐ §50.47(b)(14) – Drills and Exercises  
☐ §50.47(b)(15) – Emergency Responder Training  
☐ §50.47(b)(16) – Emergency Plan Maintenance

**\*Risk Significant Planning Standards**

- ☐ The proposed activity does not impact a Planning Standard

**Commitment Impact Determination:**

BLOCK 6

- ☐ The activity does involve a site specific EP commitment  
 Record the commitment or commitment reference: \_\_\_\_\_
- ☒ The activity does not involve a site specific EP commitment

**Results:**

BLOCK 7

- ☐ The activity can be implemented without performing a §50.54(q) effectiveness evaluation  
☒ The activity cannot be implemented without performing a §50.54(q) effectiveness evaluation

Preparer Name:  
Donald A. Crowl

Preparer Signature

Date:

3-19-12 3-18-13

Reviewer Name:

Reviewer Signature

Date:

3-18-13

**§50.54(q) Effectiveness Evaluation Form****Activity Description and References:** RP/0/A/1000/01.**BLOCK 1**

Emergency Classification revision 0.

**Activity Type:****BLOCK 2**

- ☒ The activity is a *change* to the *emergency plan*  
☐ The activity affects implementation of the *emergency plan*, but is not a *change* to the *emergency plan*

**Impact and Licensing Basis Determination:****BLOCK 3**

1. *Reg. guide 1.219 D. Emergency Classification System 50.47(b)(4) A standard scheme of emergency classification and action levels in use.*  
*NUREG 0654, planning standard section D, a standard emergency classification and emergency action level scheme, the basis of which include facility system and effluent parameters, is in use by the nuclear facility licensee, and State and local response plans call for reliance on information provided by facility licensees for determinations of minimum initial response measures. Evaluation criteria 1 and 2.*

Licensing Basis:

No changes are being made that affect licensing basis or what is described in the ELL letters. reference attached copy of USFSAR section 13.3

**Compliance Evaluation and Conclusion:****BLOCK 4**Evaluation:

50.47 (b) (4) the rewording of EAL threshold value description to specifically state the temperature in the RCS prior to which boiling condition could occur more accurately indicates a loss of decay heat removal in lieu of referencing mode 5 conditions..

Added immediate actions that describe new ruling expectations to promptly classify upon identification that threshold values have been exceeded. Added a definition of Cognizant Facility Staff as describe in new EP ruling.

The procedure number changes and typographical correction have no impact on the actual classification scheme or basis.

Conclusion:

The proposed activity ☒ does / ☐ does not continue to comply with the requirements.

**Reduction in Effectiveness (RIE) Evaluation and Conclusion:****BLOCK 5**1. Evaluation:

There is no reduction in effectiveness due to the changes being made. The changes involving a typographical error and procedure identification number are editorial in nature. The change involving EAL: threshold description is clarification of the intent and uses the same threshold value which is more specifically described and used in other EALs..

Conclusion:

The proposed activity ☐ does / ☒ does not constitute a RIE.

### 13.3 Emergency Planning

The Emergency Program for the Duke Power Company's Oconee Nuclear Site consists of the Oconee Nuclear Site Emergency Plan and related implementing procedures. Also included are related radiological emergency plans and procedures of state and local governments. The purpose of these plans is to provide protection of plant personnel and the general public and to prevent or mitigate property damage that could result from an emergency at the Oconee Nuclear Site. The combined emergency preparedness programs have the following objectives:

1. Effective coordination of emergency activities among all organizations having a response role.
2. Early warning and clear instructions to the population-at-risk in the event of a serious radiological emergency.
3. Continued assessment of actual or potential consequences both on-site and off-site.
4. Effective and timely implementation of emergency measures.
5. Continued maintenance of an adequate state of emergency preparedness.

The Emergency Plan has been prepared in accordance with Section 50.47 and Appendix E of 10CFR Part 50. The plan shall be implemented whenever an emergency situation is indicated. Radiological emergencies can vary in severity from the occurrence of an abnormal event, such as a minor fire with no radiological health consequences, to nuclear accidents having substantial onsite and/or offsite consequences. In addition to emergencies involving a release of radioactive materials, events such as security threats or breaches, fires, electrical system disturbances, and natural phenomena that have the potential for involving radioactive materials are included in the plans. The plan contains adequate flexibility for dealing with any type of emergency that might occur.

The activities and responsibilities of outside agencies providing an emergency response role are detailed in the State of South Carolina emergency plans and the emergency plans for Oconee and Pickens Counties.

The emergency response resources available to respond to an emergency consist of the following: 1. ONS Site Personnel, 2. Duke Power corporate headquarters personnel, 3. Other Duke Power nuclear station personnel, and, in the longer term, federal emergency response organizations (e.g. NRC, DOE, FEMA). The first line of defense in responding to an emergency lies with the normal operating shift on duty when the emergency begins. Therefore, members of the Oconee staff are assigned emergency response roles that are to be assumed whenever an emergency is declared. The overall management of the emergency is initially performed by the Operations Shift Manager until he/she is relieved by the Station Manager/Designee. In the event of an emergency, he serves as the Emergency Coordinator. Onsite personnel have preassigned roles to support the Emergency Coordinator and to implement his directives. Special provisions have been made to assure that ample space and proper equipment are available to effectively respond to the full range of possible emergencies. The emergency facilities available include the Oconee Control Room, Operational Support Center, Technical Support Center, Joint Information Center, and the Emergency Operations Facility. These facilities are described in the site emergency plan. Emergency plan implementing procedures define the specific actions to be followed in order to recognize, assess, and correct an emergency condition and to mitigate its consequences. Procedures to implement the Plan provide the following information:

1. Specific instructions to the plant operating staff for the implementation of the Plan.
2. Specific authorities and responsibilities of plant operating personnel.

UFSAR Chapter 13 Oconee Nuclear Station  
13.3 - 2 (31 DEC 2010)

3. A source of pertinent information, forms, and data to ensure prompt actions are taken and that proper notifications and communications are carried out.
4. A record of the completed actions.
5. The mechanism by which emergency preparedness will be maintained at all times.

**Effectiveness Evaluation Results****BLOCK 6**

- ☒ The activity does continue to comply with the requirements of §50.47(b) and §50 Appendix E and the activity does not constitute a reduction in effectiveness. Therefore, the activity can be implemented without prior approval.
- ☐ The activity does not continue to comply with the requirements of §50.47(b) and §50 Appendix E or the activity does constitute a reduction in effectiveness. Therefore, the activity cannot be implemented without prior approval.

Preparer Name:  
Donald A. Crowl

Preparer Signature

Date:

3/18/13

Reviewer Name:

RAY WATZMAN

Reviewer Signature

Ray Watzman

Date:

3/18/13

Approver Name:

PATRICIA M STREIB

Approver Signature

Patricia M Streib

Date:

3/18/13

## EAL Change Review Form

<b>Change Description and References:</b> Emergency Classifications. RP/0/A/1000/01 rev. 0				<b>BLOCK 1</b>
<b>Change Type:</b> <input checked="" type="checkbox"/> The change is considered a <i>difference</i> from the approved wording. <input type="checkbox"/> The change is considered a <i>deviation</i> from the approved wording.				<b>BLOCK 2</b>
<b>Change Verification:</b>				<b>BLOCK 3</b>
<b>Item</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Resolution/Comments</b>
<b>Initiating Condition</b>				
IC identification number is correct	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No change
Wording is consistent with the NRC approved IC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clarification only, changed wording to be consistent with NESP-007 rev. 2
<b>EAL/FPB</b>				
EAL/FPB identification number is correct	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Change.
Wording is consistent with the NRC approved EAL / FPB	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clarification only.
Threshold values or conditions remain specific to ensure generic criteria are not substituted reducing clarity and accuracy of the EAL.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No changes made to values, only providing a more specific value.
Sequencing/nesting logic format is correct	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Source document inputs used for calculations and in thresholds are correct	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>Site specific content wording/tables/values are correct and specific:</u> <ul style="list-style-type: none"> <li>Operations procedures are consistent with the change</li> <li>Instrument/display number and noun name are provided</li> <li>Alarm setpoints are equal to or below EAL/FPB values</li> <li>Radiation monitor values account for background</li> <li>Procedure references are correct</li> </ul>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clarification only.
The EAL/FPB Matrix is legible and intuitively organized	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change to Matrix.
<b>Mode Applicability</b>				
Operational mode alignment is consistent with the EAL licensing basis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clarification only.
<b>Technical Bases</b>				
Site specific bases is consistent with the EAL threshold	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clarification only
Bases for calculations and threshold values are consistent with the technical bases approved by the NRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No changes made to values, only providing a more specific value.
Source document inputs used for calculations and in thresholds are correct	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No changes made to values, only providing a more specific value.
Site specific bases remains accurate and consistent with the EAL technical bases approved by the NRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clarification only

Site specific bases has appropriate level of detail and is unambiguous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clarification only.
The change does not cause a change to the logic of the EAL scheme (gaps in classification thresholds)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clarification only.
Conflicts with the EAL/FPB wording have not been introduced	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Clarification only.

Revision 12

### 3.10 10CFR 50.54(q) Evaluations

### Emergency Planning Functional Area Manual

Attachment 3.10.7.2

References				
NESP-007, rev. 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Source document references are current	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Definitions				
Wording is consistent with the license basis definitions approved by the NRC for the EALs and EAL technical bases	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clarification only, changed wording to be consistent with NESP-007 rev. 2.
Other Manual Content				
Wording is consistent with the license basis definitions approved by the NRC for the EALs and EAL technical bases	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clarification only, changed wording to be consistent with NESP-007 rev. 2

### Change Validation:

BLOCK 4

#### Method

- ☐ In-Plant Walkdown      ☐ Simulator      ☐ Other (Specify)  
☐ Training      ☐ Tabletop      ☒ N/A

Item	Yes	No	N/A	Resolution/Comments
EAL / FPB				
Information and/or values are available in all facilities where classifications are required to be made	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Control room and OAC values are available
<u>Instrumentation and computer points are compatible:</u> <ul style="list-style-type: none"> <li>Instrument/display designation matches</li> <li>Instrument/display units are correct</li> <li>Proper significant digits are indicated and within the accuracy capabilities of the instrument/display</li> <li>The instrument/display range is on scale for the threshold value</li> <li>Instrument/display provides separation for escalating values</li> </ul>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All values are within the capabilities of existing instrumentation.
Conditions are easily recognizable and able to support declaration within 15 minutes.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No changes made to values, only providing a more specific value.
Information and/or values are easily obtained and able to support declaration within 15 minutes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No changes made to values, only providing a more specific value..



The change does not introduce a time delay to classification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No changes made to values, only providing a more specific value.
--	-------------------------------------	--------------------------	--------------------------	--

#### Change Justification:


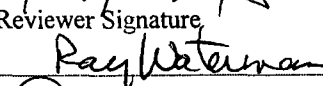
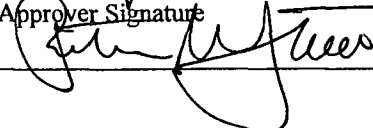
**BLOCK 5**

The reason for the EAL revision is to clarify the specific conditions for meeting the EAL threshold. Currently, the EAL refers to mode 5 conditions and has resulted in licensed personal interpreting the conditions as a requirement for meeting mode 5 as defined by technical specifications. The intent of the EAL is to identify conditions at which loss of decay heat removal has the potential to result in boiling conditions within the RCS.

#### EAL Change Review Results:

**BLOCK 6**

- ☒ The EAL change can be implemented without prior NRC approval.  
☐ The EAL change cannot be implemented without prior NRC approval.

Preparer Name: Donald A. Crowl	Preparer Signature 	Date: 3/18/13
Reviewer Name: RAY WATERMAN	Reviewer Signature 	Date: 3/18/13
Approver Name: PATRICK M STREET	Approver Signature 	Date: 3/18/13

## §50.54(q) Screening Evaluation Form

**Activity Description and References:** Offsite Communications From the Technical Support Center, RP/0/B/1000/015B rev 17 Superseded

BLOCK 1

**Activity Description;**

- 1) To align our E-Plan Implementing Procedures with NSD703 permanent technical procedure requirements as determined by PIP O-12-1590, ONS Emergency Planning will revise the procedure titles (as procedure revisions become necessary) to incorporate the Safety Classification to "A" instead of "B".

**Reason for Change:**

- 1) NSD 703.5.1, Permanent technical procedures are used to direct station activities during operating, testing, refueling, maintenance, and modifications. These procedures provide guidance for activities that are of a repetitive nature, or when conditions requiring the procedure may occur in the future and the procedure is essential if the situation occurs. Permanent technical procedures are designated in the procedure number as follows:

**Procedure Type Abbreviation**

Emergency Response Procedures RP

RP/0/B/1000/001 revision <sup>32106</sup>31 will be superseded and replaced with RP/0/A/1000/001 rev 0

This will not reduce the effectiveness of the E-Plan.

**Activity Scope:**

BLOCK 2

- ☒ The activity is a *change* to the *emergency plan*
- ☐ The activity is not a *change* to the *emergency plan*

**Change Type:**

BLOCK 3

- ☒ The change is editorial or typographical
- ☐ The change is not editorial or typographical

**Change Type:**

BLOCK 4

- ☐ The change does conform to an activity that has prior approval
- ☐ The change does not conform to an activity that has prior approval

**Planning Standard Impact Determination:**

- ☐ §50.47(b)(1) – Assignment of Responsibility (Organization Control)  
☐ §50.47(b)(2) – Onsite Emergency Organization  
☐ §50.47(b)(3) – Emergency Response Support and Resources  
☐ §50.47(b)(4) – **Emergency Classification System\***  
☐ §50.47(b)(5) – **Notification Methods and Procedures\***  
☐ §50.47(b)(6) – Emergency Communications  
☐ §50.47(b)(7) – Public Education and Information  
☐ §50.47(b)(8) – Emergency Facility and Equipment  
☐ §50.47(b)(9) – **Accident Assessment\***  
☐ §50.47(b)(10) – **Protective Response\***  
☐ §50.47(b)(11) – Radiological Exposure Control  
☐ §50.47(b)(12) – Medical and Public Health Support  
☐ §50.47(b)(13) – Recovery Planning and Post-accident Operations  
☐ §50.47(b)(14) – Drills and Exercises  
☐ §50.47(b)(15) – Emergency Responder Training  
☐ §50.47(b)(16) – Emergency Plan Maintenance

**\*Risk Significant Planning Standards**

- ☐ The proposed activity does not impact a Planning Standard

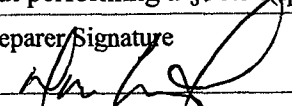
**Commitment Impact Determination:**

- ☐ The activity does involve a site specific EP commitment  
Record the commitment or commitment reference: \_\_\_\_\_
- ☐ The activity does not involve a site specific EP commitment

**Results:**

*This title change is a result of an INOS PIP O-12-1590 making the determination that NSD 703 section 5.1 requires all Emergency Response Procedures to be permanent technical procedure thus resulting in all ONS E-Plan Implementing Procedure having a Safety Classification designation letter of "A" and not "B" in the ID number of that procedure. This title revision in no way compromises the contents of the procedure or its effectiveness of use during an emergency event. Nor does this title ID change affect the required review period for this procedure of every 6 years. It has been determined that this revision will not reduce the effectiveness of this emergency response procedure. The revision to the step number is an editorial change only. No changes to content or intent. This revision does not require a 5054Q effectiveness evaluation due to a reduction in the effectiveness of the E-Plan.*

- ☒ The activity can be implemented without performing a §50.54(q) effectiveness evaluation  
☐ The activity cannot be implemented without performing a §50.54(q) effectiveness evaluation

Preparer Name: Don Crowl	Preparer Signature 	Date: 03/04/13
Reviewer Name: RAY WATERMAN	Reviewer Signature Ray Waterman	Date: 3-18-13

Duke Energy  
Oconee Nuclear Station  
**Control Room Emergency Coordinator Procedure**

Procedure No.

**RP/0/B/1000/002**

Revision No.

**025**

Electronic Reference No.

**OX002WOT**

**Reference Use**

**PERFORMANCE**

This Procedure was printed on 04/02/13 at 13:13:54 from the electronic library as:

**(ISSUED) - PDF Format**

Compare with Control Copy every 14 calendar days while work is being performed.

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

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

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

Date(s) Performed

Work Order/Task Number (WO#)

**COMPLETION**

- |                              |                             |  |
|------------------------------|-----------------------------|--|
| <input type="checkbox"/> Yes | <input type="checkbox"/> NA | Checklists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?  |
| <input type="checkbox"/> Yes | <input type="checkbox"/> NA | Required enclosures attached?  |
| <input type="checkbox"/> Yes | <input type="checkbox"/> NA | Charts, graphs, data sheets, etc. attached, dated, identified, and marked?           |
| <input type="checkbox"/> Yes | <input type="checkbox"/> NA | Calibrated Test Equipment, if used, checked out/in and referenced to this procedure? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> NA | Procedure requirements met?  |

Verified By\*

Date

Procedure Completion Approved\*

Date

*\*Printed Name and Signature*

Remarks (attach additional pages, if necessary)

**IMPORTANT: Do NOT mark on barcodes.**

Printed Date: \*04/02/2013\*

Enclosure No.: \*FULL\*



Revision No.: \*025\*



Procedure No.: \*RP/0/B/1000/002\*



# Duke Energy

## PROCEDURE PROCESS RECORD

(1) ID No. RP/0/B/1000/002Revision No. 025**PREPARATION**

- (2) Station OCONEE NUCLEAR STATION
- (3) Procedure Title Control Room Emergency Coordinator Procedure
- (4) Prepared By\* John Kaminski (Signature) [Signature] Date 03/21/2013
- (5) Requires NSD 228 Applicability Determination?  
☐ Yes (New procedure or revision with major changes) - Attach NSD 228 documentation.  
☒ No (Revision with minor changes)
- (6) Reviewed By\* Ray Waterman / Ray Waterman (QR)(KI) Date 3-21-13  
 Cross-Disciplinary Review By\* NA (QR)(KI) Date 3-21-13  
 Reactivity Mgmt Review By\* NA (QR) Date 3-21-13  
 Mgmt Involvement Review By\* NA (Ops. Supt.) Date 3-21-13
- (7) Additional Reviews  
 Reviewed By\* \_\_\_\_\_ Date \_\_\_\_\_  
 Reviewed By\* \_\_\_\_\_ Date \_\_\_\_\_
- (8) Approved By\* Patricia M. Stiles [Signature] Date 4/2/13

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

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

**COMPLETION**

- (11) 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 Charts, graphs, data sheets, etc. attached, dated, identified, and marked?  
☐ Yes ☐ NA Calibrated Test Equipment, if used, checked out/in and referenced to this procedure?  
☐ Yes ☐ NA Procedure requirements met?
- Verified By\* \_\_\_\_\_ Date \_\_\_\_\_
- (12) Procedure Completion Approved \_\_\_\_\_ Date \_\_\_\_\_
- (13) Remarks (Attach additional pages, if necessary)

## Control Room Emergency Coordinator Procedure

### 1. Symptoms

\_\_\_\_ 1.1 Events have occurred requiring activation of the Oconee Nuclear Site Emergency Plan.

### 2. Immediate Actions

**NOTE:** This procedure is an implementing procedure to the Oconee Nuclear Site Emergency Plan and must be forwarded to Emergency Planning within seven (7) working days of approval.

\_\_\_\_ 2.1 **IF** No EAL exists,  
**AND** ERO activation is desired,  
**THEN** GO TO Enclosure 4.4, (ERO Pager Activation)

**NOTE:** State and County agencies shall be notified within 15 minutes of E-plan declaration, Classification upgrades, and Protective Action Recommendations.

\_\_\_\_ 2.2 Declare the appropriate Emergency Classification level.  
Classification \_\_\_\_\_ (UE, Alert, SAE, GE)  
Time Declared: \_\_\_\_\_

\_\_\_\_ 2.3 **IF** a Security event is in progress  
**THEN** GO TO Step 2.5

**NOTE:** Activation of ERO personnel for an unusual event classification is at the discretion of the OSM.

\_\_\_\_ 2.4 **IF** assistance from ERO personnel is desired/required:  
**THEN** activate ERO pagers from the ERO Pager Activation Panel:  
\_\_\_\_ For an EMERGENCY press "Test" button then press button 1  
\_\_\_\_ For a DRILL press "Test" button then press button 3

\_\_\_\_\_ 2.5 Appoint Control Room Offsite Communicator(s) and perform the following:

- Record Name \_\_\_\_\_
- Notify Offsite Communicator to **REFER TO** RP/0/A/1000/015A, Immediate Actions steps 2.1 and 2.2 **AND** Enclosure 4.7 (Guidelines for Manually Transmitting a Message) in preparation for notifying offsite agencies. {13}

\_\_\_\_\_ 2.6 **IAAT** Changing plant conditions require an emergency classification upgrade,

**THEN** Notify Offsite Communicator to complete the in-progress notifications per RP/0/A/1000/15A, (Offsite Communications From The CR)

**AND** Re-initiate a clean copy of this procedure for the upgraded classification and stop this procedure.

**NOTE:** If more than one EAL of the classification level is met, use the EAL description of most interest to offsite agencies. Use "Remarks" (Line 13 of Notification Form) for additional comments from other EAL descriptions that the offsite agencies may need to know.

Additional message sheets listing other information of interest to offsite agencies (e.g. transporting injured personnel) may be sent, if needed.

\_\_\_\_\_ 2.7 Obtain the applicable Offsite Notification form in the control room and complete as follows:

\_\_\_\_\_ 2.7.1 Ensure EAL # as determined by RP/0/A/1000/001 matches Line 4.

\_\_\_\_\_ 2.7.2 Line 1 - Mark appropriate box "Drill" or "Actual Event"

\_\_\_\_\_ 2.7.3 Line 1 - Enter Message #

\_\_\_\_\_ 2.7.4 Line 2 - Mark Initial

\_\_\_\_\_ 2.7.5 Line 6 - A. Mark "Is Occurring" if any of the following are true:

- RIAs 40, 45, or 46 are increasing or in alarm
- If containment is breached
- Containment pressure > 1 psig

B. Mark "None" if none of the above is applicable.

\_\_\_\_\_ 2.7.6 Line 7 - If Line 6 Box B or C is marked, mark Box D. Otherwise mark Box A

\_\_\_\_\_ 2.7.7 Line 8 - Mark "Stable" unless an upgrade or additional PARs are anticipated within an hour.

- Refer to Enclosure 4.9, (Event Prognosis Definitions)

\_\_\_\_\_ 2.7.8 Line 10 - Military time and date of declaration (Refer to date/time in Step 2.2)

**NOTE:** 1. The following step is used to help determine if an event includes only one unit or all units. The list may not be all inclusive.

2. The following is provided by the OSM.

\_\_\_\_\_ 2.7.9 Line 11 - Evaluate the following for classification for all units.

- Security event
- Seismic event
- Tornado on site
- Hurricane force winds on site
- SSF event
- Fire affecting shared safety related equipment

Mark or select ALL if event affects the emergency classification on more than one unit.

If event only affects one (1) unit **OR** one (1) unit has a higher emergency class, select or mark the appropriate unit.

\_\_\_\_\_ 2.7.10 Line 12 - Mark unit(s) affected (reference Line 11) AND enter percent power for each unit affected. { 14 }

- If affected unit is shutdown, then enter shutdown time and date.



**NOTE:** Line number 13 should be used to provide information important to offsite agencies. The following are examples of information which should be provided:

- Time that fires are extinguished
- Offsite fire departments have been requested to assist with a fire onsite
- The type of natural event which had affected the site (i.e. tornado, seismic, etc.)
- Notification that a radiologically contaminated patient has been transported offsite
- The dam or dike which has resulted in a Condition Bravo or Alpha, if known
- Status of a security threat against the site if known

\_\_\_\_\_ 2.7.11 Line 13 - If the OSM has no remarks, write "None"

\_\_\_\_\_ 2.7.12 If Condition "A" exists ensure following PAR's are included on Line 5.

A. Evacuate: Move residents living downstream of the Keowee Hydro Project dams to higher ground

B. Other: Prohibit traffic flow across bridges identified on your inundation maps until the danger has passed.

\_\_\_\_\_ 2.7.13 Line 17 - OSM signature, CURRENT Time/Date

**NOTE:** Only an Initial and a Termination Message are required for Unusual Event classifications. No Follow Up notifications (updates) are required unless requested by Offsite Agencies.

**NOTE:**

- GETS cards are available in the GETS Binder located in the TSC Supply Cabinet. Their use will enable communications when phone lines are busy or overloaded. See instructions on back of card.
- For communications failures, see RP/0/A/1000/015A, Offsite Communications From The Control Room, Enclosure 4.9 Alternate Method and Sequence to Contact Agencies.
- Satellite Telephones are available in all Control Rooms, the TSC and the OSC. They can be used when other means of communication have failed.

\_\_\_\_\_ 2.8 Provide Offsite Communicator with Emergency Notification Form and direct him/her to perform the following using RP/0/A/1000/015A, (Offsite Communications From The Control Room):

- Print Offsite Communicator name (Line 17)
- Use Enclosure 4.7 (Guidelines for Manually Transmitting A Message) to immediately notify off-site agencies (State and Counties)
- Ensure follow up notifications (updates) are provided at least every 60 minutes for classifications of Alert, Site Area Emergency and General Emergency.
- **IF** Condition A, Imminent or Actual Dam Failure (Keowee or Jocassee) exist,  
**THEN** **ENSURE** that notification is made to the Georgia Emergency Management agency 9-404-635-7000 or 7200 and National Weather Service 9-864-879-1085 or 9-800-268-7785 after the State and Counties are notified.

\_\_\_\_\_ 2.9 **IAAT** The Hydro Group notifies the control room that Condition A, Imminent or Actual Dam failure (Keowee or Jocassee) or Condition B at Keowee exists applies,

**THEN** **REFER TO** Enclosure 4.3, (Condition A/Condition B Response Actions) for additional protective actions.

**NOTE:** Activation of the ERO is **NOT** required for an Unusual Event Classification.

\_\_\_\_\_ 2.10 **IF** this is an Unusual Event,

**AND** the OSM/Emergency Coordinator does **NOT** desire that the EOF and/or TSC be activated,

**THEN** GO TO Step 2.13

**NOTE:** Activate the Alternate TSC and/or OSC in the Oconee Office Building, Rooms 316 and 316A, if a fire in the Turbine Building, flooding conditions, Security events (except those involving intrusion/attempted intrusion), or onsite/offsite hazardous materials spill have occurred or are occurring. {4} {16}

\_\_\_\_\_ 2.11 Notify Security Shift Supervisor (Ext. 2309 or 3636) that the ERO is being activated **and** obtain his/her recommendations for conducting a site assembly should it be needed.

**NOTE:** This step is required in addition to action taken in step 2.4. {13}

\_\_\_\_\_ 2.12 Activate the Emergency Response Organization (ERO) by performing Enclosure 4.4, (ERO Pager Activation). {8}

\_\_\_\_\_ 2.13 Maintain Enclosure 4.1, (OSM Emergency Coordinator Log/Turnover Sheet).

**NOTE:** Enclosure 4.6, Radiation Level/Radiological Release Determination Reference may be used to help determine if RIA values, Dose Projections, or Field Monitoring surveys require a classification Upgrade and Protective Action Recommendation.

\_\_\_\_\_ 2.14 **IAAT** Abnormal radiation levels or releases are occurring or have occurred:

**THEN** Perform the following:

\_\_\_\_\_ Notify RP to perform Offsite Dose Calculations, determine Protective Action Recommendations, and initiate radiological field monitoring.

\_\_\_\_\_ **REFER TO** Enclosure 4.6, (Radiation Monitoring) to determine if RIA values, Dose Projections, or analysis of Field Monitoring Surveys require a classification Upgrade and Protective Action Recommendation.

\_\_\_\_\_ 2.15 Perform one of the following:

\_\_\_\_\_ 2.15.1 Appoint a qualified individual to perform Enclosure 4.5, (Emergency Coordinator Parallel Actions):

- Record Name: \_\_\_\_\_
- Notify individual appointed that a Security event (Does/Does Not) exist and a Site Assembly (Is/Is Not) desired

\_\_\_\_\_ 2.15.2 Perform Enclosure 4.5, (Emergency Coordinator Parallel Actions).

### 3. Subsequent Actions

\_\_\_\_\_ 3.1 **IAAT** An Unusual Event classification is being terminated,  
**THEN** **REFER TO** Enclosure 4.2, (Emergency Classification Termination Criteria), of this procedure for termination guidance.

\_\_\_\_\_ 3.1.1 Verify that the Offsite Communicator has provided termination message to the off-site agencies.

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

\_\_\_\_\_ 3.1.2 Notify Emergency Planning Section (Emergency Planning Duty person after hours) of the following:

- the Unusual Event has been terminated
- conduct a critique following termination of an actual Unusual Event

**NOTE:** After normal working hours, Emergency Response Personnel will **NOT** report to the TSC or OSC until after a Security threat has been neutralized. Emergency Response personnel will report to the Oconee JIC (Old Clemson EOF) during Security events.

If the ERO was activated and a Security event involving an intrusion/attempted intrusion **DOES NOT** exist, then provide turnover to the Technical Support Center.

If the ERO was activated after normal working hours **AND** a Security Event involving an intrusion/attempted intrusion **DOES** exist, then provide Notification turnover information to the EOF Director. After the EOF is activated, the EOF will assume responsibility for classifications, notifications, and protective action recommendations. The OSM will remain the Emergency Coordinator for all other activities until the TSC is activated.

\_\_\_\_ 3.2 **IAAT** The TSC or EOF is ready to accept turnover,

**THEN** Perform one of the following as required:

\_\_\_\_ 3.2.1 **IF** The TSC is ready to accept Emergency Coordinator responsibilities,

**THEN** Perform turnover using Enclosure 4.1, (OSM Emergency Coordinator Log/Turnover Sheet).

Time TSC Activated: \_\_\_\_\_

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

**NOTE:** The EOF Director will notify the Control Room Emergency Coordinator when the EOF is operational and ready to initiate turnover.

\_\_\_\_ 3.2.2 **IF** The EOF is ready to initiate turnover information,

**THEN** Verify notification turnover information from the EOF Director:

\_\_\_\_ A. Fax Enclosure 4.1 (OSM Emergency Coordinator Log/Turnover Sheet).

\_\_\_\_ B. Obtain current copy of Emergency Notification Form and plant status.

\_\_\_\_ C. Verify the information being provided by the EOF Director from Enclosure 4.1 and the current Emergency Notification Form.

\_\_\_\_ D. When Control Room Emergency Coordinator verification of Notification turnover information from EOF Director is complete and the EOF is activated, turnover Notification responsibility to the EOF and log:

Time EOF Activated: \_\_\_\_\_

\_\_\_\_ E. Direct NRC Communicator to notify the NRC Operations Center that the EOF is activated.

#### **4. Enclosures**

- 4.1 OSM Emergency Coordinator Log/Turnover Sheet
- 4.2 Emergency Classification Termination Criteria
- 4.3 Condition A/ Condition B Response Actions
- 4.4 ERO Pager Activation
- 4.5 Emergency Coordinator Parallel Actions
- 4.6 Radiation Monitoring
- 4.7 Summary of IAAT Steps
- 4.8 ERO Pager Activation By Security
- 4.9 Event Prognosis Definitions
- 4.10 References

## OSM Emergency Coordinator Log/Turnover Sheet

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Time Declared \_\_\_\_\_

[illegible]

**Enclosure 4.1**  
**OSM Emergency Coordinator Log/Turnover**  
**Sheet**

Page 2 of 3

[illegible]



**Enclosure 4.1**

RP/0/B/1000/002

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**OSM Emergency Coordinator Log/Turnover Sheet**

Unit 1			Unit 2			Unit 3		
Rx Power	RCS Pressure	RCS Temp.	Rx Power	RCS Pressure	RCS Temp.	Rx Power	RCS Pressure	RCS Temp.
Auxiliary Power From		ES Channels Actuated	Auxiliary Power From		ES Channels Actuated	Auxiliary Power From		ES Channels Actuated
Jobs In Progress:			Jobs In Progress:			Jobs In Progress:		
Major Equipment Out of Service:			Major Equipment Out of Service:			Major Equipment Out of Service:		
ERDS Activated? Yes/No CR Booster Fans On? Yes/No			ERDS Activated? Yes/No			ERDS Activated? Yes/No CR Booster Fans On? Yes/No		

Abnormal/Emergency Procedures Currently In Progress			
Emergency Response Procedures in Progress	Yes	No	List Any EOP/APs In Progress
RP/0/B/1000/002 (Control Room Emergency Coordinator Procedure)	✓		
RP/0/B/1000/016 (Medical Response)			
RP/0/B/1000/017 (Spill Response)			
RP/0/B/1000/022 (Major Site Damage)			
RP/0/B/1000/029 (Fire Brigade)			
RP/0/B/1000/009 (Procedure For Site Assembly)			
RP/0/B/1000/010 (Emergency Evacuation/Relocation of Site Personnel)			
Emergency Dose Limits for AP/EOP actions in effect?			

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 \_\_\_\_\_

Status for answering 4911 emergency phone call: Remains in Control Room \_\_\_\_\_ Responsibility of Ops in OSC \_\_\_\_\_

Status of Site Assembly (Needed only if after hours, holidays, or weekends) \_\_\_\_\_

Time Next message is due to Offsite Agencies \_\_\_\_\_ (Attach all completed Emergency Notification Forms)

Emergency Coordinator/TSC \_\_\_\_\_ OSM \_\_\_\_\_ Time of Turnover \_\_\_\_\_

**Enclosure 4.2**  
**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 3.6 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.

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

\_\_\_\_\_  
Initial

- \_\_\_\_\_ 13. Emergency terminated. Request the Control Room Offsite Communicator to complete an Emergency Notification Form for a Termination Message using guidance in RP/0/A/1000/015A, (Offsite Communications From The Control Room), and provide information to offsite agencies.

◆ **GO TO** Step 3.1.

## 1. Condition A Response - Immediate Actions

**NOTE:** The Hydro Group will notify the control room/OSM when Condition A/B conditions apply.

Condition A - Failure is Imminent or Has Occurred - A failure at the dam has occurred or is about to occur and minutes or days may be allowed to respond dependent upon the proximity to the dam. (Keowee or Jocassee)

Condition B - Potentially Hazardous Situation is Developing - A situation where failure may develop, but preplanning actions taken during certain events (Major floods, earthquakes) may prevent or mitigate failure. (Keowee)

\_\_\_\_ 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.

**NOTE:** State and County Agencies shall be notified within 15 minutes of Protective Action Recommendations.

\_\_\_\_ A. Provide the following recommendation for Emergency Notification Form Section 5 (B) **Evacuate:** Move residents living downstream of the Keowee Hydro Project dams to higher ground.

\_\_\_\_ B. Provide the following recommendation for Emergency Notification Form Section 5 (E) **Other:** Prohibit traffic flow across bridges identified on your inundation maps until the danger has passed.

\_\_\_\_ 1.2 **IF** Condition A, Imminent or Actual Dam Failure (Keowee or Jocassee) exist,  
**THEN** Notify the Georgia Emergency Management agency 9-(404) 635-7000 or 7200 and National Weather Service 9-(864) 879-1085 or 9-800-268-7785 after the State and Counties are notified.

## 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 at 9-(704)-382-6836 or 6838 or 6839.

\_\_\_\_\_ 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 8).

\_\_\_\_\_ 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.

**Enclosure 4.3**  
**Condition A/ Condition B Response Actions**

RP/0/B/1000/002  
Page 3 of 3

- \_\_\_\_\_ 2.7 Initiate the following actions for a Condition A for Keowee OR Jocassee:
- \_\_\_\_\_ 2.7.1 Direct SPOC to initiate relocation of Appendix R equipment and Hale Fire Pump to the ISIFSI or Elevated Water Storage Tank areas.
- \_\_\_\_\_ 2.7.2 Notify Security Supervision to be prepared to relocate Security Officers due to flooding within the protected area and to waive security requirements as needed to support relocation of Appendix R equipment and Hale Fire Pump.
- \_\_\_\_\_ 2.7.3 Recall off shift Operations personnel to assist with shutdown of operating units.
- \_\_\_\_\_ 2.8 **GO TO** Enclosure 4.5, (Emergency Coordinator Parallel Actions) Step 1.11.

**3. Condition B Response - Immediate Actions**

- \_\_\_\_\_ 3.1 **IF** Condition B at Keowee exists,  
**THEN** Notify Hydro Central 9-(704) 382-6836 and the Georgia Emergency Management Agency 9-(404) 635-7000 or 7200 and National Weather Service 9-(864) 879-1085 or 9-800-268-7785 after the State and Counties are notified.

<p><b>NOTE:</b> Activation of the ERO is to allow adequate time for the TSC to assess the need to relocate B.5.b equipment in the event of an anticipated upgrade to a Condition A.</p>
---

- \_\_\_\_\_ 3.2 Activate the ERO.
- \_\_\_\_\_ 3.3 **GO TO** Enclosure 4.5, (Emergency Coordinator Parallel Actions) Step 1.11.

**Enclosure 4.4**  
**ERO Pager Activation**

RP/0/B/1000/002  
Page 1 of 3

**1. Activate ERO Pagers as follows:**

**NOTE:** Pressing more than one Panel Button may be required. Read all Steps to ensure the appropriate Activation Panel buttons are pressed.

\_\_\_\_ 1.1 Press ERO Pager Activation Panel "Test" Button. (Green) {6}

**NOTE:**

- For Security events **DO NOT** press Buttons 1, 2, 3 **OR** 4 along with either Button 6 **OR** 10.
- For flooding/dam failures/earthquake conditions it is assumed that bridges may be impassable to reach emergency facilities so either Button 2 **OR** 4 should be used for those events.
- Activating Button 6 **OR** 10 recalls the ERO to the Clemson assembly area.
- For a station blackout press Button 5 to activate alternate TSC/OSC. (to reduce number of people in Control Rooms for heat reduction) {15}

\_\_\_\_ 1.2 **IF** ERO activation for an Emergency (ONS Emergency) is required,

**THEN** Press ERO Pager Activation Panel Button 1.

\_\_\_\_ 1.3 **IF** ERO activation is for an Emergency affecting bridges (ONS Emergency Bridges) is required.

**THEN** Press ERO Pager Activation Panel Button 2.

\_\_\_\_ 1.4 **IF** ERO activation for a Drill (ONS Drill) is required,

**THEN** Press ERO Pager Activation Panel Button 3.

\_\_\_\_ 1.5 **IF** ERO activation for a Drill affecting bridges (ONS Drill Bridges) is required,

**THEN** Press ERO Pager Activation Panel Button 4.

**WARNING:** Activating the Alternate TSC and OSC during Security events involving an intrusion/attempted intrusion into the site is not recommended. {4}

\_\_\_\_ 1.6 **IF** Alternate TSC/OSC will be used,

**THEN** Press ERO Pager Activation Panel Button 5.

**Enclosure 4.4**  
**ERO Pager Activation**

RP/0/B/1000/002  
Page 2 of 3

- \_\_\_\_ 1.7    **IF**        ERO activation for an Emergency **AND**  
                 a Security Event is in progress,  
  
                 **THEN**    Press ERO Pager Activation Panel Button **6**.
- \_\_\_\_ 1.8    **IF**        ERO activation for a Drill **AND** a Security Event is in progress  
  
                 **THEN**    Press ERO Pager Activation Panel Button **10**.
- \_\_\_\_ 1.9    Wait one minute and repeat Steps 1.1 - 1.8.
- \_\_\_\_ 1.10   Monitor ERO pager and verify that message has been provided to the ERO.
- \_\_\_\_ 1.11   **IF**        Message is **NOT** displayed on ERO Pager,  
  
                 **THEN**    Notify Security to activate ERO Pagers, **REFER TO** Enclosure 4.8 (ERO Pager  
                 Activation By Security).

**NOTE:**

- **DO NOT** perform Step 1.12 until Security has determined that it is safe to recall ERO personnel to the site.
- Security may be in the process or have already performed this process per SP/C/1629-O.

- \_\_\_\_ 1.12   **IF**        ERO activation is after normal working hours  
  
                 **THEN**    Mark the following condition that exists as determined in Steps 1.2 through 1.8:

_____	ONS Emergency	<b>Message 2</b>
_____	ONS Emergency - Bridges	<b>Message 20</b>
_____	ONS Emergency - Security Event	<b>Message 21</b>
_____	ONS Emergency - Bridges <b><u>AND</u></b> Security Event	<b>Message 22</b>
_____	ONS Drill	<b>Message 1</b>
_____	ONS Drill - Bridges	<b>Message 10</b>
_____	ONS Drill - Security Event	<b>Message 11</b>
_____	ONS Drill - Bridges <b><u>AND</u></b> Security Event	<b>Message 12</b>

**Enclosure 4.4**  
**ERO Pager Activation**

RP/0/B/1000/002  
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**AND**

\_\_\_\_\_ **THEN** Notify Security at extension 3636 (Dial 2309 if no response is received) and request the Security Officer to pull a copy of Security Procedure SP/C/1629-O, (Security Support of Site Emergency Response) and request them to activate the Nuclear Callout System, Enclosure 4.5, using event description and message number determined above.



## Emergency Coordinator Parallel Actions

Page 1 of 5

## 1. Emergency Coordinator Assistant's Parallel Actions

\_\_\_\_ 1.1 **IAAT** Changing plant conditions require an emergency classification upgrade,

**THEN** Re-initiate a clean copy of this enclosure and stop this enclosure.

**NOTE:** An open line to the NRC may be required.

Notifications to the NRC are required within one (1) hour of declaration of the emergency classification level.

\_\_\_\_ 1.2 Appoint an SRO to make notifications to the NRC.

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

\_\_\_\_ 1.3 Direct the NRC Communicator to complete the OMP 1-14 NRC Event Notification Worksheet and Plant Status Sheet (located on OPS Web page under "Forms and Reports").

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

Activating ERDS is **NOT** required for an Unusual Event classification.

\_\_\_\_ 1.4 Direct the NRC Communicator to start the Emergency Response Data System (ERDS) for units(s) involved, within one (1) hour of an emergency classification of Alert or higher.  
**REFER TO** RP/0/B/1000/003A, (ERDS Operation).

**NOTE:** Notifications per NSD 202 for 10CFR50.72, requires **ALL** reportable items that are met or exceeded to be reported in addition to the NRC Event Notification Worksheet and Plant Status Sheet required within 1 hour of the event declaration.

\_\_\_\_ 1.5 **IAAT** Plant conditions require NRC notification under 10CFR50.72,

**THEN** Direct the CR NRC Communicator to provide this notification using the guidance in OMP 1-14, (Notifications).

\_\_\_\_ 1.6 **IF** the Emergency Response Organization is **NOT** needed to assist with the Unusual Event emergency activities

**AND** personnel accountability is **NOT** desired,

**THEN** GO TO Step 1.8.

**Enclosure 4.5**  
**Emergency Coordinator Parallel Actions**

RP/0/B/1000/002  
Page 2 of 5

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

- \_\_\_\_\_ 1.7    **IAAT**    the OSM directs that a Site Assembly be initiated,
- THEN**    Initiate Site Assembly per RP/0/A/1000/009, (Procedure For Site Assembly),  
Enclosure 4.1 and 4.3.
- \_\_\_\_\_ 1.8    **IAAT**    Any Area Radiation Monitor is increasing or is in ALARM,
- OR**    Steam Line Break has occurred,
- THEN**    Contact shift RP to dispatch onsite monitoring teams.
- \_\_\_\_\_ 1.9    **IF**    This is a General Emergency,
- THEN**    Initiate evacuation of all non-essential personnel from the site after personnel  
accountability has been reached. **REFER TO** RP/0/B/1000/010, (Procedure for  
Emergency Evacuation/Relocation of Site Personnel).
- \_\_\_\_\_ 1.10    **IAAT**    If notified by the Hydro Group that Condition A Imminent or Actual Dam Failure  
(Keowee or Jocassee),
- OR**    Condition B (Keowee) exists,
- THEN**    **REFER TO** Enclosure 4.3, (Condition A/Condition B Response Actions), for  
additional PAR and/or response actions.
- \_\_\_\_\_ 1.11    **IAAT**    Large scale fire or flood damage has occurred or is occurring,
- THEN**    Initiate RP/0/B/1000/022, (Major Site Damage) and /or  
RP/0/B/1000/029, (Fire Brigade Response).
- \_\_\_\_\_ 1.12    **IAAT**    A Security Event is in progress,
- THEN**    Verify that the 15 minute notification for the Security event has been made to the  
NRC.

{12}

Emergency Coordinator Parallel Actions

\_\_\_\_ 1.13 **IAAT** A hazardous substance has been released,

**THEN** Initiate RP/0/B/1000/017, (Spill Response).

**NOTE:** Priority should be placed on providing treatment for the most life-threatening event (i.e., medical versus 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 life saving missions.

\_\_\_\_ 1.14 **IAAT** A medical response is required,

**THEN** Initiate RP/0/B/1000/016, (MERT Activation Procedure For Medical, Confined Space and High Angle Rescue Emergencies)

\_\_\_\_ 1.14.1 Document verbal approval of Planned Emergency Exposures required for life saving missions in the Control Room Emergency Coordinator Log.

**Enclosure 4.5**  
**Emergency Coordinator Parallel Actions**

RP/0/B/1000/002  
Page 4 of 5

\_\_\_\_\_ 1.15 Select from the following and announce over the Plant Public Address System:

\_\_\_\_\_ **Drill Message:**

Attention all site personnel. This is \_\_\_\_\_ (name). I am the Emergency Coordinator.

This is a drill. This is a drill

- At this time a \_\_\_\_\_ (emergency classification) has been declared for \_\_\_\_\_ (affected unit).
- The current plant condition is \_\_\_\_\_ (stable, degrading, improving, what has happened, etc.).
- **IF** A release has occurred or is suspected **AND/OR** a site assembly has been activated

**THEN** Announce the following:

No eating or drinking until the area is cleared by RP.

\_\_\_\_\_ **Emergency Message**

Attention all site personnel. This is \_\_\_\_\_ (name). I am the Emergency Coordinator.

This is an emergency message.

- At this time a \_\_\_\_\_ (emergency classification) has been declared for \_\_\_\_\_ (affected unit).
- The current plant condition is \_\_\_\_\_ (stable, degrading, improving, what has happened, etc.).
- **IF** A release has occurred or is suspected **AND/OR** a site assembly has been activated

**THEN** Announce the following:

No eating or drinking until the area is cleared by RP

**Enclosure 4.5**  
**Emergency Coordinator Parallel Actions**

RP/0/B/1000/002  
Page 5 of 5

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

**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.

Items to consider for operation of the Outside Air Booster Fans: Security events, Smoke or toxic gases may enter the Control Room, RIA-39 in ALARM, Dose levels in CR/TSC/OSC

\_\_\_\_ 1.16 Evaluate operation of the Outside Air Booster Fans.

**NOTE:** 10CFR50.54(x) 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 an SRO at minimum.

Implementation of Oconee Severe Accident Guidelines (OSAG) requires the use of 10CFR50.54 (x) and (y) provisions.

\_\_\_\_ 1.17 **IAAT** Plant conditions require a decision to implement 10CFR50.54(x),

**THEN** Perform the following Steps:

\_\_\_\_ 1.17.1 Document decision and actions taken in the affected unit's log.

\_\_\_\_ 1.17.2 Document decision and actions taken in the Emergency Coordinator Log.

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

\_\_\_\_ 1.17.3 Direct the CR NRC Communicator to report decision and actions taken to the NRC.

\_\_\_\_ 1.18 ENSURE Site Assembly has been considered, is in progress, or complete. Refer to RP/0/A/1000/009, Procedure for Site Assembly.

**Enclosure 4.6**  
**Radiation Monitoring**

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

**NOTE:** Refer to the appropriate enclosures in RP/0/A/1000/001, (Emergency Classification) to determine the Emergency Classification.

Indication	Value	Reference Enclosure
RIA-3	Valid High Alarm	4.3
RIA-6	Valid High Alarm	4.3
RIA-7	$\geq 150$ mRad/Hr	4.3
RIA-8	$\geq 4200$ mRad/Hr	4.3
RIA-10	$\geq 830$ mRad/Hr	4.3
RIA-11	$\geq 210$ mRad/Hr	4.3
RIA-12	$\geq 800$ mRad/Hr	4.3
RIA-13	$\geq 650$ mRad/Hr	4.3
RIA-15	$\geq 5000$ mRad/Hr	4.3
RIA-16	is or has been in High <u>or</u> Alert alarm ( $>2.5$ mR/Hr)	N/A
RIA-17	is or has been in High <u>or</u> Alert alarm ( $>2.5$ mR/Hr)	N/A
RIA-33	$\geq 4.06E06$ cpm for $> 60$ minutes <u>or</u> in High Alarm	4.3
RIA-41	Valid High Alarm	4.3
RIA-45	$\geq 1.33E06$ cpm for $> 60$ minutes	4.3
RIA-46	$\geq 2.09E04$ cpm or $\geq 2.09E05$ or $\geq 2.09E06$ for $> 15$ minutes	4.3
RIA-49	Valid High Alarm	4.3
1,3RIA-57	$\geq 1.0$ R/Hr	4.1
2RIA-57	$\geq 1.6$ R/Hr	4.1
1,2,3RIA-58	$\geq 1.0$ R/Hr	4.1
RIA-57/58	$\geq$ RP/0/B/1000/001 Encl. 4.8 values	4.3
Projected Dose Calculations	$> 100$ mrem TEDE or $> 500$ mrem CDE Adult Thyroid at Site Boundary	4.3, 4.7
Analyzed Field Monitoring Surveys	$\geq 500$ mrem CDE Adult Thyroid on one hour of inhalation	4.3
Field Monitoring Indications	$\geq 100$ mRad/Hr at Site Boundary expected to continue for $> one$ hour	4.3
Control Room, CAS, or Radwaste CR Radiation Levels	Valid Reading $\geq 15$ mRad/Hr	4.3
Damaged Spent Fuel Storage Cask at ISFSI	1 R/Hr reading at 1 foot	4.3
Portable Monitor on Main or Spent Fuel Bridge	Unplanned Valid Reading Increase or High Alarm	4.3
Liquid Release	$> SLC 16.11.1$ values	4.3
Gaseous Release	$> SLC 16.11.2$ values	4.3

**Enclosure 4.7**  
**Summary of IAAT Steps**

RP/0/B/1000/002  
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**IF AT ANY TIME:**

**Immediate Actions**

- (2.6) changing plant conditions require an emergency classification upgrade...
- (2.7) The Hydro Group notified the control room that Condition A, Imminent or Actual Dam Failure (Keowee or Jocassee) or Condition B at Keowee exists...
- (2.14) abnormal radiation levels or releases are occurring or have occurred...

**Subsequent Actions**

- (3.1) an Unusual Event classification is being terminated...
- (3.2) the TSC or EOF is ready to accept turnover...

**Enclosure 4.5, Emergency Coordinator Assistant's Parallel Actions**

- (1.1) changing plant conditions require an emergency classification upgrade...
- (1.5) plant conditions require NRC notification under 10CFR50.72...
- (1.7) the OSM directs that a Site Assembly be initiated...
- (1.8) any Area Radiation Monitor is increasing or in ALARM, **OR** a Steam Line Break has occurred,
- (1.10) if notified by the Hydro Group that Condition A, Imminent or Actual Dam Failure (Keowee or Jocassee) **OR** Condition B (Keowee) exists...
- (1.11) large scale fire or flood damage has occurred **OR** is occurring...
- (1.12) a Security Event is in progress...
- (1.13) a hazardous substance has been released...
- (1.14) a medical response is required...
- (1.17) plant conditions require a decision to implement 10CFR50.54(x)...

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

RP/0/B/1000/002  
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**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     REFER TO Enclosure 4.4, ERO Pager Activation, and select the appropriate Button(s) to be activated by Security.

_____	ONS Emergency	<b>Button 1</b>
_____	ONS Emergency Bridges	<b>Button 2</b>
_____	ONS Drill	<b>Button 3</b>
_____	ONS Drill Bridges	<b>Button 4</b>
_____	Alternate TSC/OSC	<b>Button 5</b>
_____	Emergency <u>AND</u> a Security Event In Progress	<b>Button 6</b>
_____	Drill <u>AND</u> a Security Event In Progress	<b>Button 10</b>



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

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

\_\_\_\_\_ 2.1.2      Notify Security

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

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

- \_\_\_\_\_ B.    Identify yourself and provide call back number.

- \_\_\_\_\_ C.    Read the following information to the Security Officer:

"The Emergency Response Organization is being activated for an emergency related to Unit # \_\_\_\_\_. The Control Room has been unsuccessful in activating the ERO Pagers. Security is being requested to activate the pagers from the Security Switchboard or SAS.

- \_\_\_\_\_ D.    Request the Security Officer to pull a copy of Security Procedure SP/C/1629-O, (Security Support of Site Emergency Response) and go to Enclosure 4, Step 1 and place a check beside the Button numbers as you provide them.

- \_\_\_\_\_ E.    Provide Button numbers that you identified in Step 2.1.1.

- \_\_\_\_\_ F.    Request the Security Officer to activate ERO Pagers using the Button(s) numbers just provided.

- \_\_\_\_\_ G.    Record time requested.

Time request made: \_\_\_\_\_

\_\_\_\_\_ 2.1.3      Return to Enclosure 4.4, Step 1.13.

**Enclosure 4.9**  
**Event Prognosis Definitions**

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

The following definitions apply when determining Event Prognosis for completing line #8 on the Emergency Notification Form.

**Degrading:** Plant conditions involve at least one of the following:

- Plant parameters (ex. temperature, pressure, level, voltage, frequency) are trending unfavorably away from expected or desired values AND plant conditions could result in a higher classification or Protective Action Recommendation (PAR) before the next follow-up notification.
- Site conditions (ex. wind, ice/snow, ground tremors, hazardous/toxic/radioactive material leak, fire, Security event) impacting plant operations or personnel safety are worsening AND plant conditions could result in a higher classification or Protective Action Recommendation (PAR) before the next follow-up notification

**Improving:** Plant conditions involve at least one of the following:

- Plant parameters (ex. temperature, pressure, level, voltage, frequency) are trending favorably toward expected or desired values AND plant conditions could result in a lower classification or emergency termination before the next follow-up notification.
- Site conditions (ex. wind, ice/snow, ground tremors hazardous/toxic/radioactive material leak, fire, Security event) have become less of a threat to plant operations or personnel safety AND plant conditions could result in a lower classification or emergency termination before the next follow-up notification.

**Stable:** Plant conditions are neither degrading nor improving.

{10}

1. PIP O-01-01395
2. PIP O-01-03460
3. PIP O-01-03696
4. PIP O-02-01452
5. PIP O-02-03705
6. PIP-O-04-06494
7. PIP-O-04-04755
8. PIP-O-04-07469
9. PIP-O-05-01642
10. PIP-O-05-03349
11. PIP-O-05-02980
12. PIP-O-05-04697
13. PIP-O-07-06549
14. PIP-O-08-01712
15. PIP-O-13-01001
16. PIP O-12-03091

## §50.54(q) Screening Evaluation Form

**Activity Description and References:** RP/0/B/1000/002, Control Room Emergency Coordinator Procedure, Revision 025

**BLOCK 1**

Step 2.7 – Deleted “all EALS or” from the NOTE for this step.

Step 2.7.11 – Deleted “Concurrent EALS” from the NOTE for this step.

Both changes are being made to delete the guidance to include “EALS” numbers from Line 13 of the Emergency Notification Form (ENF). Recent guidance was provided by a Region II NRC Inspector that if you include EALS for concurrent classifications but failed to include all of them then you should consider the ENF as not having been accurately completed.

Reference PIP O-12-07801

**Activity Scope:**

**BLOCK 2**

- ☒ The activity is a *change* to the *emergency plan*
- ☐ The activity is not a *change* to the *emergency plan*

**Change Type:**

**BLOCK 3**

**Change Type:**

**BLOCK 4**

- ☐ The change is editorial or typographical
- ☒ The change is not editorial or typographical

- ☐ The change does conform to an activity that has prior approval
- ☒ The change does not conform to an activity that has prior approval

**Planning Standard Impact Determination:**

**BLOCK 5**

- ☐ §50.47(b)(1) – Assignment of Responsibility (Organization Control)
- ☐ §50.47(b)(2) – Onsite Emergency Organization
- ☐ §50.47(b)(3) – Emergency Response Support and Resources
- ☐ §50.47(b)(4) – **Emergency Classification System\***
- ☐ §50.47(b)(5) – **Notification Methods and Procedures\***
- ☐ §50.47(b)(6) – Emergency Communications
- ☐ §50.47(b)(7) – Public Education and Information
- ☐ §50.47(b)(8) – Emergency Facility and Equipment
- ☐ §50.47(b)(9) – **Accident Assessment\***
- ☐ §50.47(b)(10) – **Protective Response\***
- ☐ §50.47(b)(11) – Radiological Exposure Control
- ☐ §50.47(b)(12) – Medical and Public Health Support
- ☐ §50.47(b)(13) – Recovery Planning and Post-accident Operations
- ☐ §50.47(b)(14) – Drills and Exercises
- ☐ §50.47(b)(15) – Emergency Responder Training
- ☐ §50.47(b)(16) – Emergency Plan Maintenance

**\*Risk Significant Planning Standards**

- ☒ The proposed activity does not impact a Planning Standard.

Deleting the guidance in the NOTE so that concurrent EALS are not include on Line 13 of the ENF does not impact the meaning or intent of the emergency notification for which the classification was based, change facilities or equipment used in notification or the process for completing notifications to offsite agencies. The inclusion of the reference to EALS had only recently been added to give the procedure user some guidance on what should be considered for inclusion in the note. Removal of this guidance is based on input from a regional regulator.

**Commitment Impact Determination:****BLOCK 6**☐ The activity does involve a site specific EP commitment

Record the commitment or commitment reference: \_\_\_\_\_

☒ The activity does not involve a site specific EP commitment**Results:****BLOCK 7**☒ The activity can be implemented without performing a §50.54(q) effectiveness evaluation☐ The activity cannot be implemented without performing a §50.54(q) effectiveness evaluation

Preparer Name:

Robert Taylor

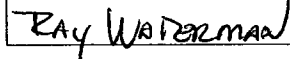
Preparer Signature



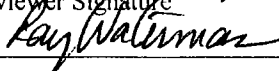
Date:

3-20-13

Reviewer Name:



Reviewer Signature



Date:

3-21-13

Revision 12

## §50.54(q) Screening Evaluation Form

<b>Activity Description and References:</b> RP/0/B/1000/002, Control Room Emergency Coordinator Procedure, Revision 025.		<b>BLOCK 1</b>
Change: Enclosure 4.3, page 2 of 3, step 2.2.1, replaced number 6837 with number 6839. Reason for change: The number 6837 was a typo and should be 6839, this was verified with Hydro personnel. Editorial change.		
<b>Activity Scope:</b> <input checked="" type="checkbox"/> The activity <u>is</u> a <i>change</i> to the <i>emergency plan</i> <input type="checkbox"/> The activity <u>is not</u> a <i>change</i> to the <i>emergency plan</i>		<b>BLOCK 2</b>
<b>Change Type:</b> <input checked="" type="checkbox"/> The change <u>is</u> editorial or typographical <input type="checkbox"/> The change <u>is not</u> editorial or typographical	<b>Change Type:</b> <input type="checkbox"/> The change <u>does</u> conform to an activity that has prior approval <input type="checkbox"/> The change <u>does not</u> conform to an activity that has prior approval	<b>BLOCK 3</b> <b>BLOCK 4</b>
<b>Planning Standard Impact Determination:</b> <input type="checkbox"/> §50.47(b)(1) – Assignment of Responsibility (Organization Control) <input type="checkbox"/> §50.47(b)(2) – Onsite Emergency Organization <input type="checkbox"/> §50.47(b)(3) – Emergency Response Support and Resources <input type="checkbox"/> §50.47(b)(4) – <b>Emergency Classification System*</b> <input type="checkbox"/> §50.47(b)(5) – <b>Notification Methods and Procedures*</b> <input type="checkbox"/> §50.47(b)(6) – Emergency Communications <input type="checkbox"/> §50.47(b)(7) – Public Education and Information <input type="checkbox"/> §50.47(b)(8) – Emergency Facility and Equipment <input type="checkbox"/> §50.47(b)(9) – <b>Accident Assessment*</b> <input type="checkbox"/> §50.47(b)(10) – <b>Protective Response*</b> <input type="checkbox"/> §50.47(b)(11) – Radiological Exposure Control <input type="checkbox"/> §50.47(b)(12) – Medical and Public Health Support <input type="checkbox"/> §50.47(b)(13) – Recovery Planning and Post-accident Operations <input type="checkbox"/> §50.47(b)(14) – Drills and Exercises <input type="checkbox"/> §50.47(b)(15) – Emergency Responder Training <input type="checkbox"/> §50.47(b)(16) – Emergency Plan Maintenance <b>*Risk Significant Planning Standards</b> <input checked="" type="checkbox"/> The proposed activity does not impact a Planning Standard <div style="margin-top: 5px;"> <i>RET</i>  <i>3-20-13</i> </div>		<b>BLOCK 5</b>
<b>Commitment Impact Determination:</b> <input type="checkbox"/> The activity <u>does</u> involve a site specific EP commitment Record the commitment or commitment reference: _____ <input checked="" type="checkbox"/> The activity <u>does not</u> involve a site specific EP commitment <div style="margin-top: 5px;"> <i>RET</i>  <i>3-20-13</i> </div>		<b>BLOCK 6</b>

## 3.10 10CFR 50.54(q) Evaluations

## Screening Evaluation Results:

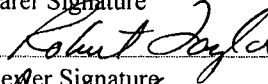
BLOCK 7

- ☒ The activity can be implemented without performing a §50.54(q) effectiveness evaluation  
☐ The activity cannot be implemented without performing a §50.54(q) effectiveness evaluation

Preparer Name:

Robert Taylor

Preparer Signature



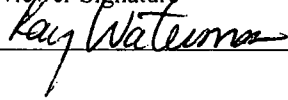
Date:

3-20-13

Reviewer Name:

Ray Waterman

Reviewer Signature



Date:

3-21-13

## §50.54(q) Screening Evaluation Form

**Activity Description and References:** RP/0/B/1000/002, Control Room Emergency Coordinator Procedure, Revision 025.

BLOCK 1

Enclosure 4.4, Note for Step 1.2 - Added a new bullet with the following guidance:

"In the event of station blackout, the alternate TSC/OSC should be considered to minimize heat loading in the Control Rooms due to excess personnel."

This change is being made in regards to a heat load reduction in the Control Rooms during a Station Blackout. The OSM/CR EC needed guidance to ensure alternate TSC/OSC was activated to assist in this heat load reduction in the Control Room envelope. See PIP O-13-1001.

**Activity Scope:**

BLOCK 2

- ☒ The activity is a *change* to the *emergency plan*  
☐ The activity is not a *change* to the *emergency plan*

**Change Type:**

BLOCK 3

- ☐ The change is editorial or typographical  
☒ The change is not editorial or typographical

**Change Type:**

BLOCK 4

- ☐ The change does conform to an activity that has prior approval  
☒ The change does not conform to an activity that has prior approval

**Planning Standard Impact Determination:**

BLOCK 5

- ☐ §50.47(b)(1) – Assignment of Responsibility (Organization Control)  
☐ §50.47(b)(2) – Onsite Emergency Organization  
☐ §50.47(b)(3) – Emergency Response Support and Resources  
☐ §50.47(b)(4) – **Emergency Classification System\***  
☒ §50.47(b)(5) – **Notification Methods and Procedures\***  
☐ §50.47(b)(6) – Emergency Communications  
☐ §50.47(b)(7) – Public Education and Information  
☐ §50.47(b)(8) – Emergency Facility and Equipment  
☐ §50.47(b)(9) – **Accident Assessment\***  
☐ §50.47(b)(10) – **Protective Response\***  
☐ §50.47(b)(11) – Radiological Exposure Control  
☐ §50.47(b)(12) – Medical and Public Health Support  
☐ §50.47(b)(13) – Recovery Planning and Post-accident Operations  
☐ §50.47(b)(14) – Drills and Exercises  
☐ §50.47(b)(15) – Emergency Responder Training  
☐ §50.47(b)(16) – Emergency Plan Maintenance

**\*Risk Significant Planning Standards**

*It was evaluated that 50.47(b)(5) would be impacted by this revision*

- ☐ The proposed activity does not impact a Planning Standard

**Commitment Impact Determination:**

BLOCK 6

- ☐ The activity does involve a site specific EP commitment  
 Record the commitment or commitment reference: \_\_\_\_\_  
☒ The activity does not involve a site specific EP commitment



## 3.10 10CFR 50.54(q) Evaluations

## Screening Evaluation Results:

BLOCK 7

- ☐ The activity can be implemented without performing a §50.54(q) effectiveness evaluation
- ☒ The activity cannot be implemented without performing a §50.54(q) effectiveness evaluation

Preparer Name:

Robert Taylor

Preparer Signature



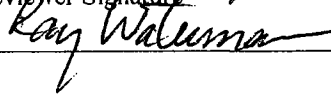
Date:

3-20-13

Reviewer Name:

Ray Waterman

Reviewer Signature



Date:

3-21-13

**§50.54(q) Effectiveness Evaluation Form**

**Activity Description and References:** RP/0/B/1000/002, Control Room Emergency Coordinator Procedure, Revision 025.

**Block 1**

Change:

Enclosure 4.4, Note for Step 1.2 - Added a new bullet with the following guidance:

"In the event of station blackout, the alternate TSC/OSC should be considered to minimize heat loading in the Control Rooms due to excess personnel."

This change is being made to address the following requirement:

An Ops Guide was issued on 1-28-13 with the following required actions until this information can be included in RP/0B/1000/002.

"In the event of a Station Blackout, the EC will utilize RP/0/B/1000/002 (Control Room Emergency Coordinator Procedure) enclosure 4.4 (ERO Pager Activation) to notify responding ERO personnel to activate the alternate TSC/OSC"

The SSF Comprehensive Review team has identified that there is no direction to ensure the number of people in the Units 1 & 2 Control Room Envelope is reduced to at most 10 within 30 minutes of a Station Blackout Event as required by Calculation OSC-6667 referenced in SLC 16.8.1 Bases.

Calculation OSC-6667 includes statements in Attachment 2, Addenda 2, Items 1 and 3.1.b, summarized as follows:

- Reduce number of people in the Units 1 & 2 Control Room from 40 (Ref. Addenda 1 table 5.1 notes) to 10. This will be accomplished by using alternative OSC/TSC locations in the Oconee Office Building.

- This reduction in heat load is assumed to occur within the first 30 minutes of the event.

No Emergency Response or Operations guidance could be found to ensure the OSC-6667 statements are met.

The letter to the NRC from J. W. Hampton to USNRC Document Control Desk dated July 1, 1992, 3rd paragraph, includes a commitment to ensure controls are in place to maintain command and control from the normal plant control room for the full four hour coping duration applicable to Oconee. SLC 16.8.1, Control of Room Temperature for Station Blackout, documents the commitment and provides guidance to ensure initial temperature requirements are met to support the Station Blackout Rule. SLC 16.8.1, bases reference 4, Calculation OSC-6667, Auxiliary Building & Turbine Building Loss of Cooling/Ventilation Analysis, provides documentation of assumptions made to ensure the temperature requirements are met during the entire coping duration of a Station Blackout.

The Alternate TSC/OSC may be used in a Blackout condition as an option directed by the Emergency Coordinator.

This change is in regards to a heat load reduction in the Control Rooms during a Station Blackout. The OSM/CR EC needed guidance to ensure alternate TSC/OSC was activated to assist in this heat load reduction in the Control Room envelope. See PIP O-13-1001.

## 3.10 10CFR 50.54(q) Evaluations

**Activity Type:****BLOCK 2**

- ☒ The activity is a *change* to the *emergency plan*  
☐ The activity affects implementation of the *emergency plan*, but is not a *change* to the *emergency plan*

**Impact and Licensing Basis Determination:****BLOCK 3**

The addition of verbiage for ERO activation to the Alternate TSC/OSC was added because of heat load concerns/requirements due to a Station Blackout. Adding the need to notify the ERO to respond to the Alternate facilities will help reduce the staffing of the Control Room envelope thus reducing the heat load. This needed to be captured in the Control Room Emergency Coordinator procedure to ensure we comply with Calculation OSC-6667. The OSM will ensure Control Room resources will be reduced to at least 10 people by this action. Reference pip O-13-1001

Licensing Basis:

- *The Emergency Program for the Duke Energy Company's Oconee Nuclear Site consists of the Oconee Nuclear Site Emergency Plan and related implementing procedures. Emergency plan implementing procedures define the specific actions to be followed in order to recognize, assess, and correct an emergency condition and to mitigate its consequences. The emergency preparedness programs have the following objectives:*

1. *Effective coordination of emergency activities among all organizations having a response role.*
2. *Early warning and clear instructions to the population-at-risk in the event of a serious radiological emergency.*
3. *Continued assessment of actual or potential consequences both on-site and off-site.*
4. *Effective and timely implementation of emergency measures.*
5. *Continued maintenance of an adequate state of emergency preparedness. This evaluation addresses the need to upgrade the guidance in the Control Room Emergency Coordinator Procedure. The licensing basis says we will have procedures and processes in place to effectively assess and coordinate activities among all organizations that have response responsibilities. The Off-site Agencies and the stations ERO will be a part of this response and the communications necessary to assist in the mitigation strategies. See UFSAR attached.*

**Compliance Evaluation and Conclusion:****BLOCK 4**1. Evaluation:

PIP O-13-1001 - Change is in regards to a heat load reduction in the Control Rooms during a Station Blackout. The OSM/CR EC needed guidance to ensure alternate TSC/OSC was activated to assist in this heat load reduction in the Control Room envelope. The SSF Comprehensive Review team has identified that there is no direction to ensure the number of people in the Units 1 & 2 Control Room Envelope is reduced to at most 10 within 30 minutes of a Station Blackout Event as required by Calculation OSC-6667 referenced in SLC 16.8.1 Bases.

Calculation OSC-6667 includes statements in Attachment 2, Addenda 2, Items 1 and 3.1.b, summarized as follows:

- Reduce number of people in the Units 1 & 2 Control Room from 40 (Ref. Addenda 1 table 5.1 notes) to 10. This will be accomplished by using alternative OSC/TSC locations in the Oconee Office Building.
- This reduction in heat load is assumed to occur within the first 30 minutes of the event.

The addition of this guidance to notify the ERO and have them staff the Alternate TSC/OSC was evaluated to provide enhancement to control operation and to provide the ERO with a safer, more conducive environment to a command and control atmosphere powered by back up generators.

Conclusion:

The proposed activity ☒ does / ☐ does not continue to comply with the requirements.

**Reduction in Effectiveness (RIE) Evaluation and Conclusion:****BLOCK 5****1. Evaluation:**

The function to activate the ERO has been enhanced to provide direction for the ERO to respond to the alternate Facilities should the station experience a Blackout. The Control Room Emergency Coordinator procedure will now contain the guidance in Enclosure 4.4 for the OSM/Emergency Coordinator to consider activating the ERO to respond to the Alternate TSC/OSC. This action limits the increase in heat loading in the Control Rooms by limiting the number of personnel reporting there. Implementation of the proposed activity will continue to fulfill the function of having the ERO respond to the plant in the event of an emergency. Utilization of this guidance by the Control Room Emergency Coordinator will enhance the ability of the Control Room to continue to function by limiting the increase in heat loading on the performance of both Control Room personnel and the equipment itself. ERO responders will also be able to perform in a more desirable environment in that the Oconee Office Building which is where the alternate facility is located has back-up power. As such, implementation of the proposed activity will not be a reduction in the effectiveness of the ERO response requirements.


**Conclusion:**

Based on this evaluation it is determined that implementation of the proposed activity does not reduce the effectiveness of the emergency plan in that the function of activating the ERO for a Station Blackout or for any other emergency event is still performed per procedural guidance and is not adversely impacted, but is improved.

The proposed activity ☐ does / ☒ does not constitute a RIE.

**Effectiveness Evaluation Results****BLOCK 6**

- ☒ The activity does continue to comply with the requirements of §50.47(b) and §50 Appendix E **and** the activity does not constitute a reduction in effectiveness. Therefore, the activity can be implemented without prior approval.
- ☐ The activity does not continue to comply with the requirements of §50.47(b) and §50 Appendix E **or** the activity does constitute a reduction in effectiveness. Therefore, the activity cannot be implemented without prior approval.

Preparer Name: Robert Taylor	Preparer Signature 	Date: 3-20-13
Reviewer Name: Ray Waterman	Reviewer Signature 	Date: 3-21-13
Approver Name: PATRICK M STREIB	Approver Signature 	Date: 3/25/13

## §50.54(q) Screening Evaluation Form

**Activity Description and References:** RP/0/B/1000/002, Control Room Emergency Coordinator Procedure

**BLOCK 1**

The addition of a slash or to the note before step 2.11 clarifies the intent to activate either or both facilities as necessary.

**Activity Scope:**

**BLOCK 2**

- ☐ The activity is a *change* to the *emergency plan*
- ☒ The activity is not a *change* to the *emergency plan*

**Change Type:**

**BLOCK 3**

**Change Type:**

**BLOCK 4**

- ☒ The change is editorial or typographical
- ☐ The change is not editorial or typographical
- ☐ The change does conform to an activity that has prior approval
- ☐ The change does not conform to an activity that has prior approval

**Planning Standard Impact Determination:**

**BLOCK 5**

- ☐ §50.47(b)(1) – Assignment of Responsibility (Organization Control)
- ☐ §50.47(b)(2) – Onsite Emergency Organization
- ☐ §50.47(b)(3) – Emergency Response Support and Resources
- ☐ §50.47(b)(4) – Emergency Classification System\*
- ☐ §50.47(b)(5) – Notification Methods and Procedures\* (change 2 only)
- ☐ §50.47(b)(6) – Emergency Communications (change 2 only)
- ☐ §50.47(b)(7) – Public Education and Information
- ☐ §50.47(b)(8) – Emergency Facility and Equipment
- ☐ §50.47(b)(9) – Accident Assessment\*
- ☐ §50.47(b)(10) – Protective Response\*
- ☐ §50.47(b)(11) – Radiological Exposure Control
- ☐ §50.47(b)(12) – Medical and Public Health Support
- ☐ §50.47(b)(13) – Recovery Planning and Post-accident Operations
- ☐ §50.47(b)(14) – Drills and Exercises
- ☐ §50.47(b)(15) – Emergency Responder Training
- ☐ §50.47(b)(16) – Emergency Plan Maintenance

**\*Risk Significant Planning Standards**

- ☐ The proposed activity does not impact a Planning Standard

**Commitment Impact Determination:**

**BLOCK 6**

- ☐ The activity does involve a site specific EP commitment
- Record the commitment or commitment reference: \_\_\_\_\_
- ☐ The activity does not involve a site specific EP commitment

**Results:**

**BLOCK 7**

- ☒ The activity can be implemented without performing a §50.54(q) effectiveness evaluation
- ☐ The activity cannot be implemented without performing a §50.54(q) effectiveness evaluation

Preparer Name:  
John Kaminski

Preparer Signature

*[Signature]*

Date:  
04/02/13

Reviewer Name:  
Ray Waterman

Reviewer Signature

*[Signature]*

Date:  
4-2-13

## §50.54(q) Screening Evaluation Form

**Activity Description and References:** RP/0/B/1000/002, Control Room Emergency Coordinator Procedure

**BLOCK 1**

**Added Note to step 2.1.3 which states:**

- GETS cards are available in the GETS Binder located in the TSC Supply Cabinet. Their use will enable communications when phone lines are busy or overloaded. See instructions on back of card.
- For communications failures, see RP/0/A/1000/015A, Offsite Communications From The Control Room, Enclosure 4.9 Alternate Method and Sequence to Contact Agencies.
- Satellite Telephones are available in all Control Rooms, the TSC and the OSC. They can be used when other means of communication have failed.

**Activity Scope:**

**BLOCK 2**

- ☐ The activity is a *change* to the *emergency plan*
- ☒ The activity is not a *change* to the *emergency plan*

**Change Type:**

**BLOCK 3**

**Change Type:**

**BLOCK 4**

- ☐ The change is editorial or typographical (change 1)
- ☒ The change is not editorial or typographical (change 2)

- ☐ The change does conform to an activity that has prior approval
- ☒ The change does not conform to an activity that has prior approval

**Planning Standard Impact Determination:**

**BLOCK 5**

- ☒ §50.47(b)(1) – Assignment of Responsibility (Organization Control)
- ☐ §50.47(b)(2) – Onsite Emergency Organization
- ☐ §50.47(b)(3) – Emergency Response Support and Resources
- ☐ §50.47(b)(4) – Emergency Classification System\*
- ☒ §50.47(b)(5) – Notification Methods and Procedures\* (change 2 only)
- ☒ §50.47(b)(6) – Emergency Communications (change 2 only)
- ☐ §50.47(b)(7) – Public Education and Information
- ☐ §50.47(b)(8) – Emergency Facility and Equipment
- ☐ §50.47(b)(9) – Accident Assessment\*
- ☐ §50.47(b)(10) – Protective Response\*
- ☐ §50.47(b)(11) – Radiological Exposure Control
- ☐ §50.47(b)(12) – Medical and Public Health Support
- ☐ §50.47(b)(13) – Recovery Planning and Post-accident Operations
- ☐ §50.47(b)(14) – Drills and Exercises
- ☐ §50.47(b)(15) – Emergency Responder Training
- ☐ §50.47(b)(16) – Emergency Plan Maintenance

**\*Risk Significant Planning Standards**

- ☐ The proposed activity does not impact a Planning Standard

**Commitment Impact Determination:**

**BLOCK 6**

- ☐ The activity does involve a site specific EP commitment
- Record the commitment or commitment reference: \_\_\_\_\_
- ☒ The activity does not involve a site specific EP commitment

**Results:****BLOCK 7**

- ☐ The activity can be implemented without performing a §50.54(q) effectiveness evaluation
- ☒ The activity cannot be implemented without performing a §50.54(q) effectiveness evaluation

Preparer Name:  
John Kaminski

Preparer Signature

Date:  
04/02/2013

Reviewer Name:  
Ray Waterman

Reviewer Signature

Date:  
04/02/2013

Revision 1

**3.10 10CFR 50.54(q) Evaluations****Emergency Planning Functional Area Manual**

Attachment 3.10.7.2

**§50.54(q) Effectiveness Evaluation Form**

**Activity Description and References:** RP/0/B/1000/002, Control Room Emergency Coordinator Procedure

**BLOCK 1****Added Note to step 2.1.3 which states:**

- GETS cards are available in the GETS Binder located in the TSC Supply Cabinet. Their use will enable communications when phone lines are busy or overloaded. See instructions on back of card.
- For communications failures, see RP/0/A/1000/015A, Offsite Communications From The Control Room, Enclosure 4.9 Alternate Method and Sequence to Contact Agencies.
- Satellite Telephones are available in all Control Rooms, the TSC and the OSC. They can be used when other means of communication have failed.

**Activity Type:****BLOCK 2**

- ☐ The activity is a *change* to the *emergency plan*
- ☒ The activity affects implementation of the *emergency plan*, but is not a *change* to the *emergency plan*

**Impact and Licensing Basis Determination: (Change 2 only)**

**BLOCK 3**

1. 10CFR50.47b.5
2. 10CFR50.47b.6
3. 10CFR50 Appendix E.IV.D.3
4. NUREG 0654 II.E.1, E.2, E.3, E.4
5. NUREG 0654 II.F.1a, F.1b, F.1c, F.1d,
6. ONS Site Emergency Plan Section E.1, E.2, E.3, E.4 Notification Rev 2008-02
7. ONS Site Emergency Plan Section F.1, F.1a, F.1b, F.1d, Communications Rev 12-05

Licensing Basis:

1. 10CFR50.47b.5 states: Procedures have been established for notification, by the licensee, of State and local response organizations and for notification of emergency personnel by all organizations; the content of initial and follow-up messages to response organizations and the public has been established; and means to provide early notification and clear instruction to the populace within the plume exposure pathway Emergency Planning Zone have been established.
2. 10CFR50.47b.6 states: Provisions exist for prompt communications among principal response organizations to emergency personnel and to the public.
3. 10CFR50 Appendix E.IV.D.3 states: A licensee shall have the capability to notify responsible State and local governmental agencies within 15 minutes after declaring an emergency. The licensee shall demonstrate that the appropriate governmental authorities have the capability to make a public alerting and notification decision promptly on being informed by the licensee of an emergency condition.
4. NUREG 0654 II.E states: Procedures have been established for notification, by the licensee of State and local response organizations and for notification of emergency personnel by all response organizations; the content of initial and follow-up messages to response organizations and the public has been established; and means to provide early notification and clear instruction to the populace within the plume exposure pathway Emergency Planning Zone have been established.
  - a. NUREG 0654 II.E.1 states: Each organization shall establish procedures which describe mutually agreeable bases for notification of response organizations consistent with the emergency classification and action level scheme set forth in Appendix 1. These procedures shall include means for verification of messages. The specific details of verification need not be included in the plan.
  - b. NUREG 0654 II.E.2 states: Each organization shall establish procedures for alerting, notifying, and mobilizing emergency response personnel.
  - c. NUREG 0654 II.E.3 states: The licensee in conjunction with State and local organizations shall establish the contents of the initial emergency messages to be sent from the plant. These measures shall contain information about the class of emergency, whether a release is taking place, potentially affected population and areas, and whether protective measures may be necessary.
  - d. NUREG 0654 II.E.4 states: Each licensee shall make provisions for follow-up messages from the facility to offsite authorities which shall contain the following information if it is known and appropriate.
5. NUREG 0654 II.F.1 states: Provisions exist for prompt communications among principal response organizations to emergency personnel and to the public.



- a. NUREG 0654 II.F.1.a states: provision for 24-hour per day notification to and activation of the State/local emergency response network; and at a minimum, a telephone link and alternate, including 24- hour per day manning of communications links that initiate emergency response actions
  - b. NUREG 0654 II.F.1.b states: provision for communications with contiguous State/local governments within the Emergency Planning Zones
  - c. NUREG 0654 II.F.1.c states: provision for communications as needed with Federal emergency response
  - d. NUREG0654 II.F.1.d. states: provision for communications between the nuclear facility and the licensee's near-site Emergency Operations Facility, State and local emergency operations centers, and radiological monitoring teams.
6. ONS Site Emergency Plan Section E. Notification Rev 2008-02, section E.1 and E.2 state: organizations that is consistent with the emergency classification and action level scheme. An Emergency Organization Recall has been developed for the augmentation of support during an emergency situation. Figures A-2A and A-2B illustrate the methods used by the Operations Shift Manager/Emergency Coordinator to activate the Emergency Response Organization.

ONS Site Emergency Plan Section E. Notification Rev 2008-02, section E.3 and E.4 state: A single message format has been established that will be used by the Oconee Nuclear Site to properly notify Oconee and Pickens Counties and the South Carolina Emergency Management Division of an emergency situation at the facility. Notification and authentication procedures are in place for all designated agencies.

- 7 ONS Site Emergency Plan Chapter F. Communications Rev 12-05, section F.1 states: The Emergency Response Organization has been developed in such a manner to list primary and alternate personnel. Primary and backup means of communication between the Site, local government agencies, and State response organizations have been established.

ONS Site Emergency Plan Chapter F Communications Rev 12-05, section F.1a, states: Calls to activate State/County agency's emergency function are the responsibility of the Operations Shift Manager/Emergency Coordinator. These calls are made:

1. By selective signaling phone system (where applicable).
2. The site telephone system to a 24-hour emergency number.

Some agencies have numbers for designated work schedules. Numbers can be found in the Emergency Telephone Directory. A back-up radio system provides alternate communications with Oconee and Pickens Counties emergency response organizations.

ONS Site Emergency Plan Chapter F Communications Rev 12-05, section F.1b, states: On a monthly basis, a communication check is made to state and local government warning points within the Emergency Planning Zone. Communications during an emergency situation would be by selective signaling phone system, site telephone system/commercial phone service, or by radio (where appropriate).

ONS Site Emergency Plan Chapter F Communications Rev 12-05 section F.1c states: The EOF organization has the responsibility to ask for federal response. However, communication with the Nuclear Regulatory Commission from the emergency response facilities, would be by use of the Emergency Telecommunication System (ETS) located in the Control Room areas, Technical Support Center, or the Emergency Operations Facility.

ONS Site Emergency Plan Chapter F. Communications Rev 12-05, section F.1d states: The Emergency Response Organization has the following communications systems available for use during emergencies... (and lists all the various communications means available on site).

**Compliance Evaluation and Conclusion: (change 2 only)**

**BLOCK 4**

1. Evaluation:

This change adds clarifying information on how offsite communications may be performed, including the use of GETS card, the location of these cards, provides a reference for prioritizing communications methods and also provides a location for satellite phones. The change does not change the Process for Notification, and does not change the information to be communicated to the offsite agencies. The change does impact the methods to be used to Communicate with offsite agencies by providing additional means of making those communications. The addition of the note lists added means to communicate and therefore provide additional assurance of the ability to communicate when required. Therefore this change continues to assure compliance with 10CFR50.47 and 10CFR Appendix E as well as NUREG 0654 II.E. and II.F

Conclusion:

The proposed activity ☒ does / ☐ does not continue to comply with the requirements.

**Reduction in Effectiveness (RIE) Evaluation and Conclusion: (Change 2 only)**

**BLOCK 5**

1. Evaluation:

The requirements of 10CFR50.47b.5 and b.6, as well as all of the functions and elements of NUREG 0654 II.E and II.F continue to be met. The addition of a note to the procedure listing added means for communicating provides additional assurance of meeting the functions and elements of NUREG 0654. Therefore by providing additional means to assure communications ability there is no reduction in effectiveness as a result of this change.


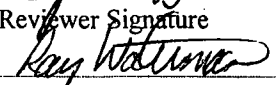
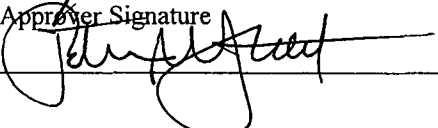
Conclusion:

The proposed activity ☐ does / ☒ does not constitute a RIE.

**Effectiveness Evaluation Results**

**BLOCK 6**

- ☒ The activity does continue to comply with the requirements of §50.47(b) and §50 Appendix E **and** the activity does not constitute a reduction in effectiveness. Therefore, the activity can be implemented without prior approval.
- ☐ The activity does not continue to comply with the requirements of §50.47(b) and §50 Appendix E **or** the activity does constitute a reduction in effectiveness. Therefore, the activity cannot be implemented without prior approval.

Preparer Name: John Kaminski	Preparer Signature 	Date: 04/02/2013
Reviewer Name: Ray Waterman	Reviewer Signature 	Date: 04/02/2013
Approver Name: Pat Street	Approver Signature 	Date: 04/02/2013

Duke Energy  
Standard Procedure for CNS, MNS & ONS  
**Notification to States and Counties from the Emergency  
Operations Facility for Catawba, McGuire and Oconee**

Procedure No.

**SR/0/A/2000/004**

Revision No.

**000**

Electronic Reference No.

**SHR0005Q**

**PERFORMANCE**

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Work Order/Task Number (WO#)

**COMPLETION**

- |                              |                             |  |
|------------------------------|-----------------------------|--|
| <input type="checkbox"/> Yes | <input type="checkbox"/> NA | Checklists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?  |
| <input type="checkbox"/> Yes | <input type="checkbox"/> NA | Required enclosures attached?  |
| <input type="checkbox"/> Yes | <input type="checkbox"/> NA | Charts, graphs, data sheets, etc. attached, dated, identified, and marked?           |
| <input type="checkbox"/> Yes | <input type="checkbox"/> NA | Calibrated Test Equipment, if used, checked out/in and referenced to this procedure? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> NA | Procedure requirements met?  |

Verified By\*

Date

Procedure Completion Approved\*

Date

*\*Printed Name and Signature*

Remarks (*attach additional pages, if necessary*)

**IMPORTANT: Do NOT mark on barcodes.**

Printed Date: \*03/18/2013\*

Enclosure No.: \*FULL\*



Revision No.: \*000\*



Procedure No.: \*SR/0/A/2000/004\*



Form 703-5. Procedure Process Record For Standard Procedures

(R08-10)

Duke Energy  
PROCEDURE PROCESS RECORD  
FOR STANDARD PROCEDURES

(1) ID No. SR/0/A/2000/004  
Revision No. 0

PREPARATION

(2) Procedure Title Notifications to States and Counties from the Emergency Operations facility for Catawba, McGuire, and Oconee

(3) Prepared By\* Ernestine M. Kuhr *Signature pages attached* Date March 5, 2013

(4) Applicable To:	<input checked="" type="checkbox"/> ONS	<input checked="" type="checkbox"/> MNS	<input checked="" type="checkbox"/> CNS
(5) Requires NSD 228 Applicability Determination	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No YES = New procedure or reissue with major changes - Attach NSD 228 documentation NO = Reissue with minor changes	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(6) Site Contact	Robert Taylor	Randy Gibson	Gary L Mitchell
Reviewed	By* <u>Robert Taylor (QR) (KI)</u> <i>Signature pages attached</i> Date <u>03/07/13</u>	By* <u>Randy Gibson (QR) (KI)</u> <i>Signature pages attached</i> Date <u>03/05/13</u>	By* <u>Gary Mitchell (QR) (KI)</u> <i>Signature pages attached</i> Date <u>03/07/13</u>
Cross-Disciplinary Review	By* _____ (QR) (KI) <u>N/A RET</u> Date <u>03/07/13</u>	By* _____ (QR) (KI) _____ Date _____	By* _____ (QR) (KI) _____ Date _____
Reactivity Mgmt. Review (QR)	By* _____ <u>N/A RET</u> Date <u>03/07/13</u>	By* _____ _____ Date _____	By* _____ _____ Date _____
Mgmt. Involvement Review (Ops.Supt.)	By* _____ <u>N/A RET</u> Date <u>03/07/13</u>	By* _____ _____ Date _____	By* _____ _____ Date _____
(7) Additional Reviews	By* _____ (QA) _____ Date _____ By* _____ _____ Date _____	By* _____ (QA) _____ Date _____ By* _____ _____ Date _____	By* _____ (QA) _____ Date _____ By* _____ _____ Date _____
(8) Approved	By* <u>T. L. Patterson</u> <i>Signature pages attached</i> Date <u>03/07/13</u>	By* <u>K. L. Murray</u> <i>Signature pages attached</i> Date <u>03/07/13</u>	By* <u>Tom Arow</u> <i>Signature pages attached</i> Date <u>03/07/13</u>
(9) Level of Use	Reference Use		

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COMPLETION

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☐ Yes ☐ NA Calibrated Test Equipment, if used, checked out/in and referenced to this procedure?  
☐ Yes ☐ NA Procedure requirements met?

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

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

(14) Remarks (Attach additional pages, if necessary)

\* Printed Name and Signature

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Nuclear Policy Manual – Volume 2

NSD 703

Form 703-5. Procedure Process Record For Standard Procedures

(R08-10)

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(6) Site Contact	<u>Robert Taylor</u>		
Reviewed	By <u>Robert Taylor</u> (QR) (KI) Date <u>3/7/13</u>	By _____ (QR) (KI) Date _____	By _____ (QR) (KI) Date _____
Cross-Disciplinary Review	By <u>N/A</u> (QR) (KI) Date <u>3/7/13</u>	By _____ (QR) (KI) Date _____	By _____ (QR) (KI) Date _____
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(7) Additional Reviews	By _____ (QA) Date _____ By _____ (QA) Date _____	By _____ (QA) Date _____ By _____ (QA) Date _____	By _____ (QA) Date _____ By _____ (QA) Date _____
(8) Approved	By <u>T.L. Patterson</u> Date <u>3/7/13</u>	By _____ Date _____	By _____ Date _____
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\* Printed Name and Signature

REVISION 32

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Form 703-5. Procedure Process Record For Standard Procedures

(R08-10)

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(1) ID No. SR/0/A/2000/004

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(3) Prepared By\* Ernestine M. Kuhr *Ernestine M. Kuhr* Date March 5, 2013

(4) Applicable To:	<input checked="" type="checkbox"/> ONS	<input checked="" type="checkbox"/> MNS	<input checked="" type="checkbox"/> CNS
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(6) Site Contact			
Reviewed	By* _____ (QR) (KI) Date _____	By* <u>Randy Gibson</u> (QR) (KI) <i>Randy Gibson</i> Date <u>3/5/13</u>	By* _____ (QR) (KI) Date _____
Cross-Disciplinary Review	By* _____ (QR) (KI) Date _____	By* _____ (QR) (KI) Date _____	By* _____ (QR) (KI) Date _____
Reactivity Mgmt. Review (QR)	By* _____ Date _____	By* _____ Date _____	By* _____ Date _____
Mgmt. Involvement Review (Ops.Supt.)	By* _____ Date _____	By* _____ Date _____	By* _____ Date _____
(7) Additional Reviews	By* _____ (QA) Date _____ By* _____ Date _____	By* _____ (QA) Date _____ By* _____ Date _____	By* _____ (QA) Date _____ By* _____ Date _____
(8) Approved	By* _____ Date _____	By* <u>Kevin L. Murray</u> <i>K.L. Murray</i> Date <u>3-7-13</u>	By* _____ Date _____
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Nuclear Policy Manual – Volume 2

NSD 703

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(R08-10)

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(6) Site Contact			<i>Gary L. M. Tchell</i>
Reviewed	By* _____ (QR) (KI) Date _____	By* _____ (QR) (KI) Date _____	By* <i>G. M. Tchell</i> (QR) (KI) <i>G. M. Tchell</i> Date <u>3-7-13</u>
Cross-Disciplinary Review	By* _____ (QR) (KI) Date _____	By* _____ (QR) (KI) Date _____	By* _____ (QR) (KI) Date _____
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(8) Approved	By* _____ Date _____	By* _____ Date _____	By* <i>Tom Arlow</i> <i>Tom Arlow</i> Date <u>3/7/13</u>
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Verified By\* \_\_\_\_\_ Date \_\_\_\_\_

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\* Printed Name and Signature

REVISION 32

1

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## Notifications to States and Counties from the Emergency Operations Facility

### 1. Purpose

- 1.1 This procedure describes the instructions for the prompt notification of State and Local response organizations in the event of a declared emergency at a Duke nuclear station.

### 2. Definitions

- 2.1 Initial Notification: The first notification made to offsite response organizations upon declaration of any emergency classification or upgrade in classification (Notification of Unusual Event, Alert, Site Area Emergency, or General Emergency).
- 2.2 Follow-up Notifications: Periodic notifications to provide update information to offsite response organizations following an Initial Notification. (Enclosure 6.1 (Emergency Notification Form (ENF) Completion) Step 1)
- 2.3 Termination Notification: The last notification sent to offsite response organizations communicating termination of the emergency.
- 2.4 WebEOC: An electronic emergency response communication system used to provide information within the licensee's emergency response facility and can be used as an option to provide information to offsite response organizations.
- 2.5 Emergency Notification Form (ENF): The document prepared by the licensee to communicate Initial and Follow-up Notifications to the offsite response organizations.
- 2.6 Other Information: Information not directly associated with the event, but important to communicate to offsite response organizations as part of the Initial or Follow-up Notifications.
- 2.7 Selective Signaling System: The primary communication method used by the licensee to communicate emergency information to offsite response organizations. The selective signaling system provides an open line capable of simultaneously connecting all offsite response organizations. The line is always active and there is no dial tone.
- 2.8 Authentication Code: A controlled list of numbers and corresponding words provided by the state(s) to "authenticate" communications between the various parties. The authentication code provides assurance to the communication "*receiver*" that information from the "*transmitter*" is valid. Message authentication is only required if the message transmission is via a method other than the Selective Signaling System.



### 3. Procedure

- NOTE:**
1. Steps of this procedure may be performed out of sequence at the discretion of the communicator.
  2. All notifications are expected to be accurate and timely. If an error is discovered after information has been communicated, immediately (< 15 minutes) correct the information using a follow-up notification. Corrected PARs should be discussed immediately with local emergency management officials using the decision line or other agency communications means. The decision to act upon the corrected information is made by the off-site agencies.
  3. The first Offsite Agency Communicator to arrive should begin to perform the procedure regardless of which role they expect to perform.

- ☐ 3.1 Obtain position notebook from book shelf in EOF Director's area.
- ☐ 3.2 Ensure SR/0/B/2000/003 Enclosure 6.10 (EOF Offsite Agency Communicator Checklist) is completed.
- ☐ 3.3 Circle which Site has declared the Emergency, i.e., **McGuire or Catawba or Oconee**.
- ☐ 3.4 Power up/check printers, fax machines, copiers, PC, etc.
- ☐ 3.5 Log on to WebEOC, referring to EP FAM 3.15 Enclosure 3.15.3.3, as needed.
- ☐ 3.6 **IF** TSC has activated, acquire information from TSC using Enclosure 6.9 (Turnover Checklist). {PIPs M-10-1547 C.A.15, M-10-3598 C.A.23}
- ☐ 3.7 Provide copies of previously transmitted message forms to:
  - ☐ All positions in EOF Director's area.
  - ☐ Wall Folder (4 copies).
- ☐ 3.8 Obtain a copy of Authentication Code list from:
  - ☐ Catawba – the Catawba procedure cabinet in the EOF Director's area.
  - ☐ McGuire - the McGuire procedure cabinet in the EOF Director's area.
  - ☐ Oconee - the Oconee procedure cabinet in the EOF Director's area.
- ☐ 3.9 Update Status Boards in EOF with information from Step 3. 6 (i.e., next message due, etc.).
  - EOF Director's Area
  - Offsite Agency Communicator's Area.

- ☐ 3.10 Inform EOF Director, Accident Assessment Manager and Radiological Assessment Manager when next notification is due.
- ☐ 3.11 Review appropriate enclosure for your role:
  - Enclosure 6.5, Lead Offsite Agency Communicator Duties
  - Enclosure 6.6, ENF Communicator Duties
  - Enclosure 6.7, Telephone Communicator Duties
- ☐ 3.12 Ensure EOF will have adequate time to develop and provide next notification before EOF Director activates EOF.
- ☐ 3.13 **WHEN** EOF Communicators are prepared to accept communication responsibilities from TSC, notify EOF Director.
- ☐ 3.14 **WHEN** EOF activated:
  - ☐ 3.14.1 Contact TSC to inform them that EOF has responsibility for emergency notifications.
  - ☐ 3.14.2 Prepare for next ENF transmission.
- ☐ 3.15 Complete ENF using Enclosure 6.1 (Emergency Notification Form Completion).
- ☐ 3.16 Send ENF using Enclosure 6.2 (Emergency Notification Form (ENF) Transmission).

#### 4. References

- 4.1 Catawba Nuclear Station (CNS) Emergency Plan
- 4.2 McGuire Nuclear Station (MNS) Emergency Plan
- 4.3 Oconee Nuclear Station (ONS) Emergency Plan

#### 5. Records

- \_\_\_\_\_ 5.1 Ensure all checklists, logs and forms completed as the result of implementing this procedure are collected at the end of the event and provided to the EOF Emergency Planner.
- \_\_\_\_\_ 5.2 Ensure EOF Director signs "Procedure Completion Approved"

## **6. Enclosures**

- 6.1 Emergency Notification Form (ENF) Completion
- 6.2 Emergency Notification Form (ENF) Transmission
- 6.3 Authentication Guideline
- 6.4 Fax Instructions
- 6.5 Lead Offsite Agency Communicator Duties
- 6.6 ENF Communicator Duties
- 6.7 Telephone Communicator Duties
- 6.8 Emergency Notification Form Quick Reference
- 6.9 Turnover Checklist

**Emergency Notification Form (ENF)  
Completion**

Page 1 of 11

- ☐ 1. Review the following criteria for notifications.

**Initial Notifications {G-07-0127}**

1. Initial notifications to the State(s) and counties must be made within 15 minutes of event declaration.
2. For upgrade in classification prior to or while transmitting initial message:
  - Notification for lesser emergency classification must be made within 15 minutes of lesser classification declaration time.
  - Agencies must be informed that an upgrade in classification will be coming.
  - Upgraded classification message must be transmitted within 15 minutes of upgraded classification declaration time.

**Follow-up Notifications**

1. Follow-up notifications to State(s) and Counties must be made as follows:

<u>Catawba</u> -For NOUE, ALERT, SAE, or GE, every hour until emergency is terminated.	<u>McGuire</u> -For NOUE, every 4 hours until emergency is terminated. -For ALERT, SAE, or GE, every hour until emergency is terminated.	<u>Oconee</u> -For NOUE, a follow-up is not required. -For ALERT, SAE, or GE, every 60 minutes until emergency is terminated.
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**OR**

<u>Catawba</u> -If there is any significant change to the situation, make notification as soon as possible. See NOTE* below for examples.	<u>McGuire</u> -If there is any significant change to the situation, make notification as soon as possible. See NOTE* below for examples.	<u>Oconee</u> -If there is any significant change to the situation, make notification as change occurs. See NOTE* below for examples.
--	--	--

**OR**

<u>Catawba</u> -As agreed upon with an Emergency Management official from <u>each</u> individual agency. Documentation shall be maintained for any agreed upon schedule change. -Interval <u>shall not</u> be greater than 4 hours to any agency.	<u>McGuire</u> -As agreed upon with an Emergency Management official from each individual agency. Documentation shall be maintained for any agreed upon schedule change. -Interval for ALERT, SAE, and GE <u>shall not</u> be greater than 2 hours to any agency.	<u>Oconee</u> -Required every 60 minutes from notification time on Line 2 for ALERT, SAE, or GE. -This frequency <u>may be</u> changed at the request of offsite agencies.
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\*NOTE: Examples of significant plant changes include: evacuation/relocation of site personnel, fires onsite, MERT activation and/or injured personnel transported offsite, chemical spills, explosions, any event that would cause or require offsite agency response, or Condition "A" or "B" for Keowee Hydro Project Dams/Dikes (Oconee only).

2. **IF** follow-up is due and an upgrade to higher classification is declared, do not complete follow-up ENF. Offsite agencies must be notified that follow-up is being superseded by upgrade to a higher classification and information will be provided.

3. Follow-up messages in General Emergency classification that provide upgrade in PARs shall be communicated to offsite agencies as soon as possible and within 15 minutes.

**Emergency Notification Form (ENF)  
Completion****2. Complete Emergency Notification Form (ENF):**

- ☐ 2.1 **IF** WebEOC available, access WebEOC ENF per EP FAM 3.15, (Attachment 3.15.3.3). **GO TO** Step 2.4
- ☐ 2.2 **IF** using pre-printed ENF, obtain preprinted ENF for event declared. **GO TO** Step 2.4
- ☐ Catawba
- ☐ McGuire
- ☐ Oconee
- ☐ 2.3 **IF** using blank ENF, obtain blank ENF:
- ☐ Catawba
- ☐ McGuire
- ☐ Oconee

**NOTE:** Messages are sequentially numbered throughout drill/event. The first message for a drill/event is message number 1.

**2.4 Complete Line 1 as follows:**

- ☐ 2.4.1 Select or mark **A** for Drill or **B** for Actual Event.
- ☐ 2.4.2 Ensure or record appropriate message number.
- ☐ 2.4.3 **IF** termination message, **GO TO** Step 2.6.

**NOTE:** Notification Time, Date, and Authentication Number will be completed during message transmission.

- ☐ 2.5 On Line 2 select or mark appropriate box for:
- ☐ 2.5.1 **A** Initial
- ☐ 2.5.2 **B** Follow-up

Emergency Notification Form (ENF)  
Completion

- ☐ 2.6 Complete Line 3
  - ☐ 2.6.1 Record or ensure appropriate Site.
  - ☐ 2.6.2 Record, select, or ensure appropriate confirmation telephone number.
  - ☐ 2.6.3 **IF** termination message, **GO TO** Step 2.14.
- ☐ 2.7 Complete Line 4 (Data provided by Accident Assessment Manager (AAM)).
  - ☐ 2.7.1 Select, record or verify correct emergency classification.
  - ☐ 2.7.2 Select, record or verify correct Emergency Action Level (EAL) number.
  - ☐ 2.7.3 Record or verify correct EAL description.

**NOTE:** A current dose run may not be available and is not required for initial notifications.

- ☐ 2.8 Confer with Radiological Assessment Manager (RAM) to determine whether current dose run is to be imported.
  - ☐ 2.8.1 **IF** current dose run is not to be imported, **GO TO** step 2.9.
  - ☐ 2.8.2 Select **Import Raddose** button at bottom of ENF.
  - ☐ 2.8.3 Verify imported information is correct on Lines 5, 6, 7, 9, 14, 15 and 16.

**NOTE:** **Condition A - Failure is Imminent or has Occurred** - A failure at the dam has occurred or is about to occur, and minutes to days may be allowed to respond, dependent upon the proximity to the dam. Response includes the immediate movement of downstream residents to higher ground. State and local governments will be notified. (Duke Hydro-Electric Plant EAP)

- ☐ 2.9 Complete Line 5 (Data provided by RAM)
  - ☐ 2.9.1 **IF** Notification of Unusual Event **OR** Alert, check or verify A (None) is selected **AND GO TO** Step 2.10.
  - ☐ 2.9.2 **IF** Site Area Emergency for Catawba **OR** McGuire, check or verify A (None) is selected **AND GO TO** Step 2.10.

**Emergency Notification Form (ENF)  
Completion**

- ☐ 2.9.3 **IF** Site Area Emergency for Oconee **AND NO** Condition A exists for Keowee Hydro Project Dam/Dike, check or verify A (None) is selected **AND GO TO** Step 2.10.
- ☐ 2.9.4 **IF** Site Area Emergency for Oconee **AND** a Condition A exists for Keowee Hydro Project Dam/Dike, **GO TO** Step 2.9.6.
- ☐ 2.9.5 **IF** General Emergency, record Protective Action Recommendations as directed by RAM.

**CAUTION:** Once a zone is accurately selected for evacuation, it should not be removed. {PIP-M-03-3483, PIP-C-03-4471}

- ☐ A. Verify, select or mark **B** (Evacuate) **AND** verify, select or record zones for evacuation.
- ☐ B. Verify, select or mark **C** (Shelter) **AND** verify, select or record zones for sheltering.
- ☐ C. **IF** dose projections or field measurements indicate Thyroid dose will be equal to or greater than 5 Rem, verify, select or mark box **D**. {PIP-G-03-606}
- ☐ D. For any other Protective Action Recommendations, select or mark **E** (Other) **AND** record information.
- ☐ 2.9.6 **IF** Condition A exists for Keowee Hydro Project Dam/Dike:
- ☐ A. Verify, select or record **B** (Evacuate) **AND** select or record *Move residents living downstream of the Keowee Hydro Project dams to higher ground.*
- ☐ B. Verify, select or record **E** (Other) **AND** select or record *Prohibit traffic flow across bridges identified on your inundation maps until the danger has passed.*

**Emergency Notification Form (ENF)  
Completion**

**NOTE:** An Emergency Release is an unplanned, quantifiable radiological release to the environment during an emergency event. The release does not have to be related to the declared emergency. {PIP-M-97-4256}{EP FAM Sect. 3.7}

☐ 2.10 Complete Line 6 (Data provided by RAM)

☐ 2.10.1 **IF** release not in progress or has not occurred, verify, select or mark ☐ A (None)

☐ 2.10.2 **IF** there is indication of an emergency release, verify, select or mark ☐ B (Is Occurring) **OR** ☐ C (Has Occurred) as appropriate.

☐ 2.11 Complete Line 7 (Data provided by RAM)

☐ 2.11.1 **IF** release not in progress or has not occurred, verify, select or mark ☐ A (Not applicable) **AND GO TO** Step 2.12.

**NOTE:** **IF** ☐ B (Within normal operating limits) **OR** ☐ C (Above normal operating limits) is selected, dose information must be provided on Lines 14, 15, and 16.

☐ 2.11.2 **IF** release significance is known, verify, select or mark ☐ B (Within normal operating limits) **OR** ☐ C (Above normal operating limits) **AND GO TO** Step 2.12.

☐ 2.11.3 **IF** release significance is unknown, verify, select or mark ☐ D (Under Evaluation).

☐ 2.12 Complete Line 8 by selecting or marking appropriate block (Data provided by Accident Assessment Manager:

☐ A (Improving)

☐ B (Stable)

☐ C (Degrading)



Emergency Notification Form (ENF)  
Completion

- NOTE:**
1. Information for Line 9 may **not** be available and is **not** required for initial notifications.
  2. When using WebEOC, Line 9 information can be typed in **OR** loaded by selecting **Import Raddose** button once Raddose run is completed, and Line 6, **B** or **C** is checked.

- ☐ 2.13 **IF** Follow-up Notification, complete Line 9 (Data provided by RAM)
- ☐ 2.13.1 **IF** Raddose information was imported into WebEOC ENF, verify data is correct.
- OR**
- ☐ 2.13.2 Record wind direction.
- ☐ 2.13.3 Record wind speed.
- ☐ 2.13.4 Record precipitation (inches per 15 minute period).
- ☐ 2.13.5 Mark appropriate stability class.
- ☐ 2.14 Complete Line 10 (Data provided by Accident Assessment Manager)
- ☐ 2.14.1 Select or mark **A** (Declaration) **OR** **B** (Termination).
- ☐ 2.14.2 Record time and date of declaration **OR** termination.
- A. **IF** using WebEOC ENF, select **Get Time/Date** button to acquire current time and date **AND** edit as needed.
- OR**
- B. Enter time and date of declaration **OR** termination.
- ☐ 2.15 **IF** termination notification, **GO TO** Step 2.24.

Emergency Notification Form (ENF)  
Completion

**NOTE:** The following list provides examples of events that could affect more than one unit. The list may not be all inclusive. {PIP-0-M-97-4638, M-03-3294, PIP-C-04-2586}

- Security event.
- Seismic event.
- Tornado on site.
- Hurricane force winds on site.
- Loss of both switch yards.
- SSF event.
- Fire affecting shared safety related equipment.

☐ 2.16 Complete Line 11 (Data provided by Accident Assessment Manager)

☐ 2.16.1 **IF** event affects emergency class on more than one unit equally, select or mark All. {PIP-M-03-3294} {PIP G-11-1283}

☐ 2.16.2 **IF** event only affects one (1) unit **OR** one (1) unit has a higher emergency class, select or mark appropriate unit. {PIP-M-03-3294} {G-11-1283}

**NOTE:** 1. Unaffected Unit(s) status not required for Initial Notifications.  
2. In WebEOC ENF, **Get Time/Date** button will load current time and date in specific line field in appropriate format. Edit as needed.

☐ 2.17 Complete Line 12 (Data provided by Accident Assessment Manager)

☐ 2.17.1 **IF** Unit is shutdown, record 0% power, **AND** record shutdown time and date.

☐ 2.17.2 **IF** Unit is **not** shutdown, record % power.

Emergency Notification Form (ENF)  
Completion

**NOTE:** Enclosure 6.5 (Lead Offsite Communicator Duties) page 3 of 4 provides examples for Line 13 information.

☐ 2.18 Complete Line 13.

- ☐ 2.18.1 Record any additional information provided by EOF staff.
- ☐ 2.18.2 **IF** first message from EOF, include "EOF activated at \_\_\_\_\_ (time)."
- ☐ 2.18.3 **IF** message contains change in Protective Action Recommendations, include "PAR Change" and reason for PAR change in narrative. {PIP C-05-2064, C.A. 12}
- ☐ 2.18.4 **IF** event involves security threat, consult job aid (Nuclear Security Approved Messages for Security Related Events/Issues) in Offsite Agency Communicator's notebook for guidance. {PIP M-07-3471, C.A.6}

**NOTE:** **IF** ENF has already been approved, the following update to agencies may be completed verbally during message transmission.

- ☐ 2.18.5 **IF** an upgrade in classification occurs prior to transmitting message, include "Upgrade to follow."

**NOTE:** WebEOC will only allow skipping Lines 14, 15 and 16 if release significance on line 7 is **A** (not applicable) or **D** (under evaluation).

☐ 2.19 **IF** initial notification **AND** dose information is not available, **GO TO** Step 2.24.

**NOTE:** Information for Lines 14, 15, and 16 may not be available and is not required for follow up notification due to Protective Action Recommendation change.

- ☐ 2.20 **IF** follow up notification due to Protective Action Recommendation change **AND** dose information is not available, **GO TO** Step 2.24.
- ☐ 2.21 **IF** termination notification, **GO TO** Step 2.24.
- ☐ 2.22 **IF** **A** (None) selected on Line 6, **GO TO** Step 2.24.

Emergency Notification Form (ENF)  
Completion

☐ 2.23 Complete Lines 14, 15, and 16 (Data provided by RAM)

☐ 2.23.1 **IF** using WebEOC ENF **AND** release is occurring or has occurred.

☐ A. Verify dose information imported into form from RADDose is correct.

☐ B. **GO TO** Step 2.25.

☐ 2.23.2 **IF** using manual form **AND** release is occurring or has occurred

☐ A. Line 14 TYPE - mark ☒ C Ground

☐ B. Line 14 UNITS - mark ☒ B Ci/sec.

☐ C. Line 14 - Complete MAGNITUDE section for appropriate type of release.

☐ D. Line 14 FORM - check ☒ A (Airborne), **OR** ☒ B (Liquid) **AND** record release start and/or stop times as appropriate.

☐ E. Line 15 - Enter projection period (hours).

☐ F. Line 15 - Enter estimated release duration (hours).

☐ G. Line 15 - Enter projection performed Time/Date.

☐ H. Line 16 - Record projected doses provided by most current dose assessment.

**Emergency Notification Form (ENF)  
Completion**

- NOTE:** 1. **IF** data changes during review of the emergency notification form, it is a good practice to require the EOF staff to do a "clean sweep" through the form prior to approval. {PIP G-09-1159, C.A. 12}
2. The "Received by" and the "Received by Time and Date" sections of Line 17 are not used by Duke Energy and should be left blank.

☐ 2.24 **IF** using manual form, complete Line 17:

- ☐ A. Request EOF Director review and sign form
- ☐ B. Enter EOF Director title
- ☐ C. Enter Time and Date
- ☐ D. Enter name of the Communicator to make notification call on "Notified By" line
- ☐ E. Mark signed form with "ORIGINAL" stamp
- ☐ F. **GO TO** Step 3

☐ 2.25 **IF** using WebEOC ENF, complete Line 17:

- ☐ 2.25.1 Ensure all sections except Line 17 are complete by reviewing form.
- ☐ 2.25.2 Select **Validate** button at bottom of WebEOC ENF page.
- ☐ 2.25.3 Obtain EOF Director's concurrence **AND**
  - ☐ A. Enter EOF Director's name in Approved By block.
  - ☐ B. Select appropriate title from pull down menu.
  - ☐ C. Select **Get Time/Date** button to acquire current time and date, **AND**, edit as needed.
  - ☐ D. Enter name of Communicator to make notification call on "Notified By" line.

**Emergency Notification Form (ENF)  
Completion**

- ☐ 2.26 Document approval of WebEOC ENF
  - ☐ 2.26.1 **WHEN** EOF Director verbally concurs that ENF is complete, select **Approval** button at bottom of WebEOC ENF.
  - ☐ 2.26.2 Print copy of notification form.
  - ☐ 2.26.3 Request EOF Director to sign form next to "Approved by" line for official documentation purposes.
  - ☐ 2.26.4 Mark signed form with "ORIGINAL" stamp.
- ☐ 3. Transmit message to Offsite Agencies per Enclosure 6.2 (Emergency Notification Form (ENF) Transmission).

Emergency Notification Form (ENF)  
Transmission**NOTE:**

1. The Selective Signaling phone is the primary communication device. Commercial telephone (Conference Call) is first back-up. EOF Commercial Telephone line (Individual Line) is second back-up. EOF Satellite Phone is third back-up.
2. Information regarding back-up communication devices is located in
  - CNS Emergency Phone Directory (EP Group Manual Section 5.3.6)
  - McGuire Procedure RP/0/A/5700/014 (Emergency Telephone Directory)
  - Oconee Nuclear Station Emergency Telephone Directory.
3. Selective Signaling is an open line capable of connecting all agencies together at the same time. It is always active (no dial tone). The handset has a "push to talk" button which must be pressed for the other parties to hear you. To use headset instead of handset, the switch on headset controller must be set to "headset" and handset removed from phone cradle.
4. Although the official transmittal time is when the first agency answers, the NRC requirement that ALL state and county agencies must be notified within 15 minutes of emergency declaration. {PIP G-12-1571}

**1. Send message.**

- ☐ 1.1 **IF** manually faxing ENF, **GO TO** Enclosure 6.4 (Fax Instructions).
- ☐ 1.2 **IF** using WebEOC ENF, fax notification form
  - ☐ 1.2.1 Press (Ctrl-R) to refresh screen as needed.
  - ☐ 1.2.2 Select current message number from EN Form screen.
  - ☐ 1.2.3 Scroll to bottom of page and select "Fax" button.
  - ☐ 1.2.4 Select "AT&T Fax Sender" icon on print screen, **THEN** click print.
  - ☐ 1.2.5 Enter ~catawba or ~mcguire or ~oconee as appropriate in name block on AT&T Fax Sender Panel.
  - ☐ 1.2.6 Click green colored check mark symbol (☑) at right of name block to transfer information to recipient block.
  - ☐ 1.2.7 Select "send" button at top of panel to fax ENF to agencies.

**Emergency Notification Form (ENF)  
Transmission**

Page 2 of 7

- ☐ 1.3 Press appropriate group dial code.

Site	Group Dial Code
CATAWBA	*5
MCGUIRE	*1
OCONEE	*4

**NOTE:** Page 2 of a manual ENF may be used as a job aid.

- ☐ 1.3.1 Record each agency answering by checking off agency name.
- ☐ 1.3.2 **IF** an offsite agency does not answer, dial individual Selective Signaling number **OR** request another communicator contact that agency by backup means using numbers below.



**Emergency Notification Form (ENF)  
Transmission**

- CATAWBA**

Agency	SELECTIVE SIGNALING  Individual number	COMMERCIAL TELEPHONE
		Individual phone numbers OR One touch dial button
York County WP/EOC	513	803/329-1110
Mecklenburg Co. WP/EOC	116	704/943-6200
Gaston County WP/EOC	112	704/866-3300
North Carolina WP/EOC	314	919/733-3300
South Carolina WP/EOC	518	803/737-8500

- McGUIRE**

Agency	SELECTIVE SIGNALING  Individual number	COMMERCIAL TELEPHONE
		Individual phone numbers OR One touch dial button
Gaston County WP/EOC	112	704/866-3300/3243
Lincoln County WP/EOC	113	704/735-8202/736-8511
Iredell County WP/EOC	114	704/878-3039
Mecklenburg Co. WP/EOC	116	704/943-6200 (WP) 704/432-4120 (EOC)
Catawba County WP/EOC	118	828/464-3112
Cabarrus County WP/EOC	119	704/920-3000 (WP) 704/436-6519 (EOC)
North Carolina EOC/WP	314	919/733-3300

**Emergency Notification Form (ENF)  
Transmission**

Page 4 of 7

**OCONEE**

**NOTE:** For Oconee only: Oconee County and Pickens County EMA **CANNOT** be reached between 1700 hours to 0800 hours.

Agency	SELECTIVE SIGNALING  Individual number	COMMERCIAL TELEPHONE
		Individual phone numbers OR One touch dial button
Oconee County WP (LEC)	416	864/638-4111
Pickens County WP (LEC)	410	864/898-5500
Oconee County EOC (EMA)	417	864/638-4200
Pickens County EOC (EMA)	419	864/898-5943
South Carolina WP/EOC	518	803/737-8500

☐ 1.4 Document time first party answered as notification time on Line 2.

☐ 1.4.1 **IF** using WebEOC ENF,

- A. Select **Notifications** button on far right of current message after first party answers
- B. Select **Get Time/Date** button.
- C. Adjust as desired.
- D. Click "save" at bottom of page.

☐ 1.4.2 **IF** using manual ENF, document notification time and date on Line 2 of signed original notification form.

**NOTE:** Message authentication is only required if message transmittal is other than via Selective Signaling or if requested by an offsite agency.

☐ 1.5 **REFER TO** Enclosure 6.3 (Authentication Guideline) as needed.

Emergency Notification Form (ENF)  
Transmission

- ☐ 1.6 **WHEN** agencies are "on line," say, *"This is the Duke Energy Emergency Operations Facility."*

- ☐ 1.6.1 **IF** Initial or follow-up notification, say

*This is a Drill/an Actual Emergency.*

*Catawba/McGuire/Oconee has (just declared) an*

*Unusual Event/Alert/Site Area Emergency/General Emergency based on*

*EAL # \_\_\_\_\_.*

*A copy of message #\_\_\_\_\_ has been faxed to you (and it has also been posted on WebEOC). Does everyone have this message? {PIP G-12-1571}*

- ☐ 1.6.2 **IF** Termination message, say

*This is a Drill/an Actual Emergency.*

*Catawba/McGuire/Oconee has terminated the*

*Unusual Event/Alert/Site Area Emergency/General Emergency.*

*A copy of message #\_\_\_\_\_ has been faxed to you (and it has also been posted on WebEOC). Does everyone have this message?*

- ☐ 1.7 **IF** all answers are yes, **GO TO** step 1.10.

- ☐ 1.8 **IF** any answer is no, send fax again to appropriate agencies.

<b>NOTE:</b> If message has to be transmitted verbally, read slowly to allow time for recipients to copy down the notification message.
---

- ☐ 1.9 **IF** any of agencies have not received faxed message on second fax attempt, transmit message verbally as follows:

- ☐ 1.9.1 Request appropriate agencies to obtain a blank notification form.

- ☐ 1.9.2 Read Emergency Notification Message line by line to agencies.

- ☐ 1.10 Provide agencies with Communicator's name.

**Emergency Notification Form (ENF)  
Transmission**

- NOTE:**
1. Incoming calls other than Selective Signaling must be authenticated.
  2. A representative from South Carolina Department of Health and Environmental Control (SC DHEC) will typically call in on the confirmation line with questions about the event. **(CNS and ONS only)**
  3. Date and time do not need to be transferred to the back of the form if all parties were on line at the time of message transmission.

☐ 1.11 Ask for questions

☐ 1.11.1 **IF** no questions, **GO TO** Step 1.12.

☐ 1.11.2 **IF** a question is in reference to information on Emergency Notification Form, provide information to requesting agency.

☐ 1.11.3 **IF** a question is not in reference to information on Emergency Notification Form, perform the following:

A. Document question in Communicator's personal log.

B. Document name of agency making request.

C. Document name of individual making request.

D. Request EOF Director to answer question.

E. Document answer provided by EOF Director or designee in Communicator's personal log.

F. Request EOF Director to sign and date answer recorded in Communicator's personal log.

G. Contact requesting agency.

H. Provide answer to requesting agency.

I. Document time answer was provided to requesting agency in Communicator's personal log.

Emergency Notification Form (ENF)  
Transmission

- ☐ 1.12 Obtain names of each agency representative by saying:

*"I need to verify the name of each agency representative. When I call out your agency, please give your name."*

AND performing a roll call.

- 1.12.1 Document name of individuals.

- ☐ A. **IF** using WebEOC ENF, select Notifications button on far right of current message and enter names.
- ☐ B. **IF** using manual form, record names on back of Emergency Notification Form.

- ☐ 1.13 Inform agencies that message transmission is complete by saying:

*"This concludes this message. EOF clear."*

- ☐ 1.14 **IF** a Keowee dam/dike condition "A" or "B" or external flood condition exists for Oconee, fax ENF to GEMA, NWS, Hart County EMA, and Elbert County EMA using Enclosure 6.4, Fax Instructions, Page 4 of 4. {PIP O-11-0466}

**Enclosure 6.3**  
**Authentication Guideline**

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Page 1 of 1

- NOTE:**
1. Authentication is not required when using the Selective Signaling phone unless requested by an Off-site Agency.
  2. The Authentication Code List is a controlled listing of numbers and corresponding words provided by the state(s). This listing is used by the site and the off-site agencies to "authenticate" communications between the various parties. This listing provides assurance to the communication "*receiver*" that information from the "*transmitter*" is valid and authentic. Communication authentication may be performed anytime the *receiver* of information wishes to assure the information is authentic. This is accomplished by having the *receiver* provide a number from the code word list and then having the *transmitter* provide the corresponding word to that specified number from the list.
  3. The Authentication Code List (EP Functional Area Manual 3.14.4.2) is located in:
    - Procedure file cabinet.
    - Off-site Communicator Notebook under the "Authentication Code List" tab.
    - WebEOC Electronic Notification Form, from "Notifications" button.

## 1. Placing a Call

- ☐ 1.1 **IF** providing Emergency Notification Form information to Off-site Agencies, authenticate as follows:
  - ☐ 1.1.1 Request State or County Representative to provide number from Authentication Code list.
  - ☐ 1.1.2 Provide code word corresponding to number from Authentication Code List.
  - ☐ 1.1.3 Document number on Emergency Notification Form (Line 2).

## 2. Receiving a Call

- ☐ 2.1 **IF** receiving a call from off site and identity of party calling is not known,
  - ☐ 2.1.1 Provide a number from Authentication Code List to caller.
  - ☐ 2.1.2 Obtain word corresponding with number on Authentication Code List from caller.
  - ☐ 2.1.3 Document questions and answers in Communicator's personal log.

**Enclosure 6.4**  
**Fax Instructions**

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Page 1 of 4

**1. Group Fax Instructions**

- ☐ 1.1 **IF** sending a fax to all counties and state(s) for a site:
  - ☐ 1.1.1 Place ENF face up in Off-site Communicator Fax machine.
  - ☐ 1.1.2. Press appropriate site's one-touch speed dial button:

Site	One-touch number	Label
Catawba	1	CNS Gr
McGuire	2	MNS Gr
Oconee	3	ONS Gr

- ☐ 1.1.3 Press **Start**
- ☐ 1.1.4 Ensure off-site agencies have received fax by returning to Enclosure 6.2, Step 1.3, or individual calls.

## 2. Single Fax Using One-touch Button Instructions

- ☐ 2.1 **IF** sending fax to a single location:
- ☐ 2.1.1 Place ENF face up in Off-site Communicator Fax machine.
  - ☐ 2.1.2 Press appropriate location's one-touch speed dial button:

**NOTE:** For one-touch numbers 21 through 40, press "21-40" button, then one-touch number.

### CATAWBA

One-touch number	Label	Agency Name
4	NC EOC	North Carolina WP/EOC
5	SC WP	South Carolina WP/EOC
8	Gas WP	Gaston County WP
11	Mec WP	Mecklenburg County WP
12	Yor WP	York County WP
15	CNS EQ	CNS - Energy Quest (News Group)
16	CNS Com	CNS TSC Offsite Agency Communicators
20	JIC	Joint Information Center
22	NC W Br	North Carolina EM Western Branch Office
24	NC Hwp	North Carolina Alternate State WP
25	SC Hwp	South Carolina Highway Patrol (WP Backup)
28	Gas Eoc	Gaston County EOC
31	Mec Eoc	Mecklenburg County EOC
32	ECOC	Enterprise Crisis Operation Center
35	CNS Tsc	Catawba TSC
38	NRC OC	NRC Headquarters Operations Center
39	NRC R2	NRC Region 2 Operations Center

OR



**Enclosure 6.4**  
**Fax Instructions**

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**McGUIRE**

One-touch number	Label	Agency Name
4	NC EOC	North Carolina WP/EOC
6	Cabb WP	Cabarrus County WP
7	Cata WP	Catawba County WP
8	Gas WP	Gaston County WP
9	Ired WP	Iredell County WP
10	Lin WP	Lincoln County WP
11	Mec WP	Mecklenburg County WP
17	MNS EE	McGuire Energy Explorium (News Group)
20	JIC	Joint Information Center
22	NC W Br	North Carolina EM Western Branch Office
24	NC Hwp	North Carolina Alternate State WP
26	Cab Eoc	Cabarrus County EOC
27	Cat Eoc	Catawba County EOC
28	Gas Eoc	Gaston County EOC
29	Ire Eoc	Iredell County EOC
30	Lin Eoc	Lincoln County EOC
31	Mec Eoc	Mecklenburg County EOC
32	ECOC	Enterprise Crisis Operation Center
37	MNS Tsc	McGuire TSC
38	NRC OC	NRC Headquarters Operations Center
39	NRC R2	NRC Region 2 Operations Center

**OR**

**OCONEE**

One-touch number	Label	Agency Name
5	SC WP	South Carolina WP/EOC
13	Oco WP	Oconee County WP (LEC)
14	Pic WP	Pickens County WP (LEC)
19	ONS	Oconee TSC Offsite Agency Communicators
20	JIC	Charlotte Joint Information Center
25	SC Hwp	South Carolina Highway Patrol (WP Backup)
32	ECOC	Enterprise Crisis Operation Center
33	Oco Eoc	Oconee County EOC (EMA)
34	Pic Eoc	Pickens County EOC (EMA)
38	NRC OC	NRC Headquarters Operations Center
39	NRC R2	NRC Region 2 Operations Center
40	ONS JIC	Oconee Joint Information Center

- ☐ 2.1.3 Press **Start**
- ☐ 2.1.4 Ensure off-site agencies have received fax by returning to Enclosure 6.2, Step 1.3, or individual calls.

### 3. Single Fax Dialing Manually Instructions

- ☐ 3.1 **IF** sending fax to a single location:
  - ☐ 3.1.1 Place ENF face up in Off-site Communicator Fax machine.
  - ☐ 3.1.2 Dial appropriate fax number using keypad.
  - ☐ 3.1.3 Press **Start**

**NOTE:** GEMA, Hart County EMA, Elbert County EMA and NWS are provided faxed copies of the ENF whenever a Condition A or Condition B exists for a Keowee Hydro Project Dam/Dike. Agency phone numbers are available in the Oconee Emergency Telephone Directory.

#### OCONEE - Keowee Hydro Project Dam/Dike

Agency		Fax Number
GEMA	dial	9-404-635-7205
NWS	dial	9-864-848-5072 9-864-848-1582
Hart Co. EMA	dial	9-706-856-5316
Elbert Co. EMA	dial	9-706-283-2029

- ☐ 3.1.4 Ensure off-site agencies have received fax by verbal communication.

**Lead Offsite Agency Communicator Duties**

- ☐ Sign in on white board in EOF Director's area as "Offsite Agency Communicator."
- ☐ Ensure adequate staffing of Offsite Agency Communicators (OACs).
- ☐ Arrange for 24-hour OAC coverage.
- ☐ Ensure ENF Communicator reviews Enclosure 6.6 (ENF Communicator Duties).
- ☐ Ensure Telephone Communicator reviews Enclosure 6.7 (Telephone Communicator Duties).

## Lead Offsite Agency Communicator Duties

- ☐ Review the following criteria for notifications.

**Initial Notifications {G-07-0127}**

1. Initial notifications to State(s) and counties must be made within 15 minutes of event declaration time.
2. For upgrade in classification prior to or while transmitting initial message:
  - Notification for lesser emergency classification must be made within 15 minutes of lesser classification declaration time.
  - Agencies must be informed that an upgrade in classification will be coming.
  - Upgraded classification message must be transmitted within 15 minutes of upgraded classification declaration time.

**Follow-up Notifications**

1. Follow-up notifications to State(s) and Counties must be made as follows:

<u>Catawba</u> -For NOUE, ALERT, SAE, or GE, every hour until the emergency is terminated.	<u>McGuire</u> -For NOUE, every 4 hours until the emergency is terminated. -For ALERT, SAE, or GE, every hour until the emergency is terminated.	<u>Oconee</u> -For NOUE, a follow-up is not required. -For ALERT, SAE, or GE, every 60 minutes until the emergency is terminated.
---	--	---

**OR**

<u>Catawba</u> -If there is any significant change to the situation, make notification as soon as possible. See NOTE* below for example of changes.	<u>McGuire</u> -If there is any significant change to the situation, make notification as soon as possible. See NOTE* below for example of changes.	<u>Oconee</u> -If there is any significant change to the situation, make notification as the change occurs. See NOTE* below for examples of changes.
--	--	---

**OR**

<u>Catawba</u> -As agreed upon with an Emergency Management official from <u>each</u> individual agency. Documentation shall be maintained for any agreed upon schedule change. -Interval <u>shall not</u> be greater than 4 hours to any agency.	<u>McGuire</u> -As agreed upon with an Emergency Management official from each individual agency. Documentation shall be maintained for any agreed upon schedule change. -Interval for ALERT, SAE, or GE <u>shall not</u> be greater than 2 hours to any agency.	<u>Oconee</u> -Required every 60 minutes from notification time on Line 2 for ALERT, SAE, or GE. -This frequency <u>may be</u> changed at the request of offsite agencies.
---	--	--

\*NOTE: Examples of significant plant changes include: evacuation/relocation of site personnel, fires onsite, MERT activation and/or injured personnel transported offsite, chemical spills, explosions, any event that would cause or require offsite agency response, or Condition "A" or "B" for Keowee Hydro Project Dams/Dikes (Oconee only).

2. If follow-up is due and an upgrade to higher classification is declared, there is no need to complete follow-up ENF. Offsite agencies must be notified that follow-up is being superseded by upgrade to a higher classification and information will be provided.

3. Follow-up messages in General Emergency classification that involve upgrade in PARs shall be communicated to offsite agencies as soon as possible and within 15 minutes.

- ☐ Inform EOF Director informed of progress in preparing to take turnover from site.

**NOTE:** In addition to Emergency Action Level information entered on Line 4 of Emergency Notification Form (ENF), any event, which has the potential to affect the public, needs to be reported on Line 13. The following list is not all-inclusive. Each event should be carefully evaluated and discussed with the EOF Director. Notification to Offsite Agencies should take place as soon as possible. {PIP 0-M98-2065}

- Other unrelated classifiable events (for example, during an Alert, an event which, by itself would meet the conditions for an Unusual Event)
- Major/Key Equipment Out of Service
- Emergency response actions underway
- Fire(s) onsite
- Flooding related to the emergency
- Explosions
- Loss of Offsite Power
- Core Uncovery
- Core Damage
- Medical Emergency Response Team activation
- Personnel injury or death
- Transport of injured individual(s) offsite - specify whether contaminated or not
- Site Evacuation/relocation of site personnel
- Saboteurs/Intruders/Suspicious devices/Threats
- Chemical or Hazardous Material Spills or Releases
- Extraordinary noises audible offsite
- Events causing/requiring offsite agency response
- Events causing increased media attention.
- Event which has the potential to affect the public.
- Protective Action Recommendation change and reason for the change. {PIP C-05-2064, C.A. 12}
- **IF** an upgrade in classification occurs prior to or while transmitting an initial message, include "Upgrade to follow" (if time permits, otherwise, this information can be made verbally).

- ☐ Monitor events for potential inclusion on ENF.
- ☐ Ensure events (e.g., injuries, fires, intruders, etc.) are reported and later ENFs follow-up on events and report resolution ("close the loop").
- ☐ Coordinate Communications function with EOF Director.

**NOTE:** It takes several minutes to calculate doses so be sure that Dose Assessment has a 15 minute warning their data is needed. If they aren't comfortable with their data or if they run low on time, get the Radiological Assessment Manager involved at once.

- ☐ Coordinate with Radiological Assessment Manager to ensure notification time requirements are met.
- ☐ Ensure all messages (ENFs) are accurate, complete, and timely.
- ☐ Inform EOF Director that approval is needed several minutes before transmittal deadline, if possible.
- ☐ Review manual ENF prior to providing to EOF Director for approval, allowing EOF Director sufficient time to revise if needed.
- ☐ Serve as a backup Telephone Communicator if all agencies are not on selective signaling.
- ☐ Document topics that should be discussed in critique.
- ☐ Participate in critique.
- ☐ Determine what role was filled by each communicator and document any comments/questions concerning their actions.

**Enclosure 6.6**  
**ENF Communicator Duties**

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- ☐ Complete ENFs PER Enclosure 6.1.
- ☐ Ensure Lead OAC and EOF Director review draft ENF.
- ☐ Copy and distribute each signed ENF promptly.

## Telephone Communicator Duties

- ☐ Review the following criteria for notifications.

**Initial Notifications {G-07-0127}**

1. Initial notifications to State(s) and counties must be made within 15 minutes of event declaration.
2. For upgrade in classification prior to or while transmitting initial message:
  - Notification for lesser emergency classification must be made within 15 minutes of lesser classification declaration time.
  - Agencies must be informed that an upgrade in classification will be coming.
  - Upgraded classification message must be transmitted within 15 minutes of upgraded classification declaration time.

**Follow-up Notifications**

1. Follow-up notifications to State(s) and Counties must be made as follows:

<u>Catawba</u> -For NOUE, ALERT, SAE, or GE, every hour until emergency is terminated.	<u>McGuire</u> -For NOUE, every 4 hours until emergency is terminated. -For ALERT, SAE, or GE, every hour until emergency is terminated.	<u>Oconee</u> -For NOUE, a follow-up is not required. -For ALERT, SAE, or GE, every 60 minutes until emergency is terminated.
<b>OR</b>		
<u>Catawba</u> -If there is any significant change to the situation, make notification as soon as possible. See NOTE* below for examples.	<u>McGuire</u> -If there is any significant change to the situation, make notification as soon as possible. See NOTE* below for examples.	<u>Oconee</u> -If there is any significant change to the situation, make notification as the change occurs. See NOTE* below for examples.
<b>OR</b>		
<u>Catawba</u> -As agreed upon with an Emergency Management official from <u>each</u> individual agency. Documentation shall be maintained for any agreed upon schedule change. -Interval <u>shall not</u> be greater than 4 hours to any agency.	<u>McGuire</u> -As agreed upon with an Emergency Management official from each individual agency. Documentation shall be maintained for any agreed upon schedule change. -Interval for ALERT, SAE or GE <u>shall not</u> be greater than 2 hours to any agency.	<u>Oconee</u> -Required every 60 minutes from notification time on Line 2 for ALERT, SAE, or GE. -This frequency <u>may be</u> changed at the request of offsite agencies.

\*NOTE: Examples of significant plant changes include: evacuation/relocation of site personnel, fires onsite, MERT activation and/or injured personnel transported offsite, chemical spills, explosions, any event that would cause or require offsite agency response, or Condition "A" or "B" for Keowee Hydro Project Dams/Dikes (Oconee only).

2. If follow-up is due and an upgrade to higher classification is declared, do not complete follow-up ENF. Offsite agencies must be notified that follow-up is being superseded by upgrade to a higher classification and information will be provided.

3. Follow-up messages in General Emergency classification that provide upgrade in PARs shall be communicated to offsite agencies as soon as possible and within 15 minutes.



**Enclosure 6.7**  
**Telephone Communicator Duties**

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- ☐ Send messages per Enclosure 6.2.

**NOTE:** This applies to all ENFs regardless of site or origination - Control Room, TSC, and EOF.

- ☐ Update EOF Director's Area and OAC status boards as each ENF is completed with next message due number and time.
- ☐ Continue to track event and required transmittal times.

**Enclosure 6.8**  
**ENF Quick Reference**

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Line 1 *	<ul style="list-style-type: none"> <li>Select/Mark <input type="checkbox"/> A for Drill or <input type="checkbox"/> B for Actual Event.</li> <li>Ensure or Record Message Number</li> </ul>
Line 2	Select/Mark <input type="checkbox"/> A for Initial or <input type="checkbox"/> B for Follow-up NOTE: Notification Time/Date and Authentication will be completed during message transmission.
Line 3 *	<ul style="list-style-type: none"> <li>Ensure or record appropriate Site (e.g., Catawba)</li> <li>Ensure, Record, or Select appropriate Confirmation Phone Number</li> </ul>
Line 4 *	Select/Ensure correct Event Classification Select/Ensure correct EAL # Select/Ensure EAL Description matches EAL Number
Line 5 *	<b>Protective Action Recommendations</b> <ul style="list-style-type: none"> <li>Verify Raddose run has been completed, then select Import Raddose button at bottom of form.</li> <li><b>IF</b> Unusual Event, Alert, or Site Area Emergency <b>AND NO</b> Condition A for Keowee Hydro Project Dam/Dike, Select/Mark <input type="checkbox"/> A None</li> <li><b>IF</b> Site Area Emergency <b>AND</b> Condition A for Keowee Hydro Project Dam/Dike, Select/Mark <input type="checkbox"/> B Evacuate and <input type="checkbox"/> E Other per Enclosure 6.1, Step 2.10.6</li> <li><b>IF</b> General Emergency, Select/Mark <input type="checkbox"/> B Evacuate and <input type="checkbox"/> C Shelter, then Select/Record appropriate zones. If circumstances warrant, Select/Mark <input type="checkbox"/> D KI and/or <input type="checkbox"/> E Other as appropriate</li> </ul>
Line 6 *	<b>Emergency Release</b> Select/Mark as appropriate: <input type="checkbox"/> A - None <input type="checkbox"/> B - Is Occurring <input type="checkbox"/> C - Has Occurred
Line 7	<b>Release Significance</b> <ul style="list-style-type: none"> <li><b>IF</b> No Release is in progress Select/Mark <input type="checkbox"/> A None</li> <li><b>IF</b> Release is known, Select/Mark <input type="checkbox"/> B (Within normal operating limits) OR <input type="checkbox"/> C (Above normal operating limits) as appropriate.</li> <li><b>IF</b> release significance is unknown, Select/Mark <input type="checkbox"/> D (Under evaluation)</li> </ul>
Line 8	<b>Event Prognosis</b> Select/Mark <b>Improving</b> , <b>Stable</b> , or <b>Degrading</b> as appropriate.
Line 9 *	<b>Meteorological Data</b> (Not required on initial notifications but if available and time allows) Record/import Met data by one of the following methods: <ul style="list-style-type: none"> <li>Record Wind Speed and Wind Direction along with Precipitation and Stability Class.</li> <li>Verify imported information is current.</li> </ul>
Line 10 *	Select/Mark <input type="checkbox"/> A for Declaration or <input type="checkbox"/> B for Termination as appropriate and enter the time utilizing one of the following methods. <ul style="list-style-type: none"> <li><b>IF</b> using WebEOC ENF select Get Time/Date button, <b>THEN</b>, adjust as needed.</li> <li>Manually type or write time and date of declaration or termination as appropriate.</li> </ul>
Line 11 *	<b>Affected Units</b> - <b>IF</b> event affects the emergency class on more than one unit equally, select or check All. <b>IF</b> the event only affects one unit or one unit has a higher emergency class, select or check appropriate unit.
Line 12	<b>Unit Status</b> - <b>IF</b> Unit is Shutdown, record 0% power <b>AND</b> Shutdown Time and Date. <b>IF</b> Unit is <b>NOT</b> Shutdown, record % power only.
Line 13	<b>Remarks:</b> Record any additional information. (Reference Enclosure 6.5)
Lines 14 - 16	<b>Radiological Information</b> <ul style="list-style-type: none"> <li><b>IF</b> using WebEOC Electronic Notification Form, verify imported information is correct.</li> <li><b>IF</b> using Manual Form and release is occurring, have RAM provide information.</li> </ul>
Line 17	Complete Line 17 per one of the following methods: <ul style="list-style-type: none"> <li><b>IF</b> using WebEOC ENF, (1) Assure all sections are complete by clicking Validate button at bottom of page, (2) Enter Approver's name in "Approved by" block (3) Select appropriate title from pull down menu, (4) Enter Time &amp; Date, (5) Record name of Communicator making call on "Notified by" line. (6) Select Approval button at bottom of form, and (7) Print form and have EOF Director review and sign.</li> <li><b>IF</b> using Manual Form, (1) Print form (2) Have EOF Director review and complete Line 17, and (3) Record name of Communicator making call.</li> </ul>
	Fax form per instructions in Enclosure 6.2.

\* Performance Indicator Accuracy Measure

**Emergency Notification Form Completion Briefing Order**

**Line 1 - Communicator**

**Line 2 - Communicator**

**Line 3 - Communicator**

**Line 4 - Accident Assessment Manager**

**Line 5 - Radiation Assessment Manager**

**Line 6 - Radiation Assessment Manager**

**Line 7 - Radiation Assessment Manager**

**Line 8 - Accident Assessment Manager**

**Line 9 - Radiation Assessment Manager**

**Line 10 - Accident Assessment Manager**

**Line 11 - Accident Assessment Manager**

**Line 12 - Accident Assessment Manager**

**Line 13 - Any one**

**Line 14 - Radiation Assessment Manager**

**Line 15 - Radiation Assessment Manager**

**Line 16 - Radiation Assessment Manager**

**Line 17 - EOF Director**

**Enclosure 6.9**  
**Turnover Checklist**

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- ☐ Obtain all previous notifications
- ☐ Emergency Classification (check):  
☐ NOUE, ☐ Alert, ☐ Site Area Emergency, ☐ General Emergency  
Emergency Declared at (time): \_\_\_\_\_
- ☐ Last Emergency Notification Form Message # \_\_\_\_\_  
Transmitted at \_\_\_\_\_ (time)  
Using (check): ☐ WebEOC, ☐ Pre-printed ENF, ☐ Manual ENF
- ☐ Next Message Due at \_\_\_\_\_ (time)
- ☐ Alternate Facility Activated: TSC: ☐ Yes ☐ No OSC: ☐ Yes ☐ No

**Communications Status**

**Catawba**

Indicate which agencies have been contacted	Yes	No
York County WP/EOC		
Mecklenburg County WP/EOC		
Gaston County WP/EOC		
North Carolina EOC/WP		
South Carolina WP/EOC		
South Carolina DHEC		

**McGuire**

Indicate which agencies have been contacted	Yes	No
Gaston County WP/EOC		
Lincoln County WP/EOC		
Iredell County WP/EOC		
Mecklenburg County WP/EOC		
Catawba County WP/EOC		
Cabarrus County WP/EOC		
North Carolina EOC/WP		

**Enclosure 6.9**  
**Turnover Checklist**

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**Oconee**

Indicate which agencies have been contacted	Yes	No
Oconee County Law Enforcement Center		
Oconee County Emergency Management Agency		
Pickens County Law Enforcement Center		
Pickens County Emergency Management Agency		
South Carolina WP/EOC		
South Carolina DHEC		

☐ Communications Problems:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

☐ Site Evacuation: ☐ Yes ☐ No Time Evacuation Initiated: \_\_\_\_\_

Number of persons being evacuated: \_\_\_\_\_

**Site Evacuation Location:**

**Catawba**

Indicate site evacuation location:	Yes	No
Site Allen (Plant Allen, Belmont, NC)		
Site York (York Operations Center, York, SC)		
Home		

**McGuire**

Indicate relocation site:	Yes	No
TTC (Bldg. 7403)		
Cowans Ford Dam Service Bay		
Mt. Holly Training Center		
McGuire Office Complex (MOC) Auditorium (Bldg. 7422)		
Home		

**Enclosure 6.9**  
**Turnover Checklist**

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**Oconee**

Indicate site evacuation location:	Yes	No
Daniel High School		
Keowee Elementary School		
Home		

- ☐ Other Pertinent Information (examples: fires/explosions onsite, MERT activation, injured personnel transported offsite, chemical spills, Condition "A" or "B" for Keowee Hydro dams/dikes, other events requiring offsite agency support)

\_\_\_\_\_  
\_\_\_\_\_

- ☐ Turnover Completed by \_\_\_\_\_  
at (date/time): \_\_\_\_\_

Oconee  
§50.54(q) Effectiveness Evaluation Form

Activity Description and References: SR/0/A/2000/004, Revision 0

BLOCK 1

Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee

This procedure has been revised because the current procedure does not meet the guidance in the procedure writer's manual and contains human performance traps. It has been rewritten and has undergone a verification and validation. This evaluation is being performed for the new procedure as a whole.

## PIP addressed:

- G-10-0955 - SR procedures do not meet the Procedures Writers' Manual (PWM) as described in NSD 703
- G-12-0533 - Procedure SR/0/B/2000/004, "Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee" contains human performance traps. (INOS-Audit Deficiency)
- G-12-0537-CA#4 - Recommend this procedure be rewritten and undergo a verification and validation

## DocuTracks items addressed:

- NGO-2010-000101 - "Original" Stamp
- NGO-2011-000008 - Steps to fax ENFs to downstream agencies for dam failures
- NGO-2012-000008 - ENF Quick reference off center and portions cut off
- NGO-2012-000015 - Editorial changes needed to correct items as a result of annual review
- NGO-2012-000018 - Changes to Primary and Alternate State Warning Points
- NGO-2012-000082 - Add note about expectation for corrective errors
- NGO-2012-000086 - Revise enclosure references in EOF Activation Procedure

## Activity Type:

BLOCK 2

- ☐ The activity is a *change* to the *emergency plan*
- ☒ The activity affects implementation of the *emergency plan*, but is not a *change* to the *emergency plan*

The following Emergency Plan Sections were reviewed. This procedure revision does not require a change to the emergency plan content as it does not change the Emergency Notification Form format or message authentication technique.

- Catawba Emergency Plan Revision 12-3, Section E
- McGuire Emergency Plan Revision 12-4, Section E
- Oconee Emergency Plan Revision 2012-04, Section E.3

This change will require editorial changes to the following Emergency Plan Sections due to renumbering the procedure. These are being screened on separate forms:

- Catawba Emergency Plan Revision 12-3, Section E.2 and Figure P-2
- McGuire Emergency Plan Figure P-2
- Oconee Emergency Plan Revision 2012-04, Figure P-1.

3.10 10CFR 50.54(q) Evaluations

**Impact and Licensing Basis Determination:**

**BLOCK 3**

1. *[list of functions, elements and/or commitments impacted by the activity (organized by planning standard as applicable)]*

**Licensing Basis:**

The applicable planning Standard is 10CFR50.47(b)(5). The applicable EP Program Function is, "Procedures for notification of State and local governmental agencies are capable of alerting them of the declared emergency within 15 minutes after the declaration of an emergency and providing follow-up notifications."

This procedure revision does not require a change to the emergency plan content as it does not change the Emergency Notification Form format, process for alerting ERO members, or message authentication technique described in the following emergency plan sections:

- Catawba Emergency Plan Revision 12-3, Section E
- McGuire Emergency Plan Revision 12-4, Section E
- Oconee Emergency Plan Revision 2012-04, Section E.3

The following elements of the emergency notification process are NOT changing with this procedure revision:

- Emergency Notification Form (ENF) content
- Message authentication methodology (use of a code word list)
- Technology used to create the forms (WebEOC, pre-printed forms, manual forms)
- Technology used to transmit the forms (AT&T enhanced fax, manual fax, selective signaling, commercial telephone)
- EOF Offsite Agency Communicator staffing levels
- EOF Offsite Agency Communicator training requirements.

This revision updates the roles and responsibilities of the EOF Offsite Agency Communicators and revises the procedural guidance for completing and transmitting the notification forms.



**Compliance Evaluation and Conclusion:****BLOCK 4****1. Evaluation:**

10CFR50.47.(b)(5) (5) Procedures have been established for notification, by the licensee, of State and local response organizations and for notification of emergency personnel by all organizations; the content of initial and follow up messages to response organizations and the public has been established; and means to provide early notification and clear instruction to the populace within the plume exposure pathway Emergency Planning Zone have been established."

- SR/0/A/2000/004 Revision 0 is the procedure established for notification, by the licensee, of State and local response organizations from the Emergency Operations Facility. Emergency Notification Form (ENF) content is not affected by this revision. The form is not changing. This revision changes the "how to" steps for completing the form to improve usability.

10CFR 50 Appendix E.IV.C.1., "...The existence, but not the details, of a message authentication scheme shall be noted..."

- The message authentication methodology is not changing with this new procedure. A code word list will still be used for message authentication.

10CFR 50 Appendix E.IV.D.1., "...Administrative and physical means for notifying local, State, and Federal officials and agencies..."

- EOF Offsite Agency Communicator staffing levels and training requirements are not changing.
- Written procedures and the same Emergency Notification Form are being used to prepare notification content.
- The technology used to create the forms (WebEOC, pre-printed forms, manual forms) and to transmit the forms (AT&T enhanced fax, manual fax, selective signaling, commercial telephone) is not changing.

10CFR 50 Appendix E.IV.D.3. "A licensee shall have the capability to notify responsible State and local governmental agencies within 15 minutes after declaring an emergency."

- The intent of this revision was to improve the usability of the procedure to ensure the capability to notify state and local governmental agencies within 15 minutes after declaring an emergency. The revised procedure has undergone verification and validation per the requirements in NSD-705. A copy of the validation documentation is attached.

**Conclusion:**

The proposed activity ☒ does / ☐ does not continue to comply with the requirements.

3.10 10CFR 50.54(q) Evaluations

Reduction in Effectiveness (RIE) Evaluation and Conclusion:

**BLOCK 5**

I. Evaluation:

The applicable planning Standard is 10CFR50.47(b)(5). The applicable EP Program Function is, "Procedures for notification of State and local governmental agencies are capable of alerting them of the declared emergency within 15 minutes after the declaration of an emergency and providing follow-up notifications."

The intent of this revision was to improve the usability of the procedure to ensure the capability to notify state and local governmental agencies within 15 minutes after declaring an emergency. The revised procedure has undergone verification and validation per the requirements in NSD-705. A copy of the validation documentation is attached.

The various portion of this procedure support the Local/State Event Notification Function as follows:

1. Purpose - Provides the purpose of the procedure
2. Definitions - Defines key terms used in Emergency Notification Process
3. Procedure - Turnover of Offsite Communications responsibilities and EOF Activation
4. References - Site Specific Emergency Plans
5. Records - specifies record retention requirements
6. Enclosures-
  - Enclosure 6.1 - ENF Completion - Line by line instructions for completing the form
  - Enclosure 6.2 - ENF Transmission - Using WebEOC/AT&T fax and Selective Signaling
  - Enclosure 6.3 - Message Authentication - Using the code word list
  - Enclosure 6.4 - Fax Instructions - Manual fax transmission
  - Enclosure 6.5 - Lead Offsite Agency Communicator Duties (supports overall communication function)
  - Enclosure 6.6 - ENF Communicator Duties (supports ENF Completion)
  - Enclosure 6.7 - Telephone Communicator (supports ENF Transmission)
  - Enclosure 6.8 - ENF Quick Reference (supports ENF Completion)
  - Enclosure 6.9 - Turnover Checklist (supports Turnover of Offsite Communications responsibilities and EOF Activation)

Conclusion:

The proposed activity ☐ does / ☒ does not constitute a RIE.

Effectiveness Evaluation Results

**BLOCK 6**

- ☒ The activity does continue to comply with the requirements of §50.47(b) and §50 Appendix E and the activity does not constitute a reduction in effectiveness. Therefore, the activity can be implemented without prior approval.
- ☐ The activity does not continue to comply with the requirements of §50.47(b) and §50 Appendix E or the activity does constitute a reduction in effectiveness. Therefore, the activity cannot be implemented without prior approval.

Preparer Name: Ernestine M. Kuhr	Preparer Signature <i>Ernestine M. Kuhr</i>	Date: 03/05/2013
Reviewer Name: <i>Robert Taylor</i>	Reviewer Signature <i>Robert Taylor</i>	Date: <i>3/7/13</i>
Approver Name: T.L. Patterson	Approver Signature <i>Ernestine M. Kuhr</i>	Date: <i>03/07/13</i>

McGuire  
§50.54(q) Effectiveness Evaluation Form

**Activity Description and References:** SR/0/A/2000/004, Revision 0**BLOCK 1****Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee**

This procedure has been revised because the current procedure does not meet the guidance in the procedure writer's manual and contains human performance traps. It has been rewritten and has undergone a verification and validation. This evaluation is being performed for the new procedure as a whole.

**PIP addressed:**

- G-10-0955 - SR procedures do not meet the Procedures Writers' Manual (PWM) as described in NSD 703
- G-12-0533 - Procedure SR/0/B/2000/004, "Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee" contains human performance traps. (INOS-Audit Deficiency)
- G-12-0537 CA#4 - Recommend this procedure be rewritten and undergo a verification and validation

**DocuTracks items addressed:**

- NGO-2010-000101 - "Original" Stamp
- NGO-2011-000008 - Steps to fax ENFs to downstream agencies for dam failures
- NGO-2012-000008 - ENF Quick reference off center and portions cut off
- NGO-2012-000015 - Editorial changes needed to correct items as a result of annual review
- NGO-2012-000018 - Changes to Primary and Alternate State Warning Points
- NGO-2012-000082 - Add note about expectation for corrective errors
- NGO-2012-000086 - Revise enclosure references in EOF Activation Procedure

**Activity Type:****BLOCK 2**

- ☐ The activity is a change to the emergency plan
- ☒ The activity affects implementation of the emergency plan, but is not a change to the emergency plan

The following Emergency Plan Sections were reviewed. This procedure revision does not require a change to the emergency plan content as it does not change the Emergency Notification Form format or message authentication technique.

- Catawba Emergency Plan Revision 12-3, Section E
- McGuire Emergency Plan Revision 12-4, Section E
- Oconee Emergency Plan Revision 2012-04, Section E.3

This change will require editorial changes to the following Emergency Plan Sections due to renumbering the procedure. These are being screened on separate forms:

- Catawba Emergency Plan Revision 12-3, Section E.2 and Figure P-2
- McGuire Emergency Plan Figure P-2
- Oconee Emergency Plan Revision 2012-04, Figure P-1.

**Impact and Licensing Basis Determination:****BLOCK 3**

1. *[list of functions, elements and/or commitments impacted by the activity (organized by planning standard as applicable)]*

**Licensing Basis:**

The applicable planning Standard is 10CFR50.47(b)(5). The applicable EP Program Function is, "Procedures for notification of State and local governmental agencies are capable of alerting them of the declared emergency within 15 minutes after the declaration of an emergency and providing follow-up notifications."

This procedure revision does not require a change to the emergency plan content as it does not change the Emergency Notification Form format, process for alerting ERO members, or message authentication technique described in the following emergency plan sections:

- Catawba Emergency Plan Revision 12-3, Section E
- McGuire Emergency Plan Revision 12-4, Section E
- Oconee Emergency Plan Revision 2012-04, Section E.3

The following elements of the emergency notification process are NOT changing with this procedure revision:

- Emergency Notification Form (ENF) content
- Message authentication methodology (use of a code word list)
- Technology used to create the forms (WebEOC, pre-printed forms, manual forms)
- Technology used to transmit the forms (AT&T enhanced fax, manual fax, selective signaling, commercial telephone)
- EOF Offsite Agency Communicator staffing levels
- EOF Offsite Agency Communicator training requirements.

This revision updates the roles and responsibilities of the EOF Offsite Agency Communicators and revises the procedural guidance for completing and transmitting the notification forms.

3.10 10CFR 50.54(q) Evaluations

Compliance Evaluation and Conclusion:

BLOCK 4

1. Evaluation:

10CFR50.47.(b)(5) (5) Procedures have been established for notification, by the licensee, of State and local response organizations and for notification of emergency personnel by all organizations; the content of initial and follow up messages to response organizations and the public has been established; and means to provide early notification and clear instruction to the populace within the plume exposure pathway Emergency Planning Zone have been established."

- SR/0/A/2000/004 Revision 0 is the procedure established for notification, by the licensee, of State and local response organizations from the Emergency Operations Facility. Emergency Notification Form (ENF) content is not affected by this revision. The form is not changing. This revision changes the "how to" steps for completing the form to improve usability.

10CFR 50 Appendix E.IV.C.1., "...The existence, but not the details, of a message authentication scheme shall be noted..."

- The message authentication methodology is not changing with this new procedure. A code word list will still be used for message authentication.

10CFR 50 Appendix E.IV.D.1, "...Administrative and physical means for notifying local, State, and Federal officials and agencies..."

- EOF Offsite Agency Communicator staffing levels and training requirements are not changing.
- Written procedures and the same Emergency Notification Form are being used to prepare notification content.
- The technology used to create the forms (WebEOC, pre-printed forms, manual forms) and to transmit the forms (AT&T enhanced fax, manual fax, selective signaling, commercial telephone) is not changing.

10CFR 50 Appendix E.IV.D.3. "A licensee shall have the capability to notify responsible State and local governmental agencies within 15 minutes after declaring an emergency."

- The intent of this revision was to improve the usability of the procedure to ensure the capability to notify state and local governmental agencies within 15 minutes after declaring an emergency. The revised procedure has undergone verification and validation per the requirements in NSD-705. A copy of the validation documentation is attached.

Conclusion:

The proposed activity ☒ does / ☐ does not continue to comply with the requirements.

**Reduction in Effectiveness (RIE) Evaluation and Conclusion:****BLOCK 5****1. Evaluation:**

The applicable planning Standard is 10CFR50.47(b)(5). The applicable EP Program Function is, "Procedures for notification of State and local governmental agencies are capable of alerting them of the declared emergency within 15 minutes after the declaration of an emergency and providing follow-up notifications."

The intent of this revision was to improve the usability of the procedure to ensure the capability to notify state and local governmental agencies within 15 minutes after declaring an emergency. The revised procedure has undergone verification and validation per the requirements in NSD-705. A copy of the validation documentation is attached.

The various portion of this procedure support the Local/State Event Notification Function as follows:

1. Purpose - Provides the purpose of the procedure
2. Definitions - Defines key terms used in Emergency Notification Process
3. Procedure - Turnover of Offsite Communications responsibilities and EOF Activation
4. References - Site Specific Emergency Plans
5. Records - specifies record retention requirements
6. Enclosures-
  - Enclosure 6.1 - ENF Completion - Line by line instructions for completing the form
  - Enclosure 6.2 - ENF Transmission - Using WebEOC/AT&T fax and Selective Signaling
  - Enclosure 6.3 - Message Authentication - Using the code word list
  - Enclosure 6.4 - Fax Instructions - Manual fax transmission
  - Enclosure 6.5 - Lead Offsite Agency Communicator Duties (supports overall communication function)
  - Enclosure 6.6 - ENF Communicator Duties (supports ENF Completion)
  - Enclosure 6.7 - Telephone Communicator (supports ENF Transmission)
  - Enclosure 6.8 - ENF Quick Reference (supports ENF Completion)
  - Enclosure 6.9 - Turnover Checklist (supports Turnover of Offsite Communications responsibilities and EOF Activation)

**Conclusion:**

The proposed activity ☐ does / ☒ does not constitute a RIE.

**Effectiveness Evaluation Results****BLOCK 6**

- ☒ The activity does continue to comply with the requirements of §50.47(b) and §50 Appendix E and the activity does not constitute a reduction in effectiveness. Therefore, the activity can be implemented without prior approval.
- ☐ The activity does not continue to comply with the requirements of §50.47(b) and §50 Appendix E or the activity does constitute a reduction in effectiveness. Therefore, the activity cannot be implemented without prior approval.

Preparer Name: Ernestine M. Kühr	Preparer Signature <i>Ernestine M. Kühr</i>	Date: 03/05/2013
Reviewer Name: <i>Randy G. Gibson</i>	Reviewer Signature <i>Randy G. Gibson</i>	Date: 3/5/13
Approver Name: Kevin L. Murray	Approver Signature <i>K. L. Murray</i>	Date: 3-7-13

Catawba

## §50.54(q) Effectiveness Evaluation Form

Activity Description and References: SR/0/A/2000/004, Revision 0

BLOCK 1

Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee

This procedure has been revised because the current procedure does not meet the guidance in the procedure writer's manual and contains human performance traps. It has been rewritten and has undergone a verification and validation. This evaluation is being performed for the new procedure as a whole.

## PIP addressed:

- G-10-0955 - SR procedures do not meet the Procedures Writers' Manual (PWM) as described in NSD 703
- G-12-0533 - Procedure SR/0/B/2000/004, "Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee" contains human performance traps: (INOS-Audit Deficiency)
- G-12-0537/CA#4 - Recommend this procedure be rewritten and undergo a verification and validation

## DocuTracks items addressed:

- NGO-2010-000101 - "Original" Stamp
- NGO-2011-000008 - Steps to fax ENFs to downstream agencies for dam failures
- NGO-2012-000008 - ENF Quick reference off center and portions cut off
- NGO-2012-000015 - Editorial changes needed to correct items as a result of annual review
- NGO-2012-000018 - Changes to Primary and Alternate State Warning Points
- NGO-2012-000082 - Add note about expectation for corrective errors
- NGO-2012-000086 - Revise enclosure references in EOF Activation Procedure

## Activity Type:

BLOCK 2

- ☐ The activity is a *change* to the *emergency plan*
- ☒ The activity affects implementation of the *emergency plan*, but is not a *change* to the *emergency plan*

The following Emergency Plan Sections were reviewed. This procedure revision does not require a change to the emergency plan content as it does not change the Emergency Notification Form format or message authentication technique.

- Catawba Emergency Plan Revision 12-3, Section E
- McGuire Emergency Plan Revision 12-4, Section E
- Oconee Emergency Plan Revision 2012-04, Section E.3

This change will require editorial changes to the following Emergency Plan Sections due to renumbering the procedure. These are being screened on separate forms:

- Catawba Emergency Plan Revision 12-3, Section E.2 and Figure P-2
- McGuire Emergency Plan Figure P-2
- Oconee Emergency Plan Revision 2012-04, Figure P-1.

3.10 10CFR 50.54(q) Evaluations

**Impact and Licensing Basis Determination:**

**BLOCK 3**

1. *[list of functions, elements and/or commitments impacted by the activity (organized by planning standard as applicable)]*

**Licensing Basis:**

The applicable planning Standard is 10CFR50.47(b)(5). The applicable EP Program Function is, "Procedures for notification of State and local governmental agencies are capable of alerting them of the declared emergency within 15 minutes after the declaration of an emergency and providing follow-up notifications."

This procedure revision does not require a change to the emergency plan content as it does not change the Emergency Notification Form format, process for alerting ERO members, or message authentication technique described in the following emergency plan sections:

- Catawba Emergency Plan Revision 12-3, Section E
- McGuire Emergency Plan Revision 12-4, Section E
- Oconee Emergency Plan Revision 2012-04, Section E.3

The following elements of the emergency notification process are NOT changing with this procedure revision:

- Emergency Notification Form (ENF) content
- Message authentication methodology (use of a code word list)
- Technology used to create the forms (WebEOC, pre-printed forms, manual forms)
- Technology used to transmit the forms (AT&T enhanced fax, manual fax, selective signaling, commercial telephone)
- EOF Offsite Agency Communicator staffing levels
- EOF Offsite Agency Communicator training requirements.

This revision updates the roles and responsibilities of the EOF Offsite Agency Communicators and revises the procedural guidance for completing and transmitting the notification forms.



3.10.10CFR 50.54(q) Evaluations

**Compliance Evaluation and Conclusion:**

**BLOCK 4**

**I. Evaluation:**

10CFR50.47.(b)(5) (5) Procedures have been established for notification, by the licensee, of State and local response organizations and for notification of emergency personnel by all organizations; the content of initial and follow up messages to response organizations and the public has been established; and means to provide early notification and clear instruction to the populace within the plume exposure pathway Emergency Planning Zone have been established."

- SR/O/A/2000/004 Revision 0 is the procedure established for notification, by the licensee, of State and local response organizations from the Emergency Operations Facility. Emergency Notification Form (ENF) content is not affected by this revision. The form is not changing. This revision changes the "how to" steps for completing the form to improve usability.

10CFR 50 Appendix E.IV.C.1., "...The existence, but not the details, of a message authentication scheme shall be noted..."

- The message authentication methodology is not changing with this new procedure. A code word list will still be used for message authentication.

10CFR 50 Appendix E.IV.D.1., "...Administrative and physical means for notifying local, State, and Federal officials and agencies..."

- EOF Offsite Agency Communicator staffing levels and training requirements are not changing.
- Written procedures and the same Emergency Notification Form are being used to prepare notification content.
- The technology used to create the forms (WebEOC, pre-printed forms, manual forms) and to transmit the forms (AT&T enhanced fax, manual fax, selective signaling, commercial telephone) is not changing.

10CFR 50 Appendix E.IV.D.3. "A licensee shall have the capability to notify responsible State and local governmental agencies within 15 minutes after declaring an emergency."

- The intent of this revision was to improve the usability of the procedure to ensure the capability to notify state and local governmental agencies within 15 minutes after declaring an emergency. The revised procedure has undergone verification and validation per the requirements in NSD-705. A copy of the validation documentation is attached.

**Conclusion:**

The proposed activity ☒ does / ☐ does not continue to comply with the requirements.

3.10 10CFR 50.54(q) Evaluations

Reduction in Effectiveness (RIE) Evaluation and Conclusion:

BLOCK 5

1. Evaluation:

The applicable planning Standard is 10CFR50.47(b)(5). The applicable EP Program Function is, "Procedures for notification of State and local governmental agencies are capable of alerting them of the declared emergency within 15 minutes after the declaration of an emergency and providing follow-up notifications."

The intent of this revision was to improve the usability of the procedure to ensure the capability to notify state and local governmental agencies within 15 minutes after declaring an emergency. The revised procedure has undergone verification and validation per the requirements in NSD-705. A copy of the validation documentation is attached.

The various portion of this procedure support the Local/State Event Notification Function as follows:

1. Purpose - Provides the purpose of the procedure
2. Definitions - Defines key terms used in Emergency Notification Process
3. Procedure - Turnover of Offsite Communications responsibilities and EOF Activation
4. References - Site Specific Emergency Plans
5. Records - specifies record retention requirements
6. Enclosures-
  - Enclosure 6.1 - ENF Completion - Line by line instructions for completing the form
  - Enclosure 6.2 - ENF Transmission - Using WebEOC/AT&T fax and Selective Signaling
  - Enclosure 6.3 - Message Authentication - Using the code word list
  - Enclosure 6.4 - Fax Instructions - Manual fax transmission
  - Enclosure 6.5 - Lead Offsite Agency Communicator Duties (supports overall communication function)
  - Enclosure 6.6 - ENF Communicator Duties (supports ENF Completion)
  - Enclosure 6.7 - Telephone Communicator (supports ENF Transmission)
  - Enclosure 6.8 - ENF Quick Reference (supports ENF Completion)
  - Enclosure 6.9 - Turnover Checklist (supports Turnover of Offsite Communications responsibilities and EOF Activation)

Conclusion:

The proposed activity ☐ does / ☒ does not constitute a RIE.

Effectiveness Evaluation Results

BLOCK 6

- ☒ The activity does continue to comply with the requirements of §50.47(b) and §50 Appendix E and the activity does not constitute a reduction in effectiveness. Therefore, the activity can be implemented without prior approval.
- ☐ The activity does not continue to comply with the requirements of §50.47(b) and §50 Appendix E or the activity does constitute a reduction in effectiveness. Therefore, the activity cannot be implemented without prior approval.

Preparer Name: Ernestine M. Kuhr	Preparer Signature <i>Ernestine M. Kuhr</i>	Date: 03/05/2013
Reviewer Name: <i>GARY L. Mitchell</i>	Reviewer Signature <i>GARY L. Mitchell</i>	Date: <i>3-7-2013</i>
Approver Name: <i>Tom Arlow</i>	Approver Signature <i>Tom Arlow</i>	Date: <i>3/7/13</i>

## §50.54(q) Screening Evaluation Form

Oconee

**Activity Description and References:** SR/0/A/2000/004, Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee  
Revision 0

BLOCK 1

This procedure is being revised because the current procedure does not meet the guidance in the procedure writer's manual and contains human performance traps. It has been rewritten and has undergone a verification and validation.

**PIP addressed:**

- G-10-0955 - SR procedures do not meet the Procedures Writers' Manual (PWM) as described in NSD 703
- G-12-0533 - Procedure SR/0/B/2000/004, 'Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee' contains human performance traps. (INOS-Audit Deficiency)
- G-12-0537 CA#4 - Recommend this procedure be rewritten and undergo a verification and validation

**DocuTracks items addressed:**

- NGO-2010-000101 - "Original" Stamp
- NGO-2011-000008 - Steps to fax ENFs to downstream agencies for dam failures
- NGO-2012-000008 - ENF Quick reference off center and portions cut off
- NGO-2012-000015 - Editorial changes needed to correct items as a result of annual review
- NGO-2012-000018 - Changes to Primary and Alternate State Warning Points
- NGO-2012-000082 - Add note about expectation for correcting errors
- NGO-2012-000086 - Revise enclosure references in EOF Activation Procedure

**Description of changes****Procedure Title**

1. Renumbered procedure to be SR/0/A/2000/004 to comply with McGuire UFSAR Section 17.1.3.4

**Body of Procedure**

2. Replaced entire body of procedure with new body formatted per Procedure Writer's Manual (PWM) Revision 12, Section 2.6 format for SR procedures. {PIPs G-10-0955, G-12-0533, and PWM Rev. 12}. Changed structure and titles and accompanying verbiage:

**FROM:**

1. Symptoms
2. Immediate Action
3. Subsequent Action
4. Enclosures

**TO:**

1. Purpose
2. Definitions
3. Procedure
4. References
5. Records
6. Enclosures

Wording for the Purpose, Definition, References, and Records were based on the draft notification

3.10 10CFR 50.54(q) Evaluations

procedure developed as part of the Standard ERO project, modified based on feedback from EP Staff.

3. Changes made throughout to bring document into compliance with legacy Duke Procedure Writers Manual (PIPs G-10-0955, G-12-0533, M-12-000029, PWM Rev. 12, and DocuTracks NGO-2012-000015) to:
  - Place verbs at the beginning of action steps.
  - Change verbs to those included in NSD-704, Appendix V, wherever possible
  - Delete definite and indefinite articles ("the," "a," "an")
  - Split steps with multiple actions into separate steps
  - Eliminate unnecessary verbiage, corrected grammar, and changed punctuation for clarity
  - Highlight **IF, AND, OR, GO TO**
  - Change bullets to checkboxes if only one selection is appropriate
  - Rewrite Notes that contained actions to make them action steps or deleted the actions
  - Change actions steps that were informational into Notes
  - Deleted unnecessary notes
  - Use appropriate words (**IF, IF AT ANY TIME, WHEN**) and format (action verb after conditional, no **THEN**) for conditional steps
  - Use appropriate format for Notes
  - Ensure notes kept together with the steps which follow.
  - Format references to other enclosures to put enclosure number first
  - Add titles for procedures being referenced
  - Use checkboxes for places where site specific enclosures, procedures, or other information is referenced so user can indicate which site is appropriate
  - Changed to use of checkboxes for placekeeping
4. Update enclosure numbers in this procedure from 4.# to 6.#
5. Update enclosure number references in SR/O/B/2000/003 from 4.# to 6.# (PIP M-12-000029 and DocuTracks NGO-2012-000015)
6. Boldface words that represent WebEOC buttons (e.g. Approval, Validate)

1. Purpose

Replaced 1. Symptoms with new 1. Purpose.

2. Definitions

Added 2. Definitions and provided definitions for the following terms:

- Initial Notification
- Follow-up Notification
- Termination Notification
- WebEOC
- Emergency Notification Form (ENF)
- Other Information
- Selective Signaling System
- Authentication Code.

3. Procedure

3. Replaced 3. Immediate Actions with 3. Procedure.
4. Old Note 1 - Deleted as this described actions for the EOF director that are covered in SR/O/B/2000/003.
5. Old Note 2 - Renumbered to be Note 1.
6. New Note 2 - Added to describe how to address errors discovered after a notification form is transmitted. (PIP M-12-04986 and DocuTracks NGO-12-000082)

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7. Old Note 3 - Moved information from Old Note 3 to refer to EP FAM 3.15 for WebEOC logon instructions to Step 3.5 and deleted Note.
8. New Note 3 - Added new Note that states that the first offsite agency communicator to arrive should begin to perform the procedure regardless of which role they expect to perform.
9. Old Note 4 - Deleted as there are no longer immediate action steps.
10. Existing immediate actions steps 2.1 through 2.8 - Renumbered as Procedure Steps 3.1 through 3.8 with check boxes for place keeping and updated step references.
11. Old step 2.2 (new step 3.2) - Revised to refer to SR/0/B/2000/003, Enclosure 6.10. {DocuTracks NGO-2012-000088 from 8/14/2012 Oconee Drill}
12. Old step 2.4 (new step 3.4) - Revised to capitalize PC {PIP M-12-000029 and DocuTracks NGO-2012-000015}
13. Existing subsequent action steps 3.1 through 3.7 - Revised to be 3.9 through 3.14.
14. Reordered steps to move the steps to update status board and notify lead personnel of when next message due earlier in the procedure.
15. Combined old steps 3.6 and 3.7 for actions taken upon EOF activation into new Step 3.14 with substeps.
16. New steps 3.15 and 3.16 - Added to require use of Enclosures 6.1 and 6.2 to complete and transmit a notification form, respectively.

4. References

1. Added 4. References
2. 4. References - Included references to the station emergency plans

5. Records

1. Added 5. Records
2. Step 5.1 - Added to specify that completed paperwork should be turned into the EOF Emergency Planner.
3. Step 5.2 - Added to ensure EOF Director approves procedure completion.

6. Enclosures

Renumbered existing Enclosures from 4.# to 6.#

Old Enclosure 4.1 (New Enclosure 6.1)

1. Step 1. Reworded step to have user review information in table.
2. Step 1 Table - Reformatted table so the right hand edge of table does not go off the page. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Step 1 Table \*NOTE - Revised to move Oconee specific information to the end.
4. Step 2 - Reformatted and reworded as high level step rather than section header.
5. Step 2.1 - Updated EP FAM 3.15 enclosure reference. Revised step to remove existing condition. Even if WebEOC was already started, a new ENF must be accessed. Made step conditional for use of WebEOC and removed OR following step. Added instruction to GO TO Step 2.4.
6. Step 2.2 - Made step conditional for use of pre-printed ENF and removed OR following step. Added instruction to GO TO Step 2.4.
7. Step 2.3 - Made step conditional for use of blank ENF.
8. Second Note before Step 2.4 - Deleted as unnecessary
9. Step 2.5 - Deleted definitions for Initial and Follow-up as these are now defined in Section 2 of the body of the procedure.
10. Note before Step 2.6 - Deleted as unnecessary.
11. Old Step 2.7 - made sub-step 2.6.3 and renumbered subsequent steps
12. Note before old Step 2.8 (new Step 2.7) - Combined with Step 2.7.
13. Old Step 2.8.2 (New Step 2.7.2)- Changed I/C to Emergency Action Level (EAL) {Validation Comment}
14. Old Step 2.8.3 (New Step 2.7.3)- Changed I/C to EAL {Validation Comment}
15. Added Note before new Step 2.8 to state that a current dose run may not be available and is not required for

3.10 10CFR 50.54(q) Evaluations

- initial notifications. {Validation Comment}
16. Old Step 2.9 (new Step 2.8)- Revised to confer with Radiological Assessment Manager (RAM) to determine whether a current dose run is to be imported rather than if one is available. {Validation Comment}
  17. Old Step 2.9 (new Step 2.8)- Wrote new conditional sub-steps for actions depending on whether or not a Raddose run is to be imported. {Validation Comment}
  18. Old Step 2.9.3 (new Step 2.8.2) - Changed "form" to "ENF" {Verification Comment}
  19. Old Step 2.9.3 (new Step 2.8.3) - Changed "(designated fields should appear marked on the form.) (Lines 5, 6, 7, 9, 14, 15, 16)" to "Verify imported information is correct on Lines 5, 6, 7, 9, 14, 15, and 16." {Validation Comment}
  20. First Note before old Step 2.10 (new step 2.9) - Reworded to be definition of Condition A as the PARs for Condition A are provided in new Step 2.9.6.
  21. Second Note before old Step 2.10 (new step 2.9) - Combined with Step 2.9
  22. Old Step 2.10.5 (new Step 2.9.5)- Revised verb to "Record" and deleted reference to SR/O/B/2000/003 Enclosures as the RAM determines the PARs
  23. Old Step 2.10.6 (new Step 2.9.6) - Reworded "has been determined for a" to "exists" and deleted "perform the following" for clarity.
  24. Old Step 2.10.6 (new Step 2.9.6) Sub-steps A and B - changed "Check...and record" to "Verify, select or record" {Validation Comment. Different verbs depend on what form of ENF is being used: pre-printed, WebEOC, or manual}
  25. Note 2 before old Step 2.11 - Deleted by combining information into new Steps 2.10 and 2.11.
  26. Old Step 2.11 (new Step 2.10) - Reworded to "Complete Line 6." {Validation Comment} and added (Data provided by RAM).
  27. First Note before old Step 2.12.2 - Deleted as it is redundant to old Step 2.12 and deleted number from other note.
  28. Second Note before Old Step 2.12.2 (Note before new Step 2.11.2) - Added parentheses for wording after ☐ to be consistent with the usage for ☐.
  29. Old Step 2.12 (new step 2.11)- Reworded to "Complete Line 7" {Validation Comment} and added (Data provided by RAM).
  30. Note before old Step 2.13 - Combined with new Step 2.12.
  31. Old Step 2.13 (new Step 2.12)- Un-bolded words and made mixed case. {Validation Comment}
  32. Note 2 before old Step 2.14 (new Step 2.13)- Reworded to include parenthetical information into Note.
  33. Note 3 before old Step 2.14 (new Step 2.13) - Combined with Step 2.13.
  34. Old Step 2.14.1 (new Step 2.13.1)- Rewritten to "If Raddose information was imported into WebEOC ENF, verify data is correct." {Validation Comment}
  35. First Note before old Step 2.15 (new Step 2.14) - Deleted as necessary information is contained in new Step 2.14.2.A.
  36. Second Note before old Step 2.15 (new Step 2.14) - Combined with new Step 2.14
  37. Old Step 2.15 (new Step 2.14) - Reworded to "Complete Line 10 (Data provided by Accident assessment Manager)"
  38. First Note before old Step 2.17 (new Step 2.16) - Reworded to say, "The following list provides examples of events that could affect more than one unit. {PIP M-12-000029, DocuTracks NGO-2012-000015, and Validation Comments}
  39. Second Note before old Step 2.17 - Combined with new Step 2.16.
  40. Old Step 2.17 (new Step 2.16)- Reworded to "Complete Line 11 (Data provided by Accident Assessment Manager)"
  41. Old Step 2.17.1 - Deleted Step. Moved PIP references and lists of events that potentially affect both units from Step 2.17.1 into Note box before new Step 2.16 and renumbered sub steps.
  42. Old Sub-steps 2.17.2 and 2.17.3 (Renumbered 2.16.1 and 2.16.2 - Changed "all units" to "more than one unit" and added PIP G-11-1283 as a reference. {PIP G-11-1283 and DocuTracks NGO-2012-000010}
  43. First Note before old Step 2.18 (new Step 2.17) - Deleted as information incorporated into new Step 2.17

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- and renumbered Note 2 to be Note 1.
44. Note 3 before old Step 2.18 (Note 2 before new Step 2.17) - Reworded to, "In WebEOC ENF, Get Time/Date button will load current time and date in specified line field in appropriate format. Edit as needed." {Validation Comment}
  45. Old Step 2.18 (New Step 2.17) - Rewritten to "Complete Line 12. (Data provided by Accident Assessment Manager)
  46. Old steps 2.18.1, and 2.18.2 - Renumbered as new Steps 2.17.1 and 2.17.2.
  47. Note before Old Step 2.19 (new Step 2.18) - Rewritten to update enclosure number, add enclosure title and page reference.
  48. New Note added before new Step 2.21 - "Information for Lines 14, 15, and 16 may not be available and is not required for follow-up notifications due Protective Action Recommendation change." {Validation Comment}
  49. New Step 2.21 - Revised step logic to allow going to Step 2.23 if dose information is available on a PAR change. {Validation Comment}
  50. Note before old Step 2.24 - Combined with new Step 2.23.
  51. Old Step 2.24.1 - Deleted. If a release is not occurring or has not occurred, ☐ None would be selected on Line 6 and the user would be sent from new step 2.22 to new Step 2.24.
  52. Old Step 2.24.2 (new Step 2.23.1) - Revised to indicate the data is imported from RADDOSE.
  53. Old Step 2.24.3 - Deleted. If a release is not occurring or has not occurred, ☐ None would be selected on Line 6 and the user would be sent from new step 2.22 to new Step 2.24.
  54. First Note before old Step 2.25 (New step 2.24) - Deleted. GO TO steps would direct user to this step for termination notification.
  55. Old Step 2.25 (New Step 2.24) - Revised to clarify the approval and signature process for a manual ENF and to add use of the "ORIGINAL" stamp. {DocuTracks NGO-2010-0000101}
  56. Note before old Step 2.26 (New Step 2.25) - Deleted as GO TO steps and step logic would direct user to this step for termination notification. Also, WebEOC will not allow a Termination message to be approved without completing Line 17.
  57. Note before old Step 2.27 - Moved to be Note 2 before Step 2.24 as it refers to information on Line 17. Changed "section" to "sections" and "is" to "are" as the sentence subject is plural. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
  58. Old Step 2.27.2 - Revised to split it into two steps (new Steps 2.26.2 and 2.26.3) as these are separate actions.
  59. New Step 2.26.4 - Added for use of the "ORIGINAL" stamp. {DocuTracks NGO-2010-0000101}

Old Enclosure 4.2 (New Enclosure 6.2)

1. Note 1 before Step 1 - Changed "Signal" to "Signaling." Changed "Bell Line" to Commercial Telephone. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
2. Note 2 before Step 1 - Reformatted list of locations for obtaining backup communications information to be a bulleted list.
3. Note 4 before Step 1 - Rewrote to provide NRC interpretation of NRC 15 minute notification requirement (all agencies must be notified within 15 minutes of emergency declaration). {PIP G-12-1571}
4. Note 5 before Step 1 - Deleted as it was redundant to the Note before Step 1.5
5. Step 1.2.1 - Split into two steps and renumbered subsequent steps.
6. Old Steps 1.2.5 and 1.2.6 (new Steps 1.2.6 and 1.2.7) - Reworded to delete parenthetical information by incorporating it into the step.
7. Step 1.3 - Reworded to "Press appropriate group dial code."
8. New Note before step 1.3.1 added to allow use of Page 2 of manual ENF as a job aid for checking off agency names
9. New Step 1.3.1 - Added to have caller record each agency answering by checking off agency name.
10. Old Step 1.3.1 - Renumbered to Step 1.3.2. Revised to delete dialing Selective Signaling group code a second time, instead instructing user to dial individual dial code or get assistance to use backup means to

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contact agency.

11. Old Step 1.3.1 (New Step 1.3.2) - Changed "Bell Line" to "Commercial Telephone" in Catawba, McGuire, and Oconee tables.
12. Old Step 1.3.1 (New Step 1.3.2) - Changed phone number in Catawba table for NC EOC to be 919-733-3300 per email from Steve Payne, NC EM. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
13. Old Step 1.3.1 (New Step 1.3.2) - Added phone numbers for Mecklenburg County EOC (704-432-4120), Cabarrus County EOC (704-436-6519) and changed phone number for NC EOC to be 919-733-3300 in McGuire table. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
14. Step 1.4.1 - Rewrote step to move all actions to parts A through D
15. Step 1.4.2 - Rewrote step as conditional step to be used to document notification time on a manual ENF.
16. Old Step 1.4.3 - Deleted as it was redundant with Steps 1.3.1 and 1.12 {Validation Comment}
17. Note before Step 1.5 - Added "or if requested by an offsite agency" as a time when authentication may be required.
18. Step 1.6 - Deleted parenthetical information. Changed "all agencies" to "agencies" to allow proceeding if an agency does not answer initial call attempts.
19. Step 1.6 broken into a step and two sub-steps, 1.6.1 for initial and follow-up notifications, and 1.6.2 for termination notifications.
20. New Step 1.6.1 - Added script to provide the following information for initial and follow-up notifications: drill/actual emergency, affected site, classification level, EAL number, and that the message had been faxed (and posted to WebEOC if applicable). {PIP G-12-1571}
21. New Step 1.6.2 - Added script to provide the information for termination notifications: drill/actual emergency, affected site, termination of which classification level, and that the message had been faxed (and posted to WebEOC if applicable). {December 20, 2012, drill feedback from Validation Team}
22. New Note before Step 1.9 - Added new Note to provide information on the need to read the message slowly if being transmitted verbally and deleted it from step 1.9.2.
23. Old Step 1.9.3 - Deleted existing Step as it is redundant to Note before Step 1.5 and Step 1.5.
24. Old Step 1.9.4 - Deleted step as it is redundant to step 1.5 and old Enclosure 4.3 (new Enclosure 6.3).
25. Old Step 1.9.5 - Deleted as it is not necessary.
26. Note before Step 1.12 - Moved before Step 1.11 as it more logically belongs there.
27. Step 1.12 - Added "AND performing a roll call" after script in box. {Validation Comment}
28. New Step 1.14 - Added new Step 1.14 to require faxing ENF to GEMA, NWS, Hart County EMA, and Elbert County EMA for Keowee Dam Condition "A" or "B" or external flood. {PIP O-11-00466, DocuTracks NGO-2011-000008}
29. Old Step 1.14 - Deleted from Enclosure 6.2 and added to Enclosure 6.7, page 2 of 2, as last step. {Verification Comment}

Old Enclosure 4.3 (Enclosure 6.3)

1. Old Note before Step 1 - Broken into three separate notes. {Verification Comment}
2. Old Note before Step 1 (New Note 2) - Added period after "authentic" in line 5. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Last bullet in Note (New Note 3) - Corrected format. {PIP M-12-000029 and DocuTracks NGO-2012-000015}

Old Enclosure 4.4 (New Enclosure 6.4)

1. Added step numbers to conditional steps and added place keeping boxes. {Verification Comment}
2. Renumbered sub-steps from letters to #.#.# format to be consistent with other enclosures.
3. Old Step 1 (New Step 1.1) - Revised wording to clarify to use Group fax to send to all states and counties for a site.
4. Old Step 1.d (New Step 1.1.4) - Updated enclosure and step reference and reworded for clarity.
5. Old Step 2.b (New Step 2.2.2) Catawba and McGuire tables - Changed North Carolina EOC to North Carolina WP/EOC and North Carolina Highway Patrol (WP Backup) to North Carolina Alternate State WP



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{DocuTracks NGO-2012-000018}

6. Step 2.d (New Step 2.1.4) - Updated Enclosure reference and reworded for clarity.
7. Old Step 3.c (New Step 3.1.3) - Corrected first NWS fax number to 9-864-848-5072. Corrected fax number for Elbert County EMA to be 9-706-283-2029. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
8. Note before Old Step 3.c (New Step 3.1.3) - Added information on where telephone numbers can be found for GEMA, NWS, Hart County EMA, and Elbert County EMA. {PIP O-11-00466, DocuTracks NGO-2011-000008}
9. Old Step 3.d (New Step 3.1.4) - Reworded for clarity.

Old Enclosure 4.5 (New Enclosure 6.5)

1. Old Note before first step - Moved to be Note 3 before Step 3.1 of procedure body.
2. New Step 3 - Added a step to arrange for 24-hour Offsite Agency Communicator coverage.
3. Page 2 of 4 Notification Criteria table - Revised table so the right hand edge of table does not go off the page. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
4. Page 2 of 4 Notification Criteria table \*NOTE - Revised to move Oconee specific information to the end.
5. Page 3 of 4 - Moved old last step to be first step on this page to be in more logical order. Informing the EOF Director of progress in preparing to take turnover needs to be before instructions on completing Line 13 of the notification.
6. Page 3 of 4 - Combined old Steps one and two on this page and Note to all become one Note. The action to complete Line 13 of the form is contained in Enclosure 6.1 step 2.19.
7. Page 3 of 4 - Deleted old step 3 as it is redundant to Steps 4 and 5 on Page 1 of this enclosure.
8. Page 3 of 4 - Added new second and third step on this page by relocating old Step 5 on Page 4 of 4 and splitting it into two steps.
9. Page 4 of 4 - Revised second step to remove informational material and place it into a new Note before the step.
10. Page 4 of 4 New Note - clarified that it is Dose Assessment that needs the 15 minute warning and made verb singular. {Validation and Verification Comments}
11. Page 4 of 4 - Revised second step to coordinate with Radiological Assessment Manager to ensure notification time requirements are met. {Verification Comment}
12. Page 4 of 4 - Deleted old third step as it is not needed.
13. Page 4 of 4 - Old Step 7 (new Step 4) revised for clarity.
14. Page 4 of 4 - Deleted old Step 8 as these actions are covered by Enclosure 6.1, Steps 2.25 through 2.27.
15. Page 4 of 4 - Added new responsibility for the Lead Offsite Agency Communicator to act as a backup Telephone Communicator if all agencies are not on selective signaling. {Validation Comment}
16. Page 4 of 4 - Split old Step 9 into two steps.
17. Page 4 of 4 - Revised old Step 10 to make this an action step.

Enclosure 6.6

1. Deleted old Step 4 - This action is covered by Step 3.2 in the body of the procedure.
2. Deleted old Step 5 - This action is addressed in Section 5.2 in the body of the procedure.

Enclosure 6.7

1. Step 1 - Reworded step to have user review information in table.
2. Step 1 - Revised table so the right hand edge of table does not go off the page. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Step 1 - Revised \*NOTE to move Oconee specific information to the end
4. New Step 2 - Added new Step 2 to Transmit messages per Enclosure 6.2.
5. Old Step 2 - Deleted old Step 2 as answering questions outside the ENF information is covered in Enclosure 6.2 Step 1.11.
6. Old Step 3 - Deleted old Step 3 as this responsibility has been assigned to the lead Offsite Agency Communicator.

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7. Old Step 4 - Deleted old Step 4 as this information is contained the table in Step 1.
8. Old Step 5 - Deleted old Step 5 as signing off completed tasks is an expectation of NSD-704 and does not need to be repeated here.
9. Old Step 6 - Deleted old Step 6 as transmitting ENFs by fax is addressed in Enclosure 6.4.
10. Old Step 7 - Took information in parentheses and made it a Note before the step.

**Enclosure 6.8**

1. Page 1 of 2 - Corrected table so it does not go off the page {PIP G-11-1544 and DocuTracks NGO-2012-000008}
2. Line 3 - Changed ie to e.g. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Line 4 - Deleted references to IC as form and WebEOC calls this EAL. {Validation Comment}
4. Line 5 - Indicated potential dam failure PARs for Oconee at SAE or GE. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
5. Line 10 - Abbreviated Emergency Notification Form as ENF and deleted unnecessary words
6. Line 11 - Changed "all units" to "more than one unit." {PIP G-11-1283 and DocuTracks NGO-2012-000010}
7. Lines 14-16 - Added Radiological Information as this is how this section is labeled on the ENF. Deleted "Complete Line 14, 15, and 16 per one of the following methods" this whole Enclosure contains instructions for filling out the form.
8. Lines 14-16 - Changed to indicate the RAM provides Radiological Information for a manual form.
9. Line 17 - Abbreviated Emergency Notification Form as ENF. Deleted reference to Emergency Coordinator as this is the EOF procedure.
10. Last Line - Referred user to Enclosure 6.2 for fax instructions.

**Activity Scope:**

**BLOCK2**

- ☐ The activity is a *change* to the *emergency plan*
- ☒ The activity is not a *change* to the *emergency plan*

The following Emergency Plan Sections were reviewed. This procedure revision does not require a change to the emergency plan content as it does not change the Emergency Notification Form format or message authentication technique.

- Catawba Emergency Plan Revision 12-3, Section E
- McGuire Emergency Plan Revision 12-4, Section E
- Oconee Emergency Plan Revision 2012-04, Section E.3

This change will require editorial changes to the following Emergency Plan Sections due to renumbering the procedure. These are being screened on separate forms:

- Catawba Emergency Plan Revision 12-3, Section E.2 and Figure P-2
- McGuire Emergency Plan Figure P-2
- Oconee Emergency Plan Revision 2012-04, Figure P-1

**Change Type:**

**BLOCK3**

- ☐ The change is editorial or typographical
- ☐ The change is not editorial or typographical

Not Applicable

**Change Type:**

**BLOCK4**

- ☐ The change does conform to an activity that has prior approval
- ☐ The change does not conform to an activity that has prior approval

Not Applicable

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Planning Standard Impact Determination:

BLOCK 5

- ☐ §50.47(b)(1) - Assignment of Responsibility (Organization Control)
- ☐ §50.47(b)(2) - Onsite Emergency Organization
- ☐ §50.47(b)(3) - Emergency Response Support and Resources
- ☐ §50.47(b)(4) - Emergency Classification System\*
- ☒ §50.47(b)(5) - Notification Methods and Procedures\*
- ☐ §50.47(b)(6) - Emergency Communications
- ☐ §50.47(b)(7) - Public Education and Information
- ☐ §50.47(b)(8) - Emergency Facility and Equipment
- ☐ §50.47(b)(9) - Accident Assessment\*
- ☐ §50.47(b)(10) - Protective Response\*
- ☐ §50.47(b)(11) - Radiological Exposure Control
- ☐ §50.47(b)(12) - Medical and Public Health Support
- ☐ §50.47(b)(13) - Recovery Planning and Post-accident Operations
- ☐ §50.47(b)(14) - Drills and Exercises
- ☐ §50.47(b)(15) - Emergency Responder Training
- ☐ §50.47(b)(16) - Emergency Plan Maintenance

\*Risk Significant Planning Standards

- ☐ The proposed activity does not impact a Planning Standard

This procedure revision impacts the program element of Notification Messages and Procedures, specifically the Local/State Event Notification Function. The following elements of the notification process are NOT changing: Emergency Notification Form (ENF) content, message authentication methodology (use of a code word list), technology used to create the forms (WebEOC, pre-printed forms, manual forms), the technology used to transmit the forms (AT&T enhanced fax, manual fax, selective signaling, commercial telephone), EOF Offsite Agency Communicator staffing levels, EOF Offsite Agency Communicator training requirements.

The various portion of this procedure support the Local/State Event Notification Function as follows:

Procedure Body - Turnover of Offsite Communications responsibilities and EOF Activation

Enclosure 6.1 - ENF Completion

Enclosure 6.2 - ENF Transmission

Enclosure 6.3 - Message Authentication

Enclosure 6.4 - Fax Instructions (supports ENF Transmission)

Enclosure 6.5 - Lead Offsite Agency Communicator Duties (supports overall communication function)

Enclosure 6.6 - ENF Communicator Duties (supports ENF Completion)

Enclosure 6.7 - Telephone Communicator (supports ENF Transmission)

Enclosure 6.8 - ENF Quick Reference (supports ENF Completion)

Enclosure 6.9 - Turnover Checklist (supports Turnover of Offsite Communications responsibilities and EOF Activation)

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<b>Commitment Impact Determination:</b>		<b>BLOCK 6</b>
<input type="checkbox"/> The activity <u>does</u> involve a site specific EP commitment <input checked="" type="checkbox"/> The activity <u>does not</u> involve a site specific EP commitment		
<p>The following Emergency Plan Sections were reviewed. This procedure revision does not a change the Emergency Plans commitments because they do not change the Emergency Notification Form format or message authentication technique.</p> <ul style="list-style-type: none"> <li>• Catawba Emergency Plan Revision 12-3, Section E</li> <li>• McGuire Emergency Plan Revision 12-4, Section E</li> <li>• Oconee Emergency Plan Revision 2012-04, Section E.3</li> </ul>		
<b>Screening Evaluation Results:</b>		<b>BLOCK 7</b>
<input type="checkbox"/> The activity <u>can</u> be implemented without performing a §50.54(q) effectiveness evaluation <input checked="" type="checkbox"/> The activity <u>cannot</u> be implemented without performing a §50.54(q) effectiveness evaluation		
Preparer Name: Ernestine M. Kuhr	Preparer Signature <i>Ernestine M. Kuhr</i>	Date: 03/05/2013
Reviewer Name: <i>Robert Taylor</i>	Reviewer Signature <i>Robert Taylor</i>	Date: 3/7/13

## §50.54(q) Screening Evaluation Form

McGuire

Activity Description and References: SR/0/A/2000/004, Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee  
Revision 0

BLOCK 1

This procedure is being revised because the current procedure does not meet the guidance in the procedure writer's manual and contains human performance traps. It has been rewritten and has undergone a verification and validation.

## PIP addressed:

- G-10-0955 - SR procedures do not meet the Procedures Writers' Manual (PWM) as described in NSD 703
- G-12-0533 - Procedure SR/0/B/2000/004, 'Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee' contains human performance traps. (INOS-Audit Deficiency)
- G-12-0537 CA#4 - Recommend this procedure be rewritten and undergo a verification and validation

## DocuTracks items addressed:

- NGO-2010-000101 - "Original" Stamp
- NGO-2011-000008 - Steps to fax ENFs to downstream agencies for dam failures
- NGO-2012-000008 - ENF Quick-reference off center and portions cut off
- NGO-2012-000015 - Editorial changes needed to correct items as a result of annual review
- NGO-2012-000018 - Changes to Primary and Alternate State Warning Points
- NGO-2012-000082 - Add note about expectation for correcting errors
- NGO-2012-000086 - Revise enclosure references in EOF Activation Procedure

## Description of changes

Procedure Title

1. Renumbered procedure to be SR/0/A/2000/004 to comply with McGuire UFSAR Section 17.1.3.4

Body of Procedure

2. Replaced entire body of procedure with new body formatted per Procedure Writer's Manual (PWM) Revision 12, Section 2.6 format for SR procedures. {PIPs G-10-0955, G-12-0533, and PWM Rev. 12}. Changed structure and titles and accompanying verbiage:

## FROM:

1. Symptoms
2. Immediate Action
3. Subsequent Action
4. Enclosures

## TO:

1. Purpose
2. Definitions
3. Procedure
4. References
5. Records
6. Enclosures

Wording for the Purpose, Definition, References, and Records were based on the draft notification

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procedure developed as part of the Standard ERO project, modified based on feedback from EP Staff.

3. Changes made throughout to bring document into compliance with legacy Duke Procedure Writers Manual (PIPs G-10-0955, G-12-0533, M-12-000029, PWM Rev. 12, and DocuTracks NGO-2012-000015) to:
  - Place verbs at the beginning of action steps.
  - Change verbs to those included in NSD-704, Appendix V, wherever possible
  - Delete definite and indefinite articles ("the," "a," "an")
  - Split steps with multiple actions into separate steps
  - Eliminate unnecessary verbiage, corrected grammar, and changed punctuation for clarity
  - Highlight **IF, AND, OR, GO TO**
  - Change bullets to checkboxes if only one selection is appropriate
  - Rewrite Notes that contained actions to make them action steps or deleted the actions
  - Change actions steps that were informational into Notes
  - Deleted unnecessary notes
  - Use appropriate words (**IF, IF AT ANY TIME, WHEN**) and format (action verb after conditional, no **THEN**) for conditional steps
  - Use appropriate format for Notes
  - Ensure notes kept together with the steps which follow.
  - Format references to other enclosures to put enclosure number first
  - Add titles for procedures being referenced
  - Use checkboxes for places where site specific enclosures, procedures, or other information is referenced so user can indicate which site is appropriate
  - Changed to use of checkboxes for placekeeping
4. Update enclosure numbers in this procedure from 4.# to 6.#
5. Update enclosure number references in SR/0/B/2000/003 from 4.# to 6.# (PIP M-12-000029 and DocuTracks NGO-2012-000015).
6. Boldface words that represent WebEOC buttons (e.g. Approval, Validate)

1. Purpose

Replaced 1. Symptoms with new 1. Purpose.

2. Definitions

Added 2. Definitions and provided definitions for the following terms:

- Initial Notification
- Follow-up Notification
- Termination Notification
- WebEOC
- Emergency Notification Form (ENF)
- Other Information
- Selective Signaling System
- Authentication Code.

3. Procedure

3. Replaced 3. Immediate Actions with 3. Procedure.
4. Old Note 1 - Deleted as this described actions for the EOF director that are covered in SR/0/B/2000/003.
5. Old Note 2 - Renumbered to be Note 1.
6. New Note 2 - Added to describe how to address errors discovered after a notification form is transmitted. {PIP M-12-04986 and DocuTracks NGO-12-000082}

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7. Old Note 3 - Moved information from Old Note 3 to refer to EP FAM 3.15 for WebEOC logon instructions to Step 3.5 and deleted Note.
8. New Note 3 - Added new Note that states that the first offsite agency communicator to arrive should begin to perform the procedure regardless of which role they expect to perform.
9. Old Note 4 - Deleted as there are no longer immediate action steps.
10. Existing immediate actions steps 2.1 through 2.8 - Renumbered as Procedure Steps 3.1 through 3.8 with check boxes for place keeping and updated step references.
11. Old step 2.2 (new step 3.2) - Revised to refer to SR/O/B/2000/003, Enclosure 6.10. {DocuTracks NGO-2012-000088 from 8/14/2012 Oconee Drill}
12. Old step 2.4 (new step 3.4) - Revised to capitalize PC {PIP M-12-000029 and DocuTracks NGO-2012-000015}
13. Existing subsequent action steps 3.1 through 3.7 - Revised to be 3.9 through 3.14.
14. Reordered steps to move the steps to update status board and notify lead personnel of when next message due earlier in the procedure.
15. Combined old steps 3.6 and 3.7 for actions taken upon EOF activation into new Step 3.14 with substeps.
16. New steps 3.15 and 3.16 - Added to require use of Enclosures 6.1 and 6.2 to complete and transmit a notification form, respectively.

4. References

1. Added 4. References
2. 4. References - Included references to the station emergency plans

5. Records

1. Added 5. Records
2. Step 5.1 - Added to specify that completed paperwork should be turned into the EOF Emergency Planner.
3. Step 5.2 - Added to ensure EOF Director approves procedure completion.

6. Enclosures

Renumbered existing Enclosures from 4.# to 6.#

Old Enclosure 4.1 (New Enclosure 6.1)

1. Step 1. Reworded step to have user review information in table.
2. Step 1 Table - Reformatted table so the right hand edge of table does not go off the page. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Step 1 Table \*NOTE - Revised to move Oconee specific information to the end.
4. Step 2 - Reformatted and reworded as high level step rather than section header.
5. Step 2.1 - Updated EP FAM 3.15 enclosure reference. Revised step to remove existing condition. Even if WebEOC was already started, a new ENF must be accessed. Made step conditional for use of WebEOC and removed OR following step. Added instruction to GO TO Step 2.4.
6. Step 2.2 - Made step conditional for use of pre-printed ENF and removed OR following step. Added instruction to GO TO Step 2.4.
7. Step 2.3 - Made step conditional for use of blank ENF.
8. Second Note before Step 2.4 - Deleted as unnecessary
9. Step 2.5 - Deleted definitions for Initial and Follow-up as these are now defined in Section 2 of the body of the procedure.
10. Note before Step 2.6 - Deleted as unnecessary.
11. Old Step 2.7 - made sub-step 2.6.3 and renumbered subsequent steps
12. Note before old Step 2.8 (new Step 2.7) - Combined with Step 2.7.
13. Old Step 2.8.2 (New Step 2.7.2) - Changed I/C to Emergency Action Level (EAL) {Validation Comment}
14. Old Step 2.8.3 (New Step 2.7.3) - Changed I/C to EAL {Validation Comment}
15. Added Note before new Step 2.8 to state that a current dose run may not be available and is not required for

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- initial notifications. {Validation Comment}
16. Old Step 2.9 (new Step 2.8)- Revised to confer with Radiological Assessment Manager (RAM) to determine whether a current dose run is to be imported rather than if one is available. {Validation Comment}
  17. Old Step 2.9 (new Step 2.8)- Wrote new conditional sub-steps for actions depending on whether or not a Raddose run is to be imported. {Validation Comment}
  18. Old Step 2.9.3 (new Step 2.8.2) - Changed "form" to "ENF" {Verification Comment}
  19. Old Step 2.9.3 (new Step 2.8.3) - Changed "(designated fields should appear marked on the form.) (Lines 5, 6, 7, 9, 14, 15, 16)" to "Verify imported information is correct on Lines 5, 6, 7, 9, 14, 15, and 16." {Validation Comment}
  20. First Note before old Step 2.10 (new step 2.9) - Reworded to be definition of Condition A as the PARs for Condition A are provided in new Step 2.9.6.
  21. Second Note before old Step 2.10 (new step 2.9) - Combined with Step 2.9
  22. Old Step 2.10.5 (new Step 2.9.5)- Revised verb to "Record" and deleted reference to SR/O/B/2000/003 Enclosures as the RAM determines the PARs
  23. Old Step 2.10.6 (new Step 2.9.6) - Reworded "has been determined for a" to "exists" and deleted "perform the following" for clarity.
  24. Old Step 2.10.6 (new Step 2.9.6) Sub-steps A and B - changed "Check...and record" to "Verify, select or record" {Validation Comment. Different verbs depend on what form of ENF is being used: pre-printed, WebEOC, or manual}
  25. Note 2 before old Step 2.11 - Deleted by combining information into new Steps 2.10 and 2.11.
  26. Old Step 2.11 (new Step 2.10) - Reworded to "Complete Line 6." {Validation Comment} and added (Data provided by RAM).
  27. First Note before old Step 2.12.2 - Deleted as it is redundant to old Step 2.12 and deleted number from other note.
  28. Second Note before Old Step 2.12.2 (Note before new Step 2.11.2) - Added parentheses for wording after ☐ to be consistent with the usage for ☐.
  29. Old Step 2.12 (new step 2.11)- Reworded to "Complete Line 7" {Validation Comment} and added (Data provided by RAM).
  30. Note before old Step 2.13 - Combined with new Step 2.12.
  31. Old Step 2.13 (new Step 2.12)- Un-bolded words and made mixed case. {Validation Comment}
  32. Note 2 before old Step 2.14 (new Step 2.13)- Reworded to include parenthetical information into Note.
  33. Note 3 before old Step 2.14 (new Step 2.13) - Combined with Step 2.13.
  34. Old Step 2.14.1 (new Step 2.13.1)- Rewritten to "**IF** Raddose information was imported into WebEOC ENF, verify data is correct." {Validation Comment}
  35. First Note before old Step 2.15 (new Step 2.14) - Deleted as necessary information is contained in new Step 2.14.2.A.
  36. Second Note before old Step 2.15 (new Step 2.14) - Combined with new Step 2.14
  37. Old Step 2.15 (new Step 2.14) - Reworded to "Complete Line 10 (Data provided by Accident assessment Manager)"
  38. First Note before old Step 2.17 (new Step 2.16) - Reworded to say, "The following list provides examples of events that could affect more than one unit. {PIP M-12-000029, DocuTracks NGO-2012-000015, and Validation Comments}
  39. Second Note before old Step 2.17 - Combined with new Step 2.16.
  40. Old Step 2.17 (new Step 2.16)- Reworded to "Complete Line 11 (Data provided by Accident Assessment Manager)"
  41. Old Step 2.17.1 - Deleted Step. Moved PIP references and lists of events that potentially affect both units from Step 2.17.1 into Note box before new Step 2.16 and renumbered sub steps.
  42. Old Sub-steps 2.17.2 and 2.17.3 (Renumbered 2.16.1 and 2.16.2 - Changed "all units" to "more than one unit" and added PIP G-11-1283 as a reference. {PIP G-11-1283 and DocuTracks NGO-2012-000010}
  43. First Note before old Step 2.18 (new Step 2.17) - Deleted as information incorporated into new Step 2.17



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- and renumbered Note 2 to be Note 1.
44. Note 3 before old Step 2.18 (Note 2 before new Step 2.17) - Reworded to, "In WebEOC ENF, Get Time/Date button will load current time and date in specified line field in appropriate format. Edit as needed." {Validation Comment}
  45. Old Step 2.18 (New Step 2.17) - Rewritten to "Complete Line 12. (Data provided by Accident Assessment Manager)
  46. Old steps 2.18.1, and 2.18.2 - Renumbered as new Steps 2.17.1 and 2.17.2.
  47. Note before Old Step 2.19 (new Step 2.18) - Rewritten to update enclosure number, add enclosure title and page reference.
  48. New Note added before new Step 2.21 - "Information for Lines 14, 15, and 16 may not be available and is not required for follow-up notifications due Protective Action Recommendation change." {Validation Comment}
  49. New Step 2.21 - Revised step logic to allow going to Step 2.23 if dose information is available on a PAR change. {Validation Comment}
  50. Note before old Step 2.24 - Combined with new Step 2.23.
  51. Old Step 2.24.1 - Deleted. If a release is not occurring or has not occurred, ☐ None would be selected on Line 6 and the user would be sent from new step 2.22 to new Step 2.24.
  52. Old Step 2.24.2 (new Step 2.23.1) - Revised to indicate the data is imported from RADDOSE.
  53. Old Step 2.24.3 - Deleted. If a release is not occurring or has not occurred, ☐ None would be selected on Line 6 and the user would be sent from new step 2.22 to new Step 2.24.
  54. First Note before old Step 2.25 (New step 2.24) - Deleted. GO TO steps would direct user to this step for termination notification.
  55. Old Step 2.25 (New step 2.24) - Revised to clarify the approval and signature process for a manual ENF and to add use of the "ORIGINAL" stamp. {DocuTracks NGO-2010-0000101}
  56. Note before old Step 2.26 (New Step 2.25) - Deleted as GO TO steps and step logic would direct user to this step for termination notification. Also, WebEOC will not allow a Termination message to be approved without completing Line 17.
  57. Note before old Step 2.27 - Moved to be Note 2 before Step 2.24 as it refers to information on Line 17. Changed "section" to "sections" and "is" to "are" as the sentence subject is plural. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
  58. Old Step 2.27.2 - Revised to split it into two steps (new Steps 2.26.2 and 2.26.3) as these are separate actions.
  59. New Step 2.26.4 - Added for use of the "ORIGINAL" stamp. {DocuTracks NGO-2010-0000101}

Old Enclosure 4.2 (New Enclosure 6.2)

1. Note 1 before Step 1 - Changed "Signal" to "Signaling." Changed "Bell Line" to Commercial Telephone. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
2. Note 2 before Step 1 - Reformatted list of locations for obtaining backup communications information to be a bulleted list.
3. Note 4 before Step 1 - Rewrote to provide NRC interpretation of NRC 15 minute notification requirement (all agencies must be notified within 15 minutes of emergency declaration). {PIP G-12-1571}
4. Note 5 before Step 1 - Deleted as it was redundant to the Note before Step 1.5
5. Step 1.2.1 - Split into two steps and renumbered subsequent steps.
6. Old Steps 1.2.5 and 1.2.6 (new Steps 1.2.6 and 1.2.7) - Reworded to delete parenthetical information by incorporating it into the step.
7. Step 1.3 - Reworded to "Press appropriate group dial code."
8. New Note before step 1.3.1 added to allow use of Page 2 of manual ENF as a job aid for checking off agency names
9. New Step 1.3.1 - Added to have caller record each agency answering by checking off agency name.
10. Old Step 1.3.1 - Renumbered to Step 1.3.2. Revised to delete dialing Selective Signaling group code a second time, instead instructing user to dial individual dial code or get assistance to use backup means to

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- contact agency.
11. Old Step 1.3.1 (New Step 1.3.2) - Changed "Bell Line" to "Commercial Telephone" in Catawba, McGuire, and Oconee tables.
  12. Old Step 1.3.1 (New Step 1.3.2) - Changed phone number in Catawba table for NC EOC to be 919-733-3300 per email from Steve Payne, NC EM. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
  13. Old Step 1.3.1 (New Step 1.3.2) - Added phone numbers for Mecklenburg County EOC (704-432-4120), Cabarrus County EOC (704-436-6519) and changed phone number for NC EOC to be 919-733-3300 in McGuire table. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
  14. Step 1.4.1 - Rewrote step to move all actions to parts A through D
  15. Step 1.4.2 - Rewrote step as conditional step to be used to document notification time on a manual ENF.
  16. Old Step 1.4.3 - Deleted as it was redundant with Steps 1.3.1 and 1.12 {Validation Comment}
  17. Note before Step 1.5 - Added "or if requested by an offsite agency" as a time when authentication may be required.
  18. Step 1.6 - Deleted parenthetical information. Changed "all agencies" to "agencies" to allow proceeding if an agency does not answer initial call attempts.
  19. Step 1.6 broken into a step and two sub-steps, 1.6.1 for initial and follow-up notifications, and 1.6.2 for termination notifications.
  20. New Step 1.6.1 - Added script to provide the following information for initial and follow-up notifications: drill/actual emergency, affected site, classification level, EAL number, and that the message had been faxed (and posted to WebEOC if applicable). {PIP G-12-1571}
  21. New Step 1.6.2 - Added script to provide the information for termination notifications: drill/actual emergency, affected site, termination of which classification level, and that the message had been faxed (and posted to WebEOC if applicable). {December 20, 2012, drill feedback from Validation Team}
  22. New Note before Step 1.9 - Added new Note to provide information on the need to read the message slowly if being transmitted verbally and deleted it from step 1.9.2.
  23. Old Step 1.9.3 - Deleted existing Step as it is redundant to Note before Step 1.5 and Step 1.5.
  24. Old Step 1.9.4 - Deleted step as it is redundant to step 1.5 and old Enclosure 4.3 (new Enclosure 6.3).
  25. Old Step 1.9.5 - Deleted as it is not necessary.
  26. Note before Step 1.12 - Moved before Step 1.11 as it more logically belongs there.
  27. Step 1.12 - Added "AND performing a roll call" after script in box. {Validation Comment}
  28. New Step 1.14 - Added new Step 1.14 to require faxing ENF to GEMA, NWS, Hart County EMA, and Elbert County EMA for Keowee Dam Condition "A" or "B" or external flood. {PIP O-11-00466, DocuTracks NGO-2011-000008}
  29. Old Step 1.14 - Deleted from Enclosure 6.2 and added to Enclosure 6.7, page 2 of 2, as last step. {Verification Comment}

Old Enclosure 4.3 (Enclosure 6.3)

1. Old Note before Step 1 - Broken into three separate notes. {Verification Comment}
2. Old Note before Step 1 (New Note 2) - Added period after "authentic" in line 5. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Last bullet in Note (New Note 3) - Corrected format. {PIP M-12-000029 and DocuTracks NGO-2012-000015}

Old Enclosure 4.4 (New Enclosure 6.4)

1. Added step numbers to conditional steps and added place keeping boxes. {Verification Comment}
2. Renumbered sub-steps from letters to #.#.# format to be consistent with other enclosures.
3. Old Step 1 (New Step 1.1) - Revised wording to clarify to use Group fax to send to all states and counties for a site.
4. Old Step 1.d (New Step 1.1.4) - Updated enclosure and step reference and reworded for clarity.
5. Old Step 2.b (New Step 2.2.2) Catawba and McGuire tables - Changed North Carolina EOC to North Carolina WP/EOC and North Carolina Highway Patrol (WP Backup) to North Carolina Alternate State WP

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{DocuTracks NGO-2012-000018}

6. Step 2.d (New Step 2.1.4) - Updated Enclosure reference and reworded for clarity.
7. Old Step 3.c (New Step 3.1.3) - Corrected first NWS fax number to 9-864-848-5072. Corrected fax number for Elbert County EMA to be 9-706-283-2029. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
8. Note before Old Step 3.c (New Step 3.1.3) - Added information on where telephone numbers can be found for GEMA, NWS, Hart County EMA, and Elbert County EMA. {PIP O-11-00466, DocuTracks NGO-2011-000008}
9. Old Step 3.d (New Step 3.1.4) - Reworded for clarity.

Old Enclosure 4.5 (New Enclosure 6.5)

1. Old Note before first step - Moved to be Note 3 before Step 3.1 of procedure body.
2. New Step 3 - Added a step to arrange for 24-hour Offsite Agency Communicator coverage.
3. Page 2 of 4 Notification Criteria table - Revised table so the right hand edge of table does not go off the page. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
4. Page 2 of 4 Notification Criteria table \*NOTE - Revised to move Oconee specific information to the end.
5. Page 3 of 4 - Moved old last step to be first step on this page to be in more logical order. Informing the EOF Director of progress in preparing to take turnover needs to be before instructions on completing Line 13 of the notification.
6. Page 3 of 4 - Combined old Steps one and two on this page and Note to all become one Note. The action to complete Line 13 of the form is contained in Enclosure 6.1 step 2.19.
7. Page 3 of 4 - Deleted old step 3 as it is redundant to Steps 4 and 5 on Page 1 of this enclosure.
8. Page 3 of 4 - Added new second and third step on this page by relocating old Step 5 on Page 4 of 4 and splitting it into two steps.
9. Page 4 of 4 - Revised second step to remove informational material and place it into a new Note before the step.
10. Page 4 of 4 New Note - clarified that it is Dose Assessment that needs the 15 minute warning and made verb singular. {Validation and Verification Comments}
11. Page 4 of 4 - Revised second step to coordinate with Radiological Assessment Manager to ensure notification time requirements are met. {Verification Comment}
12. Page 4 of 4 - Deleted old third step as it is not needed.
13. Page 4 of 4 - Old Step 7 (new Step 4) revised for clarity.
14. Page 4 of 4 - Deleted old Step 8 as these actions are covered by Enclosure 6.1, Steps 2.25 through 2.27.
15. Page 4 of 4 - Added new responsibility for the Lead Offsite Agency Communicator to act as a backup Telephone Communicator if all agencies are not on selective signaling. {Validation Comment}
16. Page 4 of 4 - Split old Step 9 into two steps.
17. Page 4 of 4 - Revised old Step 10 to make this an action step.

Enclosure 6.6

1. Deleted old Step 4 - This action is covered by Step 3.2 in the body of the procedure.
2. Deleted old Step 5 - This action is addressed in Section 5.2 in the body of the procedure.

Enclosure 6.7

1. Step 1 - Reworded step to have user review information in table.
2. Step 1 - Revised table so the right hand edge of table does not go off the page. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Step 1 - Revised \*NOTE to move Oconee specific information to the end
4. New Step 2 - Added new Step 2 to Transmit messages per Enclosure 6.2.
5. Old Step 2 - Deleted old Step 2 as answering questions outside the ENF information is covered in Enclosure 6.2 Step 1.11.
6. Old Step 3 - Deleted old Step 3 as this responsibility has been assigned to the lead Offsite Agency Communicator.

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7. Old Step 4 - Deleted old Step 4 as this information is contained the table in Step 1.
8. Old Step 5 - Deleted old Step 5 as signing off completed tasks is an expectation of NSD-704 and does not need to be repeated here.
9. Old Step 6 - Deleted old Step 6 as transmitting ENFs by fax is addressed in Enclosure 6.4.
10. Old Step 7 - Took information in parentheses and made it a Note before the step.

**Enclosure 6.8**

1. Page 1 of 2 - Corrected table so it does not go off the page {PIP G-11-1544 and DocuTracks NGO-2012-000008}
2. Line 3 - Changed ie to e.g. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Line 4 - Deleted references to IC as form and WebEOC calls this EAL. {Validation Comment}
4. Line 5 - Indicated potential dam failure PARs for Oconee at SAE or GE. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
5. Line 10 - Abbreviated Emergency Notification Form as ENF and deleted unnecessary words
6. Line 11 - Changed "all units" to "more than one unit." {PIP G-11-1283 and DocuTracks NGO-2012-000010}
7. Lines 14-16 - Added Radiological Information as this is how this section is labeled on the ENF. Deleted "Complete Line 14, 15, and 16 per one of the following methods" this whole Enclosure contains instructions for filling out the form.
8. Lines 14-16 - Changed to indicate the RAM provides Radiological Information for a manual form.
9. Line 17 - Abbreviated Emergency Notification Form as ENF. Deleted reference to Emergency Coordinator as this is the EOF procedure.
10. Last Line - Referred user to Enclosure 6.2 for fax instructions.

**Activity Scope:**

**BLOCK 2**

- ☐ The activity is a change to the emergency plan
- ☒ The activity is not a change to the emergency plan

The following Emergency Plan Sections were reviewed. This procedure revision does not require a change to the emergency plan content as it does not change the Emergency Notification Form format or message authentication technique.

- Catawba Emergency Plan Revision 12-3, Section E
- McGuire Emergency Plan Revision 12-4, Section E
- Oconee Emergency Plan Revision 2012-04, Section E.3

This change will require editorial changes to the following Emergency Plan Sections due to renumbering the procedure. These are being screened on separate forms:

- Catawba Emergency Plan Revision 12-3, Section E.2 and Figure P-2
- McGuire Emergency Plan Figure P-2
- Oconee Emergency Plan Revision 2012-04, Figure P-1

**Change Type:**

**BLOCK 3**

- ☐ The change is editorial or typographical
- ☐ The change is not editorial or typographical

Not Applicable

**Change Type:**

**BLOCK 4**

- ☐ The change does conform to an activity that has prior approval
- ☐ The change does not conform to an activity that has prior approval

Not Applicable

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**Planning Standard Impact Determination:**

**BLOCK 5**

- ☐ §50.47(b)(1) – Assignment of Responsibility (Organization Control)
- ☐ §50.47(b)(2) – Onsite Emergency Organization
- ☐ §50.47(b)(3) – Emergency Response Support and Resources
- ☐ §50.47(b)(4) – Emergency Classification System\*
- ☒ §50.47(b)(5) – Notification Methods and Procedures\*
- ☐ §50.47(b)(6) – Emergency Communications
- ☐ §50.47(b)(7) – Public Education and Information
- ☐ §50.47(b)(8) – Emergency Facility and Equipment
- ☐ §50.47(b)(9) – Accident Assessment\*
- ☐ §50.47(b)(10) – Protective Response\*
- ☐ §50.47(b)(11) – Radiological Exposure Control
- ☐ §50.47(b)(12) – Medical and Public Health Support
- ☐ §50.47(b)(13) – Recovery Planning and Post-accident Operations
- ☐ §50.47(b)(14) – Drills and Exercises
- ☐ §50.47(b)(15) – Emergency Responder Training
- ☐ §50.47(b)(16) – Emergency Plan Maintenance

**\*Risk Significant Planning Standards**

- ☐ The proposed activity does not impact a Planning Standard

This procedure revision impacts the program element of Notification Messages and Procedures, specifically the Local/State Event Notification Function. The following elements of the notification process are NOT changing: Emergency Notification Form (ENF) content, message authentication methodology (use of a code word list), technology used to create the forms (WebEOC, pre-printed forms, manual forms), the technology used to transmit the forms (AT&T enhanced fax, manual fax, selective signaling, commercial telephone), EOF Offsite Agency Communicator staffing levels, EOF Offsite Agency Communicator training requirements.

The various portion of this procedure support the Local/State Event Notification Function as follows:

Procedure Body - Turnover of Offsite Communications responsibilities and EOF Activation

Enclosure 6.1 - ENF Completion

Enclosure 6.2 - ENF Transmission

Enclosure 6.3 - Message Authentication

Enclosure 6.4 - Fax Instructions (supports ENF Transmission)

Enclosure 6.5 - Lead Offsite Agency Communicator Duties (supports overall communication function)

Enclosure 6.6 - ENF Communicator Duties (supports ENF Completion)

Enclosure 6.7 - Telephone Communicator (supports ENF Transmission)

Enclosure 6.8 - ENF Quick Reference (supports ENF Completion)

Enclosure 6.9 - Turnover Checklist (supports Turnover of Offsite Communications responsibilities and EOF Activation)

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<b>Commitment Impact Determination:</b>		<b>BLOCK 6</b>
<input type="checkbox"/> The activity <u>does</u> involve a site specific EP commitment <input checked="" type="checkbox"/> The activity <u>does not</u> involve a site specific EP commitment		
<p>The following Emergency Plan Sections were reviewed. This procedure revision does not a change the Emergency Plans commitments because they do not change the Emergency Notification Form format or message authentication technique.</p> <ul style="list-style-type: none"> <li>• Catawba Emergency Plan Revision 12-3, Section E</li> <li>• McGuire Emergency Plan Revision 12-4, Section E</li> <li>• Oconee Emergency Plan Revision 2012-04, Section E.3</li> </ul>		
<b>Screening Evaluation Results:</b>		<b>BLOCK 7</b>
<input type="checkbox"/> The activity <u>can</u> be implemented without performing a §50.54(q) effectiveness evaluation <input checked="" type="checkbox"/> The activity <u>cannot</u> be implemented without performing a §50.54(q) effectiveness evaluation		
Preparer Name: Ernestine M. Kuhr	Preparer Signature <i>Ernestine M. Kuhr</i>	Date: 03/05/2013
Reviewer Name: <i>Randy Gibson</i>	Reviewer Signature <i>Randy Gibson</i>	Date: 3/5/13

## §50.54(q) Screening Evaluation Form

Catawba

<b>Activity Description and References:</b> SR/0/A/2000/004, Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee <b>Revision 0</b>	<b>BLOCK 1</b>
<p>This procedure is being revised because the current procedure does not meet the guidance in the procedure writer's manual and contains human performance traps. It has been rewritten and has undergone a verification and validation.</p> <p>PIP addressed:</p> <ul style="list-style-type: none"><li>• G-10-0955 - SR procedures do not meet the Procedures Writers' Manual (PWM) as described in NSD 703</li><li>• G-12-0533 - Procedure SR/0/B/2000/004, 'Notification to States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee' contains human performance traps. (INOS-Audit Deficiency)</li><li>• G-12-0537 CA#4 - Recommend this procedure be rewritten and undergo a verification and validation</li></ul> <p>DocuTracks items addressed:</p> <ul style="list-style-type: none"><li>• NGO-2010-000101 - "Original" Stamp</li><li>• NGO-2011-000008 - Steps to fax ENFs to downstream agencies for dam failures</li><li>• NGO-2012-000008 - ENF Quick reference off center and portions cut off</li><li>• NGO-2012-000015 - Editorial changes needed to correct items as a result of annual review</li><li>• NGO-2012-000018 - Changes to Primary and Alternate State Warning Points</li><li>• NGO-2012-000082 - Add note about expectation for correcting errors</li><li>• NGO-2012-000086 - Revise enclosure references in EOF Activation Procedure</li></ul> <p><b>Description of changes</b></p> <p><u>Procedure Title</u></p> <ol style="list-style-type: none"><li>1. Renumbered procedure to be SR/0/A/2000/004 to comply with McGuire UFSAR Section 17.1.3.4</li></ol> <p><u>Body of Procedure</u></p> <ol style="list-style-type: none"><li>2. Replaced entire body of procedure with new body formatted per Procedure Writer's Manual (PWM) Revision 12, Section 2.6 format for SR procedures. {PIPs G-10-0955, G-12-0533, and PWM Rev. 12}. Changed structure and titles and accompanying verbiage:</li></ol> <p>FROM:</p> <ol style="list-style-type: none"><li>1. Symptoms</li><li>2. Immediate Action</li><li>3. Subsequent Action</li><li>4. Enclosures</li></ol> <p>TO:</p> <ol style="list-style-type: none"><li>1. Purpose</li><li>2. Definitions</li><li>3. Procedure</li><li>4. References</li><li>5. Records</li><li>6. Enclosures</li></ol> <p>Wording for the Purpose, Definition, References, and Records were based on the draft notification</p>	

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procedure developed as part of the Standard ERO project, modified based on feedback from EP Staff.

3. Changes made throughout to bring document into compliance with legacy Duke Procedure Writers Manual (PIPs G-10-0955, G-12-0533, M-12-000029, PWM Rev. 12, and DocuTracks NGO-2012-000015) to:
  - Place verbs at the beginning of action steps.
  - Change verbs to those included in NSD-704, Appendix V, wherever possible
  - Delete definite and indefinite articles ("the," "a," "an")
  - Split steps with multiple actions into separate steps
  - Eliminate unnecessary verbiage, corrected grammar, and changed punctuation for clarity
  - Highlight **IF, AND, OR, GO TO**
  - Change bullets to checkboxes if only one selection is appropriate
  - Rewrite Notes that contained actions to make them action steps or deleted the actions
  - Change actions steps that were informational into Notes
  - Deleted unnecessary notes
  - Use appropriate words (**IF, IF AT ANY TIME, WHEN**) and format (action verb after conditional, no **THEN**) for conditional steps
  - Use appropriate format for Notes
  - Ensure notes kept together with the steps which follow.
  - Format references to other enclosures to put enclosure number first
  - Add titles for procedures being referenced
  - Use checkboxes for places where site specific enclosures, procedures, or other information is referenced so user can indicate which site is appropriate
  - Changed to use of checkboxes for placekeeping
4. Update enclosure numbers in this procedure from 4.# to 6.#
5. Update enclosure number references in SR/0/B/2000/003 from 4.# to 6.# (PIP M-12-000029 and DocuTracks NGO-2012-000015)
6. Boldface words that represent WebEOC buttons (e.g. Approval, Validate)

1. Purpose

Replaced 1. Symptoms with new 1. Purpose.

2. Definitions

Added 2. Definitions and provided definitions for the following terms:

- Initial Notification
- Follow-up Notification
- Termination Notification
- WebEOC
- Emergency Notification Form (ENF)
- Other Information
- Selective Signaling System
- Authentication Code.

3. Procedure

3. Replaced 3. Immediate Actions with 3. Procedure.
4. Old Note 1 - Deleted as this described actions for the EOF director that are covered in SR/0/B/2000/003.
5. Old Note 2 - Renumbered to be Note 1.
6. New Note 2 - Added to describe how to address errors discovered after a notification form is transmitted. {PIP M-12-04986 and DocuTracks NGO-12-000082}



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7. Old Note 3 - Moved information from Old Note 3 to refer to EP FAM 3.15 for WebEOC logon instructions to Step 3.5 and deleted Note.
8. New Note 3 - Added new Note that states that the first offsite agency communicator to arrive should begin to perform the procedure regardless of which role they expect to perform.
9. Old Note 4 - Deleted as there are no longer immediate action steps.
10. Existing immediate actions steps 2.1 through 2.8 - Renumbered as Procedure Steps 3.1 through 3.8 with check boxes for place keeping and updated step references.
11. Old step 2.2 (new step 3.2) - Revised to refer to SR/O/B/2000/003, Enclosure 6.10. {DocuTracks NGO-2012-000088 from 8/14/2012 Oconee Drill}
12. Old step 2.4 (new step 3.4) - Revised to capitalize PC {PIP M-12-000029 and DocuTracks NGO-2012-000015}
13. Existing subsequent action steps 3.1 through 3.7 - Revised to be 3.9 through 3.14.
14. Reordered steps to move the steps to update status board and notify lead personnel of when next message due earlier in the procedure.
15. Combined old steps 3.6 and 3.7 for actions taken upon EOF activation into new Step 3.14 with substeps.
16. New steps 3.15 and 3.16 - Added to require use of Enclosures 6.1 and 6.2 to complete and transmit a notification form, respectively.

4. References

1. Added 4. References
2. 4. References - Included references to the station emergency plans

5. Records

1. Added 5. Records
2. Step 5.1 - Added to specify that completed paperwork should be turned into the EOF Emergency Planner.
3. Step 5.2 - Added to ensure EOF Director approves procedure completion.

6. Enclosures

Renumbered existing Enclosures from 4.# to 6.#

Old Enclosure 4.1 (New Enclosure 6.1)

1. Step 1. Reworded step to have user review information in table.
2. Step 1 Table - Reformatted table so the right hand edge of table does not go off the page. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Step 1 Table \*NOTE - Revised to move Oconee specific information to the end.
4. Step 2 - Reformatted and reworded as high level step rather than section header.
5. Step 2.1 - Updated EP FAM 3.15 enclosure reference. Revised step to remove existing condition. Even if WebEOC was already started, a new ENF must be accessed. Made step conditional for use of WebEOC and removed OR following step. Added instruction to GO TO Step 2.4.
6. Step 2.2 - Made step conditional for use of pre-printed ENF and removed OR following step. Added instruction to GO TO Step 2.4.
7. Step 2.3 - Made step conditional for use of blank ENF.
8. Second Note before Step 2.4 - Deleted as unnecessary
9. Step 2.5 - Deleted definitions for Initial and Follow-up as these are now defined in Section 2 of the body of the procedure.
10. Note before Step 2.6 - Deleted as unnecessary.
11. Old Step 2.7 - made sub-step 2.6.3 and renumbered subsequent steps
12. Note before old Step 2.8 (new Step 2.7) - Combined with Step 2.7.
13. Old Step 2.8.2 (New Step 2.7.2) - Changed I/C to Emergency Action Level (EAL) {Validation Comment}
14. Old Step 2.8.3 (New Step 2.7.3) - Changed I/C to EAL {Validation Comment}
15. Added Note before new Step 2.8 to state that a current dose run may not be available and is not required for

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- initial notifications. {Validation Comment}
16. Old Step 2.9 (new Step 2.8)- Revised to confer with Radiological Assessment Manager (RAM) to determine whether a current dose-run is to be imported rather than if one is available. {Validation Comment}
  17. Old Step 2.9 (new Step 2.8)- Wrote new conditional sub-steps for actions depending on whether or not a Raddose run is to be imported. {Validation Comment}
  18. Old Step 2.9.3 (new Step 2.8.2) - Changed "form" to "ENF" {Verification Comment}
  19. Old Step 2.9.3 (new Step 2.8.3) - Changed "(designated fields should appear marked on the form.) (Lines 5, 6, 7, 9, 14, 15, 16)" to "Verify imported information is correct on Lines 5, 6, 7, 9, 14, 15, and 16." {Validation Comment}
  20. First Note before old Step 2.10 (new step 2.9) - Reworded to be definition of Condition A as the PARs for Condition A are provided in new Step 2.9.6.
  21. Second Note before old Step 2.10 (new step 2.9) - Combined with Step 2.9
  22. Old Step 2.10.5 (new Step 2.9.5)- Revised verb to "Record" and deleted reference to SR/0/B/2000/003 Enclosures as the RAM determines the PARs
  23. Old Step 2.10.6 (new Step 2.9.6) - Reworded "has been determined for a" to "exists" and deleted "perform the following" for clarity.
  24. Old Step 2.10.6 (new Step 2.9.6) Sub-steps A and B - changed "Check...and record" to "Verify, select or record" {Validation Comment. Different verbs depend on what form of ENF is being used: pre-printed, WebEOC, or manual}
  25. Note 2 before old Step 2.11 - Deleted by combining information into new Steps 2.10 and 2.11.
  26. Old Step 2.11 (new Step 2.10) - Reworded to "Complete Line 6." {Validation Comment} and added (Data provided by RAM).
  27. First Note before old Step 2.12.2 - Deleted as it is redundant to old Step 2.12 and deleted number from other note.
  28. Second Note before Old Step 2.12.2 (Note before new Step 2.11.2) - Added parentheses for wording after ☐ to be consistent with the usage for ☐.
  29. Old Step 2.12 (new step 2.11)- Reworded to "Complete Line 7" {Validation Comment} and added (Data provided by RAM).
  30. Note before old Step 2.13 - Combined with new Step 2.12.
  31. Old Step 2.13 (new Step 2.12)- Un-bolded words and made mixed case. {Validation Comment}
  32. Note 2 before old Step 2.14 (new Step 2.13)- Reworded to include parenthetical information into Note.
  33. Note 3 before old Step 2.14 (new Step 2.13) - Combined with Step 2.13.
  34. Old Step 2.14.1 (new Step 2.13.1)- Rewritten to "IF Raddose information was imported into WebEOC ENF, verify data is correct." {Validation Comment}
  35. First Note before old Step 2.15 (new Step 2.14) - Deleted as necessary information is contained in new Step 2.14.2.A.
  36. Second Note before old Step 2.15 (new Step 2.14) - Combined with new Step 2.14
  37. Old Step 2.15 (new Step 2.14) - Reworded to "Complete Line 10 (Data provided by Accident assessment Manager)"
  38. First Note before old Step 2.17 (new Step 2.16) - Reworded to say, "The following list provides examples of events that could affect more than one unit. {PIP M-12-000029, DocuTracks NGO-2012-000015, and Validation Comments}
  39. Second Note before old Step 2.17 - Combined with new Step 2.16.
  40. Old Step 2.17 (new Step 2.16)- Reworded to "Complete Line 11 (Data provided by Accident Assessment Manager)"
  41. Old Step 2.17.1 - Deleted Step. Moved PIP references and lists of events that potentially affect both units from Step 2.17.1 into Note box before new Step 2.16 and renumbered sub steps.
  42. Old Sub-steps 2.17.2 and 2.17.3 (Renumbered 2.16.1 and 2.16.2 - Changed "all units" to "more than one unit" and added PIP G-11-1283 as a reference. {PIP G-11-1283 and DocuTracks NGO-2012-000010}
  43. First Note before old Step 2.18 (new Step 2.17) - Deleted as information incorporated into new Step 2.17

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- and renumbered Note 2 to be Note 1.
44. Note 3 before old Step 2.18 (Note 2 before new Step 2.17) - Reworded to, "In WebEOC ENF, Get Time/Date button will load current time and date in specified line field in appropriate format. Edit as needed." {Validation Comment}
  45. Old Step 2.18 (New Step 2.17) - Rewritten to "Complete Line 12. (Data provided by Accident Assessment Manager)
  46. Old steps 2.18.1, and 2.18.2 - Renumbered as new Steps 2.17.1 and 2.17.2.
  47. Note before Old Step 2.19 (new Step 2.18) - Rewritten to update enclosure number, add enclosure title and page reference.
  48. New Note added before new Step 2.21 - "Information for Lines 14, 15, and 16 may not be available and is not required for follow-up notifications due Protective Action Recommendation change." {Validation Comment}
  49. New Step 2.21 - Revised step logic to allow going to Step 2.23 if dose information is available on a PAR change. {Validation Comment}
  50. Note before old Step 2.24 - Combined with new Step 2.23.
  51. Old Step 2.24.1 - Deleted. If a release is not occurring or has not occurred, ☐ None would be selected on Line 6 and the user would be sent from new step 2.22 to new Step 2.24.
  52. Old Step 2.24.2 (new Step 2.23.1) - Revised to indicate the data is imported from RADDOSE.
  53. Old Step 2.24.3 - Deleted. If a release is not occurring or has not occurred, ☐ None would be selected on Line 6 and the user would be sent from new step 2.22 to new Step 2.24.
  54. First Note before old Step 2.25 (New step 2.24) - Deleted. GO TO steps would direct user to this step for termination notification.
  55. Old Step 2.25 (New step 2.24) - Revised to clarify the approval and signature process for a manual ENF and to add use of the "ORIGINAL" stamp. {DocuTracks NGO-2010-0000101}
  56. Note before old Step 2.26 (New Step 2.25) - Deleted as GO TO steps and step logic would direct user to this step for termination notification. Also, WebEOC will not allow a Termination message to be approved without completing Line 17.
  57. Note before old Step 2.27 - Moved to be Note 2 before Step 2.24 as it refers to information on Line 17. Changed "section" to "sections" and "is" to "are" as the sentence subject is plural. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
  58. Old Step 2.27.2 - Revised to split it into two steps (new Steps 2.26.2 and 2.26.3) as these are separate actions.
  59. New Step 2.26.4 - Added for use of the "ORIGINAL" stamp. {DocuTracks NGO-2010-0000101}

Old Enclosure 4.2 (New Enclosure 6.2)

1. Note 1 before Step 1 - Changed "Signal" to "Signaling." Changed "Bell Line" to Commercial Telephone. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
2. Note 2 before Step 1 - Reformatted list of locations for obtaining backup communications information to be a bulleted list.
3. Note 4 before Step 1 - Rewrote to provide NRC interpretation of NRC 15 minute notification requirement (all agencies must be notified within 15 minutes of emergency declaration). {PIP G-12-1571}
4. Note 5 before Step 1 - Deleted as it was redundant to the Note before Step 1.5
5. Step 1.2.1 - Split into two steps and renumbered subsequent steps.
6. Old Steps 1.2.5 and 1.2.6 (new Steps 1.2.6 and 1.2.7) - Reworded to delete parenthetical information by incorporating it into the step.
7. Step 1.3 - Reworded to "Press appropriate group dial code."
8. New Note before step 1.3.1 added to allow use of Page 2 of manual ENF as a job aid for checking off agency names
9. New Step 1.3.1 - Added to have caller record each agency answering by checking off agency name.
10. Old Step 1.3.1 - Renumbered to Step 1.3.2. Revised to delete dialing Selective Signaling group code a second-time, instead instructing user to dial individual dial code or get assistance to use backup means to

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- contact agency.
11. Old Step 1.3.1 (New Step 1.3.2) - Changed "Bell Line" to "Commercial Telephone" in Catawba, McGuire, and Oconee tables.
  12. Old Step 1.3.1 (New Step 1.3.2) - Changed phone number in Catawba table for NC EOC to be 919-733-3300 per email from Steve Payne, NC EM. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
  13. Old Step 1.3.1 (New Step 1.3.2) - Added phone numbers for Mecklenburg County EOC (704-432-4120), Cabarrus County EOC (704-436-6519) and changed phone number for NC EOC to be 919-733-3300 in McGuire table. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
  14. Step 1.4.1 - Rewrote step to move all actions to parts A through D
  15. Step 1.4.2 - Rewrote step as conditional step to be used to document notification time on a manual ENF.
  16. Old Step 1.4.3 - Deleted as it was redundant with Steps 1.3.1 and 1.12 {Validation Comment}
  17. Note before Step 1.5 - Added "or if requested by an offsite agency" as a time when authentication may be required.
  18. Step 1.6 - Deleted parenthetical information. Changed "all agencies" to "agencies" to allow proceeding if an agency does not answer initial call attempts.
  19. Step 1.6 broken into a step and two sub-steps, 1.6.1 for initial and follow-up notifications, and 1.6.2 for termination notifications.
  20. New Step 1.6.1 - Added script to provide the following information for initial and follow-up notifications: drill/actual emergency, affected site, classification level, EAL number, and that the message had been faxed (and posted to WebEOC if applicable). {PIP G-12-1571}
  21. New Step 1.6.2 - Added script to provide the information for termination notifications: drill/actual emergency, affected site, termination of which classification level, and that the message had been faxed (and posted to WebEOC if applicable). {December 20, 2012, drill feedback from Validation Team}
  22. New Note before Step 1.9 - Added new Note to provide information on the need to read the message slowly if being transmitted verbally and deleted it from step 1.9.2.
  23. Old Step 1.9.3 - Deleted existing Step as it is redundant to Note before Step 1.5 and Step 1.5.
  24. Old Step 1.9.4 - Deleted step as it is redundant to step 1.5 and old Enclosure 4.3 (new Enclosure 6.3).
  25. Old Step 1.9.5 - Deleted as it is not necessary.
  26. Note before Step 1.12 - Moved before Step 1.11 as it more logically belongs there.
  27. Step 1.12 - Added "**AND** performing a roll call" after script in box. {Validation Comment}
  28. New Step 1.14 - Added new Step 1.14 to require faxing ENF to GEMA, NWS, Hart County EMA, and Elbert County EMA for Keowee Dam Condition "A" or "B" or external flood. {PIP O-11-00466, DocuTracks NGO-2011-000008}
  29. Old Step 1.14 - Deleted from Enclosure 6.2 and added to Enclosure 6.7, page 2 of 2, as last step. {Verification Comment}

Old Enclosure 4.3 (Enclosure 6.3)

1. Old Note before Step 1 - Broken into three separate notes. {Verification Comment}
2. Old Note before Step 1 (New Note 2) - Added period after "authentic" in line 5. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Last bullet in Note (New Note 3) - Corrected format. {PIP M-12-000029 and DocuTracks NGO-2012-000015}

Old Enclosure 4.4 (New Enclosure 6.4)

1. Added step numbers to conditional steps and added place keeping boxes. {Verification Comment}
2. Renumbered sub-steps from letters to #.#.# format to be consistent with other enclosures.
3. Old Step 1 (New Step 1.1) - Revised wording to clarify to use Group fax to send to all states and counties for a site.
4. Old Step 1.d (New Step 1.1.4) - Updated enclosure and step reference and reworded for clarity.
5. Old Step 2.b (New Step 2.1.2) Catawba and McGuire tables - Changed North Carolina EOC to North Carolina WP/EOC and North Carolina Highway Patrol (WP Backup) to North Carolina Alternate State WP

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{DocuTracks NGO-2012-000018}

6. Step 2.d (New Step 2.1.4) - Updated Enclosure reference and reworded for clarity.
7. Old Step 3.c (New Step 3.1.3) - Corrected first NWS fax number to 9-864-848-5072. Corrected fax number for Elbert County EMA to be 9-706-283-2029. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
8. Note before Old Step 3.c (New Step 3.1.3) - Added information on where telephone numbers can be found for GEMA, NWS, Hart County EMA, and Elbert County EMA. {PIP O-11-00466, DocuTracks NGO-2011-000008}
9. Old Step 3.d (New Step 3.1.4) - Reworded for clarity.

Old Enclosure 4.5 (New Enclosure 6.5)

1. Old Note before first step - Moved to be Note 3 before Step 3.1 of procedure body.
2. New Step 3 - Added a step to arrange for 24-hour Offsite Agency Communicator coverage.
3. Page 2 of 4 Notification Criteria table - Revised table so the right hand edge of table does not go off the page. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
4. Page 2 of 4 Notification Criteria table \*NOTE - Revised to move Oconee specific information to the end.
5. Page 3 of 4 - Moved old last step to be first step on this page to be in more logical order. Informing the EOF Director of progress in preparing to take turnover needs to be before instructions on completing Line 13 of the notification.
6. Page 3 of 4 - Combined old Steps one and two on this page and Note to all become one Note. The action to complete Line 13 of the form is contained in Enclosure 6.1 step 2.19.
7. Page 3 of 4 - Deleted old step 3 as it is redundant to Steps 4 and 5 on Page 1 of this enclosure.
8. Page 3 of 4 - Added new second and third step on this page by relocating old Step 5 on Page 4 of 4 and splitting it into two steps.
9. Page 4 of 4 - Revised second step to remove informational material and place it into a new Note before the step.
10. Page 4 of 4 New Note - clarified that it is Dose Assessment that needs the 15 minute warning and made verb singular. {Validation and Verification Comments}
11. Page 4 of 4 - Revised second step to coordinate with Radiological Assessment Manager to ensure notification time requirements are met. {Verification Comment}
12. Page 4 of 4 - Deleted old third step as it is not needed.
13. Page 4 of 4 - Old Step 7 (new Step 4) revised for clarity.
14. Page 4 of 4 - Deleted old Step 8 as these actions are covered by Enclosure 6.1, Steps 2.25 through 2.27.
15. Page 4 of 4 - Added new responsibility for the Lead Offsite Agency Communicator to act as a backup Telephone Communicator if all agencies are not on selective signaling. {Validation Comment}
16. Page 4 of 4 - Split old Step 9 into two steps (new Steps 6 and 7).
17. Page 4 of 4 - Revised old Step 10 (new Step 8) to make this an action step.

Enclosure 6.6

1. Deleted old Step 4 - This action is covered by Step 3.2 in the body of the procedure.
2. Deleted old Step 5 - This action is addressed in Section 5.2 in the body of the procedure.

Enclosure 6.7

1. Step 1 - Reworded step to have user review information in table.
2. Step 1 - Revised table so the right hand edge of table does not go off the page. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Step 1 - Revised \*NOTE to move Oconee specific information to the end
4. New Step 2 - Added new Step 2 to Transmit messages per Enclosure 6.2.
5. Old Step 2 - Deleted old Step 2 as answering questions outside the ENF information is covered in Enclosure 6.2 Step 1.11.
6. Old Step 3 - Deleted old Step 3 as this responsibility has been assigned to the lead Offsite Agency Communicator.

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7. Old Step 4 - Deleted old Step 4 as this information is contained the table in Step 1.
8. Old Step 5 - Deleted old Step 5 as signing off completed tasks is an expectation of NSD-704 and does not need to be repeated here.
9. Old Step 6 - Deleted old Step 6 as transmitting ENFs by fax is addressed in Enclosure 6.4.
10. Old Step 7 - Took information in parentheses and made it a Note before the step.

Enclosure 6.8

1. Page 1 of 2 - Corrected table so it does not go off the page {PIP G-11-1544 and DocuTracks NGO-2012-000008}
2. Line 3 - Changed ie to e.g. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
3. Line 4 - Deleted references to IC as form and WebEOC calls this EAL. {Validation Comment}
4. Line 5 - Indicated potential dam failure PARs for Oconee at SAE or GE. {PIP M-12-000029 and DocuTracks NGO-2012-000015}
5. Line 10 - Abbreviated Emergency Notification Form as ENF and deleted unnecessary words
6. Line 11 - Changed "all units" to "more than one unit." {PIP G-11-1283 and DocuTracks NGO-2012-000010}
7. Lines 14-16 - Added Radiological Information as this is how this section is labeled on the ENF. Deleted "Complete Line 14, 15, and 16 per one of the following methods" this whole Enclosure contains instructions for filling out the form.
8. Lines 14-16 - Changed to indicate the RAM provides Radiological Information for a manual form.
9. Line 17 - Abbreviated Emergency Notification Form as ENF. Deleted reference to Emergency Coordinator as this is the EOF procedure.
10. Last Line - Referred user to Enclosure 6.2 for fax instructions.

**Activity Scope:**

**BLOCK2**

☐ The activity is a change to the emergency plan

☒ The activity is not a change to the emergency plan

The following Emergency Plan Sections were reviewed. This procedure revision does not require a change to the emergency plan content as it does not change the Emergency Notification Form format or message authentication technique.

- Catawba Emergency Plan Revision 12-3, Section E
- McGuire Emergency Plan Revision 12-4, Section E
- Oconee Emergency Plan Revision 2012-04, Section E.3

This change will require editorial changes to the following Emergency Plan Sections due to renumbering the procedure. These are being screened on separate forms:

- Catawba Emergency Plan Revision 12-3, Section E.2 and Figure P-2
- McGuire Emergency Plan Figure P-2
- Oconee Emergency Plan Revision 2012-04, Figure P-1

**Change Type:**

**BLOCK3**

☐ The change is editorial or typographical

☐ The change is not editorial or typographical

Not Applicable

**Change Type:**

**BLOCK4**

☐ The change does conform to an activity that has prior approval

☐ The change does not conform to an activity that has prior approval

Not Applicable

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**Planning Standard Impact Determination:**

**BLOCKS**

- ☐ §50.47(b)(1) – Assignment of Responsibility (Organization Control)
- ☐ §50.47(b)(2) – Onsite Emergency Organization
- ☐ §50.47(b)(3) – Emergency Response Support and Resources
- ☐ §50.47(b)(4) – Emergency Classification System\*
- ☒ §50.47(b)(5) – Notification Methods and Procedures\*
- ☐ §50.47(b)(6) – Emergency Communications
- ☐ §50.47(b)(7) – Public Education and Information
- ☐ §50.47(b)(8) – Emergency Facility and Equipment
- ☐ §50.47(b)(9) – Accident Assessment\*
- ☐ §50.47(b)(10) – Protective Response\*
- ☐ §50.47(b)(11) – Radiological Exposure Control
- ☐ §50.47(b)(12) – Medical and Public Health Support
- ☐ §50.47(b)(13) – Recovery Planning and Post-accident Operations
- ☐ §50.47(b)(14) – Drills and Exercises
- ☐ §50.47(b)(15) – Emergency Responder Training
- ☐ §50.47(b)(16) – Emergency Plan Maintenance

**\*Risk Significant Planning Standards**

- ☐ The proposed activity does not impact a Planning Standard

This procedure revision impacts the program element of Notification Messages and Procedures, specifically the Local/State Event Notification Function. The following elements of the notification process are NOT changing: Emergency Notification Form (ENF) content, message authentication methodology (use of a code word list), technology used to create the forms (WebEOC, pre-printed forms, manual forms), the technology used to transmit the forms (AT&T enhanced fax, manual fax, selective signaling, commercial telephone), EOF Offsite Agency Communicator staffing levels, EOF Offsite Agency Communicator training requirements.

The various portion of this procedure support the Local/State Event Notification Function as follows:

Procedure Body - Turnover of Offsite Communications responsibilities and EOF Activation

Enclosure 6.1 - ENF Completion

Enclosure 6.2 - ENF Transmission

Enclosure 6.3 - Message Authentication

Enclosure 6.4 - Fax Instructions (supports ENF Transmission)

Enclosure 6.5 - Lead Offsite Agency Communicator Duties (supports overall communication function)

Enclosure 6.6 - ENF Communicator Duties (supports ENF Completion)

Enclosure 6.7 - Telephone Communicator (supports ENF Transmission)

Enclosure 6.8 - ENF Quick Reference (supports ENF Completion)

Enclosure 6.9 - Turnover Checklist (supports Turnover of Offsite Communications responsibilities and EOF Activation)

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<b>Commitment Impact Determination:</b>		<b>BLOCK 6</b>
<input type="checkbox"/> The activity <u>does</u> involve a site specific EP commitment <input checked="" type="checkbox"/> The activity <u>does not</u> involve a site specific EP commitment		
<p>The following Emergency Plan Sections were reviewed. This procedure revision does not a change the Emergency Plans commitments because they do not change the Emergency Notification Form format or message authentication technique.</p> <ul style="list-style-type: none"> <li>• Catawba Emergency Plan Revision 12-3, Section E</li> <li>• McGuire Emergency Plan Revision 12-4, Section E</li> <li>• Oconee Emergency Plan Revision 2012-04, Section E.3</li> </ul>		
<b>Screening Evaluation Results:</b>		<b>BLOCK 7</b>
<input type="checkbox"/> The activity <u>can</u> be implemented without performing a §50.54(q) effectiveness evaluation <input checked="" type="checkbox"/> The activity <u>cannot</u> be implemented without performing a §50.54(q) effectiveness evaluation		
Preparer Name: Ernestine M. Kuhr	Preparer Signature <i>Ernestine M. Kuhr</i>	Date: 03/05/2013
Reviewer Name: <i>GARY L MITCHELL</i>	Reviewer Signature <i>GARY L MITCHELL</i>	Date: 3-7-13