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ONS-2014-160

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January 5, 2015

10 CFR 50.54(q)

Attn: Document Control Desk
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, Maryland 20852-2746

Subject: Duke Energy Carolinas, LLC
Oconee Nuclear Station, Units 1, 2, and 3
Docket Nos. 50-269, -270, and -287
Emergency Plan Implementing Procedure Revision 2014-027

Please find attached for your use and review copies of the enclosed revision along with the associated supporting documentation and 10 CFR 50.54(q) evaluation. This procedure is an Emergency Plan Implementing Procedure.

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 Preparedness Manager, at 864-873-3124.

By copy of this letter, a copy of this revision is being provided to the NRC, Region II, Atlanta, Georgia.

Sincerely,

Scott L. Batson
Vice President
Oconee Nuclear Station

Attachments:
Emergency Plan Implementing Procedure Revision
10 CFR 50.54(q) Evaluation(s)

AX45
NRR

ONS-2014-160

U. S. Nuclear Regulatory Commission

January 5, 2015

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. James R. Hall, Project Manager
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w/o attachments

Mr. Eddy Crowe
NRC Senior Resident Inspector
Oconee Nuclear Station

ELL
EC2ZF

December 4, 2014

OCONEE NUCLEAR STATION

SUBJECT: Emergency Plan Implementing Procedures
Volume C Revision 2014-027

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

REMOVE

Cover Sheet Rev. 2014-026

Table of Contents
Pages 1, 2, & 3

RP/0/A/1000/002 Rev 006

INSERT

Cover Sheet Rev. 2014-027

Table of Contents
Pages 1, 2, & 3

RP/0/A/1000/002 Rev 007

A handwritten signature in black ink, appearing to read 'Pat Street', with a large circular flourish on the left and a long horizontal stroke extending to the right.

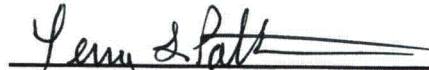
Pat Street
ONS Emergency Planning Manager



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



APPROVED:



Terry L. Patterson
Director Nuclear Org Effectiveness

12/16/14
Date Approved

VOLUME C
REVISION 2014-027
December 2014

VOLUME C

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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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Duke Energy
Oconee Nuclear Station
Control Room Emergency Coordinator Procedure

Procedure No.

RP/0/A/1000/002

Revision No.

007

Electronic Reference No.

OP009A64

PERFORMANCE

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: *12/02/2014*

Enclosure No.: *FULL*



Revision No.: *007*



Procedure No.: *RP/0/A/1000/002*



Control Room Emergency Coordinator Procedure

NOTE: This procedure is an implementing procedure to the Oconee Nuclear Site Emergency Plan and must be:

1. Reviewed in accordance with 10CFR50.54(q) prior to approval.
2. Forwarded to Emergency Preparedness within seven (7) working days of approval.

1. Symptoms

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

2. Immediate Actions

NOTE:

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

- For an outside line dial "9" and for long distance dial "1".

____ 2.1 **IF** an EAL exists, Declare the appropriate Emergency Classification level.

Classification _____ (UE, Alert, SAE, GE)

Time Declared: _____

____ 2.2 **IF** A Security event is in progress,

THEN GO TO Step 2.4.

- NOTE:**
- For an unusual event classification, or for events with **NO** EAL classifications, activation of ERO personnel is at the discretion of the SM.
 - Qualified Individual can be any person qualified to use ERONS.
 - If a "bridges" or "alternate TSC/OSC" page needs to be sent out, it will be done during the follow-up page.

_____ 2.3 **IF** ERO has **NOT** yet been activated **AND** ERO activation is needed, perform the following:

2.3.1 Circle the applicable initial notification code below.

EAL classification	Notification Codes (see Enclosure 4.11 for descriptions)	
	<u>DRILL</u>	<u>EMERGENCY</u>
<u>None</u>		F1a
<u>NOUE</u>	D1a	E1a
<u>Alert</u>	D2a	E2a
<u>SAE</u>	D3a	E3a
<u>GE</u>	D4a	E4a

2.3.2 **IF** a qualified individual is available to notify the ERO, provide the circled notification code above to a qualified individual and direct them to begin Enclosure 4.10 (Activation of the Emergency Response Organization).

_____ 2.4 Direct Control Room Offsite Communicator(s) to perform the following:

- Record Name _____
- **REFER TO** RP/0/A/1000/015A (Offsite Communications From The Control Room), 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}

_____ 2.5 **IAAT** Changing plant conditions require an emergency classification upgrade,

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

AND Start a new clean copy of this procedure for the upgraded classification **AND** stop working on this copy, noting the time in your log that each new copy started.

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.

- _____ 2.6 Obtain the applicable Offsite Notification form in the control room and complete as follows:
- _____ 2.6.1 Ensure EAL # as determined by RP/0/A/1000/001 matches Line 4.
- _____ 2.6.2 Line 1 - Mark appropriate box "Drill" or "Actual Event"
- _____ 2.6.3 Line 1 - Enter Message #
- _____ 2.6.4 Line 2 - Mark Initial
- _____ 2.6.5 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.
- _____ 2.6.6 Line 7 - If Line 6 Box B or C is marked, mark Box D. Otherwise mark Box A.
- _____ 2.6.7 Line 8 - Mark "Stable" unless an upgrade or additional PARs are anticipated within an hour.
- Refer to Enclosure 4.8 (Event Prognosis Definitions)
- _____ 2.6.8 Line 10 - Military time and date of declaration (Refer to date/time in Step 2.1)

- 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 SM.

_____ 2.6.9 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.

_____ 2.6.10 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

_____ 2.6.11 Line 13 - If the SM has no remarks, write "None"

_____ 2.6.12 If Condition "A" exists ensure following PARs 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.

_____ 2.6.13 Line 17 - SM signature, CURRENT Time/Date

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 communication 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.
- 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.

_____ 2.7 Provide Offsite Communicator with Emergency Notification Form and direct him/her to perform RP/0/A/1000/015A (Offsite Communications From The Control Room). Verify Notifications to State and Counties are completed within 15 minutes.

_____ 2.8 Ensure step 2.3.2 has been completed.

_____ 2.9 Make PA announcement regarding classification (see Enclosure 4.1).

_____ 2.10 **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 or applies,

THEN **REFER TO** Enclosure 4.2 (Condition A/ Condition B Response Actions) for additional protective actions.

AND After the State (SC) and Counties (Oconee and Pickens) have been notified, **ENSURE** that notification is made to the following:

- ☐ Georgia Emergency Management Agency 404-635-7000 or 7200
- ☐ National Weather Service 864-879-1085 or 800-268-7785

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

_____ 2.11 **IF** This is an Unusual Event,

AND The SM/Emergency Coordinator does **NOT** desire that any part of the ERO be activated,

THEN GO TO Step 2.15.

NOTE: Activate the TSC and/or OSC Backup Emergency Response Facility (ERF) 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}

_____ 2.12 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 2.3. {13}
- ERONS Notification Codes are grouped by EAL. ERONS Emergency Notifications begin on page 1 of Enclosure 4.11. ERONS Drill Notifications begin on page 3 of Enclosure 4.11.
- Activation of the ERO during Condition B is done 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.
- Qualified Individual can be any person qualified to use ERONS.

_____ 2.13 Direct activation of the Emergency Response Organization (ERO) by performing the following:

2.13.1 Determine the appropriate ERONS notification code from Enclosure 4.11 (ERONS Notification Codes and Titles).

2.13.2 Provide the notification code identified above to a qualified individual and direct them to perform Enclosure 4.10 (Activation of the Emergency Response Organization). {8}

_____ 2.14 Implement Enclosure 4.4 (SM Emergency Coordinator Turnover Sheet).

NOTE: Enclosure 4.6 (Radiation Monitoring) may be used to help determine if RIA values, Dose Projections, or Field Monitoring surveys require a classification Upgrade and Protective Action Recommendation.

- _____ 2.15 **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.
- _____ 2.16 Perform one of the following:
- _____ 2.16.1 Direct a qualified individual to perform Enclosure 4.3 (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
- _____ 2.16.2 Perform Enclosure 4.3 (Emergency Coordinator Parallel Actions).
- _____ 2.17 **IAAT** A Site Assembly needs to be initiated,
- THEN** Initiate Site Assembly per RP/0/A/1000/009 (Procedure for Site Assembly).

3. Subsequent Actions

- _____ 3.1 **IAAT** An Unusual Event classification is being terminated,
- THEN** **REFER TO** Enclosure 4.5 (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 Preparedness 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 (Alternate Facility) 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 SM 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 4.4 (SM Emergency Coordinator Turnover Sheet).

Time TSC Activated: _____

- A. Turn over all emergency response procedures in use to the TSC.
- B. Direct all available Auxiliary Operators (AOs) to report to the OSC to support damage repair efforts.

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 4.4 (SM Emergency Coordinator 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 4.4 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 Plant Public Address Announcements
- 4.2 Condition A/ Condition B Response Actions
- 4.3 Emergency Coordinator Parallel Actions
- 4.4 SM Emergency Coordinator Turnover Sheet
- 4.5 Emergency Classification Termination Criteria
- 4.6 Radiation Monitoring
- 4.7 Summary of IAAT Steps
- 4.8 Event Prognosis Definitions
- 4.9 References
- 4.10 Activation of the Emergency Response Organization
- 4.11 ERONS Notification Codes and Titles

Enclosure 4.1
Plant Public Address Announcements

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

1. 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.

- As of _____ (time declared), a(n) _____ (emergency classification) has been declared for Unit(s) _____ (affected unit(s)).
- Plant condition for Unit(s) _____ (affected unit(s)) 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.
- **IF** TSC/OSC activation is necessary AND TSC/OSC has not yet been activated
THEN Announce one of the following, as applicable:
Activate the TSC/OSC
Activate the Backup TSC/OSC

_____ Emergency Message:

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

This is an emergency message.

- As of _____ (time declared), a(n) _____ (emergency classification) has been declared for Unit(s) _____ (affected unit(s)).
- Plant condition for Unit(s) _____ (affected unit(s)) 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.
- **IF** TSC/OSC activation is necessary AND TSC/OSC has not yet been activated
THEN Announce one of the following, as applicable:
Activate the TSC/OSC
Activate the Backup TSC/OSC

1. Condition A Response - Immediate Actions

NOTE: The Hydro Group will notify the Control Room/SM 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 following after the State and Counties are notified:

- ☐ Georgia Emergency Management agency 404-635-7000 or 7200
- ☐ National Weather Service 864-879-1085 or 800-268-7785

2. Condition A Response - Subsequent Actions

_____ 2.1 Notify Hydro Central and provide information related to the event.

_____ 2.1.1 **REFER TO** Page 5 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification. {2}

Condition A/ Condition B Response Actions

_____ 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 704-382-6836 or 6838 or 6839.

_____ A. **REFER TO** Page 5 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 13).

_____ 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.

Condition A/ Condition B Response Actions

- _____ 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 ISFSI 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 4.3 (Emergency Coordinator Parallel Actions) Step 1.11.

3. Condition B Response - Immediate Actions

- _____ 3.1 **IF** Condition B at Keowee exists,
- THEN** Notify the following after the State and Counties are notified:
- ☐ Hydro Central 704-382-6836
 - ☐ Georgia Emergency Management Agency 404-635-7000 or 7200
 - ☐ National Weather Service 864-879-1085 or 800-268-7785
- _____ 3.2 **GO TO** Enclosure 4.3 (Emergency Coordinator Parallel Actions) Step 1.11.

1. Emergency Coordinator Parallel Actions

- _____ 1.1 **IAAT** Changing plant conditions require an emergency classification upgrade,

 THEN Re-start with a clean copy of this enclosure and stop the current copy of the 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 Direct an SRO to make notifications to the NRC.

CR NRC Communicator (SRO) Name _____

- _____ 1.3 Direct the CR NRC Communicator to complete the OMP 1-14 NRC Event Notification Worksheet and Plant Status Sheet.

NOTE: The NRC Communicator is responsible for activating ERDS.

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

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

NOTE: Notifications per AD-LS-ALL-0006 (Notification/Reportability Evaluation) for 10CFR50.72 require **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 4.3
Emergency Coordinator Parallel Actions

RP/0/A/1000/002
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WARNING: Conducting Site Assembly during a Security Event may **NOT** be prudent.

- _____ 1.7 **IAAT** The SM directs that a Site Assembly be initiated,
 THEN Initiate Site Assembly per RP/0/A/1000/009 (Procedure For Site Assembly).
- _____ 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/A/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 4.2 (Condition A/ Condition B Response Actions) for additional PAR and/or response actions.
- _____ 1.11 **IAAT** Major damage has occurred or is occurring,
 THEN Initiate RP/0/A/1000/022 (Procedure for Major Site Damage Assessment and Repair) and/or RP/0/A/1000/029 (Fire Brigade Response - OSC).
- _____ 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}
- _____ 1.13 **IAAT** A hazardous substance has been released,
 THEN Initiate RP/0/A/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/A/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.

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

____ 1.15 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. (Anyone more senior than the SRO may approve.)
 - Implementation of Oconee Severe Accident Guidelines (OSAG) requires the use of 10CFR50.54 (x) and (y) provisions.

_____ 1.16 **IAAT** Plant conditions require a decision to implement 10CFR50.54(x),

THEN Perform the following Steps:

_____ 1.16.1 Document decision and actions taken in the affected unit's log.

_____ 1.16.2 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.

_____ 1.16.3 Direct the CR NRC Communicator to report decision and actions taken to the NRC.

_____ 1.17 Ensure Site Assembly has been considered, is in progress, or complete. Refer to RP/0/A/1000/009 (Procedure for Site Assembly).

Enclosure 4.4

SM Emergency Coordinator Turnover Sheet

RP/0/A/1000/002

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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/A/1000/002 (Control Room Emergency Coordinator)	✓		
RP/0/A/1000/009 (Site Assembly)			
RP/0/A/1000/010 (Emergency Evacuation/Relocation of Site Personnel)			
RP/0/A/1000/016 (MERT Activation for Medical, Confined Space and High Angle Rescue Emergency)			
RP/0/A/1000/017 (Spill Response)			
RP/0/A/1000/022 (Major Site Damage Assessment and Repair)			
RP/0/A/1000/029 (Fire Brigade Response - OSC)			
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 _____ SM _____ Time of Turnover _____

Enclosure 4.5
Emergency Classification Termination
Criteria

RP/0/A/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}
 - _____ 12. The Regulatory Compliance Section has evaluated plant status with respect to Technical Specifications and recommends Emergency classification termination.
 - _____ 13. Emergency terminated. Request the Control Room Offsite Communicator to complete an Emergency Notification Form for a Termination Message using guidance in RP/0/A/1000/015A (Offsite Communications From The Control Room) and provide information to offsite agencies.
- _____ **GO TO** Step 3.1.

Date/Time Initial

Enclosure 4.6
Radiation Monitoring

RP/0/A/1000/002
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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	≥ 150 mRad/Hr	4.3
RIA-8	≥ 4200 mRad/Hr	4.3
RIA-10	≥ 830 mRad/Hr	4.3
RIA-11	≥ 210 mRad/Hr	4.3
RIA-12	≥ 800 mRad/Hr	4.3
RIA-13	≥ 650 mRad/Hr	4.3
RIA-15	≥ 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	≥ 1.0 R/Hr	4.1
2RIA-57	≥ 1.6 R/Hr	4.1
1,2,3RIA-58	≥ 1.0 R/Hr	4.1
RIA-57/58	\geq RP/0/A/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	≥ 500 mrem CDE Adult Thyroid on one hour of inhalation	4.3
Field Monitoring Indications	≥ 100 mRad/Hr at Site Boundary expected to continue for $> one$ hour	4.3
Control Room, CAS, or Radwaste CR Radiation Levels	Valid Reading ≥ 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/A/1000/002
Page 1 of 1

IF AT ANY TIME:

Immediate Actions

- (2.5) changing plant conditions require an emergency classification upgrade...
- (2.10) The Hydro Group notified the Control Room that Condition A, Imminent or Actual Dam Failure (Keowee or Jocassee) or Condition B at Keowee exists...
- (2.15) abnormal radiation levels or releases are occurring or have occurred...
- (2.17) site assembly needs to be initiated...

Subsequent Actions

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

Enclosure 4.3 (Emergency Coordinator 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 SM 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) major 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...
- (1.16) plant conditions require a decision to implement 10CFR50.54(x)...

Enclosure 4.8
Event Prognosis Definitions

RP/0/A/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

Enclosure 4.10
Activation of the Emergency Response
Organization

RP/0/A/1000/002

Page 1 of 4

1. Instructions

_____ 1.1 Obtain the notification code(s) from the SM and record below:

Notification Code: _____

_____ 1.2 **IF** a security event is **NOT** in progress **AND** security can be reached at 6002, perform the following:

_____ 1.2.1 Notify Security at extension 6002 to activate ERO.

_____ 1.2.2 Provide Security with the notification code(s) recorded in Step 1.1.

_____ 1.2.3 Inform the Emergency Coordinator that Security has been notified to activate the TSC and OSC.

_____ 1.2.4 Exit this Enclosure.

NOTE: Only one person can be signed onto EverBridge at a time. If a second person logs onto EverBridge, the first person will be logged off.

_____ 1.3 **IF** a security event is in progress **OR** security **CANNOT** be reached at extension 6002, perform the following to activate the ERO:

1.3.1 **IF AT ANY TIME** the following steps **CANNOT** be accomplished, **GO TO** step 1.4.

NOTE: Login and Password can be obtained from the Password Card in the Control Room.

1.3.2 Obtain the Login Username and Password for EverBridge.

NOTE: Everbridge can be accessed by selecting either the EverBridge icon on the desktop, selecting ERONS from the DAE, or entering "manager.everbridge.net" without the quotations into the Internet Explorer address bar.

1.3.3 From a Duke Energy computer, open the EverBridge application.

1.3.4 On the Everbridge login page, enter the username (**NOT** case sensitive) and password (case sensitive) obtained in step 1.3.2 into the corresponding fields.

1.3.5 Click the "Sign-In" button.

Enclosure 4.10
Activation of the Emergency Response
Organization

RP/0/A/1000/002

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- 1.3.6 Select "Proceed" on the "Welcome" screen in order to select the proper notification message.
- 1.3.7 Select the "Notification Templates" tab.
- 1.3.8 **IF AT ANY TIME** a message is sent in error **AND** the message must be retracted, repeat steps 1.3.9 - 1.3.14 with "C1" as the notification code.

NOTE: Steps 1.3.9 - 1.3.14 can be repeated for each code that is required to be sent.

- 1.3.9 Perform one of the following to locate the proper notification:
- A. Type the "notification code" identified in step 1.1 into the search box and select "ENTER."
 - B. Select "Title" to sort Notifications alpha-numerically.
- 1.3.10 **WHEN** the proper notification has been found, select the checkbox of the desired notification number.
- 1.3.11 Select "Send".
- 1.3.12 **WHEN** the box labeled "Include the notification as part of an event?" appears, select the radio button for "No, send as individual notifications."

NOTE: Completion of the following step will cause the ERO notification to be sent.

- 1.3.13 Select "Send".

NOTE: The second verification below is done by selecting 'Active/History' in the EverBridge application, (If a rotating timer icon appears, refresh the screen) and selecting the hyperlinked title of the notification (s) initiated.

- 1.3.14 **IF** either of the following **CANNOT** be verified, notify the Emergency Coordinator and **GO TO** step 1.4.
- ☐ An ERO notification call has been received in the Control Room
 - ☐ EverBridge has names listed under 'Contacts Name' heading in the appropriate archived history.
- 1.3.15 Inform the Emergency Coordinator that ERO has been activated per ERONS.

Enclosure 4.10
Activation of the Emergency Response
Organization

RP/0/A/1000/002

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1.4 **IF** step 1.3 could **NOT** be completed successfully, perform the following to use the EverBridge Live Operator method to activate ERO:

1.4.1 **IF AT ANY TIME** the following **CANNOT** be completed, **GO TO** step 1.5.

1.4.2 Contact the EverBridge Live Operator by calling one of the following:

- 9-1-877-220-4911
- 9-1-818-230-9797

1.4.3 Note date and time of call initiation:

_____/_____
Date / Time

NOTE: It may be prudent to ask for a repeat-back of the Notification code provided to the EverBridge Live Operator to ensure the proper notification is sent.

1.4.4 Provide the following information to the EverBridge Live Operator when prompted:

Information Requested	Response
EverBridge Organization Name	"Oconee Nuclear Station"
username	"ONSactivation"
city or town of your birth	"Charlotte"
How may the Everbridge Operator help?	"I want to send a priority notification using a Mass Notification Template."
Notification Title	Provide Live Operator with <u>only</u> the code(s) of the notification to be sent. This can be obtained from step 1.1.
Is the broadcast ID desired?	"YES." Record the Broadcast ID: _____

1.4.5 Terminate phone call and record date and time of call completion:

1.4.6 **IF** ERO notification call has **NOT** been received in the Control Room, perform the following:

- A. Notify the Emergency Coordinator
- B. **GO TO** to step 1.5.

**Activation of the Emergency Response
Organization**

1.4.7 Inform the Emergency Coordinator that ERO has been activated per ERONS.

_____ 1.5 **IF** ERO activation using ERONS is **NOT** successful, perform the following:

_____ 1.5.1 Notify Security to activate ERO using the Nuclear Callout System.

_____ 1.5.2 Notify the SM that ERO activation using ERONS was unsuccessful and Security has been notified to use Nuclear Callout System.

1. General ERONs Notification Codes:

<u>ACTIVATION ERROR</u>		
Notification Code	Title	Description
C1	CANCEL ACTIVATION	To retract any ERONs message sent in error. This notifies the entire ERO.

2. Emergency ERONs Notification Codes:

<u>Notification of Unusual Event (NOUE) - E1</u>		
Notification Code	Title	Description
E1a	ONS Emergency - ERO Activation - NOUE	Activates the TSC, OSC, and EOF.
E1f	ONS Emergency - Security Event - NOUE	Security event in progress. Activate the EOF only. TSC and OSC personnel assemble off-site.
E1g	ONS Emergency - Security Event - Post Attack - NOUE	Security event under control. Activate the TSC and OSC.
E1h	ONS Emergency - Bridges - NOUE	Bridges may be affected. Activate the TSC, OSC, and EOF.
E1i	ONS Emergency - TSC/OSC not available - NOUE	TSC/OSC is NOT available. Activate the Backup TSC/OSC.

<u>ALERT - E2</u>		
Notification Code	Title	Description
E2a	ONS Emergency - ERO Activation - ALERT	Activates the TSC, OSC, and EOF.
E2f	ONS Emergency - Security Event - ALERT	Security event in progress. Activate the EOF only. TSC and OSC personnel assemble off-site.
E2g	ONS Emergency - Security Event - Post Attack - ALERT	Security event under control. Activate the TSC and OSC.
E2h	ONS Emergency - Bridges - ALERT	Bridges may be affected. Activate the TSC, OSC, and EOF.
E2i	ONS Emergency - TSC/OSC not available - ALERT	TSC/OSC is NOT available. Activate the Backup TSC/OSC.

ERONS Notification Codes and Titles

<u>Site Area Emergency (SAE) - E3</u>		
Notification Code	Title	Description
E3a	ONS Emergency - ERO Activation - SAE	Activates the TSC, OSC, and EOF.
E3f	ONS Emergency - Security Event - SAE	Security event in progress. Activate the EOF only. TSC and OSC personnel assemble off-site.
E3g	ONS Emergency - Security Event - Post Attack - SAE	Security event under control. Activate the TSC and OSC.
E3h	ONS Emergency - Bridges - SAE	Bridges may be affected. Activate the TSC, OSC, and EOF.
E3i	ONS Emergency - TSC/OSC not available - SAE	TSC/OSC is <u>NOT</u> available. Activate the Backup TSC/OSC.

<u>General Emergency (GE) - E4</u>		
Notification Code	Title	Description
E4a	ONS Emergency - ERO Activation - GE	Activates the TSC, OSC, and EOF.
E4f	ONS Emergency - Security Event - GE	Security event in progress. Activate the EOF only. TSC and OSC personnel assemble off-site.
E4g	ONS Emergency - Security Event - Post Attack - GE	Security event under control. Activate the TSC and OSC.
E4h	ONS Emergency - Bridges - GE	Bridges may be affected. Activate the TSC, OSC, and EOF.
E4i	ONS Emergency - TSC/OSC unavailable - GE	TSC/OSC is <u>NOT</u> available. Activate the Backup TSC/OSC.

<u>EVENT TERMINATION - E6</u>		
Notification Code	Title	Description
E6a	ONS Emergency - Event Termination	Conditions have improved. the Emergency Response Organization may stand-down. <u>NO</u> further response required.

<u>DISCRETIONARY FACILITY ACTIVATION - F1</u>		
Notification Code	Title	Description
F1a	ONS Facility Activation	Activate the TSC and OSC as a precautionary measure when no EAL applies.

ERONS Notification Codes and Titles

3. Drill ERONs Notifications:

<u>Notification of Unusual Event (NOUE) DRILL - D1</u>		
Notification Code	Title	Description
D1a	ONS Drill - ERO Activation- NOUE	Activates the TSC, OSC, and EOF.
D1f	ONS Drill - Security Event - NOUE	Security event in progress. Activate the EOF only. TSC and OSC personnel assemble off-site.
D1g	ONS Drill - Security Event - Post Attack - NOUE	Security event under control. Activate the TSC and OSC.
D1h	ONS Drill - Bridges - NOUE	Bridges may be affected. Activate the TSC, OSC, and EOF.
D1i	ONS Drill - TSC/OSC unavailable - NOUE	Oconee TSC/OSC is <u>NOT</u> available. Use the ONS Backup TSC/OSC.

<u>ALERT DRILL - D2</u>		
Notification Code	Title	Description
D2a	ONS Drill - ERO Activation- ALERT	Activates the TSC, OSC, and EOF.
D2f	ONS Drill - Security Event - ALERT	Security event in progress. Activate the EOF only. TSC and OSC personnel assemble off-site.
D2g	ONS Drill - Security Event - Post Attack - ALERT	Security event under control. Activate the TSC and OSC.
D2h	ONS Drill - Bridges - ALERT	Bridges may be affected. Activate the TSC, OSC, and EOF.
D2i	ONS Drill - TSC/OSC unavailable - ALERT	Oconee TSC/OSC is <u>NOT</u> available. Use the ONS Backup TSC/OSC.

<u>Site Area Emergency (SAE) DRILL - D3</u>		
Notification Code	Title	Description
D3a	ONS Drill - ERO Activation- SAE	Activates the TSC, OSC, and EOF.
D3f	ONS Drill - Security Event - SAE	Security event in progress. Activate the EOF only. TSC and OSC personnel assemble off-site.
D3g	ONS Drill - Security Event - Post Attack - SAE	Security event terminated. Activate the TSC and OSC.
D3h	ONS Drill - Bridges - SAE	Bridges may be affected. Activate the TSC, OSC, and EOF.
D3i	ONS Drill - TSC/OSC unavailable - SAE	Oconee TSC/OSC is <u>NOT</u> available. Use the ONS Backup TSC/OSC.

ERONS Notification Codes and Titles

<u>General Emergency (GE) DRILL - D4</u>		
Notification Code	Title	Description
D4a	ONS Drill - ERO Activation- GE	Activates the TSC, OSC, and EOF.
D4f	ONS Drill - Security Event - GE	Security event in progress. Activate the EOF only. TSC and OSC personnel assemble off-site.
D4g	ONS Drill - Security Event - Post Attack - GE	Security event under control. Activate the TSC and OSC.
D4h	ONS Drill - Bridges - GE	Bridges may be affected. Activate the TSC, OSC, and EOF.
D4i	ONS Drill - TSC/OSC unavailable - GE	Oconee TSC/OSC is <u>NOT</u> available. Use the ONS Backup TSC/OSC.

<u>STAFF AUGMENTATION DRILL- D6</u>		
Notification Code	Title	Description
D6a	ONS Augmentation Drill - TSC & OSC Only	Activate the TSC and OSC.
D6b	ONS Augmentation Drill - All Facilities	Activates the TSC, OSC and EOF.

<u>EVENT TERMINATION - D7</u>		
Notification Code	Title	Description
D7a	ONS Drill Termination	Conditions have improved. the Emergency Response Organization may stand-down. <u>NO</u> further response required.

Revision/Change Package Fill-In Form


Rev. 04/23/2012

The purpose of this fill-in form is to provide a location to type in information you want to appear on the various forms needed for Major/Minor Procedure Revisions, and Major/Minor Procedure Changes. After you type in information on this form, it will be electronically transferred to the appropriate locations in the attached forms when you perform Step 3 below.

Step 1- press [F12] (Save As) then save this form using standard file name convention in appropriate LAN storage location.

Step 2- type in basic information in the blanks below:

Note: place cursor in center of brackets before typing.

1. ID No.: RP/0/A/1000/002
2. Revision No.: 007
3. Change No.: **Note:** if this package is for a change, replace hyphen with a letter.
4. Procedure Title: Control Room Emergency Coordinator Procedure
5. For changes only, enter procedure sections affected:
6. Prepared By: Natalie Harness 
7. Preparation Date: 11/20/2014
8. PCR Numbers Included in Revision: ONS-2014-5917

Step 3- go to Print Preview to update this information in all the attached documents.

Step 4- page down to affected pages and enter any additional information needed.

Step 5- when all information is entered, print package and review for correctness.

Duke Energy
PROCEDURE PROCESS RECORD

(1) ID No. RP/0/A/1000/002Revision No. 007

Page 2 of 5

PREPARATION(2) Station OCONEE NUCLEAR STATION(3) Procedure Title Control Room Emergency Coordinator Procedure(4) Prepared By* Natalie Harness (Signature) Natalie Harness Date 11/20/2014

(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* Dwaine A. Caw (QR)(KI) Date 11-20-14Cross-Disciplinary Review By* _____ (QR)(KI) NA NA Date 11-20-14Reactivity Mgmt Review By* _____ (QR) NA NA Date 11-20-14Mgmt Involvement Review By* _____ (Ops. Supt.) NA NA Date 11-20-14

(7) Additional Reviews

Reviewed By* _____ Date _____

Reviewed By* _____ Date _____

(8) Approved By* PATRICK M STREET (Signature) [Signature] Date 12/4/14**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)

Procedure Title: Control Room Emergency Coordinator Procedure

SUMMARY OF CHANGES: (DESCRIPTION AND REASON)

General Changes

Revision 007 of RP/0/A/1000/002 consists of the following changes:

- Many editorial changes made correcting grammatical and other editorial issues.
- Changed "Alternate" to "Backup Emergency Facility (ERF)" per NEI 13-01.

PCR Numbers Incorporated

ONS-2014-5917

Enclosure

Attachment to 50.54q				
RP/0/A/1000/002, Rev 007, Control Room Emergency Coordinator Procedure				
#	Page /Section	Current	Proposed Change	Reason
1.	Page 2 of 10 Note section Bullet 2	2. Forwarded to Emergency Planning within seven (7) working days of approval.	2. Forwarded to Emergency Preparedness within seven (7) working days of approval.	Editorial: Changed Planning to Preparedness
2.	Page 6 of 10 2.6.12 Bullet A	Evacuate: Move residents living downstream of the Keowee Hydro Project dams to higher ground	Evacuate: Move residents living downstream of the Keowee Hydro Project dams to higher ground.	Editorial: period at the end of the sentence
3.	Page 6 of 10 2.10 AND	National Weather Service 864-879-1085 or 800-268-7785.	National Weather Service 864-879-1085 or 800-268-7785	Editorial: remove period
4.	Page 7 of 10 Note 2	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.	Activate the TSC and/or OSC Backup Emergency Response Facility (ERF) 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.	Editorial: Changed "Alternate" to Backup Emergency Response Facility (ERF) per NEI 13-01
5.	Page 9 of 10 3.1.2	Notify Emergency Planning Section (Emergency Planning Duty person after hours) of the following:	Notify Emergency Preparedness (Emergency Planning Duty person after hours) of the following:	Editorial: Changed Planning to Preparedness and removed "Section"
6.	Page 9 of 10 Note 2	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.	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 (Alternate Facility) during Security events.	Editorial: removed "Old Clemson EOF" and replaced with "Alternate Facility"
7.	Enclosure 4.1 Page 1 of 1 Drill Message	Activate the alternate TSC/OSC	Activate the backup TSC/OSC	Editorial: Changed alternate to backup
8.	Enclosure 4.1 Page 1 of 1 Emergency Message	Activate the alternate TSC/OSC	Activate the backup TSC/OSC	Editorial: Changed alternate to backup
9.	Enclosure 4.2 Page 1 of 3 1.1.1	...protective action recommendations...	...Protective Action Recommendations...	Editorial: capitalized
10.	Enclosure 4.2 Page 1 of 3 1.2	National Weather Service 864-879-1085 or 800-268-7785.	National Weather Service 864-879-1085 or 800-268-7785	Editorial: remove period
11.	Enclosure 4.2 Page 1 of 3 2.1.1	REFER TO Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification.	REFER TO Page 5 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification.	Editorial: change Section 6 to Page 5
12.	Enclosure 4.2 Page 2 of 3 2.2.A	REFER TO Section 6 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification.	REFER TO Page 5 of the Emergency Telephone Directory, Keowee Hydro Project Dam/Dike Notification.	Editorial: change Section 6 to Page 5

#	Page /Section	Current	Proposed Change	Reason
13.	Enclosure 4.3 Page 1 of 4 1.3	Direct the CR 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").	Direct the CR NRC Communicator to complete the OMP 1-14 NRC Event Notification Worksheet and Plant Status Sheet.	Editorial: remove incorrect reference (located on OPS Web page under "Forms and Reports").
14.	Enclosure 4.3 Page 3 of 4 Note 1	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). ...	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). ...	Editorial: removed the comma
15.	Enclosure 4.3 Page 3 of 4 Note 2	...Control Room to prevent smoke, toxic gases, or radioactivity from entering the area as required by NUREG 0737.	...Control Room to prevent smoke, toxic gases, or radioactivity from entering the area as required by NUREG-0737.	Editorial: added a hyphen between NUREG-0737
16.	Enclosure 4.3 Page 4 of 4 Note 1	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. (Anyone more senior than the SRO may approve.) Implementation of Oconee Severe Accident Guidelines (OSAG) requires the use of 10CFR50.54 (x) and (y) provisions.	<ul style="list-style-type: none"> • 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. (Anyone more senior than the SRO may approve.) Implementation of Oconee Severe Accident Guidelines (OSAG) requires the use of • 10CFR50.54 (x) and (y) provisions. 	Editorial: bullet items
17.	Enclosure 4.4 Page 1 of 1 table of procedures	RP/0/A/1000/002 (Control Room Emergency Coordinator) □ RP/0/A/1000/016 (MERT Activation for Medical, Confined Space and High Angle Rescue Emergency) RP/0/A/1000/017 (Spill Response) RP/0/A/1000/022 (Major Site Damage Assessment and Repair) RP/0/A/1000/029 (Fire Brigade Response - OSC) RP/0/A/1000/009 (Site Assembly) RP/0/A/1000/010 (Emergency Evacuation/Relocation of Site Personnel)	RP/0/A/1000/002 (Control Room Emergency Coordinator) □ RP/0/A/1000/009 (Site Assembly) RP/0/A/1000/010 (Emergency Evacuation/Relocation of Site Personnel) RP/0/A/1000/016 (MERT Activation for Medical, Confined Space and High Angle Rescue Emergency) RP/0/A/1000/017 (Spill Response) RP/0/A/1000/022 (Major Site Damage Assessment and Repair) RP/0/A/1000/029 (Fire Brigade Response - OSC)	Editorial: place in sequential order: place RP/0/A/1000/009 & 010 under RP/0/A/1000/002

#	Page /Section	Current	Proposed Change	Reason
18.	Enclosure 4.4 Page 1 of 1 THEN	(Needed only if after hours, holidays, or weekends)	(Needed only if after hours, holidays, or weekends)	Editorial: add end parenthesis to sentence
19.	Enclosure 4.5 Page 1 of 1 THEN 11	REFER TO Section 6 of the Emergency Telephone Directory (Keowee Hydro Project Dam/Dike Notification).	REFER TO Page 5 of the Emergency Telephone Directory (Keowee Hydro Project Dam/Dike Notification).	Editorial: change Section 6 to Page 5
20.	Enclosure 4.11 Page 1 of 4 E1i	TSC/OSC is NOT available. Activate the alternate TSC/OSC.	TSC/OSC is NOT available. Activate the backup TSC/OSC.	Editorial: changed alternate to backup
21.	Enclosure 4.11 Page 1 of 4 E2i	TSC/OSC is NOT available. Activate the alternate TSC/OSC.	TSC/OSC is NOT available. Activate the backup TSC/OSC.	Editorial: changed alternate to backup
22.	Enclosure 4.11 Page 2 of 4 E3i	TSC/OSC is NOT available. Activate the alternate TSC/OSC.	TSC/OSC is NOT available. Activate the backup TSC/OSC.	Editorial: changed alternate to backup
23.	Enclosure 4.11 Page 2 of 4 E4i	TSC/OSC is NOT available. Activate the alternate TSC/OSC.	TSC/OSC is NOT available. Activate the backup TSC/OSC.	Editorial: changed alternate to backup
24.	Enclosure 4.11 Page 3 of 4 D1i	TSC/OSC is NOT available. Activate the alternate TSC/OSC.	TSC/OSC is NOT available. Activate the backup TSC/OSC.	Editorial: changed alternate to backup
25.	Enclosure 4.11 Page 3 of 4 D2i	TSC/OSC is NOT available. Activate the alternate TSC/OSC.	TSC/OSC is NOT available. Activate the backup TSC/OSC.	Editorial: changed alternate to backup
26.	Enclosure 4.11 Page 3 of 4 D3i	TSC/OSC is NOT available. Activate the alternate TSC/OSC.	TSC/OSC is NOT available. Activate the backup TSC/OSC.	Editorial: changed alternate to backup
27.	Enclosure 4.11 Page 4 of 4 D4i	TSC/OSC is NOT available. Activate the alternate TSC/OSC.	TSC/OSC is NOT available. Activate the backup TSC/OSC.	Editorial: changed alternate to backup

Duke Energy
PROCEDURE CHANGE PROCESS RECORD

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

Revision No. 007 Change No. _____
Permanent/Restricted to _____

(2) Station: OCONEE NUCLEAR STATION

(3) Procedure Title: Control Room Emergency Coordinator Procedure

(4) Section(s) of Procedure Affected: Pages 2-10, Enclosures 4.1, 4.2, 4.3, 4.4, 4.5, & 4.11

(5) Requires NSD 228 Applicability Determination?

☐ Yes (Procedure change with major changes) - Attach NSD 228 documentation.

☒ No (Procedure change with minor changes)

(6) Description of Change: *(Attach additional pages, if necessary.)*

Revision 007 of RP/0/A/1000/002 consists of the following changes:

- Many editorial changes made correcting grammatical and other editorial issues.
- Changed "Alternate" to "Backup Emergency Facility (ERF)" per NEI 13-01.

(7) Reason for Change:

Enhance oversight and clarity of procedure.

(8) Prepared By* Natalie Harness (Signature) Natalie Harness Date 11/20/2014

(9) Reviewed By* Danisco A. Crawl (QR)(KI) Date 11-20-14

Cross-Disciplinary Review By* _____ (QR)(KI) NA ste Date 11-20-14

Reactivity Mgmt. Review By* _____ (QR) NA ste Date 11-20-14

Mgmt. Involvement Review By* _____ (Ops. Supt.) NA ste Date 11-20-14

(10) Additional Reviews

Reviewed By* _____ Date _____

Reviewed By* _____ Date _____

(11) Approved By* Paricia M Street Paricia M Street Date 12/4/14

* Printed Name and Signature

§50.54(q) Screening Evaluation Form**Activity Description and References:** RP/0/A/1000/002, Control Room Emergency Coordinator Procedure, Rev 007**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**☒ 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**☐ The proposed activity does not impact a Planning Standard**Commitment Impact Determination:*BLOCK 6**

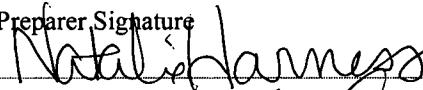
- ☐ The activity does involve a site specific EP commitment
☐ The activity does not involve a site specific EP commitment

Results:**BLOCK 7**

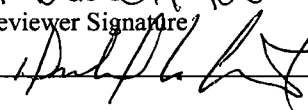
- ☒ The activity can be implemented without performing a §50.54(q) effectiveness evaluation
☐ The activity cannot be implemented without performing a §50.54(q) effectiveness evaluation

Preparer Name:
Natalie Harness

Preparer Signature

Date:
11/20/14Reviewer Name:
Don Crowl

Reviewer Signature



Date:

11/20/14